# SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)
(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NBA-AICTE, New Delhi, Accredited by NAAC with 'A' Grade)
Madagadipet, Puducherry - 605 107

## Department of Master of Computer Applications

## Minutes of Board of Studies

22.11.2022

The Fifth Board of Studies meeting of Department of Master of Computer Applications was held on 28th September 2022 at 2:00 P.M in the Department of MCA, Sri Manakula Vinayagar Engineering College with the Head of the Department in the Chair.

| Sl. No. | Name of the Member with Designation and official Address | Designation |
|---|---|---|
| 1 | Dr. A. RAMALINGAM M.Tech, Ph.D, Professor and Head, Department of MCA Sri Manakula Vinayagar Engineering College. | Chairman |
| **External Members** | | |
| 2 | Dr. B. RAMADOSS M.Tech, Ph.D Professor (HAG), Department of Computer Applications, NIT, Trichy, Tamil Nadu. | Subject Expert (Pondicherry University Nominee) |
| 3 | Dr. S. SENDHILKUAMAR, ME, Ph.D Associate Professor, Department of Information Science and Technology, College of Engineering, Guindy, Anna University, Chennai - 600 025. | Subject Expert (Academic Council Nominee) |
| 4 | Dr. A. MUTHUKUMARAVEL Ph.D, Professor, DEAN- Arts and Science, Bharath Institute of Higher Education and Research, Bharath University, Chennai. | Subject Expert (Academic Council Nominee) |
| 5 | Dr. J. UDAYAKUMAR, MCA, Ph.D Proprietor, Genesys Academy of Computer Science, Puducherry. | Representative from Industry |
| 6 | Mr. A. MONTFORT LAWRENCE, Admin cum Teacher, Petit Seminaire CBSE School, Moolakulam, Puducherry-605010.. | Postgraduate Alumnus (Nominated by the Principal) |
| **Internal Members** | | |
| 7 | Dr. T. AMALRAJ VICTOIRE, Ph.D, Professor, Department of MCA Sri Manakula Vinayagar Engineering College. | Member |
| 8 | Mr. R. RAMAKRISHNAN M.Tech., (Ph.D) Associate Professor, Department of MCA Sri Manakula Vinayagar Engineering College. | Member |
| 9 | Mrs. M.VASUKI M.Tech., (Ph.D) Associate Professor, Department of MCA Sri Manakula Vinayagar Engineering College. | Member |

Department of M.C.A – 5th BoS Meeting

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## Co-opted Members

| | | |
|---|---|---|
| 10 | Dr. T. GAYATHRI Ph.D<br>Professor, Dept of Mathematics,<br>Sri Manakula Vinayagar Engineering College | Member |
| 11 | Mrs. G. NAMITHA (Ph.D)<br>Asst. Professor, Dept. of English,<br>Sri Manakula Vinayagar Engineering College | Member |
| 12 | Ms. S. VISALAKSHI MBA,<br>Asst. Professor, Dept. of Management Studies,<br>Sri Manakula Vinayagar Engineering College | Member |

## Agenda of the Meeting

1) To Review of Curriculum Structure of M.C.A – Master of Computer Applications
2) To Review and Confirmation of 4th BoS meeting.
3) To discuss about the NPTEL/MOOC/SWAYAM certification courses.
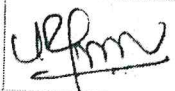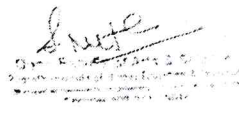4) Any other item with the permission of chair.
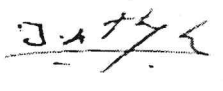
## Minutes of the Meeting

Dr. A. Ramalingam, Chairman, BoS opened the meeting by welcoming and introducing the external members, to the internal and co-opted members and thanked them for accepting to become the member of the Board of Studies and the meeting thereafter deliberated on agenda items that had been approved by the Chairman.

| Item:1 | The curriculum structure of M.C.A – Master of Computer Applications has been discussed. |
|---|---|
| Item:2 | Members reviewed their suggestions incorporated in the 4th BoS meeting and confirmed the same. |
| Item:3 | Members reviewed the NPTEL/MOOC/SWAYAM certification courses in the BoS meeting and confirmed the same. |
| Item:4 | Members suggested to get the feedback from the students of 2020-2022 batch, stakeholders, and alumni's for further revision or enhancements required in the curriculum and syllabus R-2020.<br><br>4.1 The feedback through google form link given in the announcement home page of official website of SMVEC. The 2020-2022 batch student's feedbacks are collected, evaluated and report is given in the **Annexure I.** [SMVEC Web site: https// smvec.ac.in / announcement/ IQAC/ Feedback Link: https://forms.gle/Fe1swrJYQYQWzLo67 ]<br><br>4.2 The feedback through google form link given in the announcement home page of official website of SMVEC. The stake holders' feedbacks are collected, evaluated and the report is given in the **Annexure II.** [SMVEC Web site: https// smvec.ac.in / announcement/ Feedback Link: : https://forms.gle/nABZpawQfn1nKLvu8] |

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The following members were present for the BoS meeting.

| Sl. No. | Name of the Member with Designation and official Address | Responsibility in the BoS | Signature |
|---|---|---|---|
| 1 | Dr. A. RAMALINGAM M.Tech, Ph.D, Professor and Head, Department of MCA Sri Manakula Vinayagar Engineering College. | Chairman | |
| **External Members** | | | |
| 2 | Dr. B. RAMADOSS M.Tech, Ph.D Professor (HAG), Department of Computer Applications, NIT, Trichy, Tamil Nadu. | Subject Expert (Pondicherry University Nominee) | |
| 3 | Dr. S. SENDHILKUAMAR, ME, Ph.D Associate Professor, Department of Information Science and Technology, College of Engineering, Guindy, Anna University, Chennai - 600 025. | Subject Expert (Academic Council Nominee) | |
| 4 | Dr.A.MUTHUKUMARAVEL Ph.D, Professor, DEAN- Arts and Science, Bharath Institute of Higher Education and Research, Bharath University, Chennai. | Subject Expert (Academic Council Nominee) | |
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| 6 | Mr. A. MONTFORT LAWRENCE, Admin cum Teacher, Petit Seminaire CBSE School, Moolakulam, Puducherry-605010. | Postgraduate Alumnus (Nominated by the Principal) | |
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| 7 | Dr. T. AMALRAJ VICTOIRE, Ph.D, Professor, Department of MCA Sri Manakula Vinayagar Engineering College, Puducherry. | Member | |
| 8 | Mr. R. RAMAKRISHNAN M.Tech., (Ph.D) Associate Professor, Department of MCA Sri Manakula Vinayagar Engineering College, Puducherry. | Member | |
| 9 | Mrs. M.VASUKI M.Tech., (Ph.D) Associate Professor, Department of MCA Sri Manakula Vinayagar Engineering College, Puducherry. | Member | |

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| Co-opted Members | | | |
|---|---|---|---|
| 10 | Dr. T. GAYATHRI Ph.D<br>Professor, Dept of Mathematics,<br>Sri Manakula Vinayagar Engineering College | Member | T. Gay |
| 11 | Mrs. G. NAMITHA (Ph.D)<br>Asst. Professor, Dept. of English.<br>Sri Manakula Vinayagar Engineering College | Member | |
| 12 | Ms. S. VISALAKSHI MBA<br>Asst. Professor, Dept. of Management Studies,<br>Sri Manakula Vinayagar Engineering College | Member | |

The meeting was concluded at 3.00 P.M with vote of thanks by Dr.A.Ramalingam, Head of the Department, Master of Computer Applications.


Dr. A.RAMALINGAM
HOD/MCA
**Chairman-BoS (MCA)**

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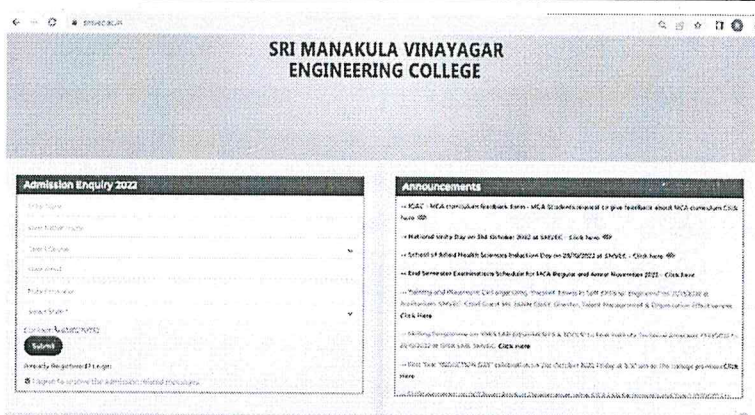
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## DEPARTMENT OF COMPUTER APPLICATIONS (MCAProgramme)

Curriculum and Syllabi - Feedback with Evaluation Report of Regulations R2020 (Oct-Nov 2022)

### ANNEXURE I: (a) Student Feedback

| | | |
|---|---|---|
| Student Feedback form Link | SMVEC Web site [ smvec.ac.in] IQAC announcement<br>Feedback Link:  https://forms.gle/Fe1swrJYQYQWzLo67<br> | |
| Number of Student Responses | 97 | All the students given feedback |
| Suggestions Given For Semester I | 17 | Different types of feedback given and tabulated below others given like "No Changes" ,"Nil"  etc., |
| Suggestions Given For Semester II | 22 | Different types of feedback given and tabulated below others given like "No Changes" ,"Nil"  etc., |
| Suggestions Given For Semester III | 16 | Different types of feedback given and tabulated below others given like "No Changes" ,"Nil"  etc., |
| Suggestions Given For Semester IV | 24 | Different types of feedback given and tabulated below others given like "No Changes" ,"Nil"  etc., |
| Overall Feedback for all Semester by Students | 18 | No Changes Required |

2.C.5

| Semester (5 Units) | | Excellent | Good | Satisfied | Agree | Disagree |
|---|---|---|---|---|---|---|
| I | Q1 | 20% | 58% | 13% | 8% | 0% |
| | Q2 | 50% | 20% | 22% | 8% | 0% |
| | Q3 | 17% | 59% | 19% | 6% | 0% |
| | Q4 | 13% | 54% | 24% | 8% | 0% |
| | Q5 | 19% | 49% | 22% | 10% | 0% |
| II | Q1 | 23% | 53% | 16% | 8% | 0% |
| | Q2 | 21% | 56% | 17% | 7% | 0% |
| | Q3 | 17% | 58% | 19% | 7% | 0% |
| | Q4 | 16% | 58% | 21% | 6% | 0% |
| | Q5 | 16% | 61% | 17% | 7% | 0% |
| III | Q1 | 23% | 53% | 19% | 4% | 0% |
| | Q2 | 18% | 60% | 19% | 3% | 0% |
| | Q3 | 19% | 56% | 20% | 6% | 0% |
| | Q4 | 20% | 50% | 22% | 8% | 0% |
| | Q5 | 16% | 60% | 20% | 4% | 0% |
| IV | Q1 | 22% | 54% | 17% | 7% | 0% |
| | Q2 | 21% | 56% | 17% | 7% | 0% |
| | Q3 | 18% | 58% | 18% | 7% | 0% |
| | Q4 | 18% | 52% | 24% | 6% | 0% |
| | Q5 | 17% | 59% | 18% | 6% | 0% |

2.C.b

| | Suggestion for Semester - I |
|---|---|
| 1 | Accounting and financial management, this subject is not a preferable one! |
| 2 | Need updated programming languages. |
| 3 | DBMS |
| 4 | Ok |
| 5 | No changes |
| 6 | I had a good academic environment. Thanks |
| 7 | Artificial intelligence |
| 8 | No need to change anything, all topics are relevant to course. |
| 9 | I think PSA shouldn't have enough. |
| 10 | All topics covered |
| 11 | Accounting and financial management. Can modify this paper according to our degree stream.. I feel it's is irrelevant to this course. 1st semester class are mostly done in both online and offline classes so students can't able to understand this paper. Because most of the students comes from computer science domain. They don't know basics of accounting.. & problem solving approach can make this paper in upgrade format in current technology |
| 12 | The course is explained and finished in time, method of teaching is good. |
| 13 | Nil |
| 14 | Teaching is efficient |
| 15 | In syllabus add the python subject |
| 16 | Mathematical foundation |
| 17 | no improvement needed |

| | Suggestion for Semester - II |
|---|---|
| 1 | Advanced data structures and algorithms |
| 2 | All correct |
| 3 | All covered |
| 4 | All given topics are good |
| 5 | All these five subjects are good enough! |
| 6 | Change Java Programing into Advanced Java Programming with(react JS, spring boot, etc.,) |
| 7 | Elective paper can be modified to some other courses title according to MCA degree can bring new technology paper for the students comparing to CSE /IT syllabus MCA curriculum syllabus has been same. There is no difference between CSE/IT and MCA. And EEC course has to be changed to different methods. And give some new course to the students in Ethotech labs. |
| 8 | Everything is good |
| 9 | Give choice to student too select their elective papers. |
| 10 | Good |
| 11 | If you want to added topic please sir. Briefly added the more in WAD |
| 12 | MFCA |
| 13 | No changes |

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| 14 | No Doubt |
|----|----------|
| 15 | no improvement needed |
| 16 | No need to change anything, all topics are relevant to course. |
| 17 | No suggestions |
| 18 | None |
| 19 | Nothing |
| 20 | Teaching is good |
| 21 | Web application development should be divided into different subjects like JS(Node JS ,React JS, Express JS,JQUERY ) , HTML and CSS |
| 22 | When choosing an elective paper, it will be preferable if the Department offers at least two course options. |

| | Suggestion for Semester - III |
|----|----------|
| 1 | All correct |
| 2 | all the topics are covered in time |
| 3 | All these subjects are good enough |
| 4 | C# and .net<br>It's has already |
| 5 | Covered all |
| 6 | Good |
| 7 | Good |
| 8 | Machine learning |
| 9 | Machine learning |
| 10 | Machine learning & agile software development/big data Has to be modified for some papers the classes will not be taken as per the day. It's little hard to understand those papers |
| 11 | No changes |
| 12 | no improvement needed |
| 13 | No need to change anything, all topics are relevant to course. |
| 14 | Please Remove Elective Course , Add Technical Papers like python, IOT |
| 15 | Specially added in ML and as well as provided the Special lab for ML which is learn from the basic level |
| 16 | Teaching is good |

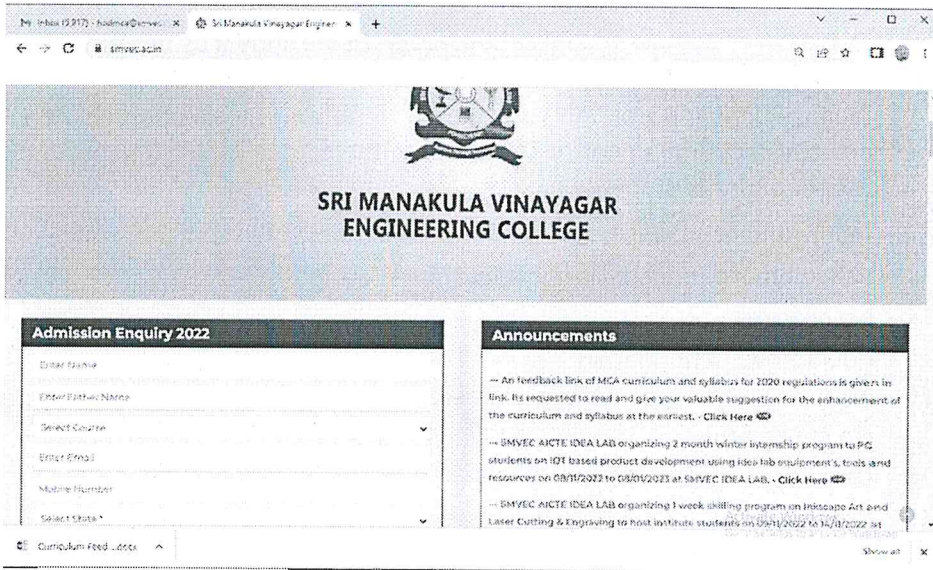| | Suggestion for Semester - IV |
|----|----------|
| 1 | All correct |
| 2 | All covered |
| 3 | clear all |
| 4 | everything is covered and easy to understand |
| 5 | Everything is good |
| 6 | Good |

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| 7 | Good |
|---|---|
| 8 | Good |
| 9 | In Final semester only project will be helpful for us, so that we can concentrate more in project. As we are doing industrial projects companies are expecting us to come whole week. In our batch there was a situation we need to come to college for 3 days. As master of computer applications students we should be permitted for internship. |
| 10 | Management concept and strategic is not relevant |
| 11 | Management concept and strategies. It is irrelevant to this degree. And remove all the EEC course and add technical paper to the enhance the course each lab paper proper lab facilities has to be assigned for the students. |
| 12 | Management concepts for computer applications - is not a preferable one! |
| 13 | management concepts is not relevant |
| 14 | No changes |
| 15 | no improvement needed |
| 16 | No need to change anything, all topics are relevant to course. |
| 17 | No suggestions |
| 18 | Office automation |
| 19 | Office automation and modern tools |
| 20 | Office automation and modern tools paper is the basic subject that every student must have learned at their under graduation. So as per my opinion, it will be better for the students if you could replace this subject with any other programming language or technical paper. |
| 21 | Office automation and tools |
| 22 | Please Remove Elective Course, Add Technical paper |
| 23 | Sir I want to say that generally everyone knows about the office automation too. If having the possibility then in the 3rd semester or 4th semester added ML |
| 24 | Yes |

## (b) Evaluation and Report of Students Feedback:

| Semester | Consolidated Feedback (2020-2022 Batch) | Action Taken |
|---|---|---|
| I | 1. Problem solving approach can make this paper in upgrade format in current technology.<br>2. Python Programming to be added as Subject. | To be discussed with BoS members in forthcoming BoS meeting |
| II | 1.Required advancement in Java Programming (react JS, spring boot, etc.,)<br>2. Required advancements in Web Applications Development. | To be discussed with BoS members in forthcoming BoS meeting |
| III | 1.Required to change the Professional Elective courses link Python, IoT etc.,<br>2.Modify the syllabus on Machine Learning Course | To be discussed with BoS members in forthcoming BoS meeting |
| IV | 1.Required to change the Office Automation Course<br>2.Required full Semester,only for Project Work | To be discussed with BoS members in forthcoming BoS meeting |

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**ANNEXURE II :(a) Feedback from Stakeholders(Parent,Alumni,Industrialist and Educationist)**

| | | | |
|---|---|---|---|
| Stake holders Feed Back form Link | SMVEC Web site [ smvec.ac.in] Home page announcement<br>Feedback Link:  https://forms.gle/nABZpawQfn1nKLvu8<br><br> | | |
| Number of Responses | 15 | All are given full feedback | |
| Suggestions Given For Semester I | 13 | Different types of feedback given and tabulated below other given like "No Changes" ,"Nil"  etc., | |
| Suggestions Given For Semester II | 14 | Different types of feedback given and tabulated below other given like "No Changes" ,"Nil"  etc., | |
| Suggestions Given For Semester III | 13 | Different types of feedback given and tabulated below other given like "No Changes" ,"Nil"  etc., | |
| Suggestions Given For Semester IV | 11 | Different types of feedback given and tabulated below other given like "No Changes" ,"Nil"  etc., | |
| Overall Feedback for all Semester by Students | No Changes | None | Nil |

| S.No | Suggestions for Semester - I |
|---|---|
| 1 | Good |
| 2 | The courses listed are more relevant to the industry expectations. No more changes needed. |
| 3 | Not necessary |
| 4 | all topics were covered within 5 units |
| 5 | Please include some cloud based topics (both theory and practical) in regular curriculum |
| 6 | Nothing |
| 7 | The new Syllabus is Fine and meets the Industry knowledge requirement. The Students needs to work more on Labs by applying the theories they have learned. |

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| 8 | NA |
|---|---|
| 9 | No |
| 10 | Properly structured all course in first semester. |
| 11 | Tally lab |
| 12 | Need improve the theory paper courses like as advanced web technologies and App management. CPP, Java are studied by UG also. Need to update the core paper like c# , python or other than latest language paper. |
| 13 | Python courses |

| S.No | Suggestions for Semester - II |
|---|---|
| 1 | Good |
| 2 | No modification needed |
| 3 | Not required |
| 4 | computer network lab missing, but it can be fulfilled by adding 3 to 4 network program into java lab |
| 5 | As mentioned in previous form please include cloud based topic (eg: AWS) in regular curriculum |
| 6 | Nil |
| 7 | This looks fine students must obtain deep knowledge on Data Structures and Algorithms rather than programming knowledge. |
| 8 | Nil |
| 9 | Advanced Data structures and Algorithms: Linked List can be completed in unit 2 and stacks and queues can be implemented using both techniques arrays and Linked lists. In unit 3 Trees could be the topic and could add more types of trees link M-way search tree, Red-Black trees and all.Could be included recurrence relations of trees |
| 10 | No |
| 11 | Curriculum helps to bridge the students with industry |
| 12 | No |
| 13 | Java to be update Advance java |
| 14 | Java |

| S.No | Suggestions for Semester - III |
|---|---|
| 1 | Good |
| 2 | Subjects are relevant. No changes needed |
| 3 | Not required |
| 4 | instead of C# and .net, Struts 2 may be added to cover the advanced java |
| 5 | Nil |
| 6 | Nothing |
| 7 | The Mini Project must be done by students themselves and must have at least one module that uses Machine Learning Algorithm in it, the module that uses Machine Learning may be any. |

2.C.11

| 8 | NA |
|---|---|
| 9 | No |
| 10 | More relevant technology based courses added . <br> Try to add elective course according to company requirements. |
| 11 | No |
| 12 | Kindly alter c# as python |
| 13 | Java script |

| S.No | Suggestions for Semester - IV |
|---|---|
| 1 | Good |
| 2 | No More modification required. |
| 3 | Not necessary |
| 4 | no modification needed |
| 5 | Nil |
| 6 | Nothing |
| 7 | The students need to concentrate more on their project work and to be done by themselves only. |
| 8 | NA |
| 9 | No |
| 10 | Start industry relevant courses from the first semester onwards. <br> This course to making students good employees |
| 11 | No |
| 12 | Nil |
| 13 | None |

**(b) Evaluation and Report of Stakeholders Feedback:**

| Semester | Consolidated Feedback | Action Taken |
|---|---|---|
| I | 1. Add some Cloud based topics. <br> 2.Add Programming Language like Python etc., | To be discussed with BoS members in forthcoming BoS meeting |
| II | 1.Change Java Programming as Advanced Java <br> 2. Modify the syllabus of 2nd and 3rd Unit in Advanced Data Structures and algorithms. <br> 3.Required Computer Networks Lab | To be discussed with BoS members in forthcoming BoS meeting |
| III | 1.Change C# and .Net <br> 2.Change the elective course as Company requirements | To be discussed with BoS members in forthcoming BoS meeting |
| IV | 1.Required full Semester only for Project work | To be discussed with BoS members in forthcoming BoS meeting |

Dr.A.Ramalingam
Professor & Head / MCA
[Chairman – BoS]

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