



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamilnadu, India.

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KARPAGAM
ACADEMY OF HIGHER EDUCATION

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(Established Under Section 3 of UGC Act, 1956)

This is to certify that the enclosed pages (2 to 112) consist of the minutes of the meeting of the Board of Studies conducted during the year 2016 – 2017

Year	2016 -2017
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REGISTRAR

Karpagam Academy of Higher Education
(Deemed to be University Under Section 3 of UGC Act 1956)
Pollachi Main Road, Eachanari Post,
Coimbatore - 641 021.



ACADEMY OF HIGHER EDUCATION

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KARPAGAM ACADEMY OF HIGHER EDUCATION

COIMBATORE – 641021

Members of the meeting of the board of studies in Astrology held on 07.04.2016 at 10:30 am.

Members present:

1. Dr. K.P. Vidhyadaran
2. Dr. V. Jayabal
3. Dr. S. Palanisamy
4. Dr. S.N. Sivanandhan
5. Dr. E. Saravanan
6. Dr. Lakshmi .V

The Chair person welcomed the members of the board. The board scrutinized the draft Syllabus/ Syllabi and after detailed discussion the following resolutions were passed.

Agenda – 1

To consider and approve the Regulations and Syllabus for M.Sc Applied Astrology programs.

Resolution : 1

Resolved to approve the Regulation and Syllabus for M.Sc Applied Astrology programme and comes in to effect from 2016- 2017 (Approved Syllabus given in Annexure – II)

Semester I

Paper I → Fundamentals of Astrology

For all the units content were added and modified , 3rd unit was combined with 4th unit and a new 4th unit was made and named as History of western Astrology.

In Paper 2 -> Planets in Astrology

New content added, more new reference were added.

In Paper 3-> Horary Astrological methods I

New content added and modified, Pancha pakshi method was added to 5th unit.

In Paper 4 -> Rasi – Bhava – Star Constellations - II

Content added and modified, 3rd unit was combined with 2th unit and a new 3rd unit was formed -> yogas – Solar and lunar combination yogas, etc.

In Paper 5.1 -> Numerology (elective)

Paper 5.2 -> Fundamentals of Vasthu (elective)

Paper 5.3 -> Samuthrika Lakshanam (elective)

For the above three papers content were added and modified, 4th and 5th units were wrapped and new topics were chosen like 4) Predictions based on Ashtavarga and 5) Predictions based on Shad bala.

In Paper 6 -> Predictive methods in Astrology - I

2nd unit was made as Prediction of education of the native.

3rd unit as life style and family welfare effects of horoscopes of natives.

5th unit was kept as the same with Dik bala prediction

In Paper 7 -> Practical – I

Content added and modified.

Semester II

In Paper 8 -> Fundamentals of Astrology - II

3rd and 4th units were combined

5th unit becomes the 4th unit

5th unit as transit effects of Jupiter and Saturn

In Paper 9 -> Planets in Astrology - II

1st unit - Educational prediction by Prasna method

2nd unit – Professional prediction by Prasna method

3rd unit is the first unit of Paper 9

4th unit is the 2nd unit of Paper 9

5th unit is the 4th unit of Paper 9

In Paper 10 -> Horary Astrological methods - II

1st and 2nd units are combined

3rd unit is the second

4th and 5th unit remain the same

In Paper 11 -> Rasi - Bhava – Star Constellations – II

In Paper 12.1 -> Gemology (elective)

In Paper 12.2 -> Modern Vasthu (elective)

In Paper 12.3 -> Palmistry (elective)

In Paper 13 -> Predictive methods in Astrology

In Paper 14 -> Practical – II

In all the above papers the content was altered

New reference books were added

Semester III

In Paper 15 -> Modern Astrological methods

In Paper 16 -> Muhurtha in Astrology

In Paper 17 -> Medical Astrology

In Paper 18-> Casting Astrology

In Paper 19 -> Dasabukthi Predictions

In Paper 20.1 -> Thajigam (elective)

In Paper 20.2 -> Astavargam (elective)

In Paper 20.3 -> Predictions through 16 Varga Chakras (elective)

In Paper 21 -> Practical - I

Content of all the above papers were modified and the average percentage content change is 42%

In M.Sc II year Paper 4 instead of Ashta Varga (5th unit). Determining of 12 bhavas by trigonitha and Ephemeris was added.

Ph.D. and M.Phil. theory papers as follows:

Subject Code : 16RAS101 - Research Methodology and Pedagogy

Subject Code : 16RAS201 - Prediction Astrology

Subject Code : 16RAS301 - Special Paper - History of Astrology

Subject Code : 16RAS302 - Special Paper - Predictions in K.P method

Subject Code : 16RAS303 - Special Paper - Western Astrology

Subject Code : 16RAS304 - Special Paper - Marriage matching

Subject Code : 16RAS305 - Special Paper - Case studies in horoscopes

For all the papers content redrafted and reference books were added and the average percentage of content change is 28.6%

The meeting came to an end with a vote of thanks by chair.

KARPAGAM ACADEMY OF HIGHER EDUCATION
(Deemed to be University, established under section 3 of UGC Act 1956)

DEPARTMENT OF BIOCHEMISTRY

BOARD OF STUDIES (UG & PG – BIOCHEMISTRY) – 2016-2017

Minutes of the meeting of the Board of Studies in **Biochemistry** held on **30.03.2016, 09.30 am** at **Department of Biochemistry department (UG Lab)**, Karpagam Academy of Higher Education.

Members Present:

1. Dr. V.K. Gopalakrishnan
2. Dr. K. Devaki
3. Dr. K. Poornima
4. Dr. M. Sridhar Muthusami
5. Dr. Sulaiman C.T. (External expert)
6. Dr. P. Ragavendran (Alumni)
7. Dr. T.M. Simy (Student representative PG)
8. Ms. N. Pooja (Student representative UG)

Chairperson welcomed the members of the Board. The Board carefully scrutinized the drafted syllabus/syllabi of the following course:

- B.Sc., Biochemistry (2016 Batch)
- M.Sc., Biochemistry (2016 Batch)

Agenda: 1

To consider and approve the Regulations and Syllabus for **UG and PG Biochemistry**.

Resolution: 1

Resolved to approve the Regulations and Syllabus for **UG and PG Biochemistry**, programme and it comes into effect from 2016 (Approved changes in the syllabus is given in Annexure-I).

Agenda: 2

To consider and approve the Syllabus for Research Programmes in **Part I Biochemistry (M. Phil and Ph. D)**.

Resolution: 2

Resolved to approve Part I Syllabus for Research Programmes in **Biochemistry (M. Phil and**

Ph. D) and it comes into effect from 2016 without any changes.

Change in the syllabi (%)		
UG	PG	M.Phil/Ph.D
100%	17%	0%
<p>New syllabi as per the UGC have been adopted. Hence, all the courses and syllabus are considered as new. Total percentage of changes done = 100%</p> <p>The total number of course in the PG programme Biochemistry contains 29 courses. Total percentage of changes done = $501/29 = 17\%$.</p> <p>M.Phil /Ph.D Biochemistry: No changes made in the syllabi 0%.</p>		

ANNEXURE-I

The following corrections were carried out in the syllabus (UG and PG) M.Sc., Biochemistry

- ❖ In Chemistry of Biopolymers (16BCP101) Unit- I: dietary fiber and in Unit-II: protein function as defense, transport and enzymatic is included.
- ❖ In Enzymes and Microbial Technology (16BCP102) in Unit-II, Enzyme based diagnostic techniques is included.
- ❖ The course Bioinstrumentation (16BCP103) is renamed as Bioinstrumentation and Good Laboratory Practice. Unit I: FTIR, NIR and Raman Spectroscopy are included. Units I and II are merged. In Unit II the topics: ICPMS, LCMS are included. Since good laboratory management is essential for biochemistry students. In Unit IV Western blot: principles and applications are included. Unit V: New Unit: Good laboratory practices.
- ❖ The course Good laboratory management (15BCP204B) and Fermentation Technology (15BCP204C) has been removed

- ❖ In Plant Biochemistry (16BCP105A), in Unit-V, synthesis of secondary metabolites
Sikkinatic pathway & Glyco steroids are included.
- ❖ In Plant Tissue Culture (16BCP105B) , in Unit-I, allelopathic effect is included
- ❖ In Practical – II Plant Biochemistry and Microbiology (16BCP112) TLC-Bioautography for antioxidant /antimicrobial activity is included, and a new reference book (plant drug analysis by wagner) is included.
- ❖ In Regulation of Metabolic Pathway (16BCP201) in Unit II diabetes insipidus topic is included.
- ❖ The course Clinical Biochemistry and Endocrinology (15BCP302) is changed to Clinical Biochemistry (16BCP302). Unit IV and Unit V new contents included, (Oncology and Pathophysiology).
- ❖ **New course Endocrinology (16BCP203) has been introduced (New syllabus).**
- ❖ In Genomics and Proteomics (16BCP205C) in Unit-IV Proteomics in drug discovery is included.
- ❖ In Immunology (16BCP301), in Unit-V the technique CMIA (chemi microparticle immunosorbant assay) is included.
- ❖ In Chemistry of Natural Products (16BCP303) in Unit II and Unit III merged as Unit Unit III. New Unit I included new topics such as preliminary phytochemical analysis with standardization of herbal drugs, physiochemical analysis of drug.
- ❖ In Drug Biochemistry and Neurochemistry (16BCP304) in Unit-I Bioavailability of drug is included.
- ❖ In Biostatistics and Research Methodology (16BCP305A) in Unit-III, the topic F test is included.

B.Sc., Biochemistry

The syllabus recommended by UGC was followed from this academic year 2016-17 with minor modifications detailed below (All the courses are new)

- ❖ In Proteins (16BCU201) in Unit II, normal and reverse phase HPLC included.
- ❖ In Enzymes practicals V (16BCU212) coupled assay of Glucose-6-phosphate dehydrogenase is replaced with simple assay.
- ❖ In Tools and Techniques in Biochemistry practical (16BCU314A) instead of measurement of fluorescent spectrum, UV spectrum of compound is included.
- ❖ In Protein Purification Techniques (16BCU404B), in Unit III dialysis is included.
- ❖ In Gene Expression and Regulation practical (16BCU412), instead of practical – diauxic growth curve effect of inhibitors on protein synthesis and accumulation of protein due to proteosome inhibitor are replaced with Cdna synthesis, assessment of gene expression using RT-PCR and Lac operon were included.

- ❖ In Protein Purification Techniques-practical (16BCU414B) affinity chromatography is replaced with paper chromatography
- ❖ In Nutritional Biochemistry-practical (16BCU512B), Vitamin A/E estimation in serum is replaced with Vitamin A/E estimation in food items.
- ❖ In Plant Biochemistry practical (16BCU513A), separation of photosynthetic pigments by TLC is replaced with separation of plant pigments by TLC.
- ❖ In Molecular Basis of Infectious Diseases practical (16BCU514B), PCR based diagnosis may be treated as demo experiment.
- ❖ In Drug Biochemistry (16BCU603A) in Unit I, the topics Bioavailability and pharmacokinetics may be added.
- ❖ In Genetic Engineering and Biotechnology practical (16BCU611-A), hyper expression of poly histidine tag, recombinant protein purification is removed.
- ❖ Environmental Studies (2016-Batch) for Arts & Science UG students- In Unit - II effect of fireworks have been incorporated as per UGC.

**KARPAGAM ACADEMY OF HIGHER EDUCATION
DEPARTMENT OF BIOTECHNOLOGY**

**MINUTES OF THE MEETING OF BOARD OF STUDIES
2016 – 2017**

Minutes of the meeting of Board of studies in Biotechnology held on 28-03-2016 at 10:00am in the Department of Biotechnology, FASH at Karpagam Academy of Higher Education.

Members Present:

1. Dr. M. Manickam (Chair Person Head),
Professor & Head,
Department of Biotechnology,
Karpagam Academy of Higher Education,
Coimbatore 642 021.
2. Dr. D. Teepica Priya Darsini (Member Associate Professor),
Associate Professor,
Department of Biotechnology,
Karpagam Academy of Higher Education,
Coimbatore 641 021.
3. Dr. G. R. Prabu (Member Assistant Professor),
Assistant Professor,
Department of Biotechnology,
Karpagam Academy of Higher Education,
Coimbatore 641 021.
4. Dr. K. K Narayanan Ph.D (External Experts),
Managing Director,
Metahelix Life Sciences Ltd., (CIN: U73100Ka2000PLC028846)
3, KIADB 4th phase, Bommasandra,
Bangalore – 560099, Ph: 9845202721

5. Mr. M. Subhash kumar, (Alumni)
Executive quality controller,
Suguna food private Ltd., Sangaramanullur, N.G. pudur,
Vayalur, Madhathukukum, Tirupur
PH:9995403326,9497287906

6. Ms. Deepa.A (Student representation)
II M.Sc Biotechnology
Department of Biotechnology
Karpagam Academy of Higher Education,
Coimbatore – 641 021

7. Ms. Mathivadhani. S.M (Student representation)
III. B.Sc Biotechnology
Department of Biotechnology
Karpagam Academy of Higher Education, Coimbatore

8. Dr. A. Sangilimuthu,
Assistant Professor,
Department of Biotechnology,
Karpagam Academy of Higher Education,
Coimbatore 641 021.

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

1. To consider and approve the Regulations and Syllabus for **UG (B.Sc., Biotechnology)** programme.

Resolution: 1

1. Resolved to amend the corrections/ modifications and approve the Regulations and Syllabus for **UG (B.Sc., Biotechnology)** programme and it comes into effect from **2016-17** (Approved Regulations and Syllabus given in **Annexure-I**).

Agenda: 2

1. To consider and approve the Regulations and Syllabus for **PG (M.Sc., Biotechnology)** programme.

Resolution: 2

1. Resolved to amend the corrections/ modifications and approve the Regulations and Syllabus for **PG (M.Sc., Biotechnology)** programme and it comes into effect from **2016-17** (Approved Regulations and Syllabus given in **Annexure-II**).

Agenda: 3

1. To consider and approve the Regulations and Syllabus for **M.Phil/Ph.D., Biotechnology** programme.

Resolution: 3

1. Resolved to approve the Regulations and Syllabus for **M.Phil/Ph.D., Biotechnology** programme and it comes into effect from **2016-17** (Approved Regulations and Syllabus given in **Annexure-III**).

The carefully scrutinized the drafted syllabus/syllabi of the following courses.

1. UG Biotechnology
2. PG Biotechnology

Annexure – I

B.Sc (Biotechnology)

The following corrections and suggestions is included in B.Sc (Biotechnology) syllabus (2016-2017)

The expert members have suggested to include the following aspects in the curriculum

In regard to the syllabus for **B.Sc., Biotechnology** programme for the academic year 2016-2017 and based on the feedbacks received from the faculty members, panel members have suggested the following suggestions and corrections to include in the syllabus.

The UG curriculum was followed as per the UGC model curriculum for B.Sc Biotechnology

It includes core courses along with practical's, ability enhancement compulsory papers (AECC), four skill enhancement courses (SEC) and Department Specific Electives (DSE). Apart from this we have included two papers for Language-1. The total number of credits is 140. Choices have been provided with respect to Discipline specific electives and Skill Enhancement Courses.

The UG programme, B.Sc., Biotechnology consists of 65 courses, out of which four are language and other general courses. **There is an entire syllabus change as per the UGC guideline. Hence total change $61/61 \times 100 = 100\%$.**

All the above courses suggested in the UGC model curriculum (except the language courses) are new courses and the students after completion of the course will have a wider knowledge and the practical skills with the ability to get employment in Labs and various concerns.

1. 16BTU101- Biochemistry & metabolism
 - ✓ Photosystems – I, II to be included in any of the units
2. Skill Enhancement courses – Theory
 - ✓ Bioregulation
 - ✓ Bioinstrumentation
 - ✓ Livestock development
 - ✓ Climate changes

All the electives can be included. Application oriented papers can be included.

3. Animal Biotechnology (16BTU504A)
 - ✓ Animal diseases topic to be included.
4. Environmental Biotechnology (16BTU602B)
 - ✓ Waste management topic to be included.

Annexure – II

M.Sc (Biotechnology)

The following corrections and suggestions is included in M.Sc (Biotechnology) syllabus (2016-2017)

The expert members have suggested to include the following aspects in the curriculum and syllabus by matching with the current need of improvement and also the syllabus of all India level competitive examinations.

In regard to the syllabus for **M.Sc., Biotechnology** programme for the academic year 2016-2017 (III, IV semesters) and for the academic year 2015-2016, panel members have suggested the following suggestions and corrections to include in the curriculum and syllabus.

1. Students directed for /to have reading exercises. At PG, UG and assessment required (quiz), GD test.
2. In recombinant DNA technology course (16BTP201), the sequence analysis, SNP, NGS, Gene editing tool CRISPR may be included.
3. In fermentation Technology course (16BTP202), the FPLC, HPLC may include in downstream Process.
4. In – Plant Biotechnology core (16BTP301), ‘LIA Protein’ included instead of terminator seed technology.
5. Association mapping may be included to Genomic and proteomic course (16BTP304).
6. Haplo types may be included in Genomics and proteomic course suggested by the experts.
7. SYN1, SYN3, and molecular simulation may be in system biology suggested by the experts (16BTP305C).

The existing B.Sc Biotechnology (2014, 2015 batch) & M.Sc Biotechnology (2015 Batch) syllabus reviewed by the experts form that there is no corrections and modification required.

The PG programme, M.Sc., Biotechnology consists of 28 courses. There is a syllabi change in five courses and hence total change $5/28 \times 100 = 17.86\%$.

The PG Syllabi has framed and scrutinized with modification has a greater subject knowledge and will be strong in the Basics.

M.Phil/Ph.D., Biotechnology:

There is no change in the M.Phil and Ph.D syllabus.

The meeting came to an end with a vote of thanks by the Chair.

KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE 641 021

Minutes of the meeting of Board of Studies 2016-17

Minutes of the meeting of the **Board of Studies in Chemistry** held on 29th March 2016 at 10.00 am.

Members Present

- | | |
|--|----------------------------|
| 1. Dr.S.Ravi | Chairperson |
| Professor & Head,
Department of Chemistry,
Karpagam Academy of Higher Education,
Coimbatore-641021 | |
| 2. Dr.S.Muthusubramanian | External Member (Academic) |
| Professor
Department of Chemistry,
Madurai Kamaraj University,
Madurai. | |
| 3. Mr.Siva Shanmugam | External Expert (Industry) |
| Director,
M/S Polyhedron Pvt. Ltd.,
Erode | |
| 4. Dr.A.Thangamani | Member |
| Assistant Professor,
Department of Chemistry,
Karpagam Academy of Higher Education,
Coimbatore-641021 | |
| 5. Ms.R.Sharmila Devi | Member |
| Assistant Professor,
Department of Chemistry,
Karpagam Academy of Higher Education,
Coimbatore-641021 | |
| 6. Dr.K.Sundaram | Member |
| Assistant Professor,
Department of Chemistry,
Karpagam Academy of Higher Education,
Coimbatore-641021 | |
| 7. Dr.S.Venkatachalapathi | Member |
| Assistant Professor,
Department of Chemistry, | |

Karpagam Academy of Higher Education,
Coimbatore-641021

8. Mr.R.Ramesh	Alumni member
9. Ms.P.K.Aswini	Student Member
10. Ms.P.Kalaiarasi	Student Member

The Chairperson welcomed the members of the Board. The Board Carefully scrutinized the draft syllabus/syllabi of the following courses.

1. B.Sc Chemistry
2. M.Sc Chemistry

and approved the same

The Following changes are made in the existing syllabus considering the employability, entrepreneurship and skill development into consideration.

Agenda: 1

1. To consider and approve the Regulations and Syllabus for B.Sc Chemistry Programme.

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for B.Sc Chemistry programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).

Annexure-I

The syllabus suggested by the UGC (Choice Based Credit System) for the B.Sc Chemistry Programme was prepared, discussed and approved in the Meeting

It includes twelve core courses along with practical's, two ability enhancement compulsory papers(AECC), four skill enhancement courses(SEC) and six Department Specific Electives(DSE). Apart from this we have included two papers for Language-1. The total number of credits is 140. Choices have been provided with respect to Discipline specific electives and Skill Enhancement Courses.

All the above courses suggested in the UGC model curriculum (except the language courses) are new courses.

Agenda: 2

To consider adoption of the curriculum of M.Sc Programme for Chemistry from the academic year 2016-17.

Resolution: 2

Resolved to approve the adoption of the curriculum of M.Sc Programme for Chemistry from the academic year 2014-15 (Approved Regulations and Syllabus given in Annexure-II).

Annexure-II

1. In the Semester I, an elective paper was introduced with three choices
 - a. Green Chemistry(16CHP105A)
 - b. Medicinal Chemistry (16CHP105B)
 - c. Molecular Modelling and Drug Design (16CHP105C)
2. The course Green and Medicinal Chemistry (15CHP105) was removed to accommodate the elective paper. By introducing the elective paper the choice of courses available to the student increases.
3. The Open elective course entitled 'Chromatographic Techniques' (15OEP201) in the second semester replaced by one more core course 'industrial chemicals and environment' and the syllabus for the course was made.
4. The existing course Polymer and Nano Chemistry (15CHP304) was replaced by a course on Nano Chemistry(16CHP304) . The Polymer Chemistry was added as an elective paper. The change has been made to increase the content of the courses.
5. In the second semester and third semester two elective papers were retained with the following choice of courses

Elective II

- a. Research Methodology in Chemistry(16CHP205A)
- b. Analytical Chemistry (16CHP205B)
- c. Organometallic Chemistry (16CHP205C)

Elective III

- a. Polymer Chemistry (16CHP305A)
 - b. Textile Chemistry(16CHP305B)
 - c. Advanced Coordination Chemistry (16CHP305C)
6. In the first Semester Organic Chemistry paper I (15CHP101) in the Unit III Vilsmeier-Haack Reaction was added. In the Organic Chemistry II (15CHP201), in the Unit I Hoffmann Rearrangement was added and in Unit IV Di-Pi methane rearrangement was added. In Organic Chemistry Paper III (15CHP301) in Unit II Ozone and diborane reagents were removed(being older reagents) and instead two recent reagents dimethyl sulfoxide and Trimethyl silyl iodide have been added.
 7. As suggested by the student representatives, Molecular docking studies was added in the medicinal chemistry paper
 8. As suggested by the alumni, Computer aided chemistry was added in the paper Molecular Modelling and Drug design(elective 1).

Programme:

The UG programme for B.Sc Chemistry consists of 65 courses out of which 3 are languages. There is a syllabus change in 63 courses and hence total change = $63/63 * 100 = 100\%$

PG Programme

The PG programme for M.Sc Chemistry consists of 27 courses. There is a syllabus change in 7 courses and hence total change = $7/27 * 100 = 25.9\%$

KARPAGAM ACADEMY OF HIGHER EDUCATION

Department of Commerce

Minutes of the Meeting of Board of Studies 2016-17

Minutes of the meeting of the Board of Studies in Commerce held on 28.03.2016 at 10.30 a.m.

Members Present

1. Dr.K.Kumuthadevi
2. Dr.S.Renugadevi
3. Dr.A.Sumathi
4. Dr.R.Velmurugan
5. Mrs.N.Kothainayaki
6. Dr.S.Hemalatha
7. Mrs. W. Saranya
8. Dr.R.Vinayagamoorthy
9. Mr.G.Balasubramaniam
10. Mr.V.Viswanathan
- 11.Ms. S. Iswariya (14CMP005)
- 12.Ms. P. Jothi (13CMU014)

Agenda: 1

To consider and approve the Regulations and Syllabus for B.Com, B.Com (CA), B.Com (PA) and B.Com (BPS)programme.

Resolution: 1

Resolved to approve the Regulations and Syllabus for B.Com, B.Com (CA), B.Com (PA), B.Com (BPS)programme and it comes into effect from 2018-19 (Approved Regulations and Syllabus given in Annexure-I).

Agenda: 2

To consider and approve the Regulations and Syllabus for M.Com (CA) programme.

Resolution: 2

Resolved to approve the Regulations and Syllabus for M.Com (CA) programme and it comes into effect from 2018-19 (Approved Regulations and Syllabus given in Annexure-II).

Agenda: 3

To consider and approve the Regulations and Syllabus for M.Phil.and Ph.D. programme.

Resolution: 3

Resolved to approve the Regulations and Syllabus for M.Phil.and Ph.D. programme and it comes into effect from 2018-19 (Approved Regulations and Syllabus given in Annexure-II).

Annexure I

The following changes are made in the existing syllabus.

B.Com.

- ❖ The entire UGC syllabus has been incorporated for B.Com. Programme for the academic year 2016-17
- ❖ All the above courses suggested in the UGC model curriculum (except the language courses) are new courses.
- ❖ All the courses are oriented towards employment, entrepreneurship and skill development.
- ❖ The Board has approved the same and it has given the following suggestions.
 - 1) Separate reward may be maintained by the students for assignments apart from class work note
 - 2) Execution of accounts through Tally software may be incorporated for financial accounting in the first semester
 - 3) Non-lab courses for business law papers like case studies may be included
 - 4) Due to more number of practical papers have been included in the curriculum, the Board suggests to withdrawn the project work in the final year

UG Programme:

The UG programme of B.Com. consists of 44 courses out of which 8 are languages and general courses. There is a syllabus change in 36 courses and hence total change = $36/36 \times 100 = 100\%$

B.Com. (CA)

The following changes can be made as given below

S. NO	NAME OF THE COURSE	UNITS REPLACED
SEMESTER - III		
1.	Corporate Accounting	Unit IV & V
2.	Object oriented Programming C++	Unit V
SEMESTER – IV		
3.	Cost Accounting	Unit II, IV & V
SEMESTER - VI		
4.	Internet and Web Designing	Unit V
5.	Indian Economy	Unit III, IV & V
6.	Cyber Crimes and Laws	Unit III & V

- ❖ Introduced Financial Accounting (Practical), Introduction to Information Technology, Introduction to Information Technology (Practical), Business Communication in the First semester.
- ❖ Introduced Business Law and Business Law (Practical) and Environmental Studies in the Second semester.
- ❖ Introduced Corporate Accounting (Practical) in the Third semester.
- ❖ Introduced Cost Accounting (Practical), Database Management system (Practical), Stock market investment and Income tax in the Fourth semester.
- ❖ Introduced Entrepreneurship and Principles of Micro Economics and advertising in the Fifth semester.
- ❖ Fifth semester: Software Development with Visual Basic- syllabus fully changed except introduction in unit-1.
- ❖ Introduced International business, Office Management and Secretarial Practice, Banking and Insurance, Personal selling and Salesmanship in the sixth semester.
- ❖ All the courses were focussed towards employment, entrepreneurship and skill development.
- ❖ **Overall changes made approximately 68%.**

B.Com. (Professional Accounting)

- ✓ B. Com (PA) Semester I, Courses: Financial Accounting standards theoretical aspects will be considered in Unit V.
- ✓ In B. Com (PA) Semester I course: Business Law, Banking Regulation Act have included in Unit II. In Unit III Certain of Agencies have included.
- ✓ In B. Com (PA) Semester IV course: Company Law and secretarial Practice, E – Commerce and Ministry of Corporate Governance concept have included in Unit V
- ✓ In B. Com (PA) semester V Course: Applied Cost Accounting Preparation of sheet in terms with cost accounting standard included in Unit I.
- ✓ In B. Com (PA) semester V course: Banking and Insurance, power, function and Role of RBI have included in Unit I. In Unit II prevention of Money Laundering Concepts have included.
- ✓ In B. Com (PA), Semester VI, Course: Investment management, BSE Concept have included in Unit II
- ✓ In B.. Com (PA) Semester VI, Course, International Business, FEMA Act, 1999 have included in Unit V

The UG programme of B.Com. PA consists of 32 courses out of which 6 are languages and value-added courses. There is a syllabus change in 8 courses and hence total change = $8/32 * 100 = 25\%$

B.Com. (Business Process Services)

The UG programme of (B. Com BPS) consists of 38 courses out of which 6 are languages and general courses. **All 32 New Courses are introduced in this Academic Year.**

Annexure II

M.Com. and M.Com. (CA)

PG Programme:

- ❖ The Board has approved the syllabus and gave the following suggestions
 - 1) The syllabus of NET / SET examinations may be adopted for M.Com and M.Com. (CA) courses
 - 2) In the Advanced Corporate Accounting, Environmental Accounting, Green Accounting and Human Resource Accounting may be included in the fifth unit
 - 3) Commerce and Accounts for competitive examinations papers may be included in the PG Curriculum

The PG programme of M.Com. and M.Com. CA consists of 29 courses. There is a syllabus change in 1 course and hence total change $= 1/29 * 100 = 3.45\%$

Annexure - III

M.Phil / Ph.D (Commerce) (2016 Batch)

- ❖ No Changes in the Syllabi

The meeting came to an end with a vote of thanks by the chair.

KARPAGAM ACADEMY OF HIGHER EDUCATION

Department of Commerce

Minutes of the Meeting of Board of Studies 2016-17

Minutes of the meeting of the Board of Studies in Commerce held on 13.06.2016 at 3.00 p.m.

Members Present

1. Dr.K.Kumuthadevi
2. Dr.A.Sumathi
3. Dr.K.Jothi
4. Dr.R.Velmurugan
5. Mr.K.Manickam
6. Mr. MuraliChellappa
7. Dr.M.Selvarani
8. Dr.S.Karthik
9. Dr.C.Sankar

B.Com. (Business Process Services)

Annexure

The UG programme of (B. Com BPS) consists of 38 courses out of which 6 are languages and value-added courses. **All 32 New Courses are introduced in this Academic Year.**

The chairperson welcomed the members of the Board of Studies. The board carefully scrutinized the draft syllabus of:

1. B.Com. (BPS).
2. Value Added Course: Insurance for Business Process Service

The Board has approved the same, and it has given the following suggestions,

- ❖ The board is recommended to include outsource needs and domain mix topic in Business organization and management in Semester I
- ❖ Business Law practical is removed instead MS office can be added
- ❖ It recommended to include topic of RTI Act and Negotiable Instrument Act in Business Law
- ❖ Income Tax Law and Practice course is removed as Taxation
- ❖ In Taxation course, first three units are allotted for Income Tax and rest of two units for Indirect Taxes namely Service Tax, Customs Duty and Excise duty
- ❖ In 6th Semester Cost Accounting course is replaced as Cost and Management Accounting. Here cost accounting two units and rest of 3 units are allotted for Management Accounting

- ❖ Corporate law course is to be introduced instead of Principles of Marketing in 5th Semester
- ❖ In 5th semester, Principles of Micro Economics course may be removed
- ❖ Campus to Corporate course may be shift from VI semester to V Semester. In 6th Semester, Management Economics course can be incorporated instead of Indian Economy
- ❖ Managerial economics course consists of 3 units micro economics and 2 units macro economics
- ❖ Financial Management course may be introduced of Management Accounting in 6th Semester

The meeting came to an end with a Vote of Thanks by the chair.

Signature of the Members



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamilnadu, India.

Phone : 0422 - 2980011 - 14, 6471113, 14 | Fax : 0422 - 2980022-23 | Email : info@karpagam.com

BOARD OF STUDIES 2016-2017

Minutes of the Meeting of Board of Studies in Computer Application held on 02.04.16

Members Present:

1. Mr.D.Sathya Srinivas
2. Dr.X.Agnies Kalarani
3. Dr.K.Thilagam
4. Dr.S.Sheeja
5. Mrs.G.Anitha

EXTERNAL MEMBERS

6. Dr.A.ArunKumar Thangavel, Professor, School of Computer Science and Engineering, Vellore Institute Of Technology(Deemed University) Vellore.

Phone No:9994626191,email_id:arunkumar.thangavelu@gmail.com.

7. Mr.D.Balamurugan,Senior Project Manager, Polaris 34,IT Highway,Chennai_603103,

Phone No:9842857772,9840857772, email_id:balapm2011@gmailcom.

ALUMINI

8. Mr.V.Sanjith Kumar, Senior Software Engineer, Access Design Solution Pvt.Ltd,#3792,13th Cross, Banasankari 2nd Stage,Bangaluru_560 082.

STUDENT REPRESENTATIVES

9. Mr.S.Deepak(14LCAP002),III MCA
10. Ms.S.Srinithi(13CAU043),III BCA

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus/syllabi and after detailed discussion the following resolutions were passed.

Agenda 1:

1. To consider and approve the Regulations of the Syllabus for the following UG Programmes
 - i. BCA

Resolution 1:

1. Resolved to approve the regulations and syllabus for the following UG Programme and it comes into effect from 2016 to 2017 (Approved regulations and syllabus given Annexure-I.
 - i. BCA

Agenda 2:

1. To consider and approve the Regulations of the Syllabus for the following PG Programmes
 - i. MCA

Resolution 2:

1. Resolved to approve the regulations and syllabus for the following PG Programme and it comes into effect from 2016 to 2017 (Approved regulations and syllabus given Annexure-II.
 - i. MCA

BCA Degree Programme:

The following changes have been made:

Semester-I :

The content of Language I course may be revised.

The following courses may be removed from the syllabus

- ✓ English-1
- ✓ Fundamentals of Computer and Programming in C

- ✓ Programming in C Lab
- ✓ Allied - 1 : Digital Electronics
- ✓ Allied - 1 : Practical - Digital Electronics Lab
- ✓ Foundation Course - A (Value Education)
- ✓ Soft Skill Development -I

The following courses may be added.

- ✓ Programming Fundamentals using C / C++
- ✓ Computer System Architecture
- ✓ Introduction to Information Technology
- ✓ Programming Fundamentals using C / C++ (Practical)
- ✓ Computer System Architecture (Practical)
- ✓ Introduction to Information Technology (Practical)

Semester-II:

The content of Language II course may be revised.

The following courses may be removed from the syllabus.

- ✓ Object Oriented Programming with C++
- ✓ Object Oriented Programming with C++ Lab
- ✓ Statistical Methods
- ✓ Basic Accounting
- ✓ Statistical Methods Lab
- ✓ Tally Lab
- ✓ Soft Skill Development -I

The following courses may be added.

- ✓ Discrete Structures
- ✓ Discrete Structures (Practical)

Semester III:

The content of the Datastructures and algorithms may be revised and the course name may be renamed as Datastructures.

The operating system course content may be revised.

The following courses may be removed.

- ✓ English-3
- ✓ Relational Database Management Systems
- ✓ Relational Database Management Systems Lab
- ✓ Numerical Methods
- ✓ Ethical Hacking
- ✓ MongoDB
- ✓ Soft Skill Development -II

The following courses may be added.

- ✓ Computer Networks
- ✓ Android Programming
- ✓ Struts Framework
- ✓ Data Structures (Practical)
- ✓ Operating Systems (Practical)
- ✓ Computer Networks (Practical)
- ✓ Android Programming (Practical)
- ✓ Struts Framework (Practical)

Semester IV:

The following courses may be removed from the syllabus.

- ✓ English – 4
- ✓ Programming in VB.NET
- ✓ Programming in VB.NET Lab
- ✓ Electronic Communication Systems
- ✓ Operation Research
- ✓ Banking Practices
- ✓ Soft Skill Development –II The

following courses may be added.

- ✓ Database Management Systems
- ✓ Web Programming
- ✓ R Programming
- ✓ Database Management Systems (Practical)
- ✓ Web Programming (Practical)
- ✓ R Programming (Practical)
- ✓ Software Testing (Practical)
- ✓ Software Engineering (Practical)

Semester V

The content of Programming in Java Theory and lab courses may be revised and moved to Semester II.

The cloud computing course content may be revised and moved to Semester VI.

The following courses may be removed.

- ✓ Data Communication Networks

- ✓ Computer Graphics and Animation
- ✓ Enterprise Information Technologies
- ✓ E-Commerce

The following courses may be added.

- ✓ Oracle (SQL/PL-SQL)
- ✓ Programming in Python
- ✓ Information Security
- ✓ Data Mining
- ✓ Microprocessor
- ✓ Digital Image Processing
- ✓ Oracle (SQL/PL-SQL) Practical
- ✓ Programming in Python Practical
- ✓ Information Security Practical
- ✓ Data Mining Practical
- ✓ Microprocessor Practical
- ✓ Digital Image Processing Practical
- ✓ Open Source Technologies Practical

Semester VI :

The content of Software Engineering and Software Testing courses may be revised and moved to Semester IV.

The Script Language Theory and Lab courses may be moved to Semester II.

The following courses may be removed from the syllabus.

- ✓ Object Oriented Analysis and Design
- ✓ Multimedia Systems

- ✓ Advanced Java Programming
- ✓ Advanced Networking
- ✓ Distributed Database Management System
- ✓ Advanced Operating System

The following courses may be added.

- ✓ PHP Programming
- ✓ Unix / Linux Programming
- ✓ Database Administration
- ✓ System Programming
- ✓ PHP Programming (Practical)
- ✓ Unix / Linux Programming (Practical)
- ✓ Cloud Computing (Practical)
- ✓ Database Administration (Practical)
- ✓ Big Data Analytics (Practical)
- ✓ System Programming (Practical)

The UG programme, BCA consists of 65 courses in which 49 are new courses and there is a syllabi changes in 8 courses. The total change is 85 %

MCA Degree Programme:

The following changes have been made:

Semester I:

The course Software Engineering has been removed.

The following Courses has been added:

- Information Technology
- Information Technology Lab
- Introduction to management function
- Tally lab

Semester II:

The following subject has been removed.

- ✓ Visual Programming
- ✓ Computer Graphics
- ✓ Operation Research
- ✓ Visual Programming Lab

The following Courses has been added:

Information system Analysis, Design and Implementation

Probability and Combination

Semester III:

The following subject has been removed.

- ✓ Agent Technology
- ✓ Client Server Techniques
- ✓ Introduction to software Architecture
- ✓ Web technology
- ✓ Multimedia using Flash
- ✓ Mobile Operating System
- ✓ Web Technology lab

The following Courses has been added:

- ✓ Statistical Computing
- ✓ Management Support System

Semester IV:

The following subject has been removed:

- ✓ Data Structures and Algorithms
- ✓ Wireless Application Protocol
- ✓ Ad Hoc and Sensor Networks

The following Courses has been added:

- ✓ Organization behavior
- ✓ Managerial Economics

Semester V:

The following subject has been removed:

- ✓ Cloud Computing
- ✓ Wireless Communication System
- ✓ ATM Networks
- ✓ Communication Lab

The following Courses has been added:

- ✓ Optimization Technique
- ✓ Cooperate Planning
- ✓ MIS Framework
- ✓ MIS Framework lab
- ✓ Taxation Practices

The PG programme, MCA consists of 66 courses in which 15 are new courses and there is a syllabi changes in 9 courses. The total change is 33 %

Remarks:

Substantial changes in the content have been brought in all the BCA and MCA courses in consonance with changes taking to the respective field and fact. These courses are tantamount to new courses. All the courses in all programmms focus on employability, entrepreneurship and skill development.

**KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021**

Minutes of the meeting of the Board of Studies in Computer Science held on 26.3.16 at 10.00 am / ~~pm~~ in the Department of Computer Science, at Karpagam Academy of Higher Education.

Members Present:

1. Dr.S.Veni

Professor & Head,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore – 641 021.

Chairperson

2. Dr.S.Manju Priya,

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

3. D.Sampath Kumar

Associate Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

4. K.Banuroopa

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

5. M.MohanKumar

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

6. Dr.V.Palanisamy

Prof. & Head,
Department of Computer Science,
Alagappa University
Karaikudi

Member (External)

7.Mr.Felix

Project Manager

CG-VAK,

Mettupalayam Road,

Coimbatore

Mobile: 9894024729

E-Mail: felix@cgvakindia.com, psfelix@gmail.com

Member (Industry)

8. Reuben A.S

Software Engineer,

Wipro Limited

Bangalore

Mob: 8904740426

E-Mail: reuben.as3@wipro.com

Member(alumini)

9. Mounica.S (13CSU071)

III B.Sc(Computer Science)- B

Karpagam Academy of Higher Education

Coimbatore – 641021

Mobile : 9750898788

E-Mail:

Student Representative – UG

10. Gayathri .K (14CSP003)

II M.Sc(Computer Science)

Karpagam Academy of Higher Education

Coimbatore – 641021

Mobile : 9715284187

Student Representative – PG

E-Mail: gayathridhaya@gmail.com

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

1. To consider and approve the Regulations and Syllabus for B.Sc Computer Science UG programme.

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for following B.Sc Computer Science UG programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).

Agenda: 2

1. To consider and approve the Regulations and Syllabus for M.Sc Computer Science PG programme.

Resolution: 2

Resolved to approve the Regulations and Syllabus for M.Sc(CS) PG programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-II).

Agenda: 3

To consider and approve the Regulations and Syllabus for M.Phil and Ph.D programme in Computer Science

Resolution: 3

Resolved to approve the Regulations and Syllabus for M.Phil and Ph.D programme in Computer science and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure).

The meeting came to an end with a vote of thanks by the chair.

B.Sc(Computer Science)

The UG programme, B.Sc., Computer Science consists of 64 courses, out of which four are language course. . The entire syllabus is changed to follow UGC guidelines with CBCS and hence total change is 100 %.

M.Sc(Computer Science)

The Following new courses have been introduced.

1. Oracle 10G Administration

2. Oracle 10G Administration - practical
3. Introduction to Software Architecture

The PG programme, M.Sc., Computer Science consists of 28 courses in which 3 are new courses. The total change is 11 %.

M.Phil / Ph.D (Computer Science)

There is no change in the syllabus.

Remarks:

Substantial changes in the content have been brought in **BSc [Computer Science]** in consonance with changes taking to the respective field and in fact. These courses are tantamount to new courses. All the courses in all programmes focus on employability, entrepreneurship and skill development.

**KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE
DEPARTMENT OF ELECTRONICS AND COMMUNICATION SYSTEMS**

Minutes of the Meeting of the Board of Studies in Electronics and Communication Systems held on 28/3/2016 at 10.30 am in the Department of Electronics and Communication Systems at Karpagam Academy of Higher Education.

Members Present:

1. Dr. R. Saira Banu

Chair Person

Associate Professor & Head, Dept of ECS,
Karpagam Academy of Higher Education
Coimbatore – 641021

2. Dr. R. Prema

Member (Internal)

Associate Professor, Dept of ECS,
Karpagam Academy of Higher Education
Coimbatore – 641021

3. Mr. M. Selvam

Member (Internal)

Assistant Professor, Dept of ECS,
Karpagam Academy of Higher Education
Coimbatore – 641021

4. Dr. K. G. Padmasine

Member (Internal)

Assistant Professor, Dept of ECS,
Karpagam Academy of Higher Education
Coimbatore – 641021

5. Dr. K. Vasudevan

Member (External)

Prof. and Head, Dept. of Electronics,
Cochin University of Science and Technology
Cochin-Kerala.

6. Mr.P.Dineshkumar

Member (Industry)

Project Manager

Robert Bosch Engineering and Business Solution Limited,

Coimbatore – 641021

7. Ms.K.S.Selva Prabha

Member (Alumni)

Tester and Developer

Wipro Technologies

Cochin,Kerala. (Alumni)

8. V.Arunkumar

Student Representative - PG

II M.Sc ECS, Dept. of ECS

Karpagam Academy of Higher Education

Coimbatore – 641021

9. Jenish Virgil .A

Student Representative - UG

III B.Sc. ECS, Dept. of ECS

Karpagam Academy of Higher Education,

Coimbatore

The chairperson welcomed the members of the Board. The board carefully scrutinized the draft syllabus/syllabi and after detailed discussion the following resolutions were passed.

Agenda : 1

1.To consider and approve the Regulations and Syllabus for B.Sc Electronics and Communication Systems UG Programme.

Resolution: 1

Resolved to approve the Regulations and Syllabus for following B.Sc Electronics and Communication Systems UG Programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).

Agenda: 2

1.To consider and approve the Regulations and Syllabus for M.Sc Electronics and Communication Systems PG Programme.

Resolution: 2

Resolved to approve the Regulations and Syllabus for M.Sc Electronics and Communication Systems, PG Programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-II).

Agenda: 3

To consider and approve the Regulations and Syllabus for M.Phil and Ph.D Programme in Electronics

Resolution: 3

Resolved to approve the Regulations and Syllabus for M.Phil and Ph.D Programme in Electronics and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure).

The meeting came to an end with a vote of thanks by the chair.

B.Sc Electronics and Communication Systems

The UG programme, B.Sc Electronics and Communication Systems consists of 64 courses, out of which four are language course. **The entire syllabus is changed to follow UGC guidelines with CBCS and hence total change is 100%.**

M.Sc Electronics and Communication Systems

The following new courses have been introduced

- 1. High Performance Computer Networks**
- 2. Biomedical Instrumentation**

The PG Programme, M.Sc Electronics and Communication Systems consists of 28 courses in which 2 are new courses. The total change is 11%

M.Phil /Ph.D (Electronics)

↗ Biomedical Instrumentation and Nano Science and Technology are added as new courses.

The M.Phil /Ph.D (Electronics) programme consists of 9 courses in which no changes were made.

Remarks:

Substantial changes in the content have been brought in BSc [Electronics and Communication Systems] in consonance with changes taking to the respective field and in fact. These courses are tantamount to new courses. All the courses in all programmes focus on employability, entrepreneurship and skill development.

KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021
MINUTES OF THE MEETING OF BOARD OF STUDIES 2016

Minutes of the meeting of the Board of Studies in English held on 29-03-2016 at 11.00 am in the Department of English at Karpagam Academy of Higher Education.

Members Present:

1. Dr.V.Prem Kumar
2. Dr.N.Asharudeen
3. Dr.S.Selvalakshmi
4. Ms.Jesbir.R
5. Dr.M.R.Kubendran
6. Mr.Mangalaprataban

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

1. To consider and approve the Regulations and Syllabus for Part II – English

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for Part II – English. (Approved Regulations and Syllabus given in Annexure-I).

Agenda: 2

1. To consider and approve the Regulations and Syllabus for M.Phil. and Ph.D. programmes

Resolution:

1. Resolved to approve the Regulations and Syllabus for M.Phil. and Ph.D. programmes (Approved Regulations and Syllabus given in Annexure-I).

In M.Phil. and Ph.D. programmes , the syllabus has 86% of change.

The meeting came to the end with a vote of thanks by the Chair.

Karpagam Academy of Higher of Higher Education
(Deemed to be University)
(Established Under Section 3 of UGC Act 1956)
Coimbatore – 641 021

Minutes of the meeting of the Board of Studies in Computer Science, Computer Applications & Information Technology held on 2.4.2016 at 10.00 am / ~~pm~~ in the Department of CS, CA& IT at Karpagam Academy of Higher Education.

Members Present:

1. Dr.S.Veni

Professor & Head,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore – 641 021.

Chairperson

2. Dr.S.Manju Priya,

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

3. D.Sampath Kumar

Associate Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

4. K.Banuroopa

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

5. M.MohanKumar

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

6. Dr.V.Palanisamy

Prof. & Head,
Department of Computer Science,
Alagappa University
Karaikudi

Member (External)

7.Mr.Felix

Member (Industry)

Project Manager
CG-VAK,
Mettupalayam Road,
Coimbatore
Mobile: 9894024729
E-Mail: felix@cgvakindia.com, psfelix@gmail.com

8. Reuben A.S
Software Engineer,
Wipro Limited
Bangalore
Mob: 8904740426
E-Mail: reuben.as3@wipro.com

Member(alumini)

9. Mounica.S (13CSU071)
III B.Sc(Computer Science)- B
Karpagam Academy of Higher Education
Coimbatore – 641021
Mobile : 9750898788
E-Mail:

Student Representative – UG

10. Gayathri .K (14CSP003)
II M.Sc(Computer Science)
Karpagam Academy of Higher Education
Coimbatore – 641021
Mobile : 9715284187
E-Mail: gayathridhaya@gmail.com

Student Representative – PG

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

1. To consider and approve the Regulations and Syllabus for following UG programme.

- i. B.Sc Information Technology
- ii. B.Sc Computer Technology

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for following UG programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I)

- i) B.Sc(IT)
- ii) B.Sc(CT)

B.Sc Information Technology

The following changes have been made taking employability, entrepreneurship and skill development in to consideration.

- English II has been replaced as English.
- Environmental Studies has been moved from Semester II to Semester I.
- Data structures and Algorithms has been replaced as Data Structures.
- Numerical methods have been moved from Semester III to Semester VI.
- Java Programming and Java Programming Lab has been moved from Semester IV to Semester II.
- Discrete Mathematics has been moved from Semester IV to Semester II.
- The content of syllabus in Computer Networks is to be revamp and it is moved to Semester IV from V.
- The content of syllabus in Software Engineering is to be revamp, the topic performing User Interface Design has been removed and Risk & Quality Management has to be added.
- The entire content of the unit in Operating System has been changed.
- Following courses has been removed from the Syllabus
 - English -I, English -III
 - Soft Skill Development -I, Soft Skill Development -II
 - Core
 - Problem solving using C
 - Object Oriented Programming with C++
 - Web Technology
 - Oracle 10g Administration
 - Big Data Analytics
 - Intranet Technology
 - Artificial Intelligence & Expert Systems
 - Core Lab
 - C Programming Lab
 - C++ Programming Lab
 - Allied
 - Digital Electronics
- Parallel Programming
- Agile Software Development
- Information Security
- Wireless and Mobile Computing
- Mobile Application Development
- Advanced Computing Techniques

- Digital Electronics Lab

- Allied Elective I
 - Embedded systems -Embedded system lab
 - PC Hardware and troubleshooting -PC Hardware and Troubleshooting lab
 - Microprocessor and its Applications -Microprocessor and its Applications lab
- Allied Elective II
 - Operations Research
 - Statistical Methods

The following new courses have been introduced considering the local and global needs.

- | | |
|---|---|
| ○ Programming Fundamentals using C / C++ | ○ Programming with Visual Basic - Practical |
| ○ Computer System Architecture | ○ Internet Technologies _ Practical |
| ○ Developing Programming Logic and Techniques | ○ XML Programming - Practical |
| ○ Programming Fundamentals using C / C++ -Practical | ○ Computer Graphics |
| ○ Computer System Architecture - Practical | ○ Software Testing |
| ○ Office Automation - Practical | ○ Network Programming |
| ○ Fundamentals of Web Designing and Internet | ○ Machine Learning |
| ○ Discrete Structures - Practical | ○ Digital Image Processing |
| ○ Web Designing – Practical | ○ Computer Graphics - Practical |
| ○ Android Programming | ○ Software Testing - Practical |
| ○ Programming in MATLAB | ○ Network Programming -Practical |
| ○ Data Structures – Practical | ○ Machine Learning - Practical |
| ○ Operating Systems – Practical | ○ Digital Image Processing - Practical |
| ○ Android Programming – Practical | ○ PHP Programming |
| ○ Programming in MATLAB – Practical | ○ Unix / Linux Programming |
| ○ Programming with Visual Basic | ○ E-Commerce Technologies |
| ○ Internet Technologies | ○ Cloud Computing |
| ○ XML Programming | ○ System Programming |
| | ○ PHP Programming - Practical |
| | ○ Unix / Linux Programming - Practical |
| | ○ E-Commerce Technologies -Practical |
| | ○ Cloud Computing – Practical |
| | ○ Numerical Methods - Practical |
| | ○ System Programming - Practical |

The UG programme B.Sc IT consists of 65 courses in which 42 are new courses and the changes has been made in all the remaining 23 courses. The overall change is approximately 81 % .

B.Sc Computer Technology

The following changes have been made taking employability, entrepreneurship and skill development in to consideration.

- English II has been replaced as English.

- Environmental Studies has been moved from Semester II to Semester I.
- Algorithm analysis and data structure has been replaced as Data Structures.
- The content of the operating systems has been changed in the syllabus.
- .NET programming has been moved semester IV to semester V.
- VB.NET programming lab has been moved from semester IV to semester V.
- Advanced java programming with change of content has ben moved from semester V to semester II.
- Internetworking with TCP/IP has been moved from semester V to semester IV.
- Network Security has been renamed as Cryptography and Network Security and Moved to semester V from semesterVI.
- Following courses has been removed from the Syllabus
 - English -I, English -III
 - Soft Skill Development -I, Soft Skill Development -II
 - Core
 - Problem solving using C
 - Object Oriented Programming with C++
 - Relational database management system
 - Animation Techniques
 - Spatial Databases
 - Ethical Hacking
 - Web Technology
 - Virtual Reality and Virtual Environment
 - Satellite Communications
 - Geographical Information System
 - Real Time System Design
 - Cloud computing
 - Mobile Application Development
 - Object Oriented Software Engineering
 - Open source tools
 - Core Lab
 - C Programming Lab
 - C++ Programming Lab
 - RDBMS and Data structures Lab
 - OS and Network Lab
 - Allied
 - Digital Electronics - Digital Electronics Lab
 - Numerical methods
 - Allied Elective I
 - Embedded systems -Embedded system lab
 - PC Hardware and troubleshooting -PC Hardware and Troubleshooting lab
 - Microprocessor and its Applications -Microprocessor and its Applications lab
 - Allied Elective II
 - Operations Research
 - Statistical Methods
 - Discrete Mathematics

Open Elective:

Intranet Technology

The following new courses have been introduced based on the local and global needs.

- Programming Fundamentals using C/C++
- Computer System Architecture
- Developing Programming Logic and Techniques
- Programming Fundamentals using C / C++ -Practical
- Computer System Architecture - Practical
- Office Automation - Practical
- Discrete Structures
- Database Programming with Oracle(SQL and PL/SQL)
- Discrete Structures - Practical
- Database Programming with Oracle(SQL and PL/SQL) – Practical
- Programming with Visual Basic
- Computer Networks
- Android Programming
- Programming in MATLAB
- Programming with Visual Basic – Practical
- Computer Networks – Practical
- Android Programming – Practical
- Programming in MATLAB – Practical
- Software Engineering
- HTML Programming
- XML Programming
- Software Engineering - Practical
- HTML Programming - Practical
- XML Programming - Practical
- Software Testing
- Network Programming
- Introduction to Data Science
- Data Mining
- Digital Image Processing
- Multimedia and its Applications
- Cryptography and Network Security - Practical
- Software Testing - Practical
- Network Programming - Practical
- Introduction to Data Science - Practical
- Data Mining - Practical
- Digital Image Processing - Practical
- Multimedia and its Applications - Practical
- PHP Programming
- Unix / Linux Programming
- E-Commerce Technologies
- Cloud Computing
- Soft Computing
- System Programming
- PHP Programming - Practical
- Unix / Linux Programming - Practical
- E-Commerce Technologies - Practical
- Cloud Computing - Practical
- Soft Computing - Practical
- System Programming - Practical

The UG programme B.Sc CT consists of 65 courses in which 49 are new courses and the changes has been made in all the remaining 16 courses. The overall change is approximately 85 % .

Remarks:

Substantial changes in the content have been brought in both B.Sc IT and B.Sc CT program courses in consonance with changes taking to the respective field and in fact. These courses are tantamount to new courses.

**KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021**

Minutes of the Meeting of Board of studies 2016-2017

Minutes of the meeting of the Board of Studies in Management held on 29.03.2016 at 10.00 am in the
Department of Management at Karpagam Academy of Higher Education

Members Present

- | | |
|--|-------------|
| 1. Dr M Nandhini
Head (i/c)
Department of Management
Karpagam Academy of Higher Education
Coimbatore-641021 | Chairperson |
| 2. Dr. V. Krishnaveni
Assistant professor
Department of Management
Karpagam Academy of Higher Education
Coimbatore-641021 | Member |
| 3. Mrs M.Usha
Assistant professor
Department of Management
Karpagam Academy of Higher Education
Coimbatore-641021 | Member |
| 4. Mrs G.sumathi
Assistant professor
Department of Management
Karpagam Academy of Higher Education
Coimbatore-641021 | Member |
| 5. Dr.K.Malar Mathi
Professor
Bharathiar School of Management
Bharathiar University
Coimbatore 641 045 | Member |
| 6. Mr G Balasubramanian
Company Secretary
Roots Multilean Ltd
RKG Industrial Estate
Ganapthy
Coimbatore-641006.
Mobile: 9944400224
E-mail: gbalaa@gmail.com | Member |
| 7. Mr.Jithu Wilson
Sales Executive
Courtyard by Marriott Kochi Airport
And kochi Marriott Hotel | Member |

8. Ms.H.Prasanna
Register No. 13BAU012
III BBA
Department of management
Karpagam Academy of Higher Education

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda - 1

1. To consider and approve the Regulations and Syllabus for **BBA** Programme.

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for **BBA** Programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).

- ✓ In all the courses without changing the title of the course, substantial changes (20 to 30 percent change) have been made with respect to the content of the courses and all the courses are considered as new courses. In addition to this the following changes have been made
- ✓ All the courses were focused towards Employability, Entrepreneurship and Skill Development

Annexure-I

1. In the First Semester, Fundamentals of Management and Organizational Behaviour (16BAU101), Statistical Package using SPSS (16BAU112) and Business Communication (16AEC101) were the new courses introduced.
2. In the Second semester, Business Accounting (16BAU202) course was introduced.
3. In the Third semester, Principles of Marketing (16BAU301) course was introduced
4. In the Fourth semester, Business Research (16BAU401), Human Resource Management (16BAU402) and E – Commerce (16BAU411) were the new courses introduced.
5. In the Fifth semester, Investment Analysis and Portfolio Management (16BAU501A), Investment Banking and Financial Services (16BAU502B), Advertising and Brand Management (16BAU502A), Retail Management (16BAU502B), Entrepreneurship Development (16BAU504A) and Production and Operations Management (16BAU504B) were the new courses introduced.
6. In the Sixth semester, Management of Industrial Relations (16BAU601B), Global Business Environment (16BAU602A), International Trade Policy and Strategy (16BAU602A) and Taxation - II (16BAU603A) were the new courses introduced.

7. In the First semester, Fundamentals of Management and Organizational Behaviour course (16BAU101), in unit I, unit III, unit IV, unit V were replaced with Forms of Ownership, Importance of organizational behaviour, Perception, Groups and Teams, Conflicts and Organizational Change concepts respectively.
8. Statistics for Business Decisions (16BAU102) course, Measures of Central tendency concepts included in unit I.
9. In the II Semester, Managerial Economics (16BAU201) course, in unit I Theory of consumer behaviour and Market Equilibrium concept were included.
10. Business Accounting (16BAU202) course, in unit IV and V were totally replaced with Analyzing financial statements and Partnership accounts concept respectively
11. In the third semester, Principles of Marketing (16BAU301), course, in unit II Targeting and Positioning concept included and unit V were totally replaced with Marketing of services and E marketing concepts respectively
12. Management Accounting (16BAU302) course, in unit I Preparation of cost sheet in lieu with cost accounting standard were included.
13. Financial Management (16BAU303A) course, Time value of money and systematic and unsystematic concepts were included in unit I
14. In the Fourth semester, Business Research (16BAU401) course, in unit I Management decision problem Vs Market research problem and in unit IV Hypothesis concepts were included.
15. Human Resource Management (16BAU402) course, in unit I changing environment of HRM, in unit II HRIS and in unit V discipline concepts were included
16. In the Fifth semester, Investment Analysis and Portfolio Management (16BAU501A) course, in unit I Returns and Applications of Standard deviation and co efficient of variation and in unit V, CAPM Model, capital market line and security market line concepts were included.
17. Advertising and Brand Management (16BAU502A) course, in unit I AIDA, Action First Model and Planning framework of promotional strategy were included. unit V were totally replaced with Identifying and establishing brand positioning and values, brand a building and brand repositioning concept respectively
18. Entrepreneurship Development (16BAU504A) course, unit IV and V were totally replaced with Family business and entrepreneurship, managing leadership and encouraging change in the family business system, Financing the entrepreneurial business, arrangement of funds , Traditional source of financing and appraisal of loan application by the financial institution concepts respectively.
19. Retail Management (16BAU502B) course, in unit I Emerging trends in retailing and factors

behind the change of Indian retail industry and in unit III store planning, design and layout and location planning concepts were included.

20. In the Sixth semester, HRD: Systems and strategies (16BAU603A) course, in unit III, HRD Interventions, Integrated HRD Systems and staffing for HRD concepts were included.

and approved the same with necessary notification

The copy of approved syllabus is enclosed

The meeting came to an end with a vote of thanks by chair

UG Programme BBA consists of 39 courses out of which 8 are Language/English/Value added course. There is a syllabus change in 15 courses and hence total change = 38.91 %

KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641021

Minutes of the Meeting of Board of Studies 2016-17

Minutes of the meeting of the Board of Studies in Management held on 28.03.2016 at 10.30 am in the Department of Management at Karpagam Academy of Higher Education.

Members Present:

1. Dr.M.Ashok Kumar– Professor & Head - Chairperson
2. Dr.R.Karthikeyan– Associate Professor - Internal Member
3. Dr.A.Dharmaraj– Assistant Professor - Internal Member
4. Dr.K.GunaSundari– Assistant Professor - Internal Member
5. Ms.C.Sagunthala– Assistant Professor - Internal Member
6. Mrs.R.Preetha– Assistant Professor - Internal Member
7. Dr.E.Raja Justus- External Member
Professor (Finance)
School of Management
ManonmaniamSundaranar University, Tirunelveli
8. Mr.D.Rajesh Kumar- External Member
Manager (Marketing)
Indian Overseas Bank
SeerapalayamBranch, Coimbatore
9. Dr.M.Suryakumar - Alumni
Assistant Professor in Management
Periyar University, Salem
10. Ms.B.VidhyaPrabha- Student Representative
II MBA

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda - 1

1. To consider and approve the Regulations and Syllabus for MBA (General Management)MBA (Technology Management), MBA (Strategic Branding and Creative Management)andMBA (Financial Engineering) programmes.

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for MBA (General Management), MBA (Technology Management), MBA (Strategic Branding and Creative Management)andMBA (Financial Engineering) programmes and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).

Agenda: 2

To consider and approve the Regulations and Syllabus for MPhil/Ph.Din Management Programme for the Academic year 2016 - 2017

Resolution: 2

Resolved to approve the Regulations and Syllabus for MPhil/Ph.Din Management Programme and it comes into effect from 2016 - 2017 (Approved Syllabus given in Annexure - II).

- ✓ In all the courses without changing the title of the course, substantial changes (20 to 30 percent change) have been made with respect to the content of the courses and all the courses are considered as new courses. The courses considered to be new courses are Human Resource Management (16MBAP203), Service Marketing (16MBAPM303A), Human Resource Development (16MBAPH303A), Entrepreneurial Finance (16MBAPE303A), Entrepreneurship Development (16MBAPE303B) and Project management (16MBAPE303C).
- ✓ All the courses were focused towards employability, entrepreneurship and skill development.

Annexure I

The New Revised Curriculum Structure for MBA in 2016-17Batch consists of:-

- ✓ The courses in first semester includes Management Principles and Organizational Behaviour (16MBAP101), Managerial Economics (16MBAP102), Legal Environment for Business (16MBAP103), Accounting for Managers (16MBAP104), Quantitative Methods for

Management (16MBAP105), Management Practice – I (16MBAP106), Communication Practice – I (16MBAP107), Computer Lab – I (MS Office and Tally) (16MBAP111).

- ✓ The courses in second semester includes Operations Management (16MBAP201), Marketing Management (16MBAP202), Human Resource Management (16MBAP203), Financial Management (16MBAP204), Banking and Insurance Management (16MBAP205), Research Methodology for Management (16MBAP206), Management Practice – II (16MBAP207), Communication Practice – II (16MBAP208), Computer Lab – II (SPSS) (16MBAP211).
- ✓ The courses in third semester consists of Strategic Business Management (16MBAP301), Corporate Governance & Social Responsibility (16MBAP302), four Electives, Summer Internship & Viva Voce (16MBAP305), Management Practice – III (16MBAP306), Communication Practice – III (16MBAP307).
- ✓ The courses in fourth semester consist of four Electives and Major Project & Viva Voce (16MBAP402).
- ✓ Management practice I, II, III shall have four lecture hours and 2 credits with internal evaluation of 50 marks.
- ✓ Communication Practice I, II, III shall have three lecture hours and 2 credits with internal evaluation of 50 marks.
- ✓ Summer Internship & Viva Voce will have 4 credits and will be evaluated for 100 marks.
- ✓ In the Course Management Principles and Organizational Behaviour (16MBAP101) the topic ‘Communication’ is removed and ‘Motivation theories’ are added in unit 1.
- ✓ In the course Managerial Economics (16MBAP102) the topic ‘Revenue – concepts – Revenue functions’ is added in unit 2. The topic ‘Duopoly competition’ is added in unit 3. The topic ‘Pricing decisions – input pricing’ is added in unit 4 and the topic ‘Keynes liquidity preference theory of interest’ is removed from unit 4.
- ✓ In the Course Accounting for Managers (16MBAP104) the topic ‘Classification of Ratios- liquidity, solvency and profitability ratios’ is added in unit 3.
- ✓ In the course Marketing Management (16MBAP202) the topic ‘labeling’ is added in unit 3 and ‘insurance’ is added in unit 5.
- ✓ In the course Human Resource Management (16MBAP203) all five units are totally revamped.
- ✓ In the course Financial Management (16MBAP204), the topic ‘Cost of Retained earnings’ is added in unit 3 and ‘components of working capital’ is added in unit 4.

- ✓ In the course Research Methodology for Management(16MBAP206), the topic ‘Research in management decisions’ is added in unit 1 and ‘Multivariate analysis’ is added in unit 4.
- ✓ Banking and Insurance Management (16MBAP205) is introduced as a new course.
- ✓ The topics in the course Strategic Business Management (16MBAP301), ‘Strategic Management - Evolution, Elements in Strategic Management – Understanding Strategy - levels of strategy – strategic decision making’ has been added in unit 1 and the topics ‘Concept of Environment – Environmental sectors - Dynamics of internal environment’ has been added in unit 2.
- ✓ The course ‘Corporate Governance and Social Responsibility (16MBAP302) has been introduced as a new course.
- ✓ One Specialization, ‘Insurance Management’ is introduced as elective with 3 courses for III & IV semester respectively. **Totally six new courses have been introduced as electives.**
- ✓ **In the course International Financial Management (16MBAPF303A), the topic ‘International Taxation and International Working Capital Management’ has been added in unit 4.**
- ✓ **In the course Service Marketing (16MBAPM303A), the topics ‘Service Environment – dimensions – Service Blueprint - Service Recovery – Service Expectations – Service Quality – SERVQUAL – Service Leadership – Service Strategy – process – Service Triangle’ are added in unit 1 and the topics ‘Mission, strategy, elements of design, marketing plan, globalization of services’ are removed from unit 1. In Unit 2, ‘Service Products – Branding services – New service development’ are added.**
- ✓ The course Human Resource Development (16MBAPH303A) has been revamped in total.
- ✓ The topics in the course Organizational Development (16MBAPH303C) ‘Mechanistic & Organic systems and contingency approach’ has been removed from unit 4 and the topic ‘Ethical issues in OD’ has been added in unit 5.
- ✓ In the course System Analysis & Design (16MBAPS303A) the topic ‘waterfall model’ has been removed from unit 1 and the topic ‘Project scheduling and software’ has been removed from unit 4.
- ✓ In the course Emerging Trends in Technology (16MBAPS303B) the topics ‘Overview of an E-Commerce, Internet, Intranet, Extranet, and Goals of E-Commerce – Difference between E-Commerce’ has been removed from unit 1 and the topic ‘E-commerce opportunities and challenges for Indian Industrialists’ has been added unit 1.

- ✓ The course Entrepreneurial Finance (16MBAPE303A) has been replaced in total.
- ✓ In the course Entrepreneurship Development (16MBAPE303B) unit 2 has been replaced in total.
- ✓ In the course Project management (16MBAPE303C) units 2, 3 and 4 has been replaced in total.
- ✓ In the course Working Capital Management (16MBAPF401A) the topic 'Credit period' is removed from unit 3.
- ✓ In the course Security Analysis & Portfolio Management (16MBAPF401B) the topic 'Risk and return – Types' has been shifted to unit 4, 'Stock Market Indices' has been added to unit 2, 'Mode of analysis – financial analysis' has been removed from unit 3, 'Factors affecting option price' has been added in unit 4 and 'management and performance' has been removed from unit 5.
- ✓ In the course Retail Marketing (16MBAPM401B) the topics 'Types of Pricing' has been added in unit 3 and 'types of Visual Merchandising' has been added in unit 4.
- ✓ The topics 'Indian law on punishment, settlement of grievance in Indian industry' has been added in unit 2 and 'Differently abled labour' have been added in unit 5 in the course Industrial Relations (16MBAPH401A).
- ✓ In the course Compensation Management (16MBAPH401C) the topic 'Components of Compensation- wage concepts, components, criteria of wage fixation' has been added in unit 1, 'Designing Compensation' has been removed in unit 2 and 'Equal Remuneration Act Working of Different Institutions related to Reward system like Wage Boards, Pay Commissions' has been removed in unit 5.

Annexure-II

- ✓ No changes in the Syllabi of MPhil/Ph.D(Management) Programme.

Finally the chairperson of the Board of Studies in Management is authorized to carry out the modifications if any, in future.

The meeting came to an end with a vote of thanks by the chair.

The percentage of changes in PG programme MBA is 17.89%.

The percentage of changes in M.Phil/Ph.Dprogramme (Management) is 0%.

KARPAGAM ACADEMY OF HIGHER EDUCATION

COIMBATORE 641021

Minutes of the meeting of the Board of Studies in Mathematics held on 28.03.2016 at 10.00 am in the Department of Mathematics at Karpagam Academy of Higher Education.

Member Present:

1. Dr.M.M.Shanmugapriya,
Associate Professor &Head(i/c),
Department of Mathematics,
Karpagam Academy of Higher Education,
Coimbatore – 641021.
2. Dr.K.Kalidass, Associate
Professor, Department of
Mathematics,
Karpagam Academy of Higher Education,
Coimbatore – 641021.
3. Ms.G.Anusuya Devi,
Assistant Professor,
Department of Mathematics,
Karpagam Academy of Higher Education,
Coimbatore – 641021.
4. Ms.M.JannathBegam,
Assistant Professor,
Department of Mathematics,
Karpagam Academy of Higher Education,
Coimbatore – 641021.
5. Dr.N.Anbzhagan, Professor
and Head, Department of
Mathematics, Alagappa
University, Karaikudi – 630
004
Ph.No : 9790292525
E.MailId : anbzhagan_n@yahoo.co.in
6. Ms.L.R.Nihila(14MMP002)
II M.Sc Mathematics,

Department of Mathematics,
Karpagam Academy of Higher Education
Coimbatore – 641 021.

7. Ms.S.SwathiPriya(13MMU029)
III B.Sc Mathematics,
Department of Mathematics,
Karpagam Academy of Higher Education,
Coimbatore – 641 021.

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

To consider and approve the Regulations and Syllabus for B. Sc. Mathematics programme.

Resolution: 1

Resolved to approve the Regulations and Syllabus for B. Sc. Mathematics programme and it comes into effect from 2016-17.

Agenda: 2

To consider and approve the Regulations and Syllabus for M. Sc. Mathematics programme.

Resolution: 2

Resolved to approve the Regulations and Syllabus for M. Sc. Mathematics programme and it comes into effect from 2016-17.

Agenda: 3

To consider and approve the Regulations and Syllabus of the allied courses for B.Sc (ECS), B.COM, B.COM(CA), B.Com (PA), BBA, B.Sc (CS),B.Sc(IT), BCA, B.Sc (CT), B.Sc (BT), B.Sc (BC), B.Sc (MB), M.Sc (MB), M.COM, MCA, MBA,M.COM (CA), B.Com(CS), from the academic year 2016-17 handled by department of Mathematics.

Resolution: 3

Resolved to approve the Regulations and Syllabus of the allied courses for UG and PG Programmes and it comes into effect from 2016-17.

Agenda: 4

To consider and approve the Regulations and Syllabus for the following Research programme for the Academic year 2016-2017.

- i) M.Phil in Mathematics and ii) Ph.D in Mathematics

Resolution: 4

Resolved to approve the Regulations and Syllabus for i) M.Phil and ii) Ph.D Research programmes and it comes into an effect from 2016-2017.

UG PROGRAMME (B.Sc. Mathematics)

For UG Courses the following suggestions were made based on the local and global needs and on employability, entrepreneurship and skill development.

- ❖ The course Calculus may be included in lieu of the course Matrices and Classical Algebra.
- ❖ The courses Algebra, Real Analysis and Calculus (Practical) may be included instead of the courses Calculus, Allied Physics-I and Allied Physics-I (Practical), respectively.
- ❖ The courses Foundation course - A (Value Education), and Soft skill development – I may be excluded from the curriculum.
- ❖ The courses Differential Equations, Theory of Real Functions, may be included instead of English-II, Differential Equations & Laplace Transforms, respectively Also the courses Group Theory I, Differential Equations Practical and Environmental Studies may be included instead of Trigonometry, Allied Physics –II and Allied Physics –II - Practical, respectively.
- ❖ The courses Foundation course - B (Environmental Studies) and soft skill development – I may be excluded from the curriculum.
- ❖ The courses Numerical Methods, Ring Theory and Linear Algebra I and Multivariate Calculus may be included instead of English – 3, Mechanics and Statistics, respectively.
- ❖ Also the courses Logic and Sets, Programming with C and C++ and Numerical Methods Practical may be included instead of Introduction to Accounting, Indian Banking and General Chemistry – I, respectively
- ❖ The courses Statistics- Practical, Computer Course c.
- ❖ The courses English – 4, Vector Analysis and Transforms, Operations Research may be replaced by the courses Group Theory II, Metric Spaces and Complex Analysis, Ring Theory and Linear Algebra II, respectively.
- ❖ Moreover, the courses Analytical Geometry, Cost and Management Accounting may be replaced by the courses Graph Theory, Operating System : Linux ,respectively.
- ❖ The courses Human Resource Management, General Chemistry – II and Soft skill development – II may be excluded from the curriculum.
- ❖ The courses Portfolio Optimization, Number Theory and Industrial Mathematics may be included instead of Real Analysis – I, Complex Analysis – I and Numerical Methods.
- ❖ The courses Boolean Algebra and Automata Theory, Theory of Equations, Computer Graphics, Analytical Geometry and Linear Programming may be included instead MATLAB programming, Discrete Mathematics and Number theory and Cryptography, Stochastic Process and Open elective, respectively.
- ❖ The courses Numerical Methods-Practical may be excluded from the curriculum.

- ❖ Moreover, the courses Real Analysis -II, Complex Analysis – II, Advanced graph theory, Fuzzy sets and its applications and Lattice Theory may be replaced by the courses Mathematical Modeling, Mechanics, Riemann Integration and Series of Functions, PDE and System of ODE, Probability and Statistics and Differential Geometry respectively.

The UG programme B.Sc. Mathematics consists of 38 courses. All these 38 courses are changed with new courses. The percentage change in the syllabus content is = 100%

PG PROGRAMME (M.Sc. Mathematics)

For PG Courses the following suggestions were made based on the local and global needs and on employability, entrepreneurship and skill development.

- ❖ In the course Partial Differential Equations, Unit – 1 and Unit-5 may be replaced with new topics due to scope of the course.
- ❖ The course Probability and theoretical distribution can be replaced with a new course Fuzzy Topology.
- ❖ The courses Optimization Techniques -Practical and Stochastic process may be included instead of Magnetohydrodynamics and Abstract Control Theory respectively.
- ❖ The course Three dimensional analytical geometry can be replaced with a new course Neural Networks and fuzzy logic.
- ❖ In the course Topology the Text book may be changed from Simmons's to J.Munkers.
- ❖ In the course Graph theory the Text book may be changed from Harry to Narasingh Deo and also one of the text book may be changed in the reference books.
- ❖ The course Mathematical Statistics in unit I add some content instead of some probability distributions. In Practical problems based on Binomial and Poisson distributions can be removed.

The PG programme, M.Sc Mathematics consists of 30 courses. Among 30 courses, 4 new courses are added and there is a syllabus change in 2 courses. Hence, the percentage of syllabus content change is =16.37%

ALLIED COURSES

- ❖ Department of Mathematics offering Allied Mathematics and Statistics courses for the following programs and the syllabus for the same approved by the BOS.
for B.Sc (ECS), B.COM, B.COM(CA), B.Com (PA), BBA, BBA(CA), MBA,B.Sc (CS), B.Sc (IT), BCA, B.Sc (CT), B.Sc (BT), B.Sc (BC), MCA,B.Sc (MB), M.Sc (MB), M.COM, M.COM (CA),B.Com(CS),B.Com(FA),BI

M.Phil / P.hD PROGRAMME

- ❖ The courses Partial Differential Equations, Abstract Control Theory and Queueing Theory may be included instead of Algebra & mathematical Analysis, Topology and Stochastic Process respectively.

The M.Phil/P.hD programme consists of 12 courses. Among 12 courses, 3 new courses are added. The total percentage of syllabus content change is = 25%.

KARPAGAM ACADEMY OF HIGHER EDUCATION COIMBATORE – 641 021

BOARD OF STUDIES

MINUTES OF THE MEETING OF BOARD OF STUDIES

2016 – 2017

Minutes of the meeting of board of studies in microbiology held on 28.03.2016 at 10.00 am.

MEMBERS PRESENT:

1. Dr.M.Palamisamy Dean,
FASH & HOD Department
of Microbiology,
Karpagam Academy of Higher Education, Coimbatore -21

2. Dr. B.V.Pradeep
Professor, Department of Microbiology,
Karpagam Academy of Higher Education, Coimbatore -21

3. Dr. R.Usha
Associate Professor, Department of Microbiology,
Karpagam Academy of Higher Education, Coimbatore -21

4. Dr, M.Kulandhaivel
Assistant Professor, Department of Microbiology,
Karpagam Academy of Higher Education, Coimbatore -21

5. Dr. K.V. Ashok Raj
Assistant Professor, Department of Microbiology,
Karpagam Academy of Higher Education, Coimbatore -21

6. Dr. Thangammenon,
Professor & Head (External Member)
Department of Microbiology,
Madras University, Chennai-05

7. Dr. N.Sivasamy
Director- Technical (External Member)
Synkromax, 118 first floor,
Porur, Chennai-16

8. Dr. R.Raghunath Scientist
(alumni), Department of
Microbiology,
Sriram Institute For Industrial Research,

No 14/15, Sadamangala Industrial Area,
Bangalore-66

9. Ms. R.Nandhinidevi (15MBP002)
I-M.sc Microbiology (Student Representative)
Department of Microbiology,
Karpagam Academy of Higher Education, Coimbatore -21

10. Ms. R.Nivetha (14MBU014)
II-B.sc Microbiology (Student Representative)
Department of Microbiology,
Karpagam Academy of Higher Education, Coimbatore -21

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

1. To consider and approve the Regulations and Syllabus for B.Sc Microbiology programme.

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for B.Sc Microbiology programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).

Agenda: 2

1. To consider and approve the Regulations and Syllabus for M.Sc Microbiology programme.

Resolution: 2

1. Resolved to approve the Regulations and Syllabus for M.Sc Microbiology programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-II).

Agenda: 3

1. To consider and approve the Regulations and Syllabus for M.Phil&Ph.D Microbiology programme.

Resolution: 3

1. Resolved to approve the Regulations and Syllabus for M.Phil&Ph.D Microbiology programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-III).

Bsc Microbiology syllabus has been prepared according to **UGC model curriculum** and UGC regulation. Choice Based Credit System take into account for the preparation of syllabus for

BSc Microbiology. All the courses were prepared based on the employability, entrepreneurship and skill development.

Here all the courses are new courses.

In addition to the UGC model curriculum we have added few topics in different courses of BSc Microbiology 2016-2017.

Suggestion given by members to improve the syllabus to meet the present and future challenges in the field are follows.

The Board passes the syllabus for BSc Microbiology, MSc Microbiology, M.Phil & PhD Microbiology.

B.sc Microbiology and curriculum & syllabus has been prepared according to UGC model curriculum and UGC regulations.

Choice based credit system take into account for the preparation of syllabus for B.sc Microbiology.

In addition to the UGC model curriculum we have added few topics in different courses of B.sc Microbiology 2016-2017.

The board passes the syllabus for B.sc Microbiology, M.sc Microbiology.

The curriculum and credits were approved as such for the academic year 2016-2017.

The following changes are made in the syllabus.

B.Sc. MICROBIOLOGY:

1. Introduction to Microbiology and Microbial Diversity (16MBU101) Alphapolous classification has been included.
2. Method of study has to be included in the Bacteriology 16MBU102- unit II (Under Non Cultural Bacteria Include 100°C Below 100°C & Above 100°C Under Physical Methods of Microbial Control).
3. Immunization schedule added –virology Exp-10-Quadrant, continuous & T-streaking included under method of streaking. Exp-11 agar slants & deeps, mineral oil, glycerol stocks were added under the preservation – Bacteriology Practical.
4. Microbial Quality Control in Food and Pharmaceutical Industries (16MBU304A) Sampling procedures for food, water, and air, membrane filtration, lot agglutination precipitation has been included.
5. Microbial Biotechnology (16MBU503) added patenting fundamental requirements - patent multicellular organisms, IPR.

Bsc Microbiology programme consist of 60 number of courses. Syllabus completed followed from UGC model curriculum. Replaced with all new courses. The percentage of syllabus changes in the 2016- 2017 for UG Programme is 100 %.

M.Sc. MICROBIOLOGY:

1. Fundamentals of Microbiology and Classification (16MBP101) Metagenomics and prebiotics has been removed.
2. Microbial Physiology and Metabolism (16MBP102) Cellmembranehas been removed. Cell wall has been included.
3. Molecular Genetics (16 MBP 103) Genetic recombination and Gene mapping has been removed, Gene conversionhas been removed.
4. Bioinstrumentation (16MBP 104) Microscopy SEM and TEM has been included, column chromatography has been removed.
5. Basicpractical - II (16MBP112) Isolation of Mutants and Revertants has been removed
- 6.Cell biology (16MBP205A) Difference between prokaryote and eukaryote has been include. Ultra structure of eukaryotic cell has been removed.
- 7.(16MBP205B) Bioprocess Engineering - Column, hplc and gcchromotography has beenincluded.

Msc Microbiology programme consist of 27 number of courses. There is a syllabus changes in 7 courses. The percentage of syllabus changes in the 2016- 2017 for PG Programme is 25.9%.

M.Phil and Ph.D Syllabi

In Industrial and Pharmaceutical Microbiology “Fermentor design, body construction, oxygen transfer, effect of viscosity, scaleup process” were added in Unit II.

“Downstream process, intracellular and extracellular product seperation. Liquid extraction, precipitation and floatation” were shifted from Unit II to Unit III.

The percentage of syllabus changes in the 2016- 2017 for **M.Phil and Ph.D** Programme is 10 %.

The meeting came to an end with a vote of thanks by the Chair.

Signature of Members



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DEPARTMENT OF PHYSICS

Minutes of the meeting of board of studies

Minutes of the meeting of the board of studies in Physics held on 2.4.2016 at 10am

Members present

1. Dr.K.Viswanathan
2. Dr.B.Janarthanan
3. Dr.M.Kanakaraj
4. Mrs.S.Sharmila
5. Dr.S.Arumugam
6. Dr.Naidu Dhanpal Jayram
7. Mrs.Roopaa prabharar

The chair person welcomed the members of the board .The boards carefully scrutinized the draft syllabus/syllabi of the following courses

1.B.Sc Physics

2.M.Sc Physics

3.Ph.D Physics

and approved the same

The copy of the approved syllabus/syllabi is/are enclosed

The meeting come to an end with the vote of thanks by the chair

Agenda: 1

To consider and approve the regulations & syllabus for B.Sc Physics programme for the Academic year 2016 – 2017.

Resolution : 1

Resolved to approve the regulations and syllabus for B.Sc Physics programme and it comes into effect from 2016 – 2017 (Approved syllabus given in Annexure – I).

Agenda: 2

To consider and approve the regulations & syllabus for M.Sc Physics programme for the Academic year 2016 – 2017.

Resolution : 2

Resolved to approve the regulations and syllabus for M.Sc Physics programme and it comes into effect from 2016 – 2017 (Approved syllabus given in Annexure – I).

Agenda: 3

To consider and approve the regulations & syllabus for M. Phil Physics programme for the Academic year 2016 – 2017.

Resolution : 3

Resolved to approve the regulations and syllabus for M. Phil Physics programme and it comes into effect from 2016 – 2017 (Approved syllabus given in Annexure – I).

Agenda: 4

To consider and approve the regulations & syllabus for Ph.D Physics programme for the Academic year 2016 – 2017.

Resolution : 4

Resolved to approve the regulations and syllabus for Ph.D Physics programme and it comes into effect from 2016 – 2017 (Approved syllabus given in Annexure – I).

B.Sc Physics

1. Few changes have been made in the courses English – I (16PHU101) and English – II (16PHU201).is completely revised.
2. The title of the courses Optics and Sound and Nuclear Physics have been changed into Waves and Optics (16PHU401) and Nuclear and Particle Physics (16PHU402) and completely revised.
3. All the courses have been revised and changed.

M.Sc Physics

1. Classical Mechanics and Relativity (16PHP201) is shifted from Semester I
2. Instead of Classical Mechanics and Relativity, Elective I (three courses) 1. Materials Science(16PHP105A), 2. Astronomy and Astrophysics (16PHP105B) and 3. Crystal Growth Technique (16PHP105C) has been introduced.
3. Instead of Elective courses in Semester II, Spectroscopy (16PHP204) has been put in Semester II.
4. Instead of Elective - III courses in Semester III, Digital Electronics and Microprocessor (16PHP304) has been introduced.
5. Instead of Elective – IV courses (Five courses), Nanostructure and Characterization (16PHP305B), Optoelectronics (16PHP305C) and Solar Energy and its Utilization (16PHP305A) has been introduced.
6. Electromagnetic Theory and Electrodynamics (16PHP303) has been brought to Semester III from Semester IV.

M.Phil and Ph.D

There is no change in M.Phil and Ph.D program

Percentage of courses revised for UG programme = 96%

Percentage of courses revised for PG programme = 33 %



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Faculty of Arts Science and Humanities

Department of Tamil

Minutes of the Board of Studies Meeting

28-03-2016

The meeting of Board of Studies in Tamil was held on 28.03.2016 at 10.30 am in the Department of Tamil at Karpagam Academy of Higher Education.

Member Present:

1. Dr.P.Thamilarasi
Professor & Head
Department of Tamil
Karpagam Academy of Higher Education,
Coimbatore - 641021.
2. Dr.R.Madhan Kumar
Assistant Professor
Department of Tamil
Karpagam Academy of Higher Education,
Coimbatore - 641021.
3. Dr.S. Kavitha
Assistant Professor
Department of Tamil
Karpagam Academy of Higher Education,
Coimbatore - 641021.
4. Dr.P. Praburam
Assistant Professor
Department of Tamil
Karpagam Academy of Higher Education,
Coimbatore - 641021.

5. Dr. Aruchamy. S
Assistant Professor
Department of Tamil
Karpagam Academy of Higher Education,
Coimbatore - 641021.

6. Dr. T. Periyasamy
Professor & Head
Department of Tamil
Periyiyar University
Salem - 636011.

The Chairperson of the Board of Studies Meeting welcomed the members.

The following agendas were taken place for discussion and resolutions made as follows:

Agenda: 1

To consider and approve the Regulations and the Revised Syllabus of UG Part - 1 Tamil, Paper I & II for the Academic year 2016-2017.

Resolution: 1

Resolved to approve the Regulations and the Revised Syllabus of UG Part - 1 Tamil, Paper I & II for the Academic year 2016-2017.

Agenda: 2

To consider and approve the Regulations and Syllabus for the following Research programs for the Academic year 2016-2017.

i) M.Phil in Tamil and ii) Ph.D in Tamil

Resolution: 2

Resolved to approve the Regulations and Syllabus for i) M.Phil and ii) Ph.D Research programs. There are no Changes in the existing Syllabus for 2016-2017.

The meeting came to an end with a vote of thanks by the Chair.

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Department of Automobile Engineering

Minutes of Meeting of Board of Studies

Minutes of the meeting of the Board of Studies in Automobile Engineering held on **26.03.16** at 10 am at Karpagam Academy of Higher Education

Internal Members

1. Dr.K.K.Padmanabhan, Professeor, Dept of Automobile Engineering, Karpagam University.
2. Mr.R.Madhavan, Assistant Professor, Dept of Automobile Engineering, Karpagam University
- 3.G. Jayabalaji, Assistant Professor, Dept of Automobile Engineering, Karpagam University

External Members

1. Dr.E.Rajasekar. Professor, Department of Automobile Engineering, IRTT, Erode
Cell: 9443894701 [ACADEMICIAN]
2. Mr.VivekSelvaraj, Senior Engineer, Robert Bosch Pvt Ltd. KGISL Campus,
Saravanampatti. Cell: 9894724722 [INDUSTRY]
3. Mr.R.Kirubakaran[ALUMNI]
Cell: 73736 49549

The following points were discussed in the meeting

1. The importance of Hard-core elective and soft-core electives as discussed in CDC meeting was put forward to the committee members for discussion.
2. HCCI, VCR Engines and GDI Engines can be added in Unit IV of **Advanced Theory of IC Engines**.
3. Dismantling and Assembling Experiments can be clubbed together in **Automotive Engine Components Laboratory**. The existing engines present in the laboratory can be included as experiments or study exercises.
4. Twin-speed final drive can be removed from Unit III of **Automotive Chassis** since it is obsolete. ABS topic can be shifted to Intelligent Vehicle Technology and Wheels,Tyres topics can be removed since it is covered in 2 & 3 Wheelers subject. Slip angle, Over steer and Understeer can also be included
5. In **Automotive Transmission**, Hydraulic Control System from Unit III can be removed since it is present in Unit IV. The title of Unit III was suggested to be changed from Automatic Transmission to Special Types of Gearboxes
6. Experiments 10, 11, 12 (Dismantling and assembling of hydraulic braking system, Bleeding of hydraulic braking system and brake adjustment, Clutch and brake pedal play

adjustment) and Experiments 1, 12(Dismantling and assembling of clutch assembly, Clutch and brake pedal play adjustment) can be clubbed together in **Automotive Chassis and Transmission Laboratory**.

7. Tyre Properties can be included in Unit V of **Automotive Pollution and NVH Control**.
8. MATLAB and SIMULINK applications in Automobiles can be added as new **Value Added Course**.
9. Study experiments 6,7,8 (Study of rectifiers and filters, Study of logic gates, adder and flip-flops, Study of SCR and IC timer) of **Automotive Electrical and Electronics Laboratory** can be combined together into single experiment and Experiment 10(Micro controller programming and interfacing) can be split into 3 experiments, since they are related to interfacing using Micro-controller.
10. Automotive Vehicle Design can be renamed as **Automotive Chassis Design** since Body, Body Panels and roof designs are not included.
11. Experiments 15 and 16(Valve grinding, valve lapping, setting the valve angle and checking for valve leakage) of **Automotive Vehicle Maintenance and Reconditioning Lab** can be clubbed together.
12. Autonomous Vehicles, Night Vision System and Adaptive Lighting System can be included in **Intelligent Vehicle Technology**.
13. Volumetric strains and stresses on inclined planes can be added in **Strength of Materials**
14. Diesel and Dual Cycles, Dependence of ignition timing on load and speed can be added in **Automotive Engines**
15. Third Law of Thermodynamics and topics on Adiabatic Mixing and evaporative cooling may be included in **Engineering Thermodynamics**
16. Prototype making and crash test analysis on full scale model can be included in **Vehicle Body Engineering and Safety**.
17. Design of energy storing elements like springs and flywheels can be included in **Design of Machine Elements** in place of Gear design topics.
18. Thermoelectric cooling and chip cooling may be included in **Applied Thermodynamics and Heat Transfer** since it has high value in the industry.

New Textbooks:

1. Automotive Chassis by P.M Heldt can be added as a new textbook in **Automotive Transmission**.
2. Textbook of Mechanical Vibrations by S.Srinivasa Rao and Theory of Ground Vehicles by J.Y Wong can be added as new textbooks in **Vehicle Dynamics**.
3. Measuring Machines and Systems by Robert.J.Hocken, Paulo.H.Pereira is to be added as a textbook for **Engineering Metrology and Measurements**.
4. The Internal Combustion engine in Theory and Practice by Charles Fayette Taylor can be added as a text-book in **IC Engine Design**.

The overall percentage in syllabus change is 47 %

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Minutes of meeting of the board of studies in Biotechnology department held on 31.03.2016 at 12.00 pm in FOE of Karpagam Academy of Higher Education

Members present:

1. Dr. R. Thilagavathi, Associate Professor, Department of Biotechnology, KAHE
2. Dr. Anuradha
3. Dr. Rajkumar
4. Ms. P. Sandhya
5. Mrs. G. Jeyalakshmi
6. Ms. Y. Keerthiga (Student Representative)

The chair person welcomed the members of board of studies. The BOS committee scrutinized and has drafted the curriculum and syllabus of BE Biomedical Engineering for the year 2016-2017

Agenda 1:

To consider and approve the curriculum and syllabus of BE Biomedical Engineering for the year 2016-2017

Resolution 1:

Resolved to approve the curriculum and syllabus of BE Biomedical engineering for the year 2016-2017. (Approved Regulations and Syllabus given in Annexure-I).

The meeting came to an end with vote of thanks by Chairperson Dr. R. Thilagavathi

The Biomedical Engineering course is introduced in the academic year 2016-2017

The UG program B.E. Biomedical Engineering consists of 70 Courses out of which 9 courses come under Skill Development, 60 courses come under Employability and 1 course come under Entrepreneurship.

This course is introduced in the academic year 2016-2017- and hence the percentage of change in 2016-2017 syllabus is $\frac{70}{70} = 100\%$



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of Engineering
DEPARTMENT OF CIVIL ENGINEERING
Minutes of The Meeting of Board of Studies 2016-17

Minutes of the meeting of be board of students Civil Engineering hold on 29.03.2016 at
10.00AM

Members present:

- 1) Dr.R.Sundararajan
Dean (NCB)
Faculty of Engineering
KarpagamAcademy of Higher Education
Coimbatore – 641 021
- 2) Dr.M.Natarajan
Associate Professor
Dept of Civil Engineering Faculty of
Engineering KarpagamAcademy of
Higher Education Coimbatore – 641 021
- 3) Mr.N.Balasundaram
Assistant Professor and HoD Civil
Dept of Civil Engineering Faculty of
Engineering KarpagamAcademy of
Higher Education Coimbatore – 641 021
- 4) Mr.V.Venugopalan
Assistant Professor
Dept of Civil Engineering Faculty of
Engineering KarpagamAcademy of
Higher Education Coimbatore – 641 021
- 5) Dr. P. Jayabalan
Professor &HoD,
Department of Civil Engineering,

National Institute of Technology,
Trichy-620015

6) Dr.G.S.Venkata Subramanian
Consulting Civil Engineer
Chartered Civil Engineer of approved Valuer
Structural Engineer
Coimbatore- 38

7) Mr. ShahulHameed (Alumni of KAHE)
Assistant professor,
K.Ramakrishna Institute of Technology,
Trichy-621112

8)Ms.M. Mahalakshmi (student representative)
IV year, BE Civil Engineering,
Department of Civil Engineering,
Karpagam Academy of Higher Education,
Coimbatore-641021

The Chair person welcomed the members of the Board. The Board carefully scrutinized the draft syllabus and after detailed discussion the following resolutions were passed. The following changes are made in the existing syllabus considering employability, entrepreneurship and skill development.

***CBCS system is adopted**

1. Basic Civil Engineering is introduced in the curriculum and a necessary syllabus was framed for the Civil Engineering branch in I semester.
2. In third semester, Solid Mechanics – I, Unit III named as bending of beams and included some contents like calculation of shear stress and bending moments and included theory of simple bending and point of contra flexure.
3. Building Drawing is renamed as Building Planning and Drawing Laboratory in III semester.
4. In Surveying – I, Unit – I included the chain surveying topic in III semester.
5. In Solid Mechanics – II of IV semester. Some topics were removed deflection of perfect frame in Unit I. Build – up columns and theories of failure in Unit III.
6. Mechanics of Soil of IV semester, compaction topic in Unit – I is removed.

7. In Applied Hydraulics and Machinery of IV semester, Unit – III the condition of plates are included and Impulse – momentum topic is removed.
8. Computer Aided Design Laboratory is included in the value added course of IV semester.
9. In Environmental Engineering I (V semester), Water Quality parameters are included in Unit – II and Unit II and Unit V title renamed as Storage & Distribution.
10. In Environmental Engineering II of VI semester the Unit – IV, included UASB reactor topic. Topics sewer appurtenances and pump selection is transferred to Unit – II. In Unit – V the methods of disposal is included.
11. Transportation, Engineering / Highway Engineering is given as choice based and rearranged to semester V.
12. Building Services is introduced as a Professional Elective in VI semester.
13. In VIII semester, the course Estimation and Quantity Surveying is renamed as Estimation, Quantity Surveying and Valuation.

The UG Programme B.E-Civil Engineering consists of 67 courses out of which 22 courses are offered by other departments. There is a syllabus change in 12 courses and hence total change= $(12/45)*100=27\%$

There is no change in Ph.D syllabus

The BOS meeting was concluded at 04:30PM with the vote of thanks by the chair person Dr. R.Sundararajan

KARPAGAM ACADEMY OF HIGHER EDUCATION

BOS MEETING MINUTES 2016

Minutes of the meeting of the Board of Studies in Computer Science and Engineering held on 26.03.2016 at 10.00 am in the Department of Computer Science and Engineering at Karpagam Academy of Higher Education. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Members Present :

1. Dr.M.Mohanapriya (Chair Person)

Faculty Of Engineering /KU

2. Dr.V.Viswanathan (Member)

Professor

School Of Computing Sciences And Engineering

VIT University-Chennai Campus

3. Mr.V.M.Ganesh(Member)

Associate Software Engineer

Cognizant Technology Solutions, Chennai

4.Mr.K.Nesamani(Alumini)

Software Development Engineer

Amazon, Chennai

5. Mr.S.Sahul Hammed (Member)

Department OfCSE, KU

6. Mr.T.Mohanraj(Member)

Assistant Professor

Department Of CSE,KU

The Chairperson Welcomed the Members of the Board .The Board Carefully Scrutinized Draft Syllabus /Syllabi of the Following Courses.

B.E Computer Science and Engineering

And Approved the Same with Necessary Modifications

The Copy Of The Approved Syllabus/Syllabi Are Enclosed.

Agenda: 1

1 To consider and approve the Regulations and Syllabus for B.E Computer Science and Engineering for the academic year 2016-17.

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for B.E Computer science and Engineering programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).

For U.G Courses the following suggestions were given.

The Courses introduced are:

S.No	Course Code	Course Name
1.	16BECS104	Problem Solving And Programming Theory
2.	16BECS105	Basics of Electrical and Electronics Engineering
3.	16BECS112	Engineering Workshop Practices Lab
4.	16BECS305A /16BECS305B	System Software/ Programming with Java Script
5.	16BECS403A/116BECS403B	Microprocessor And Microcontrollers/Information Storage and Management
6.	16BECS413	Embedded Computing Systems
7.	16BECS604A/16BECS604B	Data Warehousing and DataMining/ Object Oriented Analysis and Design
8.	16BECC701	Professional Ethics,Principles of Management and Entrepreneurship Development
9.	16BECS801	Software Testing
10.	16BECS702	Internet and Web Technology
11.	16BECS6E01	Internet Of Things
12.	16BECS7E04	Information Security
13.	16BECS5E03	Design Patterns
14.	16BECS5E07	Servlets and JSP
15.	16BECS5E05	Advanced Operating Systems
16.	16BECS6E04	Video Analytics
17.	16BECS6E08	TCP/IP Design and Implementation
18.	16BECS8E02	E-Commerce

The Meeting Came To An End With Vote Of Thanks By The Chair Person.

The Curriculum And Syllabi Of 2016 -17 is Based On Choice Based Credit System (CBCS)

The U.G Program B.E Computer Science and Engineering Consists of 70 courses.

There is a change in the syllabus of 18 courses and hence the total change is $18/70 \times 100 = 25.71\%$.

Agenda: II

To consider and approve the Regulations and Syllabus for Ph.D programme in Computer Science and Engineering

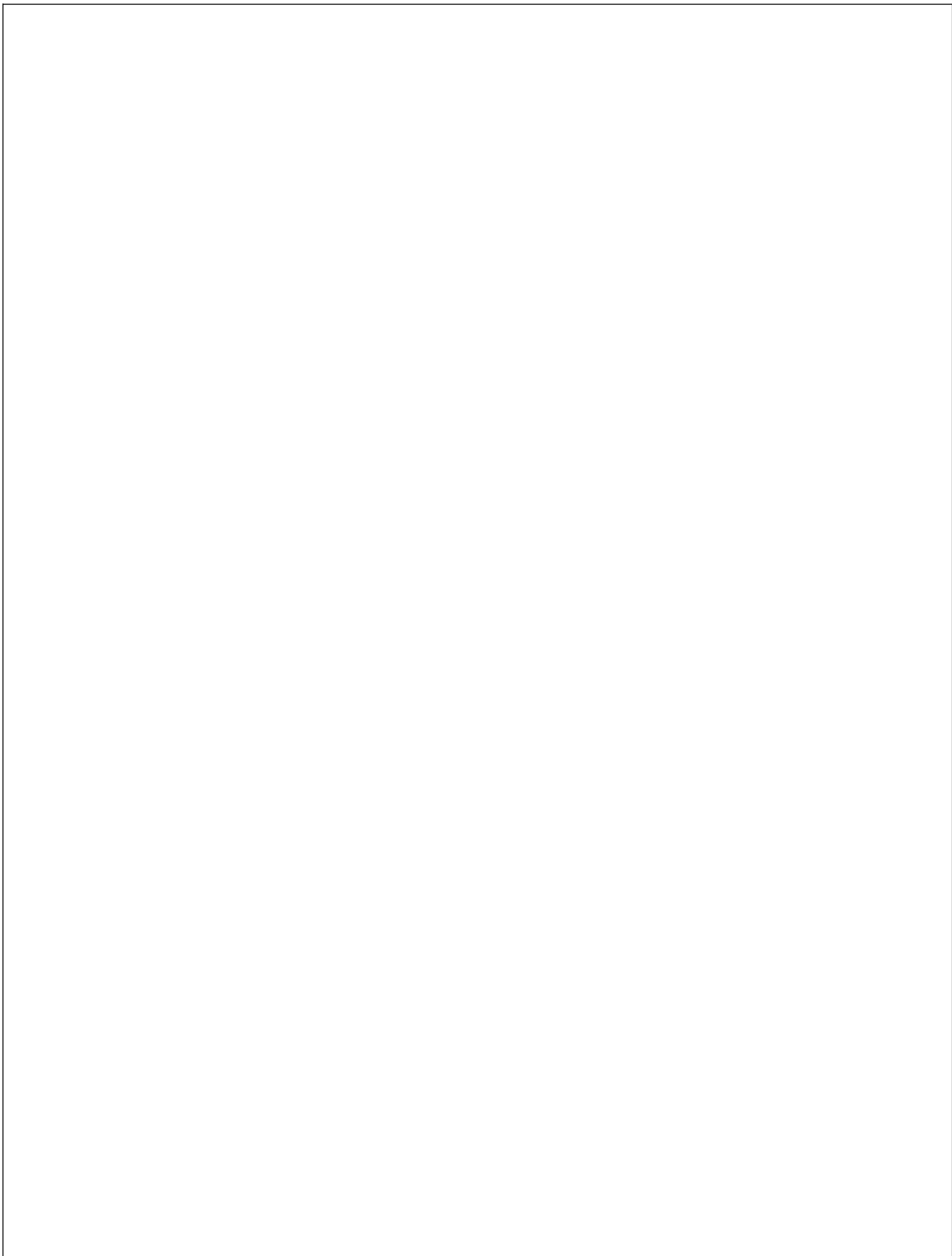
Resolution: II

Total number of courses present during the year 2015-16 = 21

Total Number of courses present during the year 2016-17 = 21

Percentage change in the syllabi = $0/21 \times 100 = 0\%$

Resolved to approve the Regulations and Syllabus for Ph.D programme in Computer Science Engineering and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).



BOS (2016-2017)

Minutes of Board of Studies:

Minutes of meeting of the board of studies in ECE department held on 29.03.2016 at 09.30 AM in the VLSI lab in FOE of Karpagam University

Members present

1. Dr S.Bhavani, Prof & HOD/ECE KAHE (Chairperson)
2. Dr V.R.Vijayakumar , Prof &HOD/ECE, Anna University, Cbe
3. Mrs N.Kavitha, steps knowledge service, Cbe
4. Dr P.Manimegalai, Prof/ECE, KAHE
5. Dr S.Kamalraj, Asst Prof/ECE, KAHE
6. Dr G.R.Mahendra babu, AP/ECE, KAHE
7. Mr M.Daranikumar , AP/ECE, KAHE

The Chairperson welcomed the members of the board of studies. The BoS committee scrutinized the drafted syllabus and the following resolutions were passed

Agenda 1:

To consider and approve modification of curriculum and syllabus for B.E Electronics and Communication Engineering for the Academic Year 2016-17

Resolution 1:

Resolved to modify curriculum and syllabus for BE Electronics and Communication Engineering for academic year 2016-17 (Approved changes in syllabus is given in **Annexure I**)

Annexure I:

Changes made in UG Course B.E-ECE

- ✓ Electronic devices (16BEEEC302-III sem) to be renamed as Electronic devices and circuits.
- ✓ Electromagnetic fields (16BEEEC305-III sem) and circuit theory (V sem) to be given 4 credit.
- ✓ Suggested to have C++ programming (oops) in Ist semester.
- ✓ In environmental science asked to include topics related to radiation effects from mobile phone, electromagnetic pollution etc.
- ✓ Engineering physics to include topics related to nano physics and super conductors.
- ✓ Control system and computer networks have to be included in hard core in V & VI semester instead of professional electives.
- ✓ Suggested to simplify the syllabus for Linear integrated circuits
- ✓ In electronic circuits unit IV & V can be distributed
- ✓ Suggested to include aperture antenna, DTHC in AWP and to remove antenna measurements, balun measurements to be included.
- ✓ In microprocessor and microcontroller lab(V sem) remove some experiments on 8086 and PIC lab experiments.
- ✓ In embedded lab concentrate on ARM equipments
- ✓ Suggested for internship instead of inplant training
- ✓ Measurement and instrumentation to be renamed as electronic instrumentation and measurement.
- ✓ Suggested to reduce credits for project to be 12 instead of 20.
- ✓ Suggested some new books for newly introduced courses.

Sl. No	Course Code	Course Name	Changes Made
1	16BECC102	Engineering Mathematics – I	Changes has been made in unit 4
2	16BEPH103 / 16BECH103	Engineering Physics / Engineering Chemistry	Changes has been made in unit 3
3	16BEEC104	Basic Electrical Engineering	Changes has been made in unit 2, 4 and 5
4	16BEEC105	Basic Electronics Engineering	Changes has been made in all units
5	16BEEC113	Electrical Engineering Laboratory	Changes has been made in all the experiments
6	16BEPH203 / 16BECH203	Engineering Physics / Engineering Chemistry	Changes has been made in unit 1, 2, 3 and 5
7	16BEEC212	Electric Circuits Laboratory	Changes has been made in all the experiments
8	16BEEC305	Electro Magnetic Fields	Changes has been made in unit 1, 2, 4 and 5
9	16BEEC311	C Programming Laboratory	Has been Included in the Syllabus as new course
10	16BEEC351	PCB Designing	Has been Included in the Syllabus as new course
11	16BEEC612B	Embedded Systems Design Laboratory	Has been Included in the Syllabus as new course
12	16BEEC652	Basic Simulation Laboratory	Has been Included in the Syllabus as VAC
13	16BECC701	Professional Ethics Principles Of Management and Entrepreneurship Development	Changes has been made in unit 2, 3, 4 and 5
14	16BEEC711B	Optical Communication Laboratory	Changes has been made in 2 experiments

The meeting came to an end with vote of thanks by chairperson Dr.S.Bhavani, Professor and Head of ECE Department

The UG program BE- Electronics and Communication Engineering consists of 67 Courses in which 16 % syllabus change has been incorporated.

In Ph.D program in ECE for Academic year 2016-17 the total change in syllabus is 16.67 %

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29-03-2016

Minutes of the meeting of the Board of Studies in 2016-2017 held on 29-03-2016 at 10 am / pm in the EEE Department at Karpagam Academy of Higher Education.

Members Present:

1. Dr. A. AMUDHA,
PROFESSOR AND HEAD, EEE DEPARTMENT,
FACULTY OF ENGINEERING,
KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.
2. Dr. S. POORANI,
PROFESSOR , EEE DEPARTMENT,
FACULTY OF ENGINEERING
KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.
3. Prof. K. BALACHANDER,
ASSOCIATE PROFESSOR, EEE DEPARTMENT,
FACULTY OF ENGINEERING,
KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.
4. Prof. S. KUPPUSAMY,
ASSOCIATE PROFESSOR, EEE DEPARTMENT,
FACULTY OF ENGINEERING,
KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.
5. Prof. T. RAMESH,
ASSISTANT PROFESSOR, EEE DEPARTMENT,
FACULTY OF ENGINEERING,
KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.
6. Mr. G. RAVICHANDRAN,
GENERAL MANAGER,
LAKSHMI ELECTRICAL CONTROL SYSTEM LIMITED, ARASUR,
COIMBATORE.
7. Dr. C. CHRISTOBER ASIR RAJAN,
PROFESSOR, EEE DEPARTMENT,
PONDICHERRY ENGINEERING COLLEGE,
PONDICHERRY.

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft Curriculum / Syllabus/ Syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

To consider and approve the Regulations and Syllabus for following programme.

- B.E (Electrical and Electronics Engineering)

Resolution: 1

Resolved to approve the Regulations and Syllabus for BE (EEE) programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I).

New Courses introduced

S. No.	Course Code	Name of the Course
1.	16BEEE104	Basic Electrical Engineering
2.	16BEEE105	Basic Electronics Engineering
3.	16BEEE112	Engineering Workshop Practices Laboratory
4.	16BEEE113	Computer Practice and programming Lab
5.	16BECC151	Human Values
6.	16BEEE251	Aptitude Training
7.	16BEEE305B	Power Plant Engineering
8.	16BEEE351	Introduction to Solar PV Design
9.	16BEEE403A	Measurements and Instrumentation
10.	16BEEE403B	Transducer Engineering
11.	16BEEE404	Pulse and Digital Logic Circuits
12.	16BEEE405A	Basic Thermodynamics and Energy Conversion Devices
13.	16BEEE405B	Engineering Materials
14.	16BEEE413	Measurement and Instrumentation Laboratory
15.	16BEEE451	Electricity Standards
16.	16BEEE651	PCB Design and Servicing of Domestic Appliances

The electives introduced are:

S. No.	Course Code	Name of the Course
1.	16BEEE7E07	Computer Aided Analysis & Design of Elec. Apparatus

The changes in the existing courses are:

S. No.	Course Code	Name of the Course	Changes Introduced
1.	16BECC101	Communicative English	In Unit I, II and III
2.	16BEPH103	Engineering Physics	All units
3.	16BEPH111	Engineering Physics Lab	Two Experiments Added
4.	16BEEE302	Electrical Machines I	In unit I, IV and V
5.	16BECH203	Engineering Chemistry	All units
6.	16BECC102	Engineering Mathematics - I	In Unit III and IV
7.	16BECC202	Engineering Mathematics-II	In Unit III and IV
8.	16BECC201B	Technical english	In Unit I, II and III
9.	16BEEE205	Analysis of Electric Circuits	All units
10.	16BEEE313	Basic Simulation Lab	All Experiments Added
11.	16BEEE411	Electrical machines-II Lab	Two Experiments
12.	16BEEE552	PLC	All units
13.	16BECC701	Professional Ethics, Principle of Management and Entrepreneurship Development	All units

Agenda: 3

To consider and approve the Regulations and Syllabus for Ph.D programme in Electrical and Electronics Engineering

Resolution: 3

Resolved to approve the Regulations and Syllabus for Ph.D programme in Electrical and Electronics Engineering and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure). There is no syllabus changes.

The UG programme B.E. Electrical and Electronic Engineering Consists of 69 courses out of which 16 courses come under the category of Science and Humanities, Management and Allied Engineering courses. There is a syllabus change in 27 course and hence total change = 39.1 %

The Ph.D. programme consists of 23 courses out of which 01 courses come under the MBA department courses. There is a no syllabus change.

The meeting came to an end with a vote of thanks by the Chair.



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University Established Under Section 3 of UGC Act, 1956)

Eachanari Post, Coimbatore-641021.Tamilnadu,India.

FACULTY OF ENGINEERING

B.E. (MECHANICAL ENGINEERING)

BOS (2016 - 2017)

Minutes of Board of Studies:

Minutes of the meeting of the board of studies in mechanical engineering held on 30.03.2016 at 10.00AM

MEMBERS PRESENT

1. Dr.P.SENTHIL ,HOD Mechanical, FOE, KARPAGAM ACADEMY OF HIGHER EDUCATION
2. Dr.S.R.DEVADASAN, Professor / production/ PSGCT, Coimbatore
3. Mr. A.RAJADURAI, Manager – Technical AQUASUB Engineering , Coimbatore
4. Mr. K.GOKUL , Design Engineer, Accuratus Automation pvt.Ltd Coimbatore
5. Dr.P.V. RAJENDRA SETHUPATHI, Professor / KAHE , Coimbatore
6. Mr .A .SIVANANTHAM, Asso. Professor / MECH / KAHE Coimbatore
7. Dr.N.M. SIVARAM, Asso . Professor /MECH/ KAHE , Coimbatore
8. Mr. R. KARUPPASAMY, Asso Professor /MECH /KAHE ,Coimbatore

The chairperson welcomed the members of the board of studies. The BoS committee scrutinized the drafted syllabus of the following programmes and the following resolutions were passed.

Agenda 1:

To considered and approve modification of curriculum and syllabus for B.E Mechanical Engineering for the Academic Year 2016 – 17.

Resolution 1:

Resolved to modify curriculum and syllabus for B.E Mechanical Engineering for the Academic Year 2016 – 17(Approved changes in syllabus is given in **Annexure I**).

Annexure I

For UG courses the following suggestions were given

Sl. No	Course Code	Course Name	Changes Made
1	16BEME405B	Industrial Engineering	Changes has been made in unit 3
2	16BEME6E01	Power Plant Engineering	Changes has been made in unit 5
3	16BEME6E02	Advanced Manufacturing Processes	Changes has been made in unit 3
4	16BEME6E04	Manufacture and Inspection of Gears	Changes has been made in unit 5
5	16BEME751B	Motors and Pumps	Changes has been made in unit 3

6	16BEME604	Economics for Engineers	Changes has been made in unit 5
7	16BEME5E04	Hydraulics and Pneumatics Power Control	Changes has been made in unit 2
8	16BEME5E05	Design of Jigs, Fixtures and Press Tools	Changes has been made in units 4 and 5
9	16BEME5E07	Industrial Robotics	Changes has been made in unit 5
10	16BEME8E04	Energy Conservation Methods and Energy Audit	Changes has been made in unit 5
11	16BEME8E02	Production Planning and Control	Changes has been made in unit 5

The UG programme BE Mechanical Engineering consists of 75 courses out of which 19 courses are in Science and Humanities and other allied engineering courses. The syllabus change is 18%.

Ph. D. Mechanical Engineering

The Ph D Mechanical Engineering consists of 11 courses. The academic year 2015 – 16 curricula and syllabi will be followed in academic year 2016 – 17.

The meeting came to an end with a vote of thanks by the chair.

KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021

Minutes of the meeting of Board of Studies 2016-17

Minutes of the meeting of the Board of Studies of **Department of Biotechnology (B.Tech)** held on **31.03.2016** at **12 Noon** in the **Dean 's of f ice, Faculty of Engineering** at KarpagamAcademy of Higher Education.

Members Present:

1. Dr. R. Thilagavathi, Associate Professor & Head, Department of Biotechnology (B.Tech), FoE, KAHE
2. Dr. Anuradha, Professor & Head, Department of Biotechnology, Anna University, Chennai.
3. Dr. Rajkumar, Director, R&D, Cellzyme, Coimbatore.
4. Mrs. Jeyalakshmi, Asst Professor, Dept. of Biotechnology (B.Tech), FoE, KAHE
5. Ms. Sandhya, Asst Professor, Dept. of Biotechnology (B.Tech), FoE, KAHE
6. Ms. Keerthiga, IV year, B.Tech Biotechnology, Dept. of Biotechnology (B.Tech), FoE, KAHE

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus / syllabi and after detailed discussion the following resolutions were passed.

Agenda:1

To consider and approve the modification of existing Curriculum and Syllabus for **B.Tech Biotechnology** Programme.

Resolution: 1

Resolved to amend the suggestions/ corrections and approve the Curriculum and Syllabus for **B.Tech Biotechnology** Programme and it comes into effect from 2016-17. (Approved Regulations and Syllabus given in **Annexure-I**).

ANNEXURE - I

The following corrections and suggestions may be included in B.Tech (Biotechnology) syllabus (2016-17) on the local and global needs. Employability, Entrepreneurship and Skill development aspects have been taken care off.

S.No.	Course Code	Course Name	Changes made
1.	16BTPH103	Engineering Physics	Changes has been made in Unit 3
2.	16BTCH103	Engineering Chemistry	Changes has been made in Unit 1, Unit 2, Unit 3 and Unit 5
3.	16BTBT104	Introduction to Biotechnology	New Course Introduced
4.	16BTCC201A	Business Communication	New Course Introduced
5.	16BTBT302	Cell Biology	Changes has been made in Unit 1
6.	16BTBT401	Unit operations	Changes has been made in Unit 3
7.	16BTBT403	Instrumental Methods of analysis	Changes has been made in Unit 2
8.	16BTBT406	Biochemistry-II	Changes has been made in Unit 2
9.	16BTBT451	Production of commercially valuable bioproducts	New Course Introduced
10.	16BTBT502	Genetic Engineering	Changes has been made in Unit 2, Unit 4 and Unit 5
11.	16BTBT504A	Bioinformatics	Changes has been made in Unit 2
12.	16BTBT512	Molecular biology and genetic Engineering lab	New Course Introduced
13.	16BTBT513A	Bioinformatics Lab	Changes has been made
14.	16BTBT513B	Protein and enzyme technology Lab	New Course Introduced
15.	16BTBT602	Immunology	Changes has been made in Unit 4
16.	16BTBT603B	Molecular modelling	New Course Introduced
17.	16BTBT604B	Nanobiotechnology	Changes has been made in Unit 4 and Unit 5
18.	16BTBT612B	Molecular modeling Lab	New Course Introduced
19.	16BTCC701	Professional Ethics, Principles of Management and Entrepreneurship development.	New Course Introduced
20.	16BTBT5E03	Industrial safety and Hazards Management	New Course Introduced
21.	16BTBT6E05	Molecular Pathogenesis	Changes has been made in Unit 1 and Unit 2
22.	16BTBT7E04	Cancer biology	Changes has been made in Unit 3
23.	16BTBT8E03	Stem cell technology	Changes has been made in Unit 3 and Unit 4

Agenda:2

To consider and approve the modification of existing Curriculum and Syllabus for **B.E. Biomedical Engineering** Programme.

Resolution: 2

Resolved to amend the suggestions/ corrections and approve the Curriculum and Syllabus for **B.E Biomedical Engineering** Programme and it comes into effect from 2017-18.

The curriculum and syllabi of B.E Biomedical Engineering approved in BOS

The meeting came to an end with a vote of thanks by the Chair.

The UG programme B.Tech Biotechnology consists of 84 courses out of which 18 courses are in Science & Humanities, Management and other allied Engineering courses. 4 courses comes under Skill development, 64 courses comes under Employability, 16 courses comes under Entrepreneurship. **The 12 new courses are added in the syllabus 2016-2017.**

The average percentage of change in syllabus for 2016-2017 is 11.85%.

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University Established Under Section 3 of UGC Act 1956)

Pollachi Main Road, Eachanari Post, Coimbatore – 641 021. INDIA

BOS (2016-2017)

Minutes of meeting of the board of Studies in **B.Tech Chemical Engineering** held on **30.03.2016** at **10:00 am** in the **Department of Chemical Engineering** at Karpagam Academy of Higher Education.

Members present:

1. Dr.P.Senthil, HOD- Department of Mechanical Engineering, FoE, KAHE.
2. Dr.S.R.Devadasan, Professor/Production/PSGCT, Coimbatore.
3. Mr.A.Rajadurai, Manager, Technical AQUASUB Engineering,Coimbatore.
4. Mr.K.Gokul,Design Engineer, Accuratus Automation Pvt.Ltd,Coimbatore.
5. Dr.P.V.RajendraSethupathi/ Professor/ FoE, KAHE.
6. Mr.A.Sivanantham/Associate Professor/Mechanical/KAHE,Coimbatore.
7. Dr.N.M.Sivaram/ Associate Professor/Mechanical/KAHE,Coimbatore.
8. Mr.R.Karuppasamy/Assistant Professor/Mechanical/KAHE,Coimbatore.

The chairperson welcomed the members of the Board.The board carefully scrutinized the draft syllabus of **B.Tech Chemical Engineering**.

The Department of **Chemical Engineering is newly formed** and there is no change made in the drafted syllabus and curriculum for the academic year 2016-2017.

The UG programme B.Tech. Chemical Engineering consists of 67 courses out of which 24 courses come under the category of Science and Humanities, Management and Allied Engineering courses.

The meeting came to an end with a vote of thanks by the Chair.

KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021

Minutes of the meeting of the Board of Studies in **Architecture** held on **15.02.2016** at **10.00am** / pm in the **Faculty of Architecture, Design and Planning** at Karpagam Academy of Higher Education.

Members Present:

- | | |
|---|-------------------------------------|
| 1. Ar.Kathiravan,
Dean i/c, Faculty of Architecture,
Karpagam University,
Coimbatore – 641 021.
Ph.No:9994220005 | Chairperson |
| 2. Ar.Ramakrishnamoorthy
Head of the Department, Faculty of Architecture,
Karpagam University,
Coimbatore – 641 021.
Ph.No:9445167560 | Internal Member – HoD |
| 3. Ar.Lingeshwaran ,
Associate Professor, Faculty of Architecture,
Karpagam University,
Coimbatore – 641 021.
Ph.No: 8098736543 | Internal Member –Asso.Prof Academic |
| 4. Ar.Vimal C, Assistant
Professor, Karpagam
University, Coimbatore
– 641 021,
Ph.No:9629426939 | Internal Member – Asst.Prof |
| 5. Ar.Siva S
CPWD Deputy Director
Trivandrum, Kerala
Ph.No: 9894484399 | External Member – Industry |
| 6. Ar.Gopalakrishnan,
Professor
Deaprtment of Architecture
National Institute of Technology, Thrichy
Ph.No: 9942323639 | External Member – Academic |
| 7. Ms.Janani,
No:42, Second Street
Tatapad, Coimbatore - 641012
Ph.No:8056932837 | Alumni |

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft Regulations and syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

To consider and approve the Regulations and Syllabus for **B. Arch** programme for the Academic year 2016- 2017.

Following Changes were made in Syllabus – for academic year 2016- 2017

1. Environmental Science was introduced in Semester -1
2. Architectural detailing was revised
3. Practical training was proposed in Semester 7 and Semester 8

The change in syllabi is 2.9%

Resolution: 1

Resolved to approve the Regulations and Syllabus for **B. Arch** programme and it comes into effect from Academic year 2016- 2017.

The meeting came to an end with a vote of thanks by the Chair.

**KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021**

Minutes of the meeting of the Board of Studies in Architecture - M. Arch held on **15.02.2016** at **10.00am / pm** in the Faculty of Architecture, Design and Planning at Karpagam Academy of Higher Education.

Members:

- | | |
|--|-------------------------------|
| 1. Ar.Kathiravan,
Dean i/c, Faculty of Architecture,
Karpagam University,
Coimbatore – 641 021.
Ph.No:9994220005 | Chairperson |
| 2. Ar.Gayathri Kalyanasundaram
Internal Member –
Assistant Professor, Faculty of Architecture,
Karpagam University,
Coimbatore – 641 021.
Ph.No: 9655796759 | PG Coordinator |
| 3. Ar.Bhuvanasundar,
Internal Member –
Sundar Sundaram Architects
Thirugnana Sampantham Road, Race Course
Coimbatore – 1
Ph.No: 9843011995 | Senior Prof |
| 4. Dr.Paul Varghese,
X1/223, Kaliankara House,
Railway Station Road,
Irinjalakuda – 680121,
Ph.No:09446232770 | Internal Member – Senior Prof |
| 5. Ar.Balakrishnaa V,
Dreamzscapes,
272 C, Cross Cut Road,
Gandhipuram,
Coimbatore – 641 012.
Ph.No: 9942323639 | Internal Member – Senior Prof |
| 6. Dr.Harimohan Pillai,
Former Member -UG Board, Council of Architecture,
“Aradhana” 151 – Priyadarsini Nagar,
P.O Ayyanthole,
Thrissur – 680 003.
Ph.No. 09447188446 | External Member – Academic |
| 7. Ar.Anjaneysh Balakrishnaa
Dreamzscapes 272 C, Cross Cut Road,
Gandhipuram
Coimbatore – 641012
Ph.No: 9942323639 | External Member – Industry |

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft Regulations and syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

To consider and approve the Regulations and Syllabus for **M. Arch** programme for the Academic year 2016-2017

No changes were made in the M. Arch Curriculum

Resolution: 1

Resolved to approve the Regulations and Syllabus for **M. Arch** programme and it comes into effect from Academic year 2016-2017

FACULTY OF PHARMACY
KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)
(Established Under Section 3 of UGC Act 1956)
COIMBATORE – 641021

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Minutes of Meeting of Board of Studies 2016 – 17 for B.Pharm Degree Course

Minutes of the meeting of the Board of Studies in **Faculty of Pharmacy** held on **30.03.2016**
at **11.00 A.M**

Members Present:

1. Dr. R. Sundaraganapathy, Dean, Faculty of Pharmacy, KAHE – Chairperson.
2. Dr. S. Mohan, Principal, Karpagam college of Pharmacy, Coimbatore.
3. Dr. S. Kavimani, Professor & Head, Dept. of Pharmacology, Mother Theresa Post Graduate & Research Institute of Health Sciences, Pondicherry.
4. Dr. R. Kalirajan, Asst. Professor, Dept. of Pharmaceutical Chemistry, JSS college of Pharmacy, Ooty (JSS University).
5. Mr. K. Abdul Khayum, Lecturer, Faculty of Pharmacy, KAHE.
6. Ms. G. Praveena, Lecturer, Faculty of Pharmacy, KAHE.
7. Ms. K.N. Arathi, Lecturer, Faculty of Pharmacy, KAHE.

The Chairperson **Dr. R. Sundaraganapathy** welcomed the members of the Board. The Board carefully scrutinized the syllabus of the B.Pharm degree course and approved the same as per the norms.

Minutes of Meeting:

- ✓ Dr. R. Sundaraganapathy, Dean, FOP briefed the framework of syllabus for the academic year 2016 – 17 to the members present in the BOS meeting. He also submitted the subject wise syllabus to the nominated members to make corrections based on the local and global needs, relating to employability, entrepreneurship and skill development.

The following changes are made in the existing syllabus

S. No.	Course Name	Details of Change
1.	Human Anatomy, Physiology & Health Education –I	<ol style="list-style-type: none"> 1. Course name has been changed to Anatomy and Physiology – I 2. Included the following topics in Unit I – Cell Junctions, Transport mechanism, Ion channels, cell communication, signalling pathway, types of movements. 3. Included the following topics in Unit II – Body fluids, blood transfusion, definition of anaemia, haemophilia, leukaemia, and lymphoma. 4. Included the following topics in Unit III – Cardiac output, hypertension, hypotension, atherosclerosis, arteriosclerosis, angina, myocardial infarction, congestive heart failure, cardiac arrhythmia. 5. Included the following topics in Unit IV – Peptic ulcer, colorectal cancer, hepatitis. 6. Included the following topics in Unit V – Artificial respiration, resuscitation methods, hypoxia, asphyxia, bronchial asthma, COPD. 7. Excluded the following topics in Unit V – Cyanosis, mountain sickness, Caisson's disease, Structure and function of kidney and urinary tract, physiology of urine formation and acid-base balance.
2.	Pharmaceutical Organic Chemistry – I	<ol style="list-style-type: none"> 1. Unit I is changed from Molecular Orbital theory to Classification/nomenclature of organic compounds/isomerism. 2. Unit II is changed to Alkanes. 3. Unit III is changed from Mechanism of halogenation of alkanes to Alkenes. 4. Unit IV is changed from Bayer's strain theory to Alkyl halides. 5. Unit V is changed from derivation of structure of benzene to Carbonyl compounds and carboxylic acids.
3.	Pharmacognosy and Phytochemistry – I	Pharmacognosy and Phytochemistry – I Course is removed and a new Course Biochemistry – I is included.
4.	Human Anatomy, Physiology & Health Education Laboratory – I	<ol style="list-style-type: none"> 1. Course name has been changed to Anatomy and Physiology Laboratory-I. 2. Included the following topics – Microscopic study of different tissues, identification of bones. 3. Excluded the following topics – Determination of ESR.
5.	Pharmacognosy and Phytochemistry Laboratory – I	Pharmacognosy and Phytochemistry laboratory – I Course is removed and a new Course Biochemistry

		Laboratory – I is included.
6.	Human Anatomy, Physiology & Health Education – II	<ol style="list-style-type: none"> 1. Course name has been changed to Anatomy and Physiology – II 2. Unit I is changed to Urinary system from endocrine system. 3. Unit III is changed from central nervous system to endocrinology. 4. Included the following topics in Unit IV – Definition and classification of nervous system, neurons and properties of nerve fibers, neuroglia, synapses, neurotransmitters, meninges, ventricles of the brain and CSF, cerebrum, cerebellum, brain stem, hypothalamus, thalamus, basal ganglia, spinal cord, cranial nerves, stroke, Alzheimer's disease, brain tumour, epilepsy, Parkinson's disease, psychosis, anxiety, depression. 5. Excluded the following topics in Unit V – Health education and nutrition, communicable disease and first aid.
7.	Pharmaceutical Organic Chemistry – II	<ol style="list-style-type: none"> 1. Unit I is changed from Polyaromatic compounds to Benzene. 2. Unit II is changed to Aryl Halides. 3. Unit III is changed from Alcohols, ethers, epoxides, amines to Phenols. 4. Unit IV is changed to Types of reaction and factors influencing the reaction. 5. Excluded the following topics in Unit V – Alpha & beta unsaturated carbonyl compounds, acetoacetic ester, malonic ester, Grignard reagent and diazonium salts.
8.	Pharmacognosy and Phytochemistry – II	Pharmacognosy and Phytochemistry – II Course is removed and a new Course Biochemistry – II is included.
9.	Pharmacognosy and Phytochemistry Laboratory – II	Pharmacognosy and Phytochemistry laboratory – II Course is removed and a new Course Biochemistry Laboratory – II is included.
10.	Biochemistry & Biomolecules – I	Biochemistry & Biomolecules – I Course is removed and a new Course Pharmacy Practice and Pathophysiology – I is included.
11.	Titrimetric Methods of Pharmaceutical Analysis	<ol style="list-style-type: none"> 1. Course name has been changed to Pharmaceutical Analysis and Physical Chemistry - I 2. Unit IV is changed from oxidation reduction titrations to solutions and thermodynamics. 3. Unit V is changed from Gravimetric analysis to second and third law of thermodynamics.
12.	Biochemistry & Biomolecules Laboratory – I	Biochemistry & Biomolecules Laboratory – I Course is removed and a new Course Pharmacy Practice and Pathophysiology Laboratory – I is included.
13.	Biochemistry & Biomolecules –II	Biochemistry & Biomolecules – II Course is removed and a new Course Pharmaceutical Analysis and

		Physical Chemistry – II is included.
14.	Pharmacy Practice & Pathophysiology	<ol style="list-style-type: none"> 1. Course name has been changed to Pharmacy Practice & Pathophysiology– II 2. Unit I is changed from Prescription to incompatibilities. 3. Unit II is changed from Pharmaceutical Calculations to Community Pharmacy. 4. Unit III is changed from Dosage form to Surgical supplies. 5. Unit IV is changed from Basic principles of cell injury and adaptation to Pathophysiology of common diseases. 6. Unit V is changed from Basic mechanism involved in the process of inflammation and repair to Pathophysiology of common diseases.
15.	Biochemistry & Biomolecules Laboratory –II	Biochemistry & Biomolecules Laboratory – II Course is removed and a new Course Pharmaceutical Analysis and Physical Chemistry Laboratory – II is included.
16.	Pharmacy Practice & Pathophysiology Laboratory	<ol style="list-style-type: none"> 1. Course name has been changed to Pharmacy Practice & Pathophysiology Laboratory – II 2. Included the following topics – Preparation of calamine lotions, salicylic acid lotion, white liniment, camphor liniment, compound sodium chloride mouth wash, zinc sulfate and zinc chloride mouthwash, potassium permanganate gargle, phenol glycerine gargle, incompatibilities in sodium salicylate mixture, quinine sulfate mixture. 3. Excluded the following topics – Preparation of syrups, elixures, emulsions, powders, dispensing procedure involving calculations.
17.	Advanced Pharmacognosy – I	<ol style="list-style-type: none"> 1. Course name has been changed to Pharmacognosy and Phytochemistry – I 2. Unit I includes history and development of pharmacognosy 3. Unit II includes general principles of cultivation and collection of vegetable drugs 4. Unit III includes adulteration of crude drugs. 5. Unit IV includes detailed study of crude drugs includes carbohydrates and lipids. 6. Unit V includes detailed study of crude drugs includes volatile oils, saponins, sterols and alkaloids.
18.	Pharmaceutical Biotechnology – I	<ol style="list-style-type: none"> 1. Course name has been changed to Pharmaceutical Microbiology. 2. Unit I excludes total and viable counting techniques of bacteria, growth and cultivation, their nutritional requirements, media and lab culture. 3. Unit II includes total and viable counting techniques of bacteria, growth and cultivation, their nutritional requirements, media and lab culture. 4. Unit III includes detailed study of different methods

		<p>of sterilization.</p> <p>5. Unit IV includes genetic organization of eukaryotes and prokaryotes.</p> <p>6. Unit V includes microbial biotransformation.</p> <p>7. Molecular biology and engineering and molecular biology databases were removed.</p>
19.	Chemistry of Natural Products	Chemistry of Natural Products Course is removed and a new Course Medicinal Chemistry – I is included.
20.	Pharmacology & Therapeutics – I	Course name has been changed to Pharmacology – I.
21.	Biopharmaceutics & Pharmacokinetics	Biopharmaceutics & Pharmacokinetics Course is removed and a new Course Pharmaceutical Dosage Forms and Cosmetic Technology – I is included.
22.	Advanced Pharmacognosy Laboratory – I	<p>1. Course name has been changed to Pharmacognosy and Phytochemistry Laboratory – I</p> <p>2. Included the following topics – identification of crude drugs, microscopical studies of selected drugs and selected powdered drugs of single component or mixture, identification of unorganized drugs.</p> <p>3. Excluded the following topics – extraction of active constituents, hair and skin care preparations, determination of amino acid by chromatography and thin layer chromatography of curcumin.</p>
23.	Pharmaceutical Biotechnology Laboratory – I	Course name has been changed to Pharmaceutical Microbiology Laboratory.
24.	Chemistry of Natural Products Laboratory	Chemistry of Natural Products Laboratory Course is removed and a new Course Medicinal Chemistry Laboratory – I is included.
25.	Pharmacology & Therapeutics Laboratory – I	Course name has been changed to Pharmacology Laboratory – I.
26.	Biopharmaceutics & Pharmacokinetics Laboratory	Biopharmaceutics & Pharmacokinetics Laboratory Course is removed and a new Course Pharmaceutical Dosage Forms and Cosmetic Technology Laboratory – I is included.
27.	Advanced Pharmacognosy – II	Advanced Pharmacognosy – II Course is removed and a new Course Pharmacognosy and Phytochemistry – II is included.
28.	Pharmaceutical Biotechnology – II	<p>1. Course name has been changed to Pharmaceutical Biotechnology.</p> <p>2. Unit II includes production of amylase, catalase, peroxidase, lipase, protease, streptokinase, penicillinase.</p> <p>3. Unit IV includes animal biotechnology and molecular biology & engineering.</p> <p>4. Unit V is changed to access to molecular biology databases.</p>
29.	Medicinal Chemistry – I	<p>1. Course name has been changed to Medicinal Chemistry – II.</p> <p>2. Unit I is changed from drugs acting on ANS to drugs acting on CNS (General anaesthetics, sedatives and hypnotics).</p>

		<p>3. Unit II excludes General anaesthetics, sedatives and hypnotics.</p> <p>4. Unit V includes drugs acting on GIT.</p>
30.	Pharmacology & Therapeutics – II	Course name has been changed to Pharmacology – II.
31.	Pharmaceutical Jurisprudence & Drug Business Management	Pharmaceutical Jurisprudence & Drug Business Management Course is removed and a new Course Pharmaceutical Dosage Forms and Cosmetic Technology –II is included.
32.	Hospital & Clinical Pharmacy	<p>1. Course name has been changed to Hospital & Clinical Pharmacy – II.</p> <p>2. Unit I is changed from organisation and structure of hospital to nuclear pharmacy.</p> <p>3. Unit II is changed from Hospital formulary to adverse drug reactions.</p> <p>4. Unit III is changed from Purchase, distribution and inventory control of drugs in hospitals to drug interactions.</p> <p>5. Unit IV is changed from central sterile supply unit to concept of medication history interviews.</p> <p>6. Unit V is changed from drug information services to therapeutic drug monitoring.</p>
33.	Advanced Pharmacognosy Laboratory – II	Advanced Pharmacognosy Laboratory – II Course is removed and a new Course Pharmacognosy and Phytochemistry Laboratory –II is included.
34.	Pharmaceutical Biotechnology Laboratory – II	Course name has been changed to Pharmaceutical Biotechnology Laboratory.
35.	Medicinal Chemistry Laboratory – I	Course name has been changed to Medicinal Chemistry Laboratory – II.
36.	Pharmacology & Therapeutics Laboratory – II	Course name has been changed to Pharmacology Laboratory – II.
37.	Formulative & Industrial Pharmacy – I	<p>1. Course name has been changed to Formulative Pharmacy and Biopharmaceutics – I.</p> <p>2. Unit III is changed from Liquid dosage forms to capsules.</p> <p>3. Unit IV is changed from cosmeticology to microencapsulation.</p> <p>4. Unit V is changed from sterile pharmaceutical products to tablets.</p>
38.	Instrumental Methods of Pharmaceutical Analysis – I	Course name has been changed to Modern Methods of Pharmaceutical Analysis – I.
39.	Medicinal Chemistry – II	Course name has been changed to Medicinal Chemistry – III.
40.	Pharmacology & Therapeutics – III	Course name has been changed to Pharmacology – III.
41.	Social & Behavioural Science	This Course is removed.
42.	Formulative & Industrial Pharmacy Laboratory – I	Course name has been changed to Formulative Pharmacy and Biopharmaceutics Laboratory – I.
43.	Instrumental Methods of Pharmaceutical Analysis Laboratory – I	<p>1. Course name has been changed to Modern Methods of Pharmaceutical Analysis Laboratory – I.</p> <p>2. Nephelo-turbidimeter is removed.</p>

44.	Medicinal Chemistry Laboratory – II	Course name has been changed to Medicinal Chemistry Laboratory – III.
45.	Pharmacology & Therapeutics Laboratory – III	Course name has been changed to Pharmacology Laboratory – III.
46.	Formulative & Industrial Pharmacy – II	<ol style="list-style-type: none"> 1. Course name has been changed to Formulative Pharmacy and Biopharmaceutics – II. 2. Unit I is changed from Tablets to Prolonged action pharmaceuticals. 3. Unit II is changed from Capsules to Novel Drug Delivery Systems. 4. Unit III is changed from microencapsulation to biopharmaceutics. 5. Unit IV is changed from Novel Drug Delivery Systems to Pharmacokinetics. 6. Unit V is changed from Prolonged action pharmaceuticals to bioavailability and bioequivalence testing.
47.	Instrumental Methods of Pharmaceutical Analysis – II	Course name has been changed to Modern Methods of Pharmaceutical Analysis – II.
48.	Medicinal Chemistry – III	Course name has been changed to Medicinal Chemistry – IV.
49.	Pharmacology & Therapeutics – IV	Course name has been changed to Pharmacology – IV.
50.	Formulative & Industrial Pharmacy Laboratory – II	<ol style="list-style-type: none"> 1. Course name has been changed to Formulative Pharmacy and Biopharmaceutics Laboratory – II. 2. The experiments are changed to formulation and evaluation of capsules, parenteral, microsomes, determination of first order, second order kinetics, calculation of K_a, K_e, half Life, C_{max}, bioavailability, bioequivalence, and AUC.
51.	Instrumental Methods of Pharmaceutical Analysis Laboratory – II	Course name has been changed to Modern Methods of Pharmaceutical Analysis Laboratory – II.
52.	Medicinal Chemistry Laboratory – III	Course name has been changed to Medicinal Chemistry Laboratory – IV.
53.	Pharmacology & Therapeutics Laboratory – IV	Course name has been changed to Pharmacology Laboratory – IV.

The following courses were new courses

Social Pharmacy and Behavioural Science

Communication Skills

Environmental Sciences

Pharmaceutical Jurisprudence

Hospital and Clinical Pharmacy – I

Pharmaceutical Dosage forms and Cosmetic Technology Laboratory – II

Advanced Pharmacognosy – I

Professional Elective Courses (7th Semester)

Advanced Pharmacognosy – II

Professional Elective Courses (8th Semester)

Project Work & Viva Voce

The overall percentage of content change in the syllabus is 32%

Ph.D. Syllabus

The overall percentage of content change in the syllabus is 0%

The meeting came to an end with vote of thanks by the Chairperson,
Dr. R. Sundaraganapathy, Dean, Faculty of Pharmacy, KAHE.