Agenda for 7th Meeting of Board of Studies for PG Program MCA on 22nd April, 2016
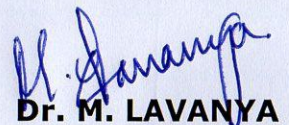
1. Action taken report on minutes/resolutions of 6th BOS meeting.

2. Report on implementation of autonomy with respect to syllabi and regulations (SVEC14 II MCA.).

3. MCA Academic Calendar for 2016-17

4. Vision and Mission of the Department, PEOs, POs & PSOs and Course Structures of MCA Program.

5. Administrative Setup for MCA Program.

6. Course Structure of MCA Program.

7. Syllabi with Course Objectives & Outcomes, Lesson Plans and Question Banks for I-year Courses of MCA Program.

8. Panel of paper setters for I Semester Courses of MCA Program.

9. Teaching, Learning and Evaluation.

10. Research Activities.

11. Faculty Development Activities.

12. Staff Development Activities.

13. Student Development Activities.

14. Student Support Systems.

15. Extension Activities.

16. Extension of academic period to MCA students under SVEC10 regulations.

17. Any other item.

Dr. M. LAVANYA
Chairperson (BOS)

7th Board of Studies Meeting in M.C.A. held on 22-04-2016

Members Present:

Dr. T. V. Suresh Kumar
Registrar (Academics), Professor & Head,
Dept. of Computer Applications,
M. S. Ramaiah Institute of Technology, Bangalore.

External Member (AC Nominee) — [NOT PRESENT]

Dr. K. Madhavi
Officer I/c Academic Section, Dept. of CSE,
JNTUA College of Engineering, Anatapuramu

External Member (JNTUA Nominee)

Dr. G. Anjan Babu
Professor,
S. V. U. College of Commerce, Management & Computer Science,
Sri Venkateswara University, Tirupati

External Member (AC Nominee)

Mr. D. Sitarama Sarma
Delivery Manager, Virtusa India Pvt. Ltd.,
Hyderabad.

External Member (AC Nominee)

Mr. Krishna Pradeep Putta
Deputy Manager, Global View Application Support
ADP Wilco India Pvt. Ltd.,
Hyderabad.

External Member (AC Nominee)

Dr. M. Lavanya
Assistant Professor (SL), MCA Department, SVEC

Chairperson

Dr. K. Suneetha
Assistant Professor (SL), MCA Department, SVEC

Internal Member

Dr. A. Jyothi Babu
Associate Professor, MCA Department, SVEC

Internal Member

Ms. M. Sowmya Vani
Assistant Professor, MCA Department, SVEC

Internal Member

Mr. Y. Kiran Kumar
Assistant Professor, MCA Department, SVEC

Internal Member

Minutes:

1. **Action Taken Report** on Minutes of the 6th BOS Meeting held on 10-04-2015.
   - The Syllabi of MCA I and II years as approved in 6th BOS Meetings and subsequently in Academic Council are implemented.
   - As Resolved in 6th BOS Meeting, Model Question Papers and Panel of Examiners are prepared and submitted to the Principal & Chairman, Academic Council.

2. The External Members perused the syllabi of SVEC-14 regulations and suggested the following points are implemented successfully.

   a. The Course Data structure is included during II Semester.

   b. The Course Structure in each semester contains 5 theory and 3 laboratory courses.

   c. Make Professional Communication as a Mandatory Course renamed as Soft Skills Laboratory.

   d. Included Big Data Analytics and Cloud computing with their respective laboratories.

   e. It is resolved to include BDA Lab during IV Semester.

   f. The Course Cloud Computing is revised by during V Semester.

3. Perused and approved the **Academic Calendar** for I, II and III year MCA as enclosed in **Annexure-I**.

4. Perused and approved the **Vision and Mission of the Department, Program Educational Objectives, Program Outcomes and Program Specific Outcomes** as enclosed in **Annexure-II** and the following points are suggested to improve the **Course Structure** as enclosed in **Annexure-III and syllabi of MCA Program.**

   a. Equivalent papers should be identified and placed in the regulations.

   b. Academic calendar for all semesters for the batch admitted during the particular academic year should be prepared.

   c. For each course 4 credits should be allotted as total marks is 100.

   d. Knowledge Management course may be replaced in IV semester Professional Elective.

   e. Rename Network security with Information security.

   f. Enterprise Resource planning may be replaced with a new course.

   g. Assign 50 marks for seminar with 2 credits

   h. Assign 250 marks for project work in VI semester as follows:

Department of MCA

External Evaluation:

    a. Project Report   : 50 Marks

    b. Execution   : 50 Marks

    c. Viva-Voce   : 50 Marks

Internal Evaluation:

    a. Paper Presentation in National/International Conference : 50 Marks

    b. Phase-I and Phase-II Review: 50 Marks.

5. AFM Lab component using Ms-Excel to be included in IT lab.

6. MOOC can include the following vendors for certification:

- Sun Java
- Oracle
- CISCO
- PEGA
- ISTQB

7. Data conversion tools and Middle ware tools can be included in Add-On courses.

8. Perused and approved the **Course Objectives, Course Outcomes, Syllabi and Lesson plans of I MCA Program** as enclosed in **Annexure-IV**.

9. It is resolved to authorize Chairperson, BOS for preparing List of **Panel of examiners** and Paper setters for MCA I, II and III years within 15 days after the commencement of Class Work in each semester and submit to the Principal & Chairman, Academic Council.

10. Perused and approved the **Panel of examiners** for the Courses of I MCA as enclosed in **Annexure-V**.

11. Perused and approved the Question Bank for the Courses of First year MCA as enclosed in **Annexure-VI**.

12. The Members noted **Teaching, Learning and Evaluation Practices**:

    a. Procedure followed in Time Tables formulation and allocations to the Faculty Members are as per AICTE norms.

    b. The practice of Teaching Plan and Schedule for each course.

    c. It is resolved to organize an Add-on course during each semester to increase placement opportunities to the students as per the list enclosed in **Annexure-VII**.

The External Members appreciated about Add-on Courses introduced in each of the semester.

13. The following **Research Activities** were perused and noted by the BOS Members

    a. The Research Committee of the Department consists of the following Faculty members.
- i. Dr. K. Suneetha
- ii. Dr. A. Jyothi Babu
- iii. Dr. M. Lavanya
- iv. Ms. M. Sowmya Vani
- v. Mr. C. Ananda Kumar Reddy
- vi. Mr. Mr. Y. Kiran Kumar

    b. The Department encouraged to do research and consultancy activities in the areas of,
- i. Big Data Analytics
- ii. Cloud Computing
- iii. Web Mining
- iv. Service Oriented Architecture
- v. Business Intelligence and Decision Support Systems

    c. The College is encouraging the research activities. In this regard, a Research Advisory Committee (RAC) is formed in Computer Sciences. The RAC organizes Technical Talks in the emerging areas of the Computer Science. All the Faculty members of Computer Science will attend these technical talks to enhance their skills. The RAC advices and track the progress of various research activities in the Department.

    d. The Department has received Project Grants as listed below:
- i. A Grant of Rs. 3.30 Lakhs from AICTE towards the Modernization of Data Mining Lab.
  Project Co-Ordinator: Dr. R.Md. Shafi
- ii. Received a grant of Rs. 2.0 Lakhs from DST for the project SUNAYAS MATH – A Mathematical Tool for Young Minds.
  Principal Investigator   -   Dr. A. Jyothi Babu
  Co-Investigator   -   Mr. Y. Kiran Kumar
  Co-Investigator   -   Mr. P. Suresh
- iii. Received a grant of Rs. 0.60 Lakhs from UGC (Minor Research Project) for the project EZ-NEWS : An Application to provide online NEWS articles as per individual preferences.

CGPA). The Gold Medal was presented during Annual Day Celebrations of the College on 19-03-2016.

The External Members satisfied for the steps taken towards the upliftment of weak learners and at the same time encouragement and support given to the bright students.

16. The Members of BOS noted **Student Support System** for all round growth and development of Students.
    a. Counseling Mechanism
    b. CPRS (Campus Placement Related Skills) Program
    c. Seventh Sense Talent Solutions
    d. Campus Selections
    e. IIIC Activities

17. The Members of BOS noted the following **Extension Activities**
    a. The Department is encouraging students to participate in various community oriented activities through IMAC (Students' Technical Association) every year.
    b. Some of the Events organized are
        i. Oracle Business Intelligence Enterprise Edition (OBIEE) for College Student on 18-04-2015.
        ii. TECHNOTSAV-2015 from 16th to 20th November 2015 and 22nd to 27th February 2016.
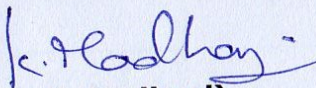   iii. Blood donation during 19-03-2016.

The External Members expressed their satisfaction for the steps taken in involving students over social activities.
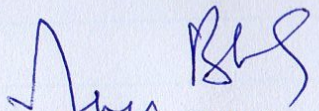
18. Extension of Academic Period to M.C.A Students under **SVEC10 regulations:**
    While noting the issue of non completion of project work by **Mr. Avula Vishnukanth Reddy** and **Mr. A. Vinodh** bearing roll numbers **10121F0006** and **10121F00B3** respectively, students of MCA, the members resolved to extend the period for completion of the degree by 2016-17 as a special case on humanity grounds, subject to approval of Academic council of the college.
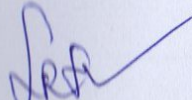
Signatures of the Members:

(Dr. T. V. Suresh Kumar)   (Dr. K. Madhavi)   (Dr. G. Anjan Babu)
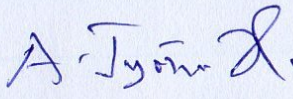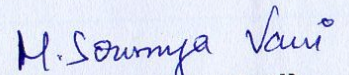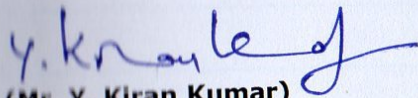
(Mr. D. Sitarama Sarma)   (Mr. P. Krishna Pradeep)   (Dr. M. Lavanya)

(Dr. K. Suneetha)   (Dr. A. Jyothi Babu)   (Ms. M. Sowmya Vani)

(Mr. Y. Kiran Kumar)

Department of MCA

Approved Course Structure
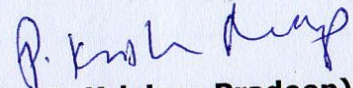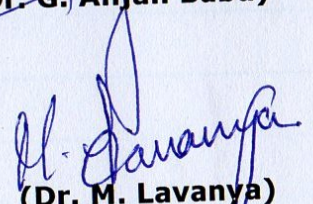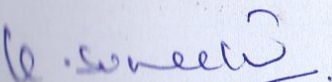
Program   : MCA- Master of Computer Applications
Regulations   : SVEC14

MCA I – Semester

S.No.	Course Code	Course Title	Periods Per Week			Credits	Max. Marks		
			L	T	P		Internal Exam	External Exam	Total
Theory									
1.	14MC1HS01	Accounting and Financial Management	3	1	-	3	40	60	100
2.	14MC1BS01	Mathematical Foundations of Computer Science	3	1	-	3	40	60	100
3.	14MC10101	Programming through C	3	1	-	3	40	60	100
4.	14MC10102	Computer Organization	3	1	-	3	40	60	100
5.	14MC10103	Data Structures	3	1	-	3	40	60	100
6.	14MC1HS02	Professional Communication	2	1	-	2	40	60	100
Practical									
7.	14MC10121	Programming in C & Data Structures Lab	-	-	3	2	25	50	75
8.	14MC10122	IT & Management Lab	-	-	3	2	25	50	75
Total			17	6	6	21	290	460	750

MCA II – Semester

S.No.	Course Code	Course Title	Periods Per Week			Credits	Max. Marks		
			L	T	P		Internal Exam	External Exam	Total
Theory									
1.	14MC2BS01	Probability and Statistics	3	1	-	3	40	60	100
2.	14MC20101	Operating Systems	3	1	-	3	40	60	100
3.	14MC20102	Object Oriented Programming	3	1	-	3	40	60	100
4.	14MC20103	Database Management Systems	3	1	-	3	40	60	100
5.	14MC20104	Software Engineering	3	1	-	3	40	60	100
6.	14MC2HS01	Professional Ethics	3	1	-	3	40	60	100
Practical									
7.	14MC20121	Object Oriented Programming through JAVA Lab	-	-	3	2	25	50	75
8.	14MC20122	Database Management Systems Lab	-	-	3	2	25	50	75
Total			18	6	6	22	290	460	750

MCA III – Semester

| S.No. | Course Code | Course Title | Periods Per Week | | | Credits | Max. Marks | | |
			L	T	P		Internal Exam	External Exam	Total
Theory									
1.	14MC3HS01	Organizational Behavior and Human Resource Management	3	1	-	3	40	60	100
2.	14MC3BS01	Operations Research	3	1	-	3	40	60	100
3.	14MC30101	Object Oriented Analysis and Design	3	1	-	3	40	60	100
4.	14MC30102	Data Warehousing and Data Mining	3	1	-	3	40	60	100
5.	14MC30103	Computer Networks	3	1	-	3	40	60	100
Practical									
6.	14MC30121	Object Oriented Analysis and Design & Networks Lab	-	-	3	2	25	50	75
7.	14MC30122	Data Warehousing and Data Mining Lab	-	-	3	2	25	50	75
Total			15	5	6	19	250	400	650
8.	14MC3HS02	*English Language and Communication Skills Lab	--	--	3	--	--	--	--

MCA IV – Semester

S.No.	Course Code	Course Title	Periods Per Week			Credits	Max. Marks		
			L	T	P		Internal Exam	External Exam	Total
Theory									
1.	14MC40101	Management Information Systems	3	1	-	3	40	60	100
2.	14MC40102	Web Programming	3	1	-	3	40	60	100
3.	14MC40103	Big Data Analytics	3	1	-	3	40	60	100
4.	14MC40104 14MC40105 14MC40106 14MC40107	Elective-I i. Service Oriented Architecture ii. Software Project Management iii. User Interface Design iv. Design Patterns	3	1	-	3	40	60	100
5.	14MC40108 14MC40109 14MC40110 14MC40111	Elective-II i. Advanced Data Base Management Systems ii. Social Media iii. Semantic Web iv. Information Retrieval Systems	3	1	-	3	40	60	100
6.	14MC4HS01	Business Communication and Presentation Skills	3	1	-	3	40	60	100
Practical									
7.	14MC40121	Web Programming Lab	-	-	3	2	25	50	75
8.	14MC40122	Mini Project	-	-	-	2	25	50	75
Total			18	6	3	22	290	460	750

MCA V – Semester

S.No.	Course Code	Course Title	L	T	P	Credits	Internal Exam	External Exam	Total
			\multicolumn{3}{c}{Periods Per Week}		\multicolumn{3}{c}{Max. Marks}		
**Theory**										
1.	14MC50101	Information Security	3	1	-	3	40	60	100
2.	14MC50102	Software Testing	3	1	-	3	40	60	100
3.	14MC50103	Cloud Computing	3	1	-	3	40	60	100
4.	14MC50104 14MC50105 14MC50106 14MC50107	**Elective-III** i. Mobile Application Development ii. Unix Internals iii. Middleware Technologies iv. Network Management	3	1	-	3	40	60	100
5.	14MC50108 14MC50109 14MC50110 14MC50111	**Elective-IV** i. Business Intelligence ii. Enterprise Resource Planning iii. E-Commerce iv. Multimedia Application Development	3	1	-	3	40	60	100
**Practical**										
6.	14MC50121	Information Security Lab	-	-	3	2	25	50	75
7.	14MC50122	Software Testing Lab	-	-	3	2	25	50	75
Total			**17**	**3**	**6**	**19**	**250**	**400**	**650**
8.	14MC50123	*Cloud Computing Lab	-	-	3	-	-	-	-

MCA VI – Semester

S.No.	Course Code	Course Title	Credits	Internal Exams	External Exam	Total
				Max. Marks		
1.	14MC60121	Seminar	2	-	50	50
2.	14MC60122	Project Work	12	80	120	200
Total			**14**	**80**	**170**	**250**

*Audit Course

Total Credits → 117

Total marks → 3800
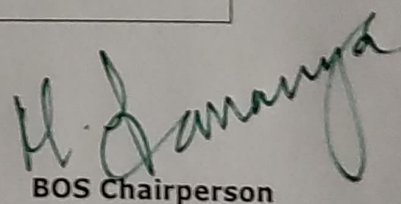
signature

BOS-Chairperson

SVEC14- Master of Computer Applications

LIST OF NEW COURSES INTRODUCED

Program : MCA- Master of Computer Applications

Regulations : SVEC-14

Course Code	Name of the course
14MC1HS02	Professional Communication
14MC2HS01	Professional Ethics.
14MC40103	Big Data Analytics
14MC40106	User Interface Design
14MC40107	Design Patterns
14MC40109	Social Media
14MC4HS01	Business Communication And Presentation Skills
14MC50102	Software Testing
14MC50103	Cloud Computing
14MC50104	Mobile Application Development
14MC50105	Unix Internals
14MC50107	Network Management
14MC50108	Business Intelligence
14MC50109	Enterprise Resource Planning
14MC50121	Information Security Lab
14MC50122	Software Testing Lab

BOS Chairperson