




MINUTES
of
11th ACADEMIC COUNCIL MEETING

Date: July 21, 2018 Saturday 10:00 AM.



Venue: Hadrian Hall


Dr. Jose John
Principal in Charge
Sacred Heart College (Autonomous)
Thevara, Kochi-682 013

SACRED HEART COLLEGE - AUTONOMOUS	
MEETING OF THE ACADEMIC COUNCIL - July 21, 2018 Saturday 10 00 am.	
Venue: Hadrian Hall	
Agenda	
Item No	SUBJECT
	Remarks by the Chairman
1	Minutes of the meeting of Academic Council held on 24.10.2017 & discussion on items arising out of the minutes.
2	Curriculum Revision and Development, UG, Programmes
2.1	Note of the Board of Studies in Botany
2.2	Note of the Board of Studies in Chemistry
2.3	Note of the Board of Studies in Commerce
2.4	Note of the Board of Studies in Communication
2.5	Note of the Board of Studies in Computer Science
2.6	Note of the Board of Studies in Economics
2.7	Note of the Board of Studies in English
2.8	Note of the Board of Studies in French
2.9	Note of the Board of Studies in Hindi
2.10	Note of the Board of Studies in Malayalam
2.11	Note of the Board of Studies in Mathematics
2.12	Note of the Board of Studies in Physics
2.13	Note of the Board of studies in Sanskrit
2.14	Note of the Board of Studies in Sociology
2.15	Note of the Board of Studies in Statistics
2.16	Note of the Board of Studies in Zoology
3	Grading Pattern of under graduate programmes of 2016 admissions
4	Approval of Experts in various Board of Studies
5	Other matters, if any, with the consent of the Chair

The meeting chaired by Principal, Fr. Johnson X Palackappillil, started at 10 a.m. After the introductory remarks of the chairman, the council considered the following items of the agenda.

Agenda Item No:1

Approval of minutes of the 10th AC meeting (already circulated)

Decision: AC Approved the Minutes

Agenda Item No:2

Curriculum Development (UG Curriculum Revision) and Regulations

The various Boards of Studies revised their UG syllabus as per the guidelines issued by the IQAC and as per feedback analysis conducted by it.

The "REGULATIONS FOR THE CREDIT AND SEMESTER SYSTEM 2019" was presented and the academic council approved it with the following modifications.

1. For UG programmes, the minimum percentage of marks for a pass for a course shall be 35.
2. For UG programmes, grade 'D' shall be awarded if the percentage of marks is '35 to below 45' instead of '40 to below 45' and 'F' if it is less than 35.
3. Also, for UG, grade 'D' shall be awarded if the SGPA/CGPA is equal to '3.5 and below 4.5' instead of '4.0 and below 4.5' and 'F' if it is less than 3.5

However, M G University representatives in the AC Pointed out that the internal- external ratio in the M G University is 1:4 and also the University follows direct grading for PG programmes.

Agenda Item 2.1

Note of the Board of Studies in Botany - Presentation by the Chairman, Board of Studies in Botany, S H College, Thevara, Kochi, (Autonomous)

The Board of Studies in Botany met on 13th June 2018 made detailed evaluation of UG Syllabus and Curriculum and discussed possibilities and challenges of revising the same in light of completion of three years after the revision of B.Sc. syllabus. The BoS compared and discussed over the revised syllabus of MG University (effective from 2017 admissions) with that of the B.Sc. Botany, S H college (Autonomous), Thevara (effective from 2015 admissions). BoS is of the suggestion that the existing

syllabus of B.Sc. Botany Programme should be revised with effect from 2019 admissions onwards and approved various suggestions and new modifications on the existing syllabus:

1. Shift the topic Microtechnique from Semester VI (Course 10, 15U6CRBOT10) to Semester IV (Core Course 4, 19U4CRBOT4).
2. Include a field visit to any one of the ecosystems rich in Algae to experience algal diversity and to submit a report of the visit with photographs (Core Course 1, Phycology).
3. Include practical on Algal Culturing: isolation and cultivation of microalgae and macroalgae using suitable growth media [Demonstration only] (Core Course 1, Phycology).
4. Limit the number of credits for the B.Sc. Programme to 120. (Additional core course on Environmental Studies is included as a 4 credit course in the Vth Semester 19U5CRBOT6).
5. Raise the credits for Project cum Hands on Training from existing 1 (one) credit to 2 (two) credits.

B.Sc. (Botany) Programme (2019 Admission onwards) – Model I - Detailed Distribution of Courses

Semester	CODE	NAME OF CORE COURSE	Hours/Week	Credit	Total CR EDITS	Total Hours / Semester	ESE	Wt.	
								Ext.	Int.
1	19U1CRBOT1	Microbiology and Phycology	2	2	3	72	3hrs	1	3
		*PRACTICAL 1	2	1					
2	19U2CRBOT2	Mycology, Lichenology and	2	2	3	72	3	1	3
		Plant Pathology +	2	1					
		*PRACTICAL 2							
3	19U3CRBOT3	Bryophytes, Pteridophytes,	3	3	4	90	3	1	3
		Gymnosperms and	2	1					
		Paleobotany							

		PRACTICAL 3							
4	19U4CRBOT4	Anatomy, Microtechnique	3	3				1	3
		and Angiosperm	2	1	4	90	3		
		Morphology PRACTICAL 4							
5	19U5CRBOT5	Angiosperm Systematics,	2	2					
		Floral Morphology and	4	2	4	108	3	1	3
		Economic Botany + PRACTICAL 5							
	19U5CRBOT6	Environmental Science and	3	3	4	90	3	1	3
		Ecotourism +*PRACTICAL 6	2	1					
	19U5CRBOT7	Genetics and Plant Breeding	3	3	4		3	1	3
		PRACTICAL 7	2	1		90			
	19U5CRBOT8	Cell and Molecular Biology	3	3					
		and Evolution +*PRACTICAL 8	2	1	4	90	3	1	3
		OPEN COURSE: Agri Based Micro Enterprises/ Horticulture and Nursery Management/ Biotechnology Bioinformatics	4	3	3	72	3	1	3
	19U6CRBOT9	Plant Physiology and	3	2	4	126			
		Biochemistry +*PRACTICAL 9	4	2			3	1	3
	19U6CRBOT10	Perspectives of Science,	3	3					
		Methodology and General Informatics +*PRACTICAL 10	2	1	4	90	3	1	3

6	19U6CRBOT11	Biotechnology and	3	3					
		Bioinformatics +*PRACTICAL	2	1	4	90	3	1	3
		11							
	19U6CRBOT12	Horticulture, Nursery	3	3					
		Management, Embryology	2	1	4	90	3		3
		and Reproductive Biology PRACTICAL 12							
	15U6CRBOT13	*CORE- Choice Based Course:							
		- Phytochemistry and	3	3		54	3	1	3
		Pharmacognosy/ Plant			3				
		Genetic Resource							
		Management/ Agribusiness							
		Hands on Training/ Research		2	2			1	3
		Project							

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.2

Note of the Board of Studies in Chemistry-Presentation by the Chairman /Convener, Board of Studies in Chemistry, S H College, Thevara, Kochi, (Autonomous)

BoS CHEMISTRY-OBJECTIVES OF THE PROGRAMME - B.SC. CHEMISTRY

The Board of Studies in Chemistry, Sacred Heart College feels that curriculum, course content and assessment of scholastic achievement of students play complementary roles in shaping higher education in India. The Board is of the view that evaluation tools should support and encourage the broad instructional goals such as basic knowledge of the discipline of Chemistry including theories and techniques, concepts and general principles. This should also support the

ability to ask physical questions and to obtain solutions to physical queries by use of qualitative and quantitative reasoning and by experimental investigation. The important student attributes including keen observation, curiosity, creativity and reasoned skepticism and understanding links of Chemistry to other disciplines and to societal issues should be given encouragement. With this in mind, we aim to provide a firm foundation in every aspect of Chemistry and to explain a broad spectrum of modern trends in chemistry and to develop experimental, computational and mathematics skills of students. The curriculum is framed in such a way that it bridges the gap between the plus two and post graduate programme contents of Chemistry by providing a complete and logical framework in almost all branches of Chemistry. The programme also aims to develop the following abilities:

1. Read, understand and interpret chemical information.
2. Impart skills required to gather information from resources and use them for problem solving.
3. To give need-based training in chemistry of adequate quality at the undergraduate level.
4. Offer few courses as per the choice of the students.
5. Perform experiments and interpret the results of observation.
6. Provide an intellectually stimulating environment to develop skills and enthusiasm of students.
7. Use Information Communication Technology to gather knowledge of current developments in Chemistry.
8. To give an education on the environmental impacts due to the development of Science and technology.
9. To acquire skills essential for handling equipment and instruments in chemical laboratories.
10. To enhance employability and an aptitude for entrepreneurship.

Detailed Scheme of Instruction of Core Course-Chemistry UG Programme (Revised with effect from 2019 Batch)

Sl.No	Course code	Title of the course	Exam duration hrs	Credit/Course	Marks		Total contact hours	Contact hours/week	Remarks
					External	Internal			
1.Semester I	18J1CROHE01	Theory-Theoretical and Inorganic Chemistry-I	3	2	60	20	36	2	
		Practical-1 Volumetric Analysis	No Exam	-	-	-	36	2	Evaluation at the end of Semester I
2.Semester II	18J2CROHE02	Theory-Theoretical and Inorganic Chemistry-II	3	2	60	20	36	2	
	18J2PROHE1	Practical-1 Volumetric Analysis	3	2	30	10	36	2	
3.Semester III	18J6CROHE03	Theory-Organic Chemistry-I	3	3	60	20	54	3	
		Practical-2 Organic Chemistry Practical-I	No Exam	-	-	-	36	2	Evaluation at the end of Semester IV
4.Semester IV	18J4CROHE04	Theory-Organic Chemistry-II	3	3	60	20	54	3	
	18J4PROHE2	Practical-2 Organic Chemistry Practical-I	3	2	30	10	36	2	
5.Semester V	18J6CROHE01	Theory-Environmental Studies	3	4	75	25	72	4	
	18J6CROHE05	Theory-Organic Chemistry-II	3	3	60	20	54	4	
	18J6CROHE06	Theory-Physical Chemistry-I	3	3	60	20	36	3	
	18J6CROHE07	Theory-Physical Chemistry-I	3	2	60	20	54	3	
	18J6CROHE1	Theory-Open Course	3	3	75	25	72	4	
		Practical-3 Qualitative Inorganic Analysis	No Exam	-	-	-	36	2	Evaluation at the end of Semester VI
		Practical-4 Organic Chemistry Practical-II	No Exam	-	-	-	18	1	Evaluation at the end of Semester VI
		Practical-5 Gravimetric Analysis	No Exam	-	-	-	18	1	Evaluation at the end of Semester VI
		Practical-6 Physical Chemistry Practical	No Exam	-	-	-	36	2	Evaluation at the end of Semester VI
		Project/Dissertation	No Evaluation	-	-	-	36	2	Evaluation at the end of Semester VI
6.Semester VI	18J6CROHE08	Theory-Inorganic Chemistry-I	3	3	60	20	54	3	
	18J6CROHE9	Theory-Organic Chemistry-IV	3	3	60	20	54	3	
	18J6CROHE10	Theory-Physical Chemistry-II	3	3	60	20	54	3	
	18J6CROHE11	Theory-Physical Chemistry-IV	3	3	60	20	54	3	
	18J6CROHE1	Theory-Core Elective	3	3	60	20	54	3	
	18J6PROHE7	Project	-	2	75	25	-	-	
	18J6PROHE3	Practical-3 Qualitative Inorganic Analysis	3	2	30	10	36	2	
	18J6PROHE4	Practical-4 Organic Chemistry Practical-II	3	2	30	10	54	3	
	18J6PROHE5	Practical-5 Gravimetric Analysis	3	2	30	10	18	1	
	18J6PROHE6	Practical-6 Physical Chemistry Practical	3	2	30	10	36	2	
		Study tour	-	-	-	-	-	-	
		Total		54					

Detailed Scheme of Instruction of UG Complementary Course-Chemistry

(Revised with effect from 2019 Batch)

(For students who have opted Physical Sciences as Main)

Detailed Scheme of Instruction of UG Complementary Course-Chemistry (Revised with effect from 2019 Batch)

Sl. No	Course code	Title of the course	Exam duration - hrs	Credit/ Course	Marks		Total contact hours	Contact hours/week	Remarks
					External	Internal			
1. Semester I	19U1CPCHE1	Theory - General Chemistry	3	2	60	20	36	2	
		Practical - 1 Volumetric Analysis	No Exam	-	-	-	36	2	Evaluation at the end of Semester II
2. Semester II	19U2CPCHE2	Theory - Basic Organic Chemistry	3	2	60	20	36	2	
	19U2PCCHE1	Practical - 1 Volumetric Analysis	3	2	30	10	36	2	
3. Semester III	19U3CPCHE3.2	Heterocyclic and Bio-Inorganic Chemistry	3	3	60	20	54	3	
		Organic Chemistry Practicals	No Exam	-	-	-	36	2	Evaluation at the end of Semester IV
4. Semester IV	19U4CPCHE4.2	Advanced Bio-Organic Chemistry	3	3	60	20	54	3	
	19U4PCCHE2.2	Organic Chemistry Practicals	2	2	40	20	36	2	
		Total		14					

(For students who have opted Biological Sciences as Main)

Courses for Extra Credits.

Course Period	Course Code	Title of the course	Exam duration	Course Credit	Marks	Total Contact Hours	Contact hours / week	Remarks
During Semester 1- 4	UGSWCH1	*Social work	**	1	**	20	4 days in semester-1or 2	This is mandatory
During semester 1-4	UGEXCRE	@Extra Credit Course-Club activities	@@	1	-	36		Extra credit courses are desirable
During the vacation period of Semester2 or4	UGIPCH2	# Summer Internship Programme	##	1	100		Minimum One month	Not mandatory
During semester 5-6	UGCHEVL	Virtual Lab	***	1	50	20	5 days in semester-1or 2	

*This is an extra credit course and the student will get additional certificate and credits after semester-2.

** No evaluation, but a report which is duly signed by the teacher in charge of the respective club should be submitted at the beginning of 5th semester.

@ This includes various Club Activities.

@@ A report which is duly signed by the teacher in charge of the respective club should be submitted at the beginning of 5th semester.

During the vacation after the second /fourth semester, students can do the Internship programme. Students can do their internship in a research centre or in the chemical Industry. If the work is related to the subject, (from the research centre) the same can be treated as his/her project, also get additional credit 2.

A report of the work attested by the Head of the Institution/Lab should be submitted at the beginning of 5th semester.

*** Evaluation at the completion of the course. A report which is attested by the teacher in charge should be submitted at the end of the course.

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.3

Note of the Board of Studies in Commerce – Presentation by the Chairman Board of Studies in Commerce, S H College, Thevara, Kochi, (Autonomous)

BoS in Commerce at its meeting held took the following decisions subject to the approval of the Academic Council for updating and enriching the present B. Com Syllabus:

1. The meeting resolved to modify the existing syllabus of the course 'Marketing Management' in the third semester of UG Programme by incorporating topics on niche marketing, micro marketing, product standardization, grading, relationship marketing, social marketing, online marketing, green marketing, telemarketing, viral marketing, de-marketing, remarketing, guerilla marketing and ambush marketing. The modified syllabus will be effective from 2019 - 2020 admissions.
2. The meeting also resolved to replace VAT with GST (GST – GST terminologies– Types of GST – computing GST– ledgers and vouchers pertaining to GST – Ledger creation- creation of CGST, Input SGST & Input IGST ledgers in Tally- GST reports- GST forms) in the fourth

module of the subject 'Computerized Accounting', optional course for B. Com Computer Application in the fifth semester of UG Programme. The modified syllabus will be effective from 2019 – 2020.

3. The meeting resolved to include a brief study of 'Startup Mission Kerala' in the subject Entrepreneurship Development and Project Management in UG Semester IV.
4. It was also decided in the meeting to include a brief study of the concept of Net Neutrality, Block Chain, National Digital Communication Policy 2018 in the subject E – Commerce and General Informatics in UG Semester III.
5. To include an assignment of Industrial Visit and preparation of report for the course Marketing of Tourism in UG fourth semester and Hospitality Management in the sixth semester respectively.
6. It was decided to club Modern Banking and Principle of Insurance subjects in semester V as 'Banking and Insurance' in the same semester for facilitating the introduction of a new subject paper 'Environment Management' in the same semester, keeping the total credits of the entire B. Com UG programme to 120 credits.
7. It was also resolved to change IAS 11 to IFRS 15 (Standard relating to Contract) and IAS 7 to IFRS 16 (Standard relating to Lease) in the light of the changed scenario in the existing accounting standards. Moreover IAS 18 standard relating to revenue has been deleted because of its elimination from the standards by the authority concerned.

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.4

Note of the Board of Studies in Communication – Presentation by the Chairman, Board of Studies in Communication, S H College, Thevara, Kochi, (Autonomous)

Board of Studies of SH School of Communication at its meeting held on 20th July, 2018 took the following decisions:

1. To introduce the bachelor programme B A Mass Communication
2. To introduce an open course in Life Skills
3. To introduce a diploma course in Multimedia
4. To revise the syllabus of B.A Animation and Graphic Design

by Replacing the courses with recently approved University syllabus

Semester 01

1. Replace Art and Visual Perception I with History of Art and Design
2. Replace History of Animation I with Techniques of Photographic Composition

Semester 02

1. Replace History of Animation II with History of Animation
2. Replace Reproduction Techniques with English and Life Skills

Semester 03

1. Replace Art and Society with Typography
2. Replace Scripting and Storyboarding for Animation with Pre-production Techniques
3. Replace Motion Studies with Stop Motion Techniques
4. Replace 3D Animation-I with Basics of 3D Animation

Semester 04

1. Replace Typography with Motion Graphics

Semester 05

1. Replace Animation for web with Advanced 3D Animation
2. Replace Motion Graphics with Basic Compositing and Visual Effects

Semester 06

- 1 Internship to be procured according to the choice of students in Animation or Graphic Design
- 2 Choice Based final Project
 - A. Visual Effects Project
 - B. Advertising Design
 - C. UI/UX Design

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.5

Note of the Board of Studies in Computer Science – Presentation by the Chairman, Board of Studies in Computer Science, S H College, Thevara, Kochi, (Autonomous)

The BoS in Computer Science at its meeting held on 07-07-2018 took the following decisions

SEMESTER I

1. Replace the course 'Fundamentals of Digital System' with 'Digital Electronics and Microprocessor'.
2. Merge the existing course of 'Fundamentals of Digital System' of semester 1 and 'Microprocessor and Computer Organisation' of semester 2.
3. Design the 1st module of 'Fundamentals of Digital System' as a bridge course.
4. Replace the course 'Programming in C' with 'Programming Using Python'.

SEMESTER II

5. 1st module 'Basics of C' of existing course 'Programming in C' of semester 1 is added as 1st module in 'Data Structure Using C' of semester 2.
6. Replace the 5th module 'File Organization' of the course 'Data Structure Using C' with 'Introduction to Trees and Graphs'.

7. Switch over the course 'Operating System' from 6th semester to 2nd semester and remove the 5th module 'Linux'.

SEMESTER III

8. Replace the topic 'Congestion Control' with the basic concepts of 'Internet of Things (IoT)' in the course 'Data Communication and Computer Networks'.
9. No change in the course 'Object Oriented Programming in C++'.
10. Replace the course 'System Analysis and Design' with 'Software Engineering'.

SEMESTER IV

11. Merge the 1st and 2nd modules as 1st module of the course 'Advanced Web Technology' and add 'Javascript Programming' as 2nd module.
12. Add the basic concepts of 'Big Data Analysis and Hadoop' in the course 'Database Management System'.

SEMESTER V

13. Remove the topics JSP and Servlet from 'Java Programming and Dynamic Web Page' and add the topics Package, Interface, Exception Handling and Swing in detail. Change the title of the course 'Java Programming and Dynamic Web Page' to 'Java Programming'.
14. No change in open course 'Internet, Web Designing and Cyber Laws'.

SEMESTER VI

15. Introduce a new course 'Graphics'. It is a practical oriented course.
16. Replace the course 'Cyber Security' with the new course 'Artificial Intelligence' as elective.
17. Add 'Linux-Operating System' as elective.

**Review on BoS Meeting for Syllabus Revision of B.Sc Computer Application held on
07-07-2018**

SEME STER	COURSE CODE	EXISTING COURSE	CHANGED COURSE	PORTIONS CHANGED
1	19U1CRCAP01	Fundamentals of Digital System	Digital Electronics and Microprocessor	<ul style="list-style-type: none"> 1st module of Fundamentals of Digital System' as bridge course Merge the modules of 'Fundamentals of Digital System' and 'Microprocessor and Computer Organization'
	19U1CRCAP02	Programming in C	Programming in Python	Introduced new course
	19U1PRCAP1	Programming in Python (PR)	Programming in Python (PR)	Introduced new course
2	19U2CRCAP03	Microprocessor and Computer Organization	Operating System	Shifted from 6 th semester to 2 nd semester
	19U2CRCAP04	Data Structures Using 'C'	Data Structures Using 'C'	<ul style="list-style-type: none"> Removed 1st module and added 'Basics of C' Added 'Introduction to Trees and Graphs'
	19U2PRCAP2	Data Structures Using 'C' (PR)	Data Structures Using 'C' (PR)	Removed programs of 'Trees and Graphs'
3	19U3CRCAP05	Data Communication and Computer Networks	Data Communication and Computer Networks	<ul style="list-style-type: none"> Removed 'Congestion control' Added 'Internet of Things (IoT)'
	19U3CRCAP06	Object Oriented Programming in C++	Object Oriented Programming in C++	No change
		System Analysis and Design		Changed the course name as 'Software Engineering and Environmental Studies' and shifted to 5 th Semester
	19U3PRCAP3	Object Oriented Programming in C++ (PR)	Object Oriented Programming in C++ (PR)	No change

4	19U4CRCAP07	Advanced Web Technology	Advanced Web Technology	<ul style="list-style-type: none"> Removed some CSS3 and HTML5 methods. Merge 1st and 2nd module as 1st module. Add 'Javascript programming' as 2nd module.
	19U4CRCAP08	Database Management System	Database Management System	<ul style="list-style-type: none"> Removed 'Association Rules of Data Warehouse' Add the basic concepts of 'Big Data and Hadoop'
	19U4PRCAP4	Advanced Web Technology (PR)	Advanced Web Technology (PR)	Add programs of Javascript
5	19U5CRCAP09	Java Programming and Dynamic Web Page Designing	Programming in Java	<ul style="list-style-type: none"> Removed 4th and 5th modules Added package, interface, swing, JDBC in detail
	19U5CRCAP10		Software Engineering and Environmental Studies	Replaced the course 'System Analysis and Design in Semester 3 with the course 'Software Engineering and Environmental Studies'
	19U5OCCAP1	Open Course - Internet, Web Designing and Cyber Laws	Open Course - Internet, Web Designing and Cyber Laws (Open Course)	No change
	19U5PRCAP5	Java Programming and Dynamic Web Page Designing (PR)	Programming in Java (PR)	Added programs in package, interface, swing, JDBC
6	19U6CRCAP11	Operating Systems	Computer Graphics	Introduced a new course
	19U6CRCAP12 EL	Elective - Cyber Security	Elective - Artificial Intelligence	Changed the elective course by a new course.
	19U6CRCAP13 EL		Elective - Linux Operating System	Added a new elective course
	19U6PJCAP1	Project	Project	Group Project (Maximum two students)

REVISED SYLLABUS OF BCA

Sl. no	Sem	Course Code	Credits	Existing Course Name	Changed Course Name	Changed Modules	Topics Changed
1	1	19U1CRBC A1	3	Programming in C	No change	Module 2	<ul style="list-style-type: none"> Control Structures: Branching and Looping changed from third module to second module) Removed Advanced Features
						Module 3	<ul style="list-style-type: none"> Removed control constructs from module 3 and added to second module
2	1	19U1CRBC A2	4	Computer Fundamentals and Organization	No Change	Module 3	<ul style="list-style-type: none"> Removed the following topics from Module 3 : (Computer hardware and software, Machine language and high level language. Application software, computer program, operating system, Computer Virus, Antivirus and computer security. Elements of MS Dos and Windows OS, Algorithms and Flowcharts, illustrations, elements of a database and its applications). Added the following topics: Combinational circuits(encoder, decoder, Multiplexer, Adder),

							<ul style="list-style-type: none"> • Sequential Circuits: Flip Flops (SR, JK, D and T Flip Flop) • Counters: Johnson, Ring, Sequence Counter.
						Module 4	<ul style="list-style-type: none"> • Removed the entire module and revised as following: • Instruction Sets: Addressing Modes and Formats
						Module 5	<ul style="list-style-type: none"> • Added the following topic: • “Network Devices” - Switch, Hub, Repeater, Gateway, Router
3	1	19U1CRBC A3	3	Introduct ion to Linux	No Change	Module 4	<ul style="list-style-type: none"> • Added the following topic: Nano editor and its commands
4	3	19U3CRBC A11	3	Program ming in Java	No Change	Module 4	<ul style="list-style-type: none"> • In Module 4, instead of AWT packages (add AWT and SWING packages- Container and Component Classes)
5	3	19U3CRBC A9	3	RDBMS	No change	Module 1	<ul style="list-style-type: none"> • Removed the topic “Introduction to Relational Database” from first module to second module • Adding new topic “Converting ER Diagram to Relations” • Relational Constraints (added from second to first module)

6	4	I9U4VCBC	A1	4	Introduct ion to cloud Technolo gy	No Change	Module 2	<ul style="list-style-type: none"> Replaced the entire second module with the following topics: Cloud Infrastructure Mechanisms and Specialized Cloud Mechanisms
							Module 3	<ul style="list-style-type: none"> Replaced the entire Third module with the topic 'Different Cloud Architectures'
							Module 4	<ul style="list-style-type: none"> Replaced the entire Fourth module except "API Logging and Auditing " and added the topics of " Fundamentals of Cloud Security
							Module 5	<ul style="list-style-type: none"> Replaced the entire fifth module with the following topics: Cloud Providers, Study of OpenStack, and AWS Clouds, Case studies of Cloud Management Software
							Module 1	Introduction to the Internet
7	4	I9U4CRBCA	12	4	Mobile Web and Applicati on	Web Technolog ies	Module 2	Introduction to HTML/XHTML, Introduction to Stylesheets and Frameworks Cascading Style Sheets
							Module 3	Introduction to JavaScript and jQuery

				Develop		Module	Introduction to Data Interchange
				ment		4	Formats XML
						Module	Introduction to PHP
						5	
8	5	19U5VCBC	4	Server	No	Module I	<ul style="list-style-type: none"> Changed 'windows server 2008' to 'Windows server 2016' Installation and config of various features: Active Directory Federation Services: Windows Defender: Remote Desktop Services, Web Application Proxy: Windows PowerShell Networking features: DNS, DHCP Hyper-V, Nano Server
		A4		Operatin	Change		
				g System			
						Module	<ul style="list-style-type: none"> RHEL 7 installation, configuration of Dhcp, Share (smba & squid), nis,
						3	
						Module	<ul style="list-style-type: none"> Configuration of ftp server, web server, dns server, ssh, pop3, IMAP Server operating system lab Add windows server configurations: dhcp, dns, web server
						4	

9	5	19U4VCBC A2	4	Fundame ntals of Data Centre	No Change	Module 2	• Replaced the entire second module by the 'Cloud Data Center Network Technologies and Data Center Networking Standards'
						Module 3	• Replaced the Third module by the topics "Server Virtualization and Networking"
						Module 4	• Replaced the Fourth module by the topic from "Storage Networks"
						Module 5	• Replaced the entire Fifth module by the topics "Software Defined Networking"
10	5	19U5VCBC A5	4	Fundame ntals of storage	IT and Environme nt		Moved the existing course from 5 th Semester to 6 th semester and replaced it with the course IT and Environment.
11	6	19U6CRBC A17	4	Mobile Ecosyste m and Business Models	Fundamen tals of Storage		Replaced "Mobile Ecosystem and Business Models" from 6 th semester by 'Fundamentals of Storage' of the existing 5 th semester course

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

**Agenda Item 2.6: Note of the Board of Studies in Economics – Presentation by the Chairman
Board of Studies in Economics, S H College, Thevara, Kochi, (Autonomous)**

BoS in Economics at its meeting held on 14/07/2018 took following decisions.

1. The Board of Studies in Economics, in its meeting held on 22/07/2017 and 14/07/2018 proposed to revise the syllabi of B A Economics Programme to be introduced from 2019 admission. BoS in Economics compared our syllabus with MG University syllabus, on the basis of this comparison and considering the views of students on syllabus, the BoS modified the title of certain courses and also the content of all the courses and replaced certain courses with new courses.
 - a. BoS in Economics proposed to replace the core course in the first semester “Historical Perspective of Economic Thought” with “Methodology and Historical Perspectives of Economic Thought” and also proposed to introduce Introductory Econometrics, and Environmental Economics as core courses in the 5th semester.
 - b. BoS also proposed to accept the syllabus of MG University for Environmental Economics introduced in 2017 as the syllabus for Environmental Economics course of BA Economics programme in our Department.
 - c. BoS proposed to replace the currently offered open course “Foundations of Environmental Economics” with “Economics for Everyday life”.
 - d. It also proposed to offer following choice based elective courses- Modern Banking, Mathematical Economics, Business Economics, HRM and Economics of Behavioral Finance.
 - e. Two core courses Indian Economy, and Development Issues of the Indian Economy offered in the V and VI semesters respectively have been clubbed into one course – Indian Economy and will be offered in the 6th semester as has been done by MG University.
2. Revised courses and their syllabi were presented, discussed and approved in the BoS meeting held on 14/07/2018. Courses proposed for the revised BA Economics Programme are given below.

Semester	Proposed Courses	Hours/Week	Credit	No. of Contact Hours
SEM 1	METHODOLOGY AND HISTORICAL PERSPECTIVES OF ECONOMICS	6	4	108
SEM 2	PRINCIPLES OF MICROECONOMICS	6	5	108
SEM 3	MICROECONOMIC ANALYSIS	4	4	72
	ECONOMICS OF GROWTH AND DEVELOPMENT	5	4	90
SEM 4	PRINCIPLES OF MACROECONOMICS	5	4	90
	PUBLIC ECONOMICS	4	4	72
SEM 5	QUANTITATIVE TECHNIQUES FOR ECONOMIC ANALYSIS	6	4	108
	MACROECONOMIC ANALYSIS	6	5	108
	OPEN COURSE- ECONOMICS FOR EVERYDAY LIFE	4	3	72
	ENVIRONMENTAL ECONOMICS	5	4	90
	INTRODUCTORY ECONOMETRICS	4	4	90
SEM 6	QUANTITATIVE METHODS FOR ECONOMIC ANALYSIS	6	4	108
	INTERNATIONAL ECONOMICS	5	4	90
	CHOICE BASED ELECTIVE- (MODERN BANKING, MATHEMATICAL ECO. / HRM/ BUSINESS ECO. / ECONOMICS OF BEHAVIOURAL FINANCE)	4	3	72
	MONEY AND FINANCIAL SYSTEM	5	4	90
	INDIAN ECONOMY	5	4	90
	PROJECT		2	

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

The Board of Studies in Economics, in its meeting held on 14/07/2018 proposed to offer an Add-on Course in Mathematics (a Complementary Add-on Course) in the second year of BA Economics Programme (self-financing course) (3rd and 4th semesters).

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.7. Note of the Board of Studies in English - Presentation by the Chairman /Convener, Board of Studies in English, S H College, Thevara, Kochi, (Autonomous)

Common Courses in English for all UG Programmes

On the basis of the feedback from the students, industry representatives and the discussions among its members, the UG Board has resolved to propose a revision of the existing syllabus of the Common Courses for the UG programmes as well as the BA programme in English (Model II Copy Editor).

Common Courses for UG Programmes

The highlights of the proposed revision are the following:

Adopt the following 3 Common Courses of the UG programmes of the MG Univ.

1. *Pearls from the Deep* (Semester 1)
2. *Savouring the Classics* (Semester 2)
3. *Illuminations* (Semester 4)

Introduce new courses for the remaining 3 courses:

1. *Citizenship, Human Rights and Sustainable Society* (Semester 3) Being Edited by the Board

2. (New text dealing with Reading and Writing - being edited by the Board)
3. (New text dealing with Listening and Speaking - being edited by the Board)

BA English (Model II - Copy Editor)

The Board also proposes to revise the UG syllabus by adopting certain aspects of the revised University Syllabus for BA Copy Editor programme (2017)

The following are the significant changes proposed:

1. To replace the current textbook for the course, "Introduction to the Study of Literature" with Mario Klarer's *Introduction to Literary Studies*. (Semester 1).
2. To swap the course contents for Complementary Course 1 "English for Copy Editing 1" (Semester 1), which deal with the essential principles of writing and editing practices, with the contents of English for Copy Editing II (semester 2), which deal with grammar and mechanics of writing.
3. To revise the contents of the Core course "Methodology of Humanities" (Semester 2)
4. To introduce a course titled "English Literature in Context: A Historical Overview" instead of the Core course, "Shapers of Destiny" in Semester 3 as a core course. (Semester 3)
5. To revise the contents of the Core course "Literature and Informatics" (Semester 3)
6. To introduce "English Literature in Context: A Literary Overview" as a Core course (Semester 4), instead of the course "Cross Currents" (Semester 4).
7. To Introduce a new course on "Environmental Science and Human Rights" (Semester 5)
8. To rename and revise the course "Postcolonial Literature" into "Postcolonial and Subaltern Literature" (Semester 6)
9. To adopt the contents of the University syllabus of the Indian Writing in English and American Literature. (Semester 6) and Reading Prose (Semester 3)

10. To offer Comparative Literature as a Choice-based Core course along with Regional Literatures in Translation. (Semester 6)
11. To replace the essays by Virginian Woolf and Alice Walker with essays by Betty Friedan ("The Problem that has no Name") and Elaine Showalter ("Towards a Feminist Poetics"). (Semester 6).

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.8 Note of the Board of Studies in French -Presentation by the Chairman /Convener, Board of Studies in French, S H College, Thevara, Kochi, (Autonomous)

The Board decided to revise the existing BCom French syllabus.

The existing text Français.com is changed and an updated text, L'Objectif Express I is proposed to be adopted.

The B.O.S. also proposed an Open Course in French with the objective to introduce basic

French through Art and Culture of France, thus emphasising on the co-cultural aspect of learning a language. It aims at teaching basic French at the same time introducing the art and culture of France, including literature, paintings, cinema etc.

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.9 Note of the Board of Studies in Hindi - Presentation by the Chairman Board of Studies in Hindi, S H College, Thevara, Kochi, (Autonomous)

The Board of Studies meeting of Hindi was held on 22.07.2017. Following decisions were taken by the Board: -

1. **Gadya Prabha** (Prose) is introduced for B.A./B.Sc. Semester-I instead of **Gadya Gagan**.
2. A new **Grammar** text is introduced to B.A./B.Sc Semester –II instead of **Samvad Tatha Sanrachana**
3. **Kavya Sudha** (Poetry) is introduced for B.A./B.Sc. Semester-III instead of **Sahitya Manjusha**.
4. **Ekanki Suman** (One Act Play) and **Katha Parikrama** (Short Stories) are introduced for B.A./B.Sc. semester-IV instead of **Sanskritik Virasat**.
5. **Ekanki Panchamrut** (One Act Play) and **Hindi ki Pratinidhi Kahaniyan** (Short Stories) is introduced for B.com Semester-I instead of **Sahitya Darpan** (part-II) and **Rachana ka Sach** (part-I) **Kavya Lahar** (Poetry) and a new text book for **Translation and communication skills** is introduced for Semester-II instead of **Sahitya Darpan** (part-I) and **Rachana ka Sach** (part-II).
6. **Ekanki Sankalan** (One Act Play) is introduced to Semester-I B.A.English Copy Editor instead of **Court Martial** (Drama). **Kavya Parasar** (Poetry) and **Kahani Kunj** (Short Stories) is introduced to Semester-II instead of **Kavya Sopan** and **Katha Kunj**.

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item: 2.10 Note of the Board of Studies in Malayalam – Presentation by the Chairman/ Convenor, Board of Studies in Malayalam, S H College, Thevara, Kochi, (Autonomous)

B.A/B.Sc

Semester-1

Module-1

തകഴിയുടെ (അവനു കിട്ടിയ നിധി) എൻ.എസ്. മാധവന്റെ (വൻ മരണങ്ങൾ വീഴുമ്പോൾ) എന്നീ കഥകൾക്കു പകരം അവരുടെ തന്നെ വെളുത്തകുഞ്ഞ് , നാലാംലോകം എന്നീ കഥകൾ ചേർത്തു

Module-2

സുസ്‌മേഷ് ചന്ദ്രോത്തിന്റെ (ഭൂതമൊഴി), കാക്കനാടന്റെ (കാളിയ മർദ്ദനം) കഥകൾക്ക് പകരം ഉണ്ണി.ആർ ന്റെ (ഒറ്റപ്പെട്ടവൻ), ജോൺ അബ്രഹാമിന്റെ (നേർച്ചകോഴി) എന്നീ കഥകൾ ഉൾപ്പെടുത്തി.

Module 3:

പുന്നത്തിൽ കുഞ്ഞുണ്ണിയുടെ (സന്നിധാനം) എന്ന കഥയ്ക്ക് പകരം കെ.ആർ. മീരയുടെ (മോഹമഞ്ഞ) എന്ന കഥ ഉൾപ്പെടുത്തി.

Module-4

സി. ആർ, പരമേശ്വരന്റെ (പ്രകൃതി നിയമം) എന്ന നോവൽ മാറ്റി വിനോയ് തോമസിന്റെ (കരിക്കോട്ടക്കരി) എന്ന നോവൽ ചേർത്തു.

Semester-2

Module-1

ബാലചന്ദ്രൻചുള്ളിക്കാടിന്റെ (സന്ദർശനം) എന്ന കവിതക്ക് പകരം വിനയചന്ദ്രന്റെ (വിരാമം) എന്ന കവിത ഉൾപ്പെടുത്തി. പവിത്രൻ തീക്കുന്നിയുടെ (ഇനി) എന്ന കവിത മാറ്റി റഫീഖ് അഹമ്മദിന്റെ (പുതിയ മാഷൻമാർ) എന്ന കവിത ഉൾപ്പെടുത്തി

Module- 2

മാറ്റം ഒന്നുമില്ല

Module-3

വൈലോപ്പിള്ളി ശ്രീധരമേനോ ന്റെ (ജലസേചനം) എന്ന കവിതക്ക് പകരം

(കാക്ക) എന്ന കവിത സ്വീകരിച്ചു.

Module-4

കടമ്മനിട്ടയുടെ (കുറത്തി) എന്ന കവിത മാറ്റി (ആ പശുക്കുട്ടിയുടെ മരണം) എന്ന കവിത സ്വീകരിച്ചു. മുരുകൻ കാട്ടാക്കടയുടെ (ഓണം) എന്ന കവിത ഒഴിവാക്കി 20 കവിതകളായി പാഠഭാഗം പുനഃക്രമീകരിച്ചു.

Semester - 3

Module-1

മാറ്റം ഒന്നുമില്ല

Module-2

മാറ്റം ഒന്നുമില്ല

Module-3

പി. ബാലചന്ദ്രന്റെ (ഒരു മധ്യ വേനൽ പ്രണയരാവ്) എന്ന നാടകം മാറ്റി കാവ്യാലത്തിന്റെ (കരിങ്കുട്ടി) എന്ന നാടകം ഉൾപ്പെടുത്തി.

Module-4

വാക്കും ദൃശ്യവും എന്ന പുസ്തകത്തിലെ ആദ്യ 2 അധ്യായങ്ങൾ മാത്രം നിലനിർത്തി. വിധേയൻ തിരക്കഥ വിശദമായ പഠനത്തിന് ഉൾപ്പെടുത്തി.

Semester-4

Module-1

കെ. സേതുരാമന്റെ (മലയാളത്തിന്റെ ഭാവി) എം.എൻ. കാരിശേരിയുടെ (തെളിമലയാളം) എന്നീ ഗ്രന്ഥങ്ങളിലെ തെരെഞ്ഞെടുത്ത ഭാഗങ്ങൾ ഉൾപ്പെടുത്തി. എഴുത്തിന്റെ വഴികൾ എന്ന പുസ്തകത്തിലെ (ഉപന്യാസ രചന, വിവർത്തനം, വാക്കും യുക്തിയും, യന്ത്ര എഴുത്ത്) എന്നീ ഭാഗങ്ങൾ നിലനിർത്തി.

Module-2

മാറ്റം ഒന്നുമില്ല.

Module-3

വി.ടി.വാസുദേവന്റെ (വി.ടി യുടെ വീട് ലോകം) എന്ന ലേഖനത്തിന് പകരം വി.ടി ഭട്ടതിരിപ്പാടിന്റെ (എന്റെ മണ്ണ്) എന്ന ലേഖനം ഉൾപ്പെടുത്തി.

Module-4

എ.എം ശ്രീധരന്റെ (കേരള ഫോക് ലോർ) എന്ന ലേഖനം ഒഴിവാക്കി. 11 ൽ നിന്ന് ലേഖനങ്ങളുടെ എണ്ണം 10 ആക്കി ക്രമപ്പെടുത്തി.

BA. ENGLISH (COPY EDITOR)

SEMESTER-1

Module-1

ലളിതാംബിക അന്തർജ്ജനത്തിന്റെ (മനുഷ്യപുത്രി) അംബികാസുതൻ മാങ്ങാടിന്റെ (മോക്ഷം) എന്നീ കഥകൾക്ക് പകരം സരസ്വതിയമ്മ, സക്കറിയ എന്നിവരുടെ ചോലമരങ്ങൾ, ഒരിടത്ത് എന്നീ കഥകൾ യഥാക്രമം ചേർത്തു.

Module-2

എൻ. പ്രഭാകരന്റെ (ഒറ്റയാന്റെ പാപ്പാൻ) എന്ന കഥ മാറ്റി (ദൈവത്തിന്റെ പൂമ്പാറ്റ) എന്ന കഥ ചേർത്തു.

Module-3

നെല്ലിക്കൽ മുരളീധരന്റെ (ബാലിഗാമ), ആറ്റൂരിന്റെ (ക്ലാസ്സിൽ) എന്നീ കവിതകൾക്കു പകരം സുഗതകുമാരിയുടെ (ഗജേന്ദ്രമോക്ഷം) ശങ്കരപ്പിള്ളയുടെ (മണൽക്കാലം) എന്നീ കവിതകൾ ചേർത്തു.

Module-4

എ.അയ്യപ്പന്റെ (ഈശാവാസ്യം) കവിതക്ക് പകരം പി.രാമന്റെ (കനം) എന്ന കവിത ചേർത്തു.

നരേന്ദ്രപ്രസാദിന്റെ (സൗപർണ്ണിക) നാടകം മാറ്റി പി എം താജിന്റെ (രാവുണ്ണി) നാടകം ഉൾപ്പെടുത്തി.

Semester-2

Module-1

എഴുത്തോലയിലെ (എം.ജി.യൂണിവേഴ്സിറ്റി പ്രസിദ്ധീകരണം) വിവർത്തനം, നിവേദനം, കമ്പ്യൂട്ടറും ഇ-ലോകവും, കത്തിടപാടുകൾ, സർഗാത്മകരചന എന്നീ ഭാഗങ്ങൾ നിലനിർത്തി.

കെ. സേതുരാമന്റെ (മലയാളത്തിന്റെ ഭാവി) , എം.എൻ. കാരിശേരിയുടെ (തെളിമലയാളം) എന്നീ ഗ്രന്ഥങ്ങളിലെ തെരെഞ്ഞെടുത്ത ഭാഗങ്ങൾ ഉൾപ്പെടുത്തി.

Module-2

മാറ്റം ഒന്നുമില്ല.

Module-3

ഗോപിനാഥൻ നായരുടെ ലേഖനത്തിന് (ഗാന്ധിസത്തിന്റെ പ്രസക്തി) പകരം സുകുമാർ അഴീക്കോടിന്റെ (മഹാത്മാവിന്റെ മാർഗം) ലേഖനം ഉൾപ്പെടുത്തി. ഷംഷാദ് ഹുസൈന്റെ ലേഖനം (ചരിത്രം പെണ്ണെഴുതുമ്പോൾ) മാറ്റി കെ.കൊച്ചിന്റെ (കേരളചരിത്രരചന- ഭൂമിതരുടെ ഇടത്തേടലുകൾ) ലേഖനം ഉൾപ്പെടുത്തി. ചെമ്മനം ചാക്കോയുടെ (ഹാസ്യ സാഹിത്യം) മാറ്റി സഞ്ജയന്റെ ലേഖനം (രുദ്രാക്ഷമാഹാത്മ്യം) ഉൾപ്പെടുത്തി.

Module-4

മാറ്റം ഒന്നുമില്ല

B.COM

SEMESTER 1

Module-1

നന്തനാർ (തോക്കുകൾക്കിടയിലെ ജീവിതം), സരസ്വതിയമ്മ (പെൺ ബുദ്ധി), ടി. പത്മനാഭൻ (ഉച്ചാടനം) എന്നിവരുടെ കഥകൾക്ക് പകരം എം.ടി, ലളിതാംബിക അന്തർജനം, ശിഹാബുദ്ദീൻ പൊയ്ക്കും കടവ് എന്നിവരുടെ പെരുമഴയുടെപിറ്റേന്ന്, മാണിക്യൻ, ഒരുപാട്ടിന്റെ ദൂരം എന്നീ കഥകൾ യഥാക്രമം ചേർത്തു.

Module-2

മുകുന്ദന്റെ (നദിയും തോണിയും) എന്ന കഥക്ക് പകരം (രാധ രാധ മാത്രം) എന്ന കഥ സ്വീകരിച്ചു.

Module-3

സുഗതകുമാരിയുടെ(പാവം മാനവഹൃദയം) എന്ന കവിത മാറ്റി (അഭിസാരിക) എന്ന കവിത സ്വീകരിച്ചു.

Module-4

പ്രമീള ദേവിയുടെ (രാമേശ്വരം കടൽ) കവിതക്ക് പകരം വി. എം. ഗിരിജയുടെ (ഇരുപക്ഷംപെടും ഇന്ദുവല്ല ഞാൻ) കവിത ഉൾപ്പെടുത്തി.

Semester-2

Module-1

എഴുത്തോലയിലെ (എം.ജി.യൂണിവേഴ്സിറ്റി പ്രസിദ്ധീകരണം) വിവർത്തനം, നിവേദനം, കമ്പ്യൂട്ടറും ഇ-ലോകവും, സർഗാത്മകരചന എന്നീ ഭാഗങ്ങൾ നിലനിർത്തി.

കെ. സേതുരാമന്റെ (മലയാളത്തിന്റെ ഭാവി) പുസ്തകത്തിലെയും എം.എൻ. കാരിശേരിയുടെ (തെളിമലയാളം) എന്നീ ഗ്രന്ഥങ്ങളിലെ തെരെഞ്ഞെടുത്ത ഭാഗങ്ങൾ ഉൾപ്പെടുത്തി.

Module-2

വി.ടി ഭട്ടതിരിപ്പാടിന്റെ (മനുഷ്യത്വമെന്ന മതം) ലേഖനത്തിനു പകരം എം ഗോവിന്ദന്റെ (സൃഷ്ടിയും സൃഷ്ടാവും) ലേഖനം ഉൾപ്പെടുത്തി.

Module-3

കെ പി. അപ്പന്റെ രാത്രി (എന്റെ ശ്രോതാവായത്) എന്ന ലേഖനത്തിന് പകരം (പ്രാമിത്യസ്സിന്റെ കരൾ) എന്ന ലേഖനം ഉൾപ്പെടുത്തി. പി.കെ. പോക്കറുടെ ലേഖനം (തേൻവരികയും പരിസ്ഥിതിയും) ഒഴിവാക്കി പകരം എം.കെ.സാനുവിന്റെ (സമൂഹമെന്ന യാഥാർത്ഥ്യം) എന്ന ലേഖനം ചേർത്തു.

Module-4

എൻ.എസ്.മാധവന്റെ (വൈശാലീസൂത്രം), ഇ.പി. രാധയുടെ (കാര്യകാരണങ്ങൾ) എന്നീ ലേഖനങ്ങൾക്ക് പകരം പി.എസ്.രാധാകൃഷ്ണന്റെ (.ശ്രീനിവാസൻ ഒരു പാഠപുസ്തകം), ദേവകി നിലയങ്ങോടിന്റെ (നഷ്ടബോധങ്ങളില്ലാതെ) എന്ന ആത്മകഥയിലെ അഞ്ചാമത്തെ അദ്ധ്യായം എന്നീ രചനകൾ ചേർത്തു.

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item No.2.11 Note of the Board of Studies in Mathematics, Presentation by the Chairman Board of Studies in Mathematics, S H College, Thevara, Kochi, (Autonomous)

The BOS of mathematics was held on 18/07/2018, Wednesday, at 3.00 p.m in the Department of Mathematics. The meeting approved the following.

- Revision of the syllabus of selected core courses of BSc. Mathematics programme.
- Revision of the syllabus of complementary mathematics courses.
- Revision of the question paper pattern.

A. Changes in the Syllabus

CORE COURSES

Sl. No	Code.	Semester	No. of Credits	Name of the course		Changed/ not changed
				Existing Syllabus	Revised Syllabus	
1	19UCRMAT01	1	3	Foundation of Mathematics	Calculus	changed
2	19UCRMAT02	2	3	Analytic Geometry, Trigonometry and Matrices	Advanced Calculus and Trigonometry	changed
3	19UCRMAT03	3	4	Calculus	Vector calculus, Theory of Equations and Matrices	changed
4	19UCRMAT04	4	4	Vector Calculus, Theory of Equations and Numerical Methods	Analytic Geometry, Numerical Methods and Number Theory	changed
5	19UCRMAT05	5	4	Mathematical Analysis	Real Analysis-1	changed
6	19UCRMAT06	5	4	Differential Equations	Differential Equations	Not changed
7	19UCRMAT07	5	4	Abstract Algebra	Algebra. (Reworked the modules based on the latest edition of the textbook)	changed

8	19UCRMAT08	5	4	Fuzzy Mathematics	Human Rights and Mathematics for environmental studies	changed
9	19UOCMAT	5	3	Open Course	Open Course	Not changed
10	19UCRMAT09	6	4	Real Analysis	Real Analysis-2	changed
11	19UCRMAT10	6	4	Complex Analysis	Complex Analysis	No change
12	19UCRMAT11	6	4	Discrete Mathematics	Graph Theory and Linear Algebra	changed
13	19UCRMAT12	6	4	Linear Algebra and Metric Spaces	Fourier Series, Laplace Transforms and Metric Spaces	Not changed
14	19UCRMAT13	6	3	Choice Based Course	Choice Based Course (The Syllabus of the course Operations Research has been revised).	Changed
15	19UCRMATPJ	6	2	Project Internal – 25 External - 75	Project Internal – 25 External - 75	Not changed
	TOTAL		54			

COMPLEMENTARY COURSES

Sl. No	Code	Semester	No of Credits	Name of Course		Changed/not Changed
				Existing Syllabus	Revised Syllabus	
1	19UCPMAT01	1	3	Differential Calculus and Trigonometry	Calculus 1	changed
2	19UCPMAT02	2	3	Integral Calculus and Matrices	Calculus II and Numerical Analysis	changed
3	19UCPMAT03	3	4	Vector Calculus, Differential Equations and Analytic Geometry.	Differential Equations, Matrices and Trigonometry	changed
4	19UCPMAT04	4	4	Fourier Series, Differential Equations, Numerical Analysis and Abstract Algebra	Fourier series, Laplace Transform, Fourier Transform and Groups	changed
	TOTAL		14			

Changes for B.Sc Computer Application

Sl. No	Semester	Credits	Name of the course		Changed/not changed
			Existing Syllabus	Revised Syllabus	
1	1	3	Foundation of Mathematics	Foundation of Mathematics	No Change
2	2	3	Analytic Geometry, Trigonometry and Matrices	Analytic Geometry, Theory of Equations and Numerical Methods	No Change
3	3	4	Calculus	Calculus	No Change
4	3	4		Vector Calculus, Trigonometry and Matrices	Shifted from 4 th semester to 3 rd semester
5	4	4	Vector Calculus, Theory of Equations and numerical Methods	Differential Equations	Shifted from 5 th semester to 4 th semester
6	5	4	Mathematical Analysis	Mathematical Analysis	No Change
7	6	4	Real Analysis	Graph Theory and Numerical Analysis	changed

Changes for BCA

One module in Second Semester is changed

B. Changes in the question paper pattern.

REVISED PATTERN

	Part A	Part B	Part C	Remark
Number of questions to be answered	10	5	3	External Marks = 75 Internal Marks = 25
Total number of questions	12	8	4	
Marks per question	2	5	10	

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item No.2.12 Note of the Board of Studies in Physics – Presentation by the Chairman, Board of Studies in Physics, S H College, Thevara, Kochi, (Autonomous)

The decisions of BoS of Physics meeting held on 29.06.2018 are as follows:

1. Introducing new UG syllabus from 2019 academic year onwards.
2. Inclusion of new M.G University B.Sc Physics Scheme and syllabus 2017 as our new UG syllabus with the following changes:
 - (a) Some minor changes in Module-1 of paper-1 in semester-1
 - (b) Existing name of paper-8 "Environmental Physics and Human Rights" in semester-5 changes to "Energy and Environmental Physics" by replacing Module-5 of 8 hrs duration

having human rights topics by including "Environmental Impact Assessment" (EIA) and "An Introduction to Energy Audit".

(c) The opted choice-based course is "Computational Physics" or "Materials Science" and the open course is "Physics in Daily Life"

(d) Other topics remain the same as the M.G. University topics

B. Sc. Physics Programme

Semester	Title of the course	Hrs/week	Credits	Total Hrs
1	Methodology and Perspectives of Physics	2	2	36
	Core Practical I – Mechanics and Properties of Matter	2	-	36
2	Mechanics and Properties of Matter	2	2	36
	Core Practical 1- Mechanics and Properties of Matter	2	2	36
3	Optics, Laser and Fiber Optics	3	3	54
	Core Practical II - Optics and Semiconductor Physics	2	-	36
4	Semiconductor Physics	3	3	54
	Core Practical II - Optics and Semiconductor Physics	2	2	36
5	Electricity and Electrodynamics	3	3	54
	Classical and Quantum Mechanics	3	3	54
	Digital Electronics and Programming	3	3	54
	Energy and Environmental Physics	4	4	72
	Open Course- Physics in Daily Life	4	3	72
	Core Practical III – Electricity, Magnetism and Laser	2	-	36
	Core Practical IV – Digital Electronics	2	-	36

	Core Practical V – Thermal Physics, Spectroscopy and C++ Programming	2	-	36
	Core Practical VI – Acoustics, Photonics and Advanced Semiconductor Physics	2	-	36
6	Thermal and Statistical Physics	3	3	54
	Relativity and Spectroscopy	4	3	72
	Nuclear, Particle and Astrophysics	3	3	54
	Solid State Physics	4	3	72
	Choice based Course – Computational Physics OR Materials Science	3	3	54
	Core Practical III – Electricity, Magnetism and Laser	2	2	36
	Core Practical IV – Digital Electronics	2	2	36
	Core Practical V – Thermal Physics, Spectroscopy and C++ Programming	2	2	36
	Core Practical VI – Acoustics, Photonics and Advanced Semiconductor Physics	2	2	36
	Project and Industrial Visit	-	1	-

Complementary Physics for Mathematics

Semester	Title of the course	Hrs/week	Credits	Total Hrs
1	Properties of Matter and Error Analysis	2	2	36
	Complementary Physics Practical I	2	-	36
2	Mechanics and Astrophysics	2	2	36
	Complementary Physics Practical I	2	2	36
3	Modern Physics and Electronics	3	3	54
	Complementary Physics Practical II	2	-	36
4	Optics and Electricity	3	3	54
	Complementary Physics Practical II	2	2	36

Complementary Physics for Chemistry

Semester	Title of the course	Hrs/week	Credits	Total Hrs
1	Properties of Matter and Thermodynamics	2	2	36
	Complementary Physics Practical I	2	-	36
2	Mechanics and Superconductivity	2	2	36
	Complementary Physics Practical I	2	2	36
3	Modern Physics and Magnetism	3	3	54
	Complementary Physics Practical II	2	-	36
4	Optics and Solid-State Physics	3	3	54
	Complementary Physics Practical II	2	2	36

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.13 Note of the Board of Studies in Sanskrit - Presentation by the Chairman /Convener, Board of Studies in Sanskrit, S H College, Thevara, Kochi, (Autonomous)

Board of Studies in Sanskrit, S H College, Thevara, Kochi, (Autonomous)

The meeting of the B.O.S held on 22-7-2017 made the following decisions:

Semester-1

B.A/B.Sc-1Sem-Module-1 Module 3: No change in the syllabi

Module-2-*Karnabharam* by Bhasa-Instead of *Swapnavasavadatta*

Module-4-Critical appreciation of *Karnabharam* and *Kumarasambavam* instead of Critical appreciation of *Swapnavasvadatta*

Semester-2

1. Module-1 & Module 2: No change in the syllabi.
2. Module-3-Introduce new classical kayya -*Megadhootha*-(poorva mega only) 1 to 20 slokas only, instead of *Swapnavasavadhtha* Act-4&6
3. Module-4 Introduce new chapters Mruchakatika Kadasamgraham- 1, 2, & 3 chapters instead of Pampavarnana

Semester 3

1. Module-1-Kalidasa complete works and their translations- Excluded
2. Module-2 & Module 3: No change in the Syllabi
3. Module-4- introduce new chapters Mruchakatika Kadasamgraham- 4, 5 & 6 chapters instead of Mruchakatika 1& 2 chapters

Semester 4

Module-1, 2, 3 & 4: No change in the existing syllabi

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.14: Note of the Board of Studies in Sociology – Presentation by the Chairman, Board of Studies in Sociology, S H College, Thevara, Kochi, (Autonomous)

The Board of Studies of U G Sociology has reviewed the Curriculum taking into consideration the University Syllabus, feedback from the stakeholders and the social changes taking place in the society. The Board has decided to make the following modifications and changes:

- 1) Topics on Emergence of social science, different branches, methodologies etc. have been included in the syllabus of the f Bridge Course
- 2) Realigned the topics of First Semester Core Course 1fundamentals of Sociology-U1CR SOC01 and Course 2 – Basic Concepts in Sociology-U2CR OC02

- 3) The existing two core courses in the 4th semester-a) Social Structure and Change in India and b) Perspectives on Indian Society have been combined together in to one course entitled as 'Indian Social Structure & Sociological Perspectives'
- 4) The existing course Life Skill Education of Sem V is changed to Sem 4.
- 5) As per the direction of the UGC to provide environmental awareness to the students a new course entitled 'Environment and Society' is introduced in the 5th semester.
- 6) The Core Course Culture and Society-U6CR SOC11 is replaced by introducing a new course: Sociology of Marginalised Sections.
- 7) The title of the Open Course is changed from Elements of Social Psychology to Fundamentals of Social Psychology

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

**Agenda Item 2.15: Note of the Board of Studies in Statistics – Presentation by the Chairman
Board of Studies in Statistics, S H College, Thevara, Kochi, (Autonomous)**

Board of Studies in Statistics has taken the following decisions

1. The existing Undergraduate syllabus of Statistics (Complementary Courses for BSc Mathematics and core courses for BSc C.A) when compared with the Mahatma Gandhi University syllabus appeared to be superior, and therefore the BoS decided to continue the existing syllabus for these programmes.
2. The BoS decided to modify the syllabus of Statistics course for BCA (Basic Statistics, 3rd semester). The details are included in the BCA syllabus
- 3 The BoS proposed to start a new Undergraduate Programme (Triple main) in Mathematics with Statistics and Business Analytics as core subjects. The credit details are as follows

**Programme Structure of
BSc Mathematics (Triple main) with Statistics and Business Analytics**

Subjects	Credits
Mathematics	49
Statistics	34
Business Analytics	26
English	8
Open course	3
Total	120

Semester -1

Sl.n o	Subject	Theory/practical	Credit	Hour s/we ek
1	English	both	4	4
2	Foundation of Mathematics	Theory	3	4
3	Calculus	Theory	4	4
4	Descriptive Statistics	Theory	3	4
5	Data mining Techniques	Theory	3	5
6	Basic Economics	Theory	4	4

Semester -2

Sl. no	Subject	Theory/practical	Credit	Hours/ week
1	English	Theory	4	4

2	Vector calculus, Theory of equations and Matrics	Theory	4	4
3	Advanced Calculus and Trigonometry	Theory	3	4
4	Probability and Statistics	Theory	3	4
5	Introduction to Big Data and Hadoop	Theory	4	4
6	Financial Accounting	Theory	4	5

Semester – 3

Sl.no	Subject	Theory/practical	Credit	Hours
		Both		/week
1	Real Analysis -1	Theory	4	5
2	Differential Equations	Theory	4	5
3	Probability Distributions	Theory	4	5
4	Statistics- Practical Paper 1	Practical	3	5
5	Introduction to Tally	Both	3	5

Semester -4

Sl.no	Subject	Theory/practic	Credit	Hours/
		al Both		week
1	Algebra	Theory	4	5
2	Complex Analysis	Theory	4	5
3	Statistical Inference	Theory	4	5
4	Sampling Techniques and Design of Experiments	Theory	4	5
5	Econometrics	Theory	4	5

Semester - 5

Sl.no	Subject	Theory/practic al Both	Credit	Hours/ week
1	Human Rights and Mathematics for Environmental Studies	Theory	4	5
2	Open course	Theory	3	4
3	Graph Theory and Linear Algebra	Theory	4	5
4	Statistical Quality Control and Time Series Analysis	Theory	4	5
5	Machine Learning	Theory	4	6

Semester – 6

Sl.no	Subject	Theory/practical Both	Credit	Hours/ week
1	Real Analysis -2	Theory	4	5
2	Fourier Series, Laplace Transforms and Metric Spaces	Theory	4	5
3	Statistical Data Analysis Using Softwares	Both	4	5
4	Statistics- Practical -2	practical	3	4
5	Project (Statistics)	practical	2	3
6	Operations Research	Theory	3	3

4 The BoS also proposed to start

- (a) A new P.G. programme in 'Business Analytics' in collaboration with either the Commerce department of our college or with Indian Statistical Institute (ISI), Bangalore.
- (b) A new P.G. Diploma programme in 'Statistical Data Analysis' which will be beneficial for graduates in Social Science and Commerce.

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item 2.16

Note of the Board of Studies in Zoology – Presentation by the Chairman, Board of Studies in Zoology, S H College, Thevara, Kochi, (Autonomous)

The meeting of the Board of Studies in Zoology was held on 10th July 2018 at 10:30 am in the Department. The BoS recommended the revision of the existing UG Syllabus in comparison with the MG University syllabus as follows:

- S1 and S2 Core- no change
- S1 and S2 complementary- no change
- S3 core- no change
- S4 core- Applied Zoology – Aquaculture modified, Poultry Science and Animal Husbandry incorporated
- S4 complementary - Applied Zoology – Aquaculture modified; Quail Culture incorporated
- S5- Cell Biology and Molecular Biology – Title changed to Cell and Molecular Biology, Slight modification in the module "Gene Expression"
- S5- Environmental Biology- Toxicology portions minimized; Population Interactions incorporated

- S5- Evolution, Zoogeography, Ethology- no change
- S5- Biochemistry, Endocrinology, Physiology- Sports Physiology deleted, HMP and complementary system deleted
- S5- Open Course- Human Genetics, Nutrition and Community Health- simplified the paper so that it suits the candidates from other streams
- S6- Reproductive and Developmental Biology –Stem Culture deleted; Animal Husbandry techniques incorporated
- S6- Genetics and Biotechnology- Module titles rearranged
- S6- Microbiology and Immunology- Small portions deleted from Virology, Modifications in Immunology- rearrangement of hours and topics
- S6- Bioinformatics- EMBL and INSDC incorporated
- S6- Elective- Nutrition, Community Health and Sanitation - replaced by a new Elective- Ecotourism and Ecotourism Entrepreneurship –in order to enhance the employability of the students and also as an effort to make the curriculum multidisciplinary.
- Credit distribution is made at par with the revised university syllabus. The credits of the elective course are changed from 4 to 3 and credit of individual project is changed from 1 to 2.
- It is proposed to introduce two add on courses:
 1. Ecotourism and Ecotourism Entrepreneurship
 2. Basic Biological Techniques

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item No. 3

Grading Pattern of Undergraduate Programmes of 2016 Admissions

Presentation by the Dean, Science, S H College, Thevara (Autonomous)

The Academic Council which met on 21-03-2015 approved the proposals to revise the curricula and syllabi of various undergraduate (UG) programmes offered by the college. The grading pattern then adopted was the same as that of the Mahatma Gandhi University. But, the Academic Council of the University which met on 23-05-2015 decided to implement the UGC guidelines for CBCSS from 2016-17 admissions onwards. Our Academic Council which met on 05-12-2015 also decided to follow the grading pattern adopted by the Academic Council of the university from 2016 admissions onwards. Later, the university issued an order implementing the earlier decision only from 2017 admission onwards.

On 23-06-2018, A group of students made a complaint to the Principal regarding the anomalies that exist between the grading patterns of the university and our college. The Principal referred the matter to the Deans committee and they found that if the adopted pattern is implemented for 2016-17 UG admissions, then the students will have a comparative disadvantage in the admissions of various post graduate programmes under MG University. So, it is proposed to continue the grading system that existed for the undergraduate programmes before 2016 admissions to the UG batch of 2016 -17 admissions also.

The grade and grade points, based on the marks obtained by the candidate for a given course/programme existed before 2016 admissions are as follows:

%e of Marks	Grade(course)	Grade Point	SGPA/CGPA	Grade(programme)
90 and above	A+ Outstanding	10	Above 9	A+ Outstanding
80-89	A - Excellent	9	Above 8, but below or equal to 9	A – Excellent
70-79	B - Very Good	8	Above 7, but below or equal to 8	B -Very Good

60-69	C – Good	7	Above 6, but below or equal to 7	C – Good
50-59	D – Satisfactory	6	Above 5, but below or equal to 6	D – Satisfactory
40-49	E – Adequate	5	Above 4, but below or equal to 5	E – Adequate
Below 40	F – Failure	0	4 or below	F – Failure

The grade and grade points, based on the marks obtained by the candidate for a given course from 2016 admissions are as follows:

Percentage of Marks	Grade(course)	Grade Point (GP)	SGPA/CGPA	Grade(programme)
95 and above	O Outstanding	10	Equal to 9.5 and above	<i>O Outstanding</i>
85 to below 95	A ⁺ Excellent	9	Equal to 8.5 and below 9.5	<i>A+ Excellent</i>
75 to below 85	A Very Good	8	Equal to 7.5 and below 8.5	<i>A Very Good</i>
65 to below 75	B ⁺ Good	7	Equal to 6.5 and below 7.5	<i>B+ Good</i>
55 to below 65	B Above Average	6	Equal to 5.5 and below 6.5	<i>B Above Average</i>
45 to below 55	C Average	5	Equal to 4.5 and below 5.5	<i>C Average</i>
40 to below 45	D Pass	4	Equal to 4.0 and below 4.5	<i>D Pass</i>
Below 40	F Fail	0	Below 4.0	<i>F Failure</i>
	Ab Absent	0		

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item No. 4

Approval of Experts in the BoS of Various Departments

Presentation by the Dean, Arts and Humanities, S H College, Thevara (Autonomous)

As per the Kerala Government ordinance 56 of 2013, Government of Kerala, Nov. 30, 2013, S 109/2 C the Academic Council of the college has to nominate two experts in each subject from outside the college to Board of Studies.

The experts suggested by the Chairman of the BoS are given below.

Experts in the subject from outside the college, to be nominated by the academic council

1. Board of Studies in Aquaculture

1. Dr. C.N. Ravishankar, Director, Fish Processing Technology, CIFT, Malsyapuri, Kochi-29.
2. Dr. K. Sunil Mohammed, HoD, Molluscan Fisheries Division, CMFRI, Kochi -18.

2. Board of Studies in Botany

1. Prof. (Dr.) T. Dennis Thomas, Dean, School of Biosciences and Head, Department of Plant Sciences, Central University, Kasargod.
2. Dr. Mathew Dan, Scientist E1, Plant Genetic Resources Division, JNTBGRI, Palode, TVM.

3. Board of Studies in Chemistry

1. **Dr. REJI VARGHESE**, Assistant professor, School of Chemistry-IISER, THIRUVANANTHAPURAM, reji@iisertvm.ac.in
2. **Dr. SREESHA SASI**, Assistant professor, Department of Chemistry, MAHARAJAS COLLEGE ERNAKULAM, sreeshasasi@gmail.com

4. Board of Studies in Commerce

1. **DR. SANTHOSH KUMAR S.**, Professor, School of Management Studies, CUSAT, Kalamassery, Cochin, Ph: 94460 – 41325, E – Mail: drsan@cusat.ac.in
2. **DR. R. VASANTHAGOPAL**, Associate Professor, School of Distance Education Kerala University, Trivandrum, Ph: 98950 – 18010, Email: vasanthagopalr@gmail.com

4. Board of Studies in Communication

1. Mr. Prosenjith Ganguly, National Institute of Design, Gandhi Nagar, Ahmedabad, Gujrat
Ph:098461 37017
2. Ms. Anubha George, 'Serene', Chakungal house, Palarivattom, Ernakulam, Phone:
9895343640

5. Board of Studies in Computer Science

1. Dr. Sabu M K, Assoc. Professor, Dept. of Computer Applications, CUSAT, Thrikkakara
Mob: 9446128197, Email-ID: sabumk@cusat.ac.in
2. Rev. Dr. Jaison Paul Mulerikkal CMI,, Principal, Jyothi Engineering College,
Cheruthuruthy, Thrissur, Mob: 9567611733, Email-ID: principal@jecc.ac.in

6. Board of Studies in Economics

1. Dr. Shyjan D, Assistant Professor and Head, Dept. of Economics, University of Calicut, Dr.
John Matthai Centre, Aranattukara, Thrissur- 680618, Ph. 9400370320,
shyjandavis@gmail.com
2. Dr. Manju S Nair, Associate Professor, Dept. of Economics, University of Kerala,
Kariyavattam, TVM, Ph. 9495513584, meetmanuynaidu@yahoo.com

7. Board of Studies in English

1. Dr. Indulal, Associate Professor, S D College, Alappuzha.
2. Dr. K.N. Krishnan, Professor of English, School of Letters, M G University, Kottayam.

8. Board of Studies in Environmental Science

1. Dr. C.N. Manoj, MSc. Ph.D. CEO, Pelican Biotech and Chemical Labs, 1/ 77, (VII / 390), NC
John Estate, Kuthiathode, Alappuzha District, Kerala -688 533 Ph- 9447365542.
2. Dr. Bright Singh, Professor, School of Marine Sciences, CUSAT, Marine Campus, Kochi.

9. Board of Studies in French

1. Dr. R. Sudha, HOD & Associate Professor, Department of French, Madurai Kamaraj University, Madurai
2. Linda Pious, Assistant Professor, Fathima Matha College, Kollam.

10. Board of Studies in Hindi

1. Dr. Sudha, Professor and HoD, Dept. of Hindi, Central University of Kerala, Kasaragod
2. Dr. Poornima R, Assistant Professor, Dept. of Hindi, S.D. College, Alappuzha

11. Board of Studies in History

1. Dr. Ani Tresa Ephrem, Associate Professor, Department of History, Sree Sankara University, Kalady.
2. Dr. Vinod Kallolikkal, Associate Professor, Department of History, Maharajas College, Ernakulam.

12. Board of Studies in Malayalam

1. Dr. Muse Mary George, Associate Professor, Department of Malayalam, U.C. College, Aluva
2. Dr. Joseph Scharia, Assistant professor, Department of Malayalam, S B College, Changanassery

13. Board of Studies in Mathematics

1. Dr. M.N. Namboodhiri, Professor, Department of Mathematics, CUSAT, Kochi -22
mnnadri@gmail.com, 9446505953
2. Arun K.R, Associate Professor, ISCER, Trivandrum, arun@iiscertvm.ac.in, 9745420291

14. Board of Studies in Physical Education

1. Dr. M.A Joseph, Sports Medicine Department, Medical Trust Hospital, Ernakulam
2. Shri. Rajan Varghese, International Official & Self Defence Expert, Trainer in Martial Arts, Thevara.

15. Board of Studies in Physics

1. Prof. Pramod Gopinath, Dept. of Photonics, CUSAT - 9446069743
2. Dr. Ison V Vanchipurackal, Dept. of Physics, St. Thomas College, Pala - 9446126926

16. Board of Studies in Political Science

1. Dr. Shaji Varkey, Associate Professor, Department of Political Science, Kerala University, Kariavattom P O, Trivandrum- 695 581
2. Dr. Shelly Johny, Assistant Professor, Department of Political Science, St. Aloysius College, Elthuruth, Thrissur-680 611

17. Board of Studies in Sanskrit

1. **DR. V.R. MURALIDHARAN**, Professor & HOD, Dept. of Sanskrit Sahitya, Sree Sankaracharya University of Sanskrit, Kalady, Mob: 9446365087, Email: hodsahitya@gmail.com
2. **DR. L. SUDHARMANY, Professor**, Dept. of Sanskrit Sahitya, Sree Sankaracharya University of Sanskrit, Regional Centre: Turavoor Campus, Mob: 9847084489, Email: drsudharmany@gmail.com

18. Board of Studies in Sociology

1. Dr. Sara Neena T, Associate Professor & HOD, Dept.of Sociology, Vimala College, Thrissur.
2. Dr. Sajitha J Kurup, Assistant Professor, Department of Sociology, St.Teresa's College, Ernakulam.

19. Board of Studies in Statistics

1. Dr. S.M. Sunoj, Professor, Department of Statistics, Cochin University of Science and Technology, Cochin- 682022, E-mail: smsunoj@cusat.ac.in, smsunoj@gmail.com
Phone: 09446627103
2. Prof. Flowery Francis, Assistant professor, Sri. C. Achuthamenon Govt. College, Kuttanellur, Thrissur-14, E-mail: flowerfrancis@gmail.com, Phone: 9495496748

20. Board of Studies in Zoology

1. Dr. A. Gopalakrishnan, Director, Central Marine Fisheries Research Institute, Kochi
2. Dr. T.V. Sajeev, Head, Division of Forest Protection, Kerala Forest Research Institute Peechi, Thrissur

Submitted to the Academic Council for Approval.

Decision: AC approved the proposals.

Agenda Item No. 5.

Other matters, if any, with the consent of the chair.

The Chairman proposed to introduce open courses in 'Syriac' language and 'Inter-scripture Studies' for the UG Programmes. He proposed that the matter of approving the syllabi of these courses and the BBA programme be referred to the Deans committee.


The Academic Council accepted the proposals.

The meeting came to an end by 1.15 pm.



Dr. Johnson X Palackappan
Principal
Sacred Heart College (Autonomous)
Thevara, Kochi-682 013

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Dr. K.V. Raju
Member Secretary





MINUTES
OF
12th ACADEMIC COUNCIL MEETING

Date: Monday, 25th March 2019

Time: 10.30 am.

Venue: Hadrian Hall



SACRED HEART COLLEGE – AUTONOMOUS	
MEETING OF THE ACADEMIC COUNCIL - March 25, 2019 Monday 10 30 am.	
Venue: Hadrian Hall	
Agenda	
ITEM No.	SUBJECT
	Remarks by the Chairman
1	Minutes of the meeting of Academic Council held on 21.07.2018 & discussion on items arising out of the minutes.
2	Curriculum Revision, UG & PG Programmes
3	Introduction of add on courses by various departments.
3.1	Note of the Board of Studies in Botany
3.2	Note of the Board of Studies in Chemistry
3.3	Note of the Board of Studies in Communication
3.4	Note of the Board of Studies in Computer Science
3.5	Note of the Board of Studies in Economics
3.6	Note of the Board of Studies in Environmental Science
3.7	Note of the Board of Studies in French
3.8	Note of the Board of Studies in Malayalam
3.9	Note of the Board of Studies in Mathematics
3.10	Note of the Board of Studies in Physics
3.11	Note of the Board of Studies in Sociology
3.12	Note of the Board of Studies in Statistics
4	Admission Prospectus for the Year 2019-20 for various UG & PG Programmes
5	Other matters, if any, with the consent of the chair

Leave of absence: Dr. V. C. George, Dr. George Paul, Adv. Jose Kannanthanam, Dr. Joyskutty Joseph

The meeting chaired by Principal, Fr. Johnson X Palackappillil, started with prayer at 10.30 am led by Dr. Fr. Jose John, the Vice Principal.

In his introductory remarks, the chairman highlighted the achievements of the college during the academic year 2018-19 the Platinum Jubilee year of the college. The official inauguration of the Jubilee year was done by his Excellency Mr. M Venkaiah Naidu, the Vice-President of India on first February 2019. He also informed about the starting of the construction of the Platinum Jubilee building (Building Space for Excellence – BSE) and the progress of the work. He also sought the prayers of all honorable members and all possible help in completing the work at the earliest.

The visit of Prof. Robert H. Grubbs, Nobel laureate in Chemistry, was another milestone in the history of the college. The college won the Mahatma Gandhi University Youth Festival championship for the second time in succession.

He also informed the Academic Council about the approval of the revised undergraduate syllabi by the Mahatma Gandhi University and stated that the revised syllabi will be implemented from 2019-20 admission onwards. The chairman also explained the steps taken by the various Boards of Studies for revising the existing Post Graduate Syllabus. The Principal also expressed his gratitude to the nine retiring teachers for their dedicated service to the institution and wished them the best in their future.

The Academic Council congratulated the college management, staff and students for the championship in the Mahatma Gandhi University Youth Festival for the second time in succession.

The following items of the agenda were considered by the Academic Council.

Agenda Item No.1

Approval of minutes (already circulated)

The Academic Council approved the minutes of the previous meeting held on 21-07-2018 with the following modifications

1. In page 21 (Agenda 2.6.3), the proposal of the Board of Studies in Economics to start an Add-on Course in Mathematics (a complementary add-on course) in the second year of BA' shall be corrected as an Add-on Course in Mathematics for Economics
2. In page 38 (Agenda 2.16), the proposal of the Board of Studies in Zoology to introduce 'two new certificate courses' shall be corrected as 'two new add-on courses'
3. The chairperson of the Board of Studies in Statistics pointed out a typographical error (Agenda2.15) and requested the council for an interchange of the two tables given in page 36 of the minutes. She also requested the council to correct the serial numbers of the courses given in tables of pages 36 and 38 as 1,2,3...

The Academic Council accepted these corrections and approved the minutes

Agenda Item No.2

Curriculum Revision (UG, PG) Regarding:

The Academic Council meeting held on 21st July 2018 approved the Curriculum revision for the UG Programmes from 2019-20 admission onwards. Mahatma University has given the formal approval of it. Since, the revised syllabi of most of the subjects do not follow 'Outcome Based Education (OBE)' strategy; it is decided to incorporate it in the new syllabus without affecting the content of the already approved syllabus. It is also proposed to revise the PG Curriculum from 2020-21 admission onwards. A preparatory work is being undertaken by various BoS of the College in this regard.

The Academic Council approved the proposal.

Agenda Item No. 3

Starting of Add on Courses by various departments.

Agenda Item No.3.1

Note of the Board of Studies in Botany - Presentation by the Chairman, Board of Studies in Botany, S.H. College (Autonomous), Thevara, Kochi.

The Board of Studies in Botany met on 15th March 2019. The following were the resolutions made in the meeting;

(i) PG Syllabus Revision

- PG syllabus shall be revised by incorporating relevant advanced topics and shall be introduced from 2020 admission onwards.
- Evaluation from different stakeholders such as students, parents and alumni shall be considered for the revision.
- Hour and credit distribution of each paper should be taken care of while revising the syllabus. For this, we shall use the M.Sc. Botany syllabus of MG University, Kottayam as a template.
- The syllabus shall be in accordance with the pattern provided in the parent university (MG University, Kottayam). However, it shall contain advanced topics as and when required.
- B.Sc. topics shall be incorporated as a connecting link of the basics that has been taught in undergraduate level to the advanced and applied levels in the M.Sc. Bridging shall be mandatory for each course. Every course teacher should ensure the same.
- Advanced learning (as extra credits) included in the existing syllabus shall be eliminated.
- Virtual lab experiments shall be made optional.
- Outcome Based Education (OBE) strategy shall be adopted wherever possible.
- Internship and project work shall be assigned from the first year of the M.Sc. course itself.
- A project proposal for the M.Sc. project work shall be made at the end of first semester.

(ii) Add- on Courses

It was also resolved to conduct 3 Add-on courses of 36 hrs duration (two credits) in the department, namely, (i) Plant Tissue Culture and Micropropagation, (ii) Pollination Biology and Plant-Animal Interaction and (iii) Organic Farming and Roof-top Cultivation

Agenda Item No. 3.2

Note of the Board of Studies in Chemistry - Presentation by the Chairman, Board of Studies in Chemistry, S.H. College (Autonomous), Thevara, Kochi.

BoS in Chemistry at its meeting held, took the following decisions subject to the approval of the Academic Council for updating and enriching the present B.Sc. Syllabus:

1. The meeting resolved to restructure the revised B.Sc. Syllabus in the OBE format to project the outcome of each course as well as of the Programme.
2. The meeting resolved to start a 30 Hour Add-on course in Food Chemistry from this year onwards, preferably in the vacation. This will make the students aware of the practical applications of chemistry in food preparation and preservation.

Agenda Item No.3.3

Note of the Board of Studies in Communication

The Board of Studies in Communication met on March 15th 2019 and has taken the following decisions.

- (i). Eligibility criteria for PG Programmes – MA (Graphic Design) and MA (Digital Animation)

The MG University's eligibility criteria for the said Programmes include basic degree in the relevant programme or any degree with an additional Diploma Certificate in Graphic Design and Diploma Certificate in Digital Animation respectively.

In Sacred Heart College, the admission process to these PG programmes include an aptitude test and interview, in addition to a degree with a minimum of 45% marks. The aptitude test and interview can assess clearly the aptitude and skill for a student in the concerned area.

Also, there are no standardised Diploma Courses run by institutions affiliated to the University that can be suggested to the students.

The Board of Studies of SHSC finds that the required criteria by the University of possessing a Diploma Certificate is not necessarily adding value to the admission process, as the admission process at SHSC follows a scientific method and mechanism to assess the ability and aptitude for pursuing Post Graduate Degree in Digital Animation and Graphic Design.

Hence BoS recommends the eligibility criteria for the above programmes as any degree with at least a CGPA of 4.5 out of 10 or equivalent. The admissions to the above programmes shall be based on an aptitude test and interview in addition to the above eligibility criteria.

(ii) Proposed Add-on Courses (Minimum hours: 36; Credits: 2)

1. Anatomy Drawing
2. Cartooning
3. Autodesk Maya
4. Character Designing
5. BG Design – Specialisation (Landscape & Seascape)
6. Calligraphy
7. Printing Techniques
8. Food Design
9. Sculpture

10. Caricature
11. Introduction to Filmmaking
12. FCP Editing
13. Interview Skills

(iii) Proposed Certificate Courses (Minimum Hrs.: 72; Credits: 4)

1. Introduction to Photography
2. Graphic Design (Photoshop, InDesign & Illustrator)
3. Digital Marketing
4. Web Designing
5. Introduction to Script Writing
6. Acting
7. Art of Dubbing
8. Introduction to Video Production

Agenda Item No.3.4

Notes of the Board of Studies in Computer Science, Presentation by the Chairman, Board of Studies in Computer Science

The BoS meeting held on March 15, 2019 decided to introduce two new add on courses, namely Programming in Python and Basic Android. The duration of the courses is 36 hours and the credits is two.

Agenda Item No.3.5

Notes of the Board of Studies in Economics, Presentation by the Chairman, Board of Studies in Economics

The BoS in Economics, in its meeting held on march 15th 2019 proposed to revise and restructure:

- (i) Syllabus of MA Economics Programme to be introduced from academic year 2020.
- (ii) Syllabus of M.Phil Economics Programme to be introduced from academic year 2020.

Agenda Item No.3.6

Note of the Board of studies in Environmental Science - Presentation by the Chairman, Board of Studies in Environmental Science, S.H. College (Autonomous), Thevara

The BoS in Environmental Science, in its meeting held on 15th March 2019 took the following decisions.

The BoS in Environmental Science in its meeting held on march 15th 2019 proposed to start:

- (i) an Add on Course in '**Ecosystem Based Disaster Risk Reduction and Climate Change Adaptation**'. Total hours for the course are 36 and two credits.
- (ii) (ii) an open course in '**Disasters, Environment, Risk Reduction and Climate Change Adaptation**'. Total hours of the course are 72 and credit is 3.

Agenda Item No.3.7

Notes of the Board of Studies in **French**, Presentation by the Chairman, Board of Studies in French.

The BoS meeting held on March 15, 2019 decided to introduce an add on course in 'Communicative French' The Add on in French could be held in the evenings or on Saturdays, 2 hrs per week and can invite participation from our students or outsiders. At the end of the programme, they will be efficient enough to write the DELF exam.

Agenda Item No.3.8

Note of the Board of Studies in **Malayalam, Sanskrit and Other languages** - Presentation by the Chairman, Board of Studies in Malayalam, Sanskrit and other languages, S.H. College (Autonomous), Thevara, Kochi.

The BoS of Malayalam, Sanskrit and Other Languages held on 15th March 2019 decided to start:

- an open on course in '**Syriac**' (Eastern) **language**. The Duration of the course is 72 hours and credits 3

- add on course in 'Spanish' language. The duration is 36 hours and credits 2

Agenda Item No. 3.9

Note of the Board of Studies in Mathematics - Presentation by the Chairman, Board of Studies in Mathematics, S.H. College (Autonomous), Thevara, Kochi.

The Board of Studies in Mathematics met on 15th March, 2019 in the Department at 11.30 am and have taken the following decisions.

1. The Board of Studies in Mathematics decided to take steps to revise the syllabus of M Sc. Mathematics programme from 2020-2022 batch onwards. Board of studies discussed a draft of the new syllabus by comparing it with the existing University syllabus. The new syllabus will be ready for submission to the University before December 2019.
2. The Board of Studies decided to make the following corrections in the syllabus of the course 'Discrete Mathematics' for the BCA Programme.
 - a. In the revised syllabus the course code is wrongly given as 19U1CRCMT2 and it is changed to 19U2CPCMT2.
 - b. In the revised syllabus the course credit is wrongly given as 3 and it is changed to 4.
 - c. The 2nd and 4th modules are retained and 1st and 3rd modules are replaced by Solution of Equations and Numerical Solutions for Calculus.

Agenda Item No. 3.10

Note of the Board of studies in **Physics** - Presentation by the Chairman, Board of Studies in Physics, S.H. College (Autonomous), Thevara, Kochi.

The Board of Studies in Physics in its meeting held on 15th March 2019 decided to start add on courses in the following fields with a duration of 36 hours and two credits each.

1. Robotics
2. Fundamentals of Programming
3. Problem solving in Physics and RBPT
4. Introduction to Space Physics
5. Introduction to Radio Astronomy
6. Skill oriented course in Wiring and Plumbing.

Agenda Item No.3.11

Note of the Board of Studies in **Sociology** - Presentation by the Chairman, Board of Studies in Sociology, S.H. College (Autonomous), Thevara, Kochi.

The Board of Studies of Sociology in its meeting on March 15th 2019 has decided to start an Add on Course entitled - Preparatory Course for Competitive Examinations and Administration - from the academic year 2019-20. Total Hours for the course are 36 hours with two credits.

Presented before the Academic Council for approval.

Agenda Item No.3.12

Note of the Board of Studies in **Statistics** - Presentation by the Chairman, Board of Studies in Statistics, S.H. College (Autonomous), Thevara, Kochi.

The Board of Studies meeting convened on 15th march 2019 proposed an add-on course in 'Statistical Data Analysis'. The duration of the course is 36 hours and the credits of this course are two.

The syllabus of the course is attached.

The Academic Council approved the above proposals

Agenda Item No.4

Admission Prospectus for the Year 2019-20 Academic Year

1. Admissions to the various UG/PG programmes offered by the college are done on the basis of respective prospectus adhering reservation norms of the Government of Kerala. As there is no change in the marking/grading system of the qualifying examinations, the admission committee decided to follow) prospectus of the previous year (2018-19) for 2019-20 admissions with the following modifications for UG admissions: For BCA (Mobile Applications and Cloud Technology) programmes the eligibility for admission is a pass in Plus two/ equivalent examination with Mathematics/Statistics as one of the optional subjects or science with Informatics Practices/ Computer Science.

The Academic Council approved the proposal

Agenda Item No.5

Other matters, if any, with the consent of the chair.

5.1. The Board of Studies in Physical Education proposed the following course

An open course in 'Yoga – A Path to Holism in Life'. The duration of the course is 72 hours and credit three.

5.2. The newly constituted Board of Studies for Holistic Education proposed an open-course (already submitted and approved earlier) - 'Learning to Live Together - Insights from Inter-Religious Scriptural Study'. The course is for 72 hours and carries three credits

The Academic Council approved these proposals.

The secretary of the Academic Council, Dr. K.V. Raju proposed the vote of thanks and the meeting came to an end by 12.30 pm.



Handwritten signature of Dr. Johnson X Palackappan
Principal
Handwritten signature of Dr. Jose John
Principal in Charge
Sacred Heart College (Autonomous)
Thevara, Kochi-682 013