



Date: 18/07/2020

Board of Studies Meeting

Minutes of Meeting

Board of Studies Meeting (BOS) of department of Information Technology is conducted on 18th July 2020 at ATF-05, U-Block, IIIrd Floor, Vignan's Foundation for Science Technology and Research University.

Agenda of the BOS Meeting:

1. To finalize Master of Computer Applications (MCA) R20 Curriculum.
2. To discuss conversion of 3-year MCA to 2-year MCA.
3. Any point with the permission of Chair.

The following members attended the meeting.

| S.No. | Name & Address of the Expert | Contact Details | Member |
|-------|---|--|--------------------|
| 1 | Dr. K.V.Krishna Kishore, HOD, Dean, Lib and IT Services, Department of Information Technology Vignan's University. | Mobile : 9490647678 Mail-id: kishorekvk_1@yahoo.com; hodit@vignanuniversity.org | BoS Chairman |
| 2 | Dr.C.Raghavendra Rao, Professor, University of Hyderabad, Hyderabad | Mobile : 9247465125 Mail-id: cracs@uohyd.ernet.in | External Member |
| 3 | Dr. Ramesh Babu Battula, Assistant Professor, Department of Computer Science and Engineering, Malaviya National Institute of Technology(MNIT), Jaipur. | Phone:+91-9989865216; +91- 9549654395; +91-8562832025 Mail-id : rrbattula.cse@mnit.ac.in | External Member |
| 4 | Mr. Nagaraju Gorumutchu Senior Principal Applications Engineer Oracle India Development Center, Hyderabad | Phone: 9052770008 Mail-id: nagraj.g@gmail.com | External Member |
| 5 | Dr. N.Veeranjanyulu Professor & Assistant Controller of Examinations Department of Information Technology VFSTR University | Mobile:9347162038 Mail-id : veeru2006n@gmail.com | Internal Member |

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| | | | |
|---|--|---|--------------------|
| 6 | Mr. B. Premamayudu Associate Professor Department of Information Technology, VFSTR University | Phone:8056714361 Mail-id : drbpm_it@vignan.ac.in | Internal Member |
| 7 | Mr.K.Praveen Kumar Assistant Professor Department of Information Technology, VFSTR University | Phone:9290236544 Mail-id : praveen.kazipeta.kumar@gmail.com | Internal Member |

Following are the points discussed and resolutions made during this meeting.

1. A meeting with BOS members has been conducted to approve the change in the duration of MCA Program from 3 years to 2 years w.e.f. 2020-21 with reference to the circular received from AICTE, dated 03-07-2020 (**Appendix V**). Further, committee has prepared the new structure for two years of MCA program and included two new courses (Machine learning and Data science using python) as department electives in IInd year Ist Semester.
2. Choice Based Credit System (CBCS) is practiced in the curriculum and 22% of syllabus revision was carried out (**Appendix IV**)
3. The feedback from various stakeholders is carefully collected, analyzed and their suggestions are implemented in the curriculum.
4. Structure of all Four Semester of MCA programme is finalized. The MCA Programme structure is given in **Appendix I**
5. The board felt happy that all AICTE proposed mandatory courses are included in the programme.
6. Approval of syllabus for Two-year MCA Program, which includes Course Objectives, Course outcomes, Skills, Activities, and Laboratory exercises.
7. The board suggested to combine the C programming and Data Structures courses as single course.
8. The members of BoS recommended inclusion of statistical analysis issues in Data Science course.
9. Members have suggested for inclusion of emerging technologies as elective courses.
10. All the Courses in the Curriculum are designed to fall under either of the domains of employability or entrepreneurship or skill development (**Appendix II**)

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11. In the MCA revised regulation R18, the substantial changes are made in the content of all courses and hence the courses are considered as new courses (Appendix III)

| S.No. | Name & Address of the Expert | Signature |
|-------|---|-----------|
| 1 | Dr. K.V.Krishna Kishore, HOD, Dean, Lib and IT Services, Department of Information Technology Vignan's University. | |
| 2 | Dr.C.Raghavendra Rao, Professor, University of Hyderabad, Hyderabad | |
| 3 | Dr. Ramesh Babu Battula, Assistant Professor, Department of Computer Science and Engineering, Malaviya National Institute of Technology (MNIT), Jaipur. | |
| 4 | Mr. Nagaraju Gorumutchu Senior Principal Applications Engineer Oracle India Development Center, Hyderabad | |
| 5 | Dr. N.Veeranjanyulu Professor & Assistant Controller of Examinations Department of Information Technology VFSTR University | |
| 6 | Mr. B. Premamayudu Associate Professor Department of Information Technology, VFSTR University | |
| 7 | Mr.K.Praveen Kumar Assistant Professor Department of Information Technology, VFSTR University | |

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**Department of
Information Technology****Appendix I
R20 MCA Programme Structure**

(Applicable for students admitted into First Year from Academic Year 2020-21 onwards)

I Year I Semester

| S.No. | Course Title | L | P | C |
|-------|--|----|---|----|
| 1 | Computer Programming and Data Structures | 3 | 3 | 5 |
| 2 | Database Management Systems | 3 | 3 | 5 |
| 3 | Programming through Python | 3 | 3 | 5 |
| 4 | Computer Organization | 3 | - | 3 |
| 5 | Software Engineering | 3 | - | 3 |
| 6 | Probability and Statistics | 3 | - | 3 |
| 7 | Technical English Communication | 2 | - | 2 |
| Total | | 20 | 9 | 26 |

I Year II Semester

| S.No. | Course Title | L | P | C |
|-------|--|----|----|----|
| 1 | Operating Systems | 3 | - | 3 |
| 2 | Object Oriented Programming through Java | 3 | 3 | 5 |
| 3 | Web Scripting Through PHP & MYSQL | 3 | 3 | 5 |
| 4 | Computer Networks | 3 | - | 3 |
| 5 | Software Project Management | 3 | - | 3 |
| 6 | Soft Skills Lab | - | 3 | 2 |
| 7 | Mini Project – I | - | 3 | 2 |
| Total | | 15 | 12 | 23 |

L: Lecture Hours/Week; P: Practical Hours/Week; C: Credits of the Course

**R20 MCA Programme Structure**

(Applicable for students admitted into First Year from Academic Year 2020-21 onwards)

II Year I Semester

| S.No. | Course Title | L | P | C |
|----------------------|-----------------------------------|-----------|----------|-----------|
| 1 | Internet of Things | 3 | - | 3 |
| 2 | Data Mining | 3 | 3 | 5 |
| 3 | Mobile Application Development | 3 | 3 | 5 |
| 4 | Cryptography and Network Security | 3 | - | 3 |
| Elective – I | | 3 | - | 3 |
| 5 | Big data Analytics | | | |
| 6 | Cloud Computing | | | |
| Elective – II | | 3 | - | 3 |
| 7 | Machine Learning | | | |
| 8 | Data Science using Python | | | |
| Total | | 18 | 6 | 22 |

II Year II Semester

| S.No. | Course Title | L | P | C |
|--------------|-------------------------|----------|----------|-----------|
| 1 | Internship/Project Work | - | - | 15 |
| Total | | - | - | 15 |

***MOOC Courses / Life Skills / CRT (Total 2 credits)**

A student has to complete two courses from MOOC platform in the programme duration.

One credit will be given for each course.

L: Lecture Hours/Week; **P:** Practical Hours/Week; **C:** Credits of the Course.**Note:** The highlighted courses are offered under choice-based credit system (CBCS)



Appendix -II
**List of courses that enable employability or entrepreneurship or skill
development in the R20 MCA**

| S. No. | Year | Semester | Course Name | Course Nature |
|--------|------|----------|--|-------------------|
| 1 | I | I | Computer Programming and Data Structures | Employability |
| 2 | I | I | Database Management Systems | Employability |
| 3 | I | I | Programming through Python | Employability |
| 4 | I | I | Computer Organization | Skill Development |
| 5 | I | I | Software Engineering | Skill Development |
| 6 | I | I | Probability and Statistics | Employability |
| 7 | I | I | Technical English Communication | Skill Development |
| 8 | I | II | Operating Systems | Skill Development |
| 9 | I | II | Object Oriented Programming through Java | Employability |
| 10 | I | II | Web Scripting Through PHP & MYSQL | Employability |
| 11 | I | II | Computer Networks | Skill Development |
| 12 | I | II | Software Project Management | Skill Development |
| 13 | I | II | Soft Skills Lab | Skill Development |
| 14 | I | II | Mini Project – I | Employability |
| 15 | II | I | Internet of Things | Employability |
| 16 | II | I | Data Mining | Employability |
| 17 | II | I | Mobile Application Development | Employability |
| 18 | II | I | Cryptography and Network Security | Skill Development |
| 19 | II | I | Big data Analytics | Employability |
| 20 | II | I | Cloud Computing | Employability |
| 21 | II | I | Machine Learning | Employability |
| 22 | II | I | Data Science using Python | Employability |
| 23 | II | II | Internship/Project Work | Employability |

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Appendix -III

List of new courses in the R-20 MCA

| S. No. | Year | Semester | Course Name |
|--------|------|----------|--|
| 1 | I | I | Computer Programming and Data Structures |
| 2 | I | I | Database Management Systems |
| 3 | I | I | Programming through Python |
| 4 | I | I | Computer Organization |
| 5 | I | I | Software Engineering |
| 6 | I | I | Probability and Statistics |
| 7 | I | I | Technical English Communication |
| 8 | I | II | Operating Systems |
| 9 | I | II | Object Oriented Programming through Java |
| 10 | I | II | Web Scripting Through PHP & MYSQL |
| 11 | I | II | Computer Networks |
| 12 | I | II | Software Project Management |
| 13 | I | II | Soft Skills Lab |
| 14 | I | II | Mini Project – I |
| 15 | II | I | Internet of Things |
| 16 | II | I | Data Mining |
| 17 | II | I | Mobile Application Development |
| 18 | II | I | Cryptography and Network Security |
| 19 | II | I | Big data Analytics |
| 20 | II | I | Cloud Computing |
| 21 | II | I | Machine Learning |
| 22 | II | I | Data Science using Python |
| 23 | II | II | Internship/Project Work |



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Appendix -IV CBCS (Choice Based Credit System)

| S.No. | Semester (Year) | Course Name | Credits |
|--------------|----------------------------------|----------------------------------|-----------|
| 1 | Semester II (Third Year) | Mini Project – I | 2 |
| 2 | Semester I (Second Year) | Department Elective-I | 3 |
| 3 | Semester I (Second Year) | Department Elective-II | 3 |
| 4 | MOOC Courses / Life Skills / CRT | MOOC Courses / Life Skills / CRT | 2 |
| 5 | Semester II (Second Year) | Internship/Project Work | 15 |
| Total | | | 25 |



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Appendix -V



Phone : 011-26131577 - 78, 80
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सत्यमेव जयते

अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक संविधिक निकाय)

(मानव संसाधन विकास मंत्रालय, भारत सरकार)

नेल्सन मंडेला मार्ग, वसंत कुंज, नई दिल्ली-110070

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt. of India)

(Ministry of Human Resource Development, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

F. No. AICTE/AB/MCA/2020-21

03.07.2020

To

All AICTE Approved institutes / Universities

Subject:- Change in the duration of MCA Program from 3 Years to 2 Years w.e.f. 2020-21-reg.

Sir / Madam

As you may be aware that the issue regarding change in the duration of MCA program from 3 years to 2 years has been engaging the attention of UGC / AICTE for quite some time in the past.

It is informed that the above issue was placed before 545th Meeting of University Grant Commission held on 19.12.2019 and the same has been approved. Hence the MCA course shall be of 2 Years duration from 2020-21.

It is also brought to your notice that the above change in the duration of MCA program from 03 Years to 02 Years has also been incorporated in the AICTE APH 2020-21 and the eligibility qualification is as below:-

"Passed BCA/ Bachelor Degree in Computer Science Engineering or equivalent Degree. OR Passed B.Sc./ B.Com./ B.A. with Mathematics at 10+2 Level or at Graduation Level (with additional bridge Courses as per the norms of the concerned University). Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying Examination

In view of the above, necessary modification in the course duration of MCA program may please be made in conformity with the UGC decision and provisions contained in AICTE APH for A. Y. 2020-21. A line of confirmation may please be sent to the Council in this regard immediately.


3.7.20
Member Secretary, AICTE