MINUTES OF BOARD OF STUDIES MEETING – 19th February, 2021

The first Board of Studies meeting of the Department of Computer Science is held on 19-02-2021 at 03 P.M. *Through ON-LINE*

Members Present:

1. Chairman :

Sri P.W. Syam Babu
Head, Department of Computer Science(MCA)
Dr. C. S. Rao P.G.Centre, Sri Y.N College (A)
Narsapur
Mobile No: 9010997005
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PW Syam (signature)

2. University Subject Expert : (Participated Through ON-LINE)

Dr. M.Kamala Kumari
Associate Professor, Dept. of Computer Science
Adikavi Nannaya University
Rajamahendravaram.
Mobile No: 9247828511
Email-Id: kamalamarepalli.aknu@gmail.com

3. Subject Expert :

Sri. T. Rama Murthy, MCA, M.Tech, M.phile, (Ph.D),
Director, KGRL College of PG Courses(A)
Bhimavaram
Mobile No: 9440316378
Email-Id: thotaramamurthy1@gmail.com

4. Subject Expert :

Sri Ch. Srinivasa Rao, MCA, M.Tech
Assoc. Professor
Director, S.V.K.P. Dr. K.S Raju Arts & Science College(A)
Penugonda.
Mobile No: 944016658
Email-Id: chiraparapu@gmail.com

5. Representative from Industry :

Sri. T.S. Pardhasaradhi, Team Lead
Tabner Global Soft limited flat No-501, Sri Durga nilayam
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Sri Venkata ramana colony, KPHB Phase 15
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6. Subject Expert & Alumni Member :

Dr.D. Sasi Rajasekhar,
Assoc. Professor, St. Mary's Group of Institutions
Hyderabad.
Mobile No: 9298653573
Mail-Id: dsasirajasekhar@gmail.com

Members

1. Sri P. D. V. N. Kumar, Assistant Professor
2. Sri. K.S. Chakravarthy, Assistant Professor
3. Smt. Ch. Lakshmi, Assistant Professor
4. Sri. G.Kiran Varma, Assistant Professor
5. Ms K. R. Sravanthi, Assistant Professor
6. Smt. B. Karuna, Programmer

19/2/21

AGENDA

1. To discuss and ratify the MCA Programme structure for all the semesters.
2. To discuss and approve the syllabi of the first and second semesters of MCA Programme.
3. To discuss and finalise the pattern and blue prints of the Internal and External Examinations.
4. To discuss and decide the allotment of Internal Marks for Assignments and Seminars.
5. To discuss and ratify the syllabus and other modalities of the Bridge Course intended for Non- IT students in the first semester.
6. To evolve the blue print for Mid and Semester end exams.
7. To discuss and decide the conduct of Lab practical Examinations in the first and second semesters.
8. To discuss the Teaching Methodology to be adopted.
9. To discuss the pattern and modalities of conducting the Skill Development Course with MOOCS during the second semester.
10. To discuss the pattern and modalities of conducting the Two months Summer Internship after the second semester.
11. To discuss and decide the pattern of the Project Work.
12. To discuss the conduct of Viva-Voce of the Project Work.
13. Any other item.

RESOLUTIONS

Resolution 1 : It is decided to offer the MCA programme in **four** semesters with **six** papers and two labs in first, second and third semesters. All papers in the first semester are **core papers.** In the second and third semesters **three Electives** will be offered along with the core papers. Candidates have to undergo project work for four months during the fourth semester. **Bridge Course** is mandatory for Non-IT students during the first semester. **Skill Development Course** will be offered to the students during the second semester.

Every student has to do **summer internship** for 2 months during first year summer i.e. after the completion of second semester to be evaluated during third semester.

The **MCA** programme consists of 18 papers (15 core+3 electives), 6 Labs, Bridge Course, Skill Development Course, Summer Internship, one Project Work and Viva-Voce. Each paper will have 4 credits, each Lab will have 2 credits, for Bridge Course 50 Internal Marks, for Skill Development Course 50 Internal Marks, for Summer Internship 50 Internal Marks, for Project work 12 credits and in total, the programme will have 96 credits (28+28+28+12).

Resolution 2 : Programme Structure It is unanimously decided to adopt the following Programme/course structure for the first and second semesters of MCA:

MCA SEMESTER - I

Code	Course Title	Max Marks		Total Marks	Hours per week		Credits
		External	Internal		Theory	Practical	
MCA-20101	Discrete Mathematical Structures	75	25	100	4	-	4
MCA-20102	Management Accountancy	75	25	100	4	-	4
MCA-20103	C Programming & Data Structures	75	25	100	4	-	4
MCA-20104	Computer Organization	75	25	100	4	-	4
MCA-20105	Operating Systems	75	25	100	4	-	4
MCA-20106	Design & Analysis of Algorithms	75	25	100	4	-	4
MCA-20107	C Programming & Data Structures Lab	50	50	100	-	3	2
MCA-20108	Operating Systems and Computer Organization Lab	50	50	100	-	3	2
Total Credits							28

Note: Bridge Course is Mandatory for Non-IT students and the students must pass the course with minimum 50% of marks.

MCA SEMESTER - II

Code	Course Title	Max Marks		Total Marks	Hours per week		Credits
		External	Internal		Theory	Practical	
MCA-20201	Computer Networks	75	25	100	4	-	4
MCA-20202	Object Oriented Programming through JAVA	75	25	100	4	-	4
MCA-20203	Database Management Systems	75	25	100	4	-	4
MCA-20204	Formal Languages and Automata Theory	75	25	100	4	-	4
MCA-20205	Data Mining Concepts and Techniques	75	25	100	4	-	4
MCA-20206	Elective-I 1.Artificial Intelligence and Expert Systems 2.Internet of Things 3.Image Processing	75	25	100	4	-	4
MCA-20207	Object Oriented Programming through JAVA Lab	50	50	100	-	3	2
MCA-20208	Database Management Systems Lab	50	50	100	-	3	2
MCA-20209	Skill Development Course with MOOCS	-	50	50	1	2	0
	Total Credits						28

Note: 2 lab Hrs and 1 Theory Hrs/Week or 2 Theory Hrs/ Week for Skill Development Course. Students must do a mini project using any one Scripting Languages (PERL/Python/PHP) in Skill Development Course.

Resolution 3 : Exam Pattern, Blue Print and Marks : It is resolved to conduct examinations in every Semester in two modes – Internal and External. The **Internal/Mid** Exams will carry 25 Marks and the External Examinations will carry 75 Marks.

Resolution 4 : Allotment of Internal Marks: It is decided to conduct two Internal/Mid Examinations in every Semester for every paper. The theory exam would be conducted for 20 Marks. The average of the two internal exams would be finalised. 5 marks will be allotted for two assignments(2 Marks) and one seminar(3 Marks).

Written test(Average of Two Mids)	20 Marks
Assignments(Two)	2 Marks
Seminar(One)	3 Marks
Total	25 Marks

Resolution 5 : Bridge Course intended for Non- IT students : It is resolved to conduct the **Bridge Course** for Non-IT students and the students must pass the course with minimum 50% of marks. **The Internal Examination will be conducted for 50 Marks** in the prescribed syllabus.

Resolution 6 – Blue Print: It is resolved to implement the following Blue Print for the Mid and Semester End exams.

In the Internal question paper the student has to write:

Three Short Notes out of 4 for 6 Marks
Two Essays (Either or Choice) for 14 Marks.

In the External theory exam paper the student has to write 2 sections:

Section – A : 4 Essays (Either or Choice)- 4x15=60 Marks
Section – B : 5 Short Notes out of 8 - 5x3=15 Marks

Resolution 7 - Lab Practicals: The practical examinations will be conducted and valued by both internal and external examiners at the end of each semester. The viva- voce examination will be conducted on project work by both internal and external examiners at the end of the fourth semester.

Each practical paper carries 50 marks for external evaluation process in which both the internal and external examiners conduct the examination. Out of these 50 marks 20 marks are allocated for program writing, 10 marks for program execution, 10 marks are for Record and 10 marks for Viva-voce examination of the student.

Each practical paper carries 50 marks for internal evaluation process in which the internal examiner conduct the examination. Out of these 50 marks 20 marks are allocated for program writing, 10 marks for program execution, 10 marks are for Record and 10 marks for Viva-voce examination of the student.

Resolution 8 - Teaching Methodology: It is resolved that PPTs, Seminars, Group Discussions, Case Studies and Online Methods shall be the teaching methodology in addition to the traditional Class Room Lectures.

Resolution 9 - Skill Development Course with MOOCS : It is resolved that **Skill Development Course with MOOCS** is to be offered to the students during the second semester. Students must do a mini project using the Scripting Language **Python** and the Internal exam will be conducted for 50 Marks.

Resolution 10 – Summer Internship : It is resolved that every student has to do **summer internship** for 2 months during first year summer i.e. after the completion of second semester to be evaluated during third semester for 50

Internal Marks

Resolution 11 - Project Work : It is resolved that Candidates have to undergo project work for four months during the fourth semester. The project work is to be done by every student in Software Industries and National Institutes by choosing a relevant topic in one of the latest technologies.

Every student, under the direction of a faculty guide and industry guide, has to develop a project report on the work done and submit to the department at the end of 4th semester. **The project report will be evaluated for 400 Marks.** The internal marks 200 will be awarded by the **Department Committee** based on the PowerPoint presentation of the student on his work. The Department Committee shall consist of all the faculty members.

The External Marks 200 will be awarded by the Examiners Committee comprising the Department Head, One Senior Faculty Member and One External Examiner having 10 years of experience preferably Ph.D degree from an Autonomous College MCA Dept. or a Senior Faculty Member from the Parent University or any other University.

Resolution 12 - Viva Voce: it is resolved that at the end of the Fourth Semester, a Comprehensive Viva Voce Examination is to be conducted on the project work executed by the student for 12 credits.

The Viva will be conducted by the Examiners Committee as mentioned in the Resolution 11.