

DEPARTMENT OF COMPUTER APPLICATIONS :: VRSEC

VRSEC/MCA/AUTONOMOUS/2021

Date: 10-12-2021

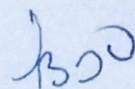
MEETING NOTICE

Sub: VRSEC - Department of Computer Applications (MCA) Board of Studies meeting at 2:00 PM on 14-12-2021 through ONLINE & OFFLINE mode.

I cordially invite you to attend the Board of Studies meeting being convened at 2.00 PM on 14-12-2021 through ONLINE & OFFLINE mode.

Agenda:

1. To discuss and approve the revised scheme of instruction for III & IV Semesters of MCA20 Regulations.
2. To discuss and approve the syllabus of III Semester and IV Semester of MCA20 Regulations.
3. To discuss and approve the IV Semester MOOCs Courses of MCA20 Regulations under Elective-III.
4. To approve the VI Semester Scheme of instruction of MCA19 Regulations.
5. Amendments in MCA20 Regulations.
6. Any other point with the permission of the Chair.



Dr. B. D. C. N. Prasad
Chairman, Board of Studies and
Head, Dept. of Computer Applications

Copy to:


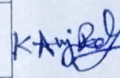




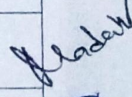

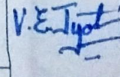
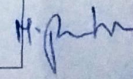
All the members of Board of Studies - MCA

DEPARTMENT OF COMPUTER APPLICATIONS
Velagapudi Ramakrishna Siddhartha Engineering College
(Autonomous)
Vijayawada – 520 007

Minutes of the **Meeting of the Board of Studies** (virtual and offline) held at 2:00 P.M. on **14-12-2021 i.e. Tuesday** (2021-22 Academic Year).

Dr.B.D.C.N.Prasad, Head of the Department & Chairman, Board of Studies, chaired the meeting and extended a warm welcome to the members present.

Members Participated:

1.	Dr. B.D.C.N Prasad Professor & HOD, Department of Computer Applications, VRSEC	Chairman	
2.	Dr. S. Ravi Chandra Associate Professor, Department of Computer Science and Engineering, NIT Warangal	Subject Expert	
3.	Dr. E. Srinivasa Reddy Professor & Principal, Dr. Y.S.R. ANU College of Engineering & Technology, Acharya Nagarjuna University	Subject Expert	
4.	Mr. K. Anji Reddy Sr. Asst. Professor of MCA	Member	
5.	Mr. B. Srinivas Asst. Professor of MCA	Member	
6.	Dr. K. Parish Venkata Kumar Asst. Professor of MCA	Member	
7.	Mr. J. Hari Krishna Asst. Professor of MCA	Member	
8.	Mrs. B. Lakshmi Asst. Professor of MCA	Member	
9.	Mr. R. Madhukanth Asst. Professor of MCA	Member	
10.	Mr. R. Rama Krishna Asst. Professor of MCA	Member	
11.	Dr. V. Esther Jyothi Asst. Professor of MCA	Member	
12.	Mrs. M. Prasanna Lakshmi Asst. Professor of MCA	Member	

The following agenda items were discussed and deliberated upon

Item-1. To discuss and approve the revised scheme of instruction for III & IV Semesters of MCA20 Regulations.

Dr.B.D.C.N.Prasad, HOD presented the revised scheme of instruction for III and IV semesters of MCA20 Regulations with the following changes corresponding to the scheme of instruction for III and IV semesters of MCA20 Regulations approved in the previous BOS meeting dated 12-11-2020:

(i) In order to gain vast industrial exposure as a part of Major Project, it has been proposed to offer only one elective course in final semester i.e., Semester IV.

(ii) In connection to the above (i), there has been a change in the total number of credits for Semester IV of MCA20 Regulations. Previously it was 18 credits and now it is 15 credits. Finally, this change in the total number of credits for MCA20 Regulations has been proposed for approval.

Scheme of Instruction of MCA III & IV Semesters (MCA20 Regulations)

approved in the BOS meeting dated 12-11-2020

SEMESTER – III

S. No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	20MCA2301	Advanced Java Programming	3	1	-	4	40	60	100
2	20MCA2302	Program Elective - II	3	1	-	4	40	60	100
3	20MCA2303	Program Elective - III	3	-	-	3	40	60	100
4	20MCA2304	Industrial Management	3	-	-	3	40	60	100
5	20MCA2305	Cloud Computing	3	-	-	3	40	60	100
6	20MCA2351	Advanced Java Programming Lab	-	-	3	1.5	40	60	100
7	20MCA2352	Program Elective - II Lab	-	-	3	1.5	40	60	100
8	20MCA3353	Mini Project	-	-	3	1.5	40	60	100
			15	2	9	21.5	320	480	800

SEMESTER – IV

S. No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	20MCA2401	Program Elective - IV	3	-	-	3	40	60	100
2	20MCA2402	Program Elective - V	3	-	-	3	40	60	100
3	20MCA3453	Major Project	-	-	24	12	40	60	100
			6	-	24	18	120	180	300

Revised Scheme of Instruction of MCA III & IV Semesters (MCA20 Regulations)

SEMESTER – III

S. No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	20MCA2301	Machine Learning	3	1	-	4	40	60	100
2	20MCA2302	Cyber Security	3	1	-	4	40	60	100
3	20MCA2303	Program Elective – II	3	-	-	3	40	60	100
4	20MCA2304	Industrial Management	3	-	-	3	40	60	100
5	20MCA2305	Big Data Analytics	3	-	-	3	40	60	100
6	20MCA2351	Machine Learning with Python Lab	-	-	3	1.5	40	60	100
7	20MCA2352	Advanced Java Programming Lab	-	-	3	1.5	40	60	100
8	20MCA3353	Mini Project	-	-	3	1.5	40	60	100
			15	2	9	21.5	320	480	800

Program Elective – II

20MCA2303A: Computer Graphics

20MCA2303B: Distributed Systems

20MCA2303C: Advanced Database Technology

20MCA2303D: Human Computer Interaction

SEMESTER – IV

S. No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	20MCA2401	Program Elective – III	3	-	-	3	40	60	100
2	20MCA3451	Major Project	-	-	24	12	40	60	100
			3	-	24	15	80	120	200

Program Elective – III

20MCA2401A: Software Testing Methodologies

20MCA2401B: Angular JS

20MCA2401C: Cloud Computing

20MCA2401D: Any other MOOCS course offered by the department

- ✓ After thorough discussions the Board of Studies unanimously approved the revised Scheme of Instruction for III & IV Semesters and the change in the total number of credits for MCA20 Regulations.

Item-2. To discuss and approve the syllabus of III Semester and IV Semester of MCA20 Regulations.

Dr.B.D.C.N.Prasad, HOD presented the syllabus of III Semester and IV Semester courses w.e.f, 2021-22 of MCA20 Regulations.

- ✓ **The Board of Studies unanimously approved the Curriculum for III & IV Semesters w.e.f. 2021-22 of MCA20 Regulations presented by Head of the Department.**

Item-3. To discuss and approve the IV Semester MOOCs Courses of MCA20 Regulation under Elective-III.

Dr.B.D.C.N.Prasad, HOD presented the following 12-weeks MOOCs Courses offered by SWAYAM NPTEL (during January-April, 2022) for Elective-III in Semester IV of MCA20 Regulations:

20MCA2401D1: Data Analytics with Python

20MCA2401D2: Object Oriented System Development using UML, Java and Patterns

20MCA2401D3: Introduction to Internet of Things

20MCA2401D4: Deep Learning

20MCA2401D5: Blockchain and its Applications

20MCA2401D6: Computer Architecture

- ✓ **The Board of Studies unanimously approved the 12-weeks MOOCs Courses offered by SWAYAM NPTEL (during January-April, 2022) for Elective-III in Semester IV of MCA20 Regulations presented by Head of the Department.**

Item-4. To approve the VI Semester Scheme of instruction of MCA19 Regulations.

Dr.B.D.C.N.Prasad, HOD presented the following VI Semester Scheme of Instruction of MCA19 Regulations.

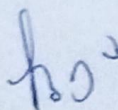
S.No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	19MCA4651	Major Project	-	-	24	12	40	60	100
			-	-	24	12	40	60	100

L: Lecture T: Tutorial P: Practical C: Credits
CE: Continuous Evaluation SE: Semester End Evaluation Tot: Total Marks

- ✓ The Board of Studies unanimously approved the VI Semester Scheme of instruction of MCA19 Regulations presented by Head of the Department.

Item-5. Amendments in MCA20 Regulations

The total number of credits for MCA20 Regulations is revised to 80 as it has been approved by the Board under Item-1 of the agenda for discussion.



Dr. B. D. C. N. Prasad
Chairman, Board of Studies and
Head, Dept. of Computer Applications

VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE
VIJAYAWADA-520 007.

V.R.SIDDHATHA ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER APPLICATIONS

Scheme of Instruction(MCA20 Regulation)

Semester	Number of Credits
I	21.5
II	22
III	21.5
IV	15
Total Credits	80

SEMESTER - I

S. No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	20MCA2101	Data Structures	3	1	-	4	40	60	100
2	20MCA2102	Database Management Systems	3	1	-	4	40	60	100
3	20MCA1103	Discrete Mathematics	3	-	-	3	40	60	100
4	20MCA2104	Computer Networks	3	-	-	3	40	60	100
5	20MCA2105	Operating Systems	3	-	-	3	40	60	100
6	20MCA2151	Data Structures Using C Lab	-	-	3	1.5	40	60	100
7	20MCA2152	Database Management Systems Lab	-	-	3	1.5	40	60	100
8	20MCA1153	Professional Communication Skills Lab	-	-	3	1.5	40	60	100
9	20MCA4154	Personality Development Course (Logical Reasoning and English for Professionals)	-	-	2	0	100	-	100
			15	2	11	21.5	420	480	900

L: Lecture

T: Tutorial

P: Practical

C: Credits

CE: Continuous Evaluation

SE: Semester End Evaluation

Tot: Total Marks

VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE; VIJAYAWADA - 7

Head
 Department of Computer Applications
 V.R. Siddhartha Engineering College
 Kanuru, VIJAYAWADA-520 007

SEMESTER – II

S. No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	20MCA2201	Python Programming	3	-	-	3	40	60	100
2	20MCA2202	Object Oriented Programming through Java	3	1	-	4	40	60	100
3	20MCA2203	Software Engineering	3	-	-	3	40	60	100
4	20MCA2204	Data Mining	3	1	-	4	40	60	100
5	20MCA2205	<u>Program Elective – I</u> A: Design and analysis of Algorithms B: Artificial Intelligence C: Cryptography & Network Security D: Information Retrieval Systems	3	-	-	3	40	60	100
6	20MCA2251	Python Programming Lab	-	-	3	1.5	40	60	100
7	20MCA2252	Object Oriented Programming Through Java Lab	-	-	3	1.5	40	60	100
8	20MCA2253	Statistics with R Programming Lab	-	1	2	2	40	60	100
9	20MCA4254	Personality Development Course (Aptitude and Campus Recruitment Training)	-	-	2	0	100	-	100
			15	3	10	22	420	480	900

L: Lecture

T: Tutorial

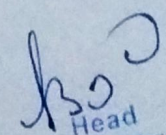
P: Practical

C: Credits

CE: Continuous Evaluation

SE: Semester End Evaluation

Tot: Total Marks


 Head
 Department of Computer Applications
 Siddhartha Engineering College
 Vijayawada-520 007.

SEMESTER – III

S. No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	20MCA2301	Machine Learning	3	1	-	4	40	60	100
2	20MCA2302	Cyber Security	3	1	-	4	40	60	100
3	20MCA2303	Program Elective – II	3	-	-	3	40	60	100
4	20MCA2304	Industrial Management	3	-	-	3	40	60	100
5	20MCA2305	Big Data Analytics	3	-	-	3	40	60	100
6	20MCA2351	Machine Learning with Python Lab	-	-	3	1.5	40	60	100
7	20MCA2352	Advanced Java Programming Lab	-	-	3	1.5	40	60	100
8	20MCA3353	Mini Project	-	-	3	1.5	40	60	100
			15	2	9	21.5	320	480	800

Program Elective – II

20MCA2303A: Computer Graphics

20MCA2303B: Distributed Systems

20MCA2303C: Advanced Database Technology

20MCA2303D: Human Computer Interaction

SEMESTER – IV

S. No.	Subject Code	Subject Title	L	T	P	C	CE	SE	Tot
1	20MCA2401	Program Elective - III	3	-	-	3	40	60	100
2	20MCA3451	Major Project	-	-	24	12	40	60	100
			3	-	24	15	80	120	200

Program Elective – III

20MCA2401A: Software Testing Methodologies

20MCA2401B: Angular JS

20MCA2401C: Cloud Computing

20MCA2401D: Any other MOOCS course offered by the department

L: Lecture

T: Tutorial

P: Practical

CE: Continuous Evaluation

SE: Semester End Evaluation

Tot: Total Marks

Head

Department of Computer Applications
S. Siddhartha Engineering College
520 007