SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
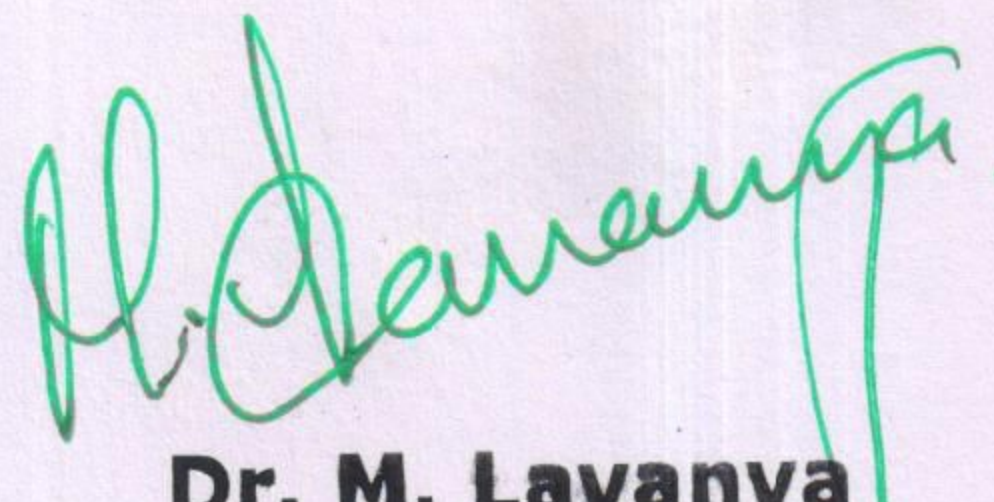### Sree Sainath Nagar, A. Rangampet-517 102

Agenda for 9th Meeting of Board of Studies for MCA Program on 26-05-2018 @ 9:30 AM

1. Action taken report on minutes/ resolutions of 8th BOS meeting.

2. Report on implementation of autonomy with respect to syllabi and regulations (SVEC16 II MCA).

3. Academic Calendar for 2018-19

4. Proposed Course Structure.

5. Teaching, Learning and Evaluation.

6. Research Activities.

7. Faculty Development Activities.

8. Staff Development Activities.

9. Student Development Activities.

10. Student Support Systems.

11. Extension Activities.

12. Any other item.

Dr. M. Lavanya
Chairperson (BOS)

9th Board of Studies Meeting in M.C.A. held on 26-05-2018

Members Present:

Dr. G. Anjan Babu
Professor & HOD
Department of Computer Science,
Sri Venkateswara University,
Tirupati

Mr. D. Sitarama Sarma
Delivery Manager
Ruletronics Systems Pvt.Ltd,
#20-3/1-46,3rd Lane,
New Ayodhya Nagar,
Vijayawada-520003

Mr. P. Krishna Pradeep
Project Manager
ADP India Pvt. Ltd.,
6-3-1091/C/1, Fortune 9 Building,
Raj Bhavan Road, Somajiguda,
Hyderabad - 500 082.

Dr. M. Lavanya
Assistant Professor (SL),
MCA Department,
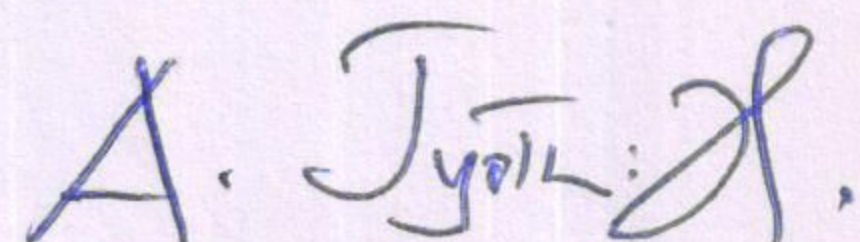Sree Vidyanikethan Engineering College,
Sree Sainath Nagar, TIrupati-517102

Dr. K. Suneetha
Professor & Head,
MCA Department,
Sree Vidyanikethan Engineering College,
Sree Sainath Nagar, TIrupati-517102

External Member
(AC Nominee)

External Member
(AC Nominee)

External Member
(AC Nominee)
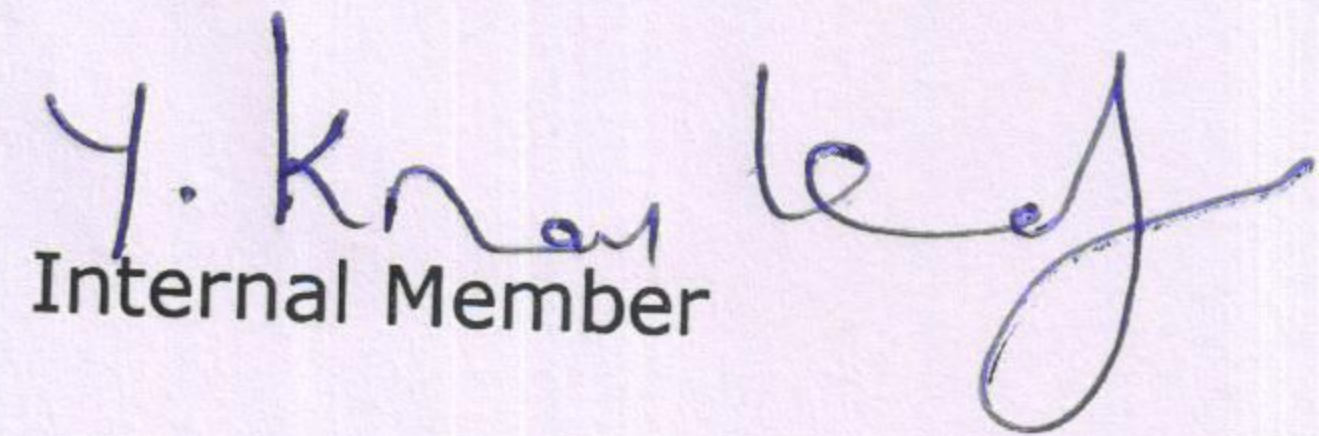
BOS Chairperson

Internal Member

Dr. A. Jyothi Babu
Associate Professor,
MCA Department,
Sree Vidyanikethan Engineering College,
Sree Sainath Nagar, TIrupati-517102

Internal Member

Mr. Y. Kiran Kumar
Assistant Professor,
MCA Department,
Sree Vidyanikethan Engineering College,
Sree Sainath Nagar, TIrupati-517102

Internal Member

Minutes:

1. **Action Taken Report** on Minutes of the 8th BOS Meeting held on 27-03-2017.
   - The Syllabi of MCA II year are approved in 8th BOS Meeting and subsequently in Academic Council are implemented.
   - Successfully implemented the autonomy with respect to syllabi and regulations (SVEC16 II MCA) for the academic year 2017-18.
   - As Resolved in 8th BOS Meeting, Model question papers and Panel of Examiners are prepared and submitted to the Principal & Chairman, Academic Council.

2. The External Members perused course structure, and suggested the following points are implemented successfully.

   a. Adopted open source technologies in Big Data Analytics and Cloud computing Laboratories while framing the syllabi of II MCA and Big Data Analytics Lab was implemented successfully in SVEC16 regulations for academic year 2017-18.
   b. Linux Programming course along with laboratory were included and implemented in II MCA SVEC-16 regulations.

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

4. Perused and suggested to improve the **Course Structure** as enclosed in **Annexure-II** of MCA Program.

   - External BOS members appreciated the proposed course structure and suggested to implement courses with practical exposure.
   - Suggested to publish and present papers in journals and conferences for project work in VI Semester.
   - Recommended to introduce Neural networks concepts in Deep Learning Course.
   - Advised to strengthen Agile process model by using open source dash board.
   - Suggested to train the students and get certifications in PEGA CSA, CSSA, RPA.
   - Advised to use JIRA dash board to monitor and review the status of the project work along with supervisors.
   - Suggested to conduct Expert lectures for Block Chain Technologies, Deep Learning & Artificial Intelligence for students.
   - Advised to replace Multimedia and Application Development with Hypertext Preprocessor.

5. 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.

6. Perused and approved the **Panel of examiners** for the Courses of I, II and III MCA as enclosed in **Annexure-III**.

7. Perused and approved the Layout of model question papers for the Courses of I, II and III year MCA as enclosed in **Annexure-IV**.

8. 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-V**.

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

9. 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. Y. Kiran Kumar

    b. The Department encouraged to do research and consultancy activities in the areas of,
- i. Data Warehousing and Data Mining
- ii. Software Quality Assurance and Testing
- iii. SOA and Cloud Computing
- iv. Business Intelligence
- v. Data Sciences
- vi. Operations Research
- vii. Internet of Things (IoT)

    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 applied/received Project Grants as listed below:

Sl. No.	Name of the research project	Sanctioned/ Proposed	Name of the PI and Co-investigator	Cost of the project, Rs. (lakh)	Name of the funding agency
1.	Machine Learning, Data Science and Analytics	Proposed	Dr. K. Suneetha	19,84,314	AICTE
2.	Cloud Computing and Big Data Laboratory(CCBD)	Proposed	Dr. K. Suneetha	7,00,000	AICTE
3.	Recommender System to Classify Antenatal Records of Pregnant Women to Extract Patterns for the Risk Prediction for Gestational Diabetes Mellitus(GDM) using Prediction Models (RSPM)	Proposed	Dr. M. Lavanya	21,60,000	AICTE

The External Members have suggested,

      i. To collaborate with reputed research and development centers to proceed with the improvement of research activities.

      ii. To apply for individual minor/major projects in the concerns like UGC, AICTE, DST...etc.,

10. The following **Faculty Development Activities** were perused and noted by the BOS Members

    a. The Faculty members of the department have published their papers in renowned Journals.

    b. The Management is encouraging Faculty by providing Incentives of Rs. 2000/- for 100% results and Rs. 1000/- for above 95% results.

    c. The Management is encouraging the Faculty to enhance their abilities by providing Registration Fee, TA and other Allowances for attending FDPs / Workshops / Seminars / Conferences.

    d. The Department has Feedback mechanism to assess the Faculty.

The External Members appreciated about the healthy and emulatable practices of the Department for the holistic growth of the Faculty Members.

11. The following **Student Development Activities** were perused and noted by the BOS Members

    a. Based on the performance of the students in the I Mid Examination, weak learners are identified and remedial classes will be conducted and bright students are encouraged to participate in the Technical Symposiums conducted in and around the College.

    b. The Department has organized many Expert Lectures, Guest Lectures, Workshops and Seminars.

    c. The Department has a Student Technical Association, IMAC (Intellectual Master's Association of Computers). The student coordinators will take lead to organize various technical activities. The Inauguration and Valedictory Functions of the Association will be organized every year.

d. PUNDLA LAVANYA of MCA 2014-17 batch has received *Nellore Lakshmi devamma* endowment Gold Medal by securing 86.97% of marks (8.85 CGPA). The Gold Medal was presented during Annual Day Celebrations of the College on 19-03-2017.

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.

12. The Members of BOS noted **Student Support System** for all round growth and development of Students.
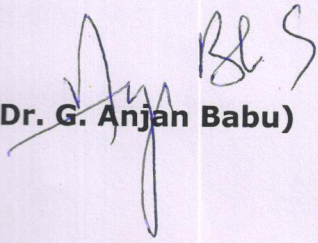
   a. Counseling Mechanism
   b. CPRS-Remedial Training Program (Aptitude)
   c. Training Program on Aptitude, Reasoning, Verbal & Soft skills, Mock Interviews and Training Program on Aptitude, Reasoning, Verbal & Soft skills by SMART Training Resources India Pvt. Ltd, Chennai.
   d. Start-up fund
   e. Campus Selections
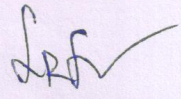
13. The Members of BOS noted the following **Extension Activities**
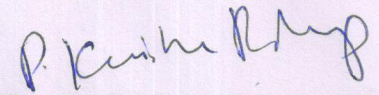
   a. The Department is encouraging students to participate in various community oriented activities through IMAC (Students' Technical Association) every year.
   b. Some of the Events organized are
      i. Awareness Programme on Demonetization, Z.P.High School, Cherlopalli.
      ii. Helping Hands to Arunodaya Sevashram, Tirupati
      iii. Blood donation during 19-03-2018.

The External Members expressed their satisfaction for the steps taken in involving students over social activities.
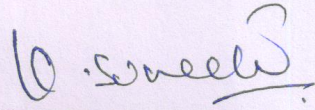
Signatures of the Members:
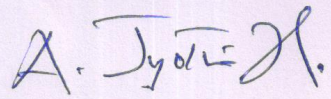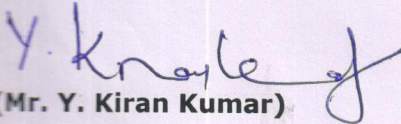
(Dr. G. Anjan Babu) (Mr. D. Sitarama Sarma) (Mr. P. Krishna Pradeep)

(Dr. M. Lavanya) (Dr. K. Suneetha) (Dr. A. Jyothi Babu)

(Mr. Y. Kiran Kumar)

Approved Course Structure

Program: MCA- Master of Computer Applications
Regulations: SVEC-16

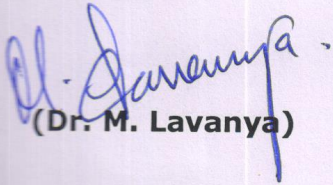| S. No	Course Code	Course Title	L	T	P	Credits	Max. Marks		
							IE	EE	Total
MCA I- Semester									
Theory									
1.	16MC1HS01	Accounting and Financial Management	4	-	-	4	40	60	100
2.	16MC1BS01	Mathematical Foundations of Computer Science	4	-	-	4	40	60	100
3.	16MC10101	Computer Organization	4	-	-	4	40	60	100
4.	16MC10102	Operating Systems	4	-	-	4	40	60	100
5.	16MC10103	Programming in C	4	-	-	4	40	60	100
Practical									
6.	16MC1HS31	English Language Laboratory	-	-	3	2	50	50	100
7.	16MC10131	IT Lab	-	-	3	2	50	50	100
8.	16MC10132	Programming in C Lab	-	-	3	2	50	50	100
TOTAL			20	-	9	26	350	450	800

S. No	Course Code	Course Title	L	T	P	Credits	Max. Marks		
							IE	EE	Total
MCA II- Semester									
Theory									
1.	16MC2BS01	Probability and Statistics	4	-	-	4	40	60	100
2.	16MC20101	Database Management Systems	4	-	-	4	40	60	100
3.	16MC20102	Data Structures	4	-	-	4	40	60	100
4.	16MC20103	Object Oriented Programming through JAVA	4	-	-	4	40	60	100
5.	16MC20104	Software Engineering	4	-	-	4	40	60	100
Practical									
6.	16MC20131	Database Management Systems Lab	-	-	3	2	50	50	100
7.	16MC20132	Data Structures Through C Lab	-	-	3	2	50	50	100
8.	16MC20133	Object Oriented Programming Through JAVA Lab	-	-	3	2	50	50	100
		TOTAL	20	-	9	26	350	450	800

S. No	Course Code	Course Title	L	T	P	Credits	Max. Marks		
							IE	EE	Total
MCA III- Semester									
Theory									
1.	16MC3HS01	Organizational Behavior and Human Resource Management	4	-	-	4	40	60	100
2.	16MC3BS01	Operations Research	4	-	-	4	40	60	100
3.	16MC30101	Computer Networks	4	-	-	4	40	60	100
4.	16MC30102	Data Warehousing and Data Mining	4	-	-	4	40	60	100
5.	16MC30103	Object Oriented Analysis and Design	4	-	-	4	40	60	100
Practical									
6.	16MC30131	Computer Networks Lab	-	-	3	2	50	50	100
7.	16MC30132	Data Warehousing and Data Mining Lab	-	-	3	2	50	50	100
8.	16MC30133	Object Oriented Analysis and Design Lab	-	-	3	2	50	50	100
		TOTAL	20	-	9	26	350	450	800

SVEC16-Master of Computer Applications

S. No	Course Code	Course Title	L	T	P	Credits	Max. Marks		
							IE	EE	Total
		MCA IV- Semester							
Theory									
1.	16MC40101	Big Data Analytics	4	-	-	4	40	60	100
2.	16MC40102	LINUX Programming	4	-	-	4	40	60	100
3.	16MC40103	Web Programming	4	-	-	4	40	60	100
4.	**Professional Elective – I**		4	-	-	4	40	60	100
	16MC40104	i. Service Oriented Architecture							
	16MC40105	ii. Internet of Things							
	16MC40106	iii. Computer Forensics							
	16MC40107	iv. E-Commerce							
5.	**Professional Elective – II**		4	-	-	4	40	60	100
	16MC40108	i. Software Project Management							
	16MC40109	ii. Information Retrieval Systems							
	16MC40110	iii. Wireless Networks							
	16MC40111	iv. Business Intelligence							
Practical									
6.	16MC4HS31	Soft Skills Laboratory	-	-	3	2	50	50	100
7.	16MC40131	Big Data Analytics Lab	-	-	3	2	50	50	100
8.	16MC40132	LINUX and Web Programming Lab	-	-	3	2	50	50	100
9.	16MC4MOOC	**Massive Open Online Course (MOOC)**	--	-	-	--	--	--	--
		TOTAL	20	-	9	26	350	450	800

SVEC16-Master of Computer Applications
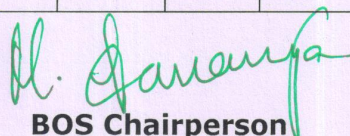
S. No	Course Code	Course Title	L	T	P	Credits	Max. Marks		
							IE	EE	Total
MCA V- Semester									
Theory									
1.	16MC50101	Cloud Computing	4	-	-	4	40	60	100
2.	16MC50102	Mobile Application Development	4	-	-	4	40	60	100
3.	16MC50103	Software Testing	4	-	-	4	40	60	100
4.	**Professional Elective – III**		4	-	-	4	40	60	100
	16MC50104	i. Software Quality Assurance							
	16MC50105	ii. Semantic Web							
	16MC50106	iii. Information Security							
	16MC50107	iv. Enterprise Resource Planning							
5.	**Professional Elective –IV**		4	-	-	4	40	60	100
	16MC50108	i. Management Information Systems							
	16MC50109	ii. Bioinformatics							
	16MC50110	iii. Ethical Hacking							
	16MC50111	iv. Multimedia and Rich Internet Application Development							
Practical									
6.	16MC50131	Cloud Computing Lab	-	-	3	2	50	50	100
7.	16MC50132	Mini Project	-	-	-	2	50	50	100
8.	16MC50133	Comprehensive Assessment	-	-	-	2	-	100	100
		TOTAL	20	-	3	26	300	500	800

MCA VI- Semester:

S. No.	Course Code	Course Title	Credits	Max. Marks		
				IE	EE	Total
VI Semester						
1.	16MC60131	Seminar	02	--	100	100
2.	16MC60132	Project Work	12	100	100	200
		TOTAL	14	100	200	300

Total Credits : 144
Total Marks : 4300

SVEC16-Master of Computer Applications

BOS Chairperson
Dr. M. LAVANYA
CHAIRPERSON, BOS
DEPARTMENT OF M.C.A.
SREE VIDYANIKETHAN ENGINEERING COLLEGE
A. RANGAMPET -517 102
CHITTOOR (Dist.) A.P.

LIST OF NEW COURSES INTRODUCED

Program: MCA- Master of Computer Applications

Regulations : SVEC-16

Course Code	Name of the course
16MC1HS31	English Language Laboratory
16MC30133	Object Oriented Analysis and Design Lab
16MC40102	LINUX Programming
16MC40104	Service Oriented Architecture
16MC40105	Internet of Things
16MC40106	Computer Forensics
16MC40110	Wireless Networks
16MC4HS31	Soft Skills Laboratory
16MC40131	Big Data Analytics Lab
16MC50101	Cloud Computing
16MC50104	Software Quality Assurance
16MC50105	Semantic Web
16MC50109	Bioinformatics
16MC50110	Ethical Hacking
16MC50131	Cloud Computing Lab

BOS Chairperson