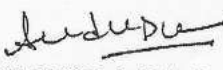# SAMPLE ACTION TAKEN REPORT

Analysis – AAC Committee

Suggestions and Remarks from Alumni / Industry / Employer Survey in 2020-2021

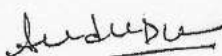| S.No	Suggestions	Remarks / Action Taken
1.	Courses – *can be as elective or not needed -* Computer Organization and Architecture, E-commerce(63), Research Methodology(61), Discrete Mathematics (33), SPM(50) Elective courses – not needed - Computer Graphics(27), CMS(30),	As it is two year programme from three years - to be considered and discussed with faculty meeting and other stake holders if to add as elective based on the credits availabilty
2.	Please try to incorporate develop tools also eg. Puppet, Docker	Docker to be considered when doing syllabus for course where scripting or OS or shell scripts
3.	Unix scripting skills are very much useful in the industry. I have been asked to write shell script in my interview.	Unix shell scripting /Linux shell scripting – separate course or under OS to be considered
4.	Current syllabus lacks in providing the knowledge of engineering and Design. It courses more programming language which is a good part.	Design Thinking Course as done for UG students can be taken up, if credits and number of courses if feasible
5.	I would like to suggest you to consider web programming seriously and give more attentions to the same. As there is lot more scope for web developers in IT. As part of this I would like to suggest Angular/React JS sessions or subjects.	Angular and React JS – in web or any application related courses
6.	I see there are 8 elective subjects. These electives should a link where one elective drive to an other. This will help student choose a particular type of technology.	Stream wise electives to be incorporated after discussions
7.	Software Testing:- Students can be have idea into automation tools	The course software testing and Practices has a unit on Testing Automation and Selenium software is used to implement the test cases.
8.	More workshops and hands on practice sessions apart from academics.	Workshops and practice sessions are made a part of the courses in 2018 scheme – have to continue and add on for 2020 scheme
9.	Big Data :- MS Power BI idea can be given	To check out in syllabus or if in assignment
10.	Cyber Security:- Certain automation tools idea to be given. Basic principles of information security	Practice or assignment in related courses to consider

DIRECTOR, MCA Dept.

RV COLLEGE OF ENGINEERING®
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Analysis – AAC Committee

Suggestions and Remarks from Alumni Survey in 2020-2021

S.No	Suggestions	Remarks / Action Taken
1	Please try to incorporate develop tools also eg. Puppet, Docker	Docker to be considered when doing syllabus for course where scripting like OS or shell scripts
2	Unix scripting skills are very much useful in the industry. I have been asked to write shell script in my interview.	The course Linux Shell Scripting (LSS) integrates Unix OS and shell commands in 2020 Scheme
3	Current syllabus lacks in providing the knowledge of engineering and Design. It courses more programming language which is a good part.	Design Thinking Course is added in the 2020 Scheme
4	I would like to suggest you to consider web programming seriously and give more attentions to the same. As there is lot more scope for web developers in IT. As part of this I would like to suggest Angular/React JS sessions or subjects.	Angular and React JS is added in the 2020 curriculum.
5	I see there are 8 elective subjects. These electives should a link where one elective drive to an other. This will help student choose a particular type of technology.	Electives are framed in Networking, Data Science and Software Solution Development streams in every Semester in 2020 Scheme
6	Integrate Unix OS and shell commands	The course Linux Shell Scripting (LSS) in 2020 Scheme integrates Unix OS and shell commands
7	Software Testing:- Students can be have idea into automation tools	The course software testing and Practices has a unit on Testing Automation and Selenium software is used to implement the test cases.
8	Big Data :- MS Power BI idea can be given	
9	Cyber Security:- Certain automation tools idea to be given. Basic principles of information security	
10	More workshops and hands on practice sessions apart from academics.	Workshops and practice sessions are made a part of the courses

DIRECTOR, MCA Dept.

Report on Action Taken based on Suggestions from Alumni Survey
2019 – 2020

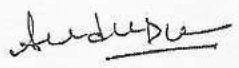| S.No	Suggestions	Action Taken
1	Thorough knowledge on projects from students required	Minor projects are part of the curriculum in 4th and 5th Semester and students are given guidelines to carry out the project
2	Please try to incorporate DevOps tools also eg. Puppet, Docker	Docker is now included as a part of syllabus in Linux Shell Scripting (LSS) in 2020 Scheme
3	Kindly keep updating curriculum, to stay in tune with industry standards. Also kindly push students towards collaboration projects	Latest technologies have been included in the curriculum. After autonomy in 2016, syllabus has been revised thrice and is on par with the industry after consultation with the Alumni, Employer and Industry Experts.
4	Discrete Mathematics: - Tutorial is good idea since student need to visualise the broader image of its implementation	For the the course Discrete Mathematics, tutorial hour is stipulated every week
5	Data Structure and ADA :- Can be taught in immediate semesters since they are somewhat interlinked while writing efficient programs	Data Structure is a course in 1st Semester in 2018 Scheme. Feedback regarding ADA will be considered while framing next syllabus.
6	Software Testing:- Students can be have idea on automation tools	The course software testing and practices has a unit on Testing. Automation and Selenium software is used to implement the test cases.
7	Big Data :- MS Power BI idea can be given	These points will be considered while framing the next syllabus.
8	Cyber Security:- Certain Automation tools idea to be given. Basic principles of information security	
9	Include android related courses (basics are fine)	Mobile Application Development in 2016 Scheme is advanced to Modern Application Development including PWA along with Android.
10	Include cloud computing related courses (advanced courses) could be moved to 4th Semester	Cloud Computing is a course in 5th Semester in 2018 Scheme
11	Include the concepts related on how to handle with more data(including hands-on sessions) Ex:- Big data, hadoop	The course Big Data Analytics in 2018 Scheme has Big Data and Hadoop as a part of the syllabus
12	Include the concepts related to how to handle with concurrency (including hand on sessions)	The following points will be considered while framing the next syllabus.
13	Before coming to 5th Sem, it is better to revise data structure(advanced concepts),operating systems, DBMS and C	
14	Move data analytics to the 4th semester as it will be useful to learn more on data analytics (big data, hadoop, hive, etc.)	

15	Give more assignment work on data structures, operating structure, c language during the 4th semester which will be helpful for placements	
16	A hand on session on H/W components with networking would be an added advantage for students. Introduction to python and Jupyter would be good for data sciences	Computer Networks and Internet of Things (IoT) involve hardware components in the practical sessions. Python is taught to students in Software Testing Practices and Jupyter is taught in Big Data Analytics in 2018 Scheme.
17	I would suggest adding C and Unix as individual subjects then teaching it with other subjects.	The following points will be considered while framing the next syllabus.
18	I think expecting a student to know programming skill before joining MCA, this assumption may not be correct all the time.	
19	Unix scripting skills are very much useful in the industry. I have been asked to write shell script during my interview.	The course Linux Shell Scripting (LSS) integrates Unix OS and shell commands
20	Also in the interview, the interviewer will expect the person to solve the problem given to him, then the language in which he is going to code.	The following points will be considered while framing the next syllabus.
21	In the interview, no one will expect a fresher to be an expert and know 10 programming languages.	
22	I personally feel both C programming & C++ should be the part of syllabus so that we will learn by comparing it with C programming and learn java and other programming language by comparing the concept which learnt in the previous learned language.	
23	I would suggest adding C programming as a subject. I agree having Python, Machine learning is a good addition. But as long as you are not perfect in C which I feel is a basic for all programming language.	Data Structures using C is involves C Language as the programming language for Data structures
24	When you go for interviews as a fresher, you will be tested for problem solving, analytical skills and won't expect you to know python, machine learning or Javascript (except some companies).	The following points will be considered while framing the next syllabus.
25	I would like to suggest you to consider web programming seriously and give more attentions to the same. As there is lot more scope for web developers in IT. As part of this I would like to suggest Angular/React JS sessions or subjects.	Angular and React JS is added in the 2020 curriculum.
26	I see there are 8 elective subjects. These electives should have a link where one elective drives to another. This will help student choose a particular type of technology.	Electives are framed in Networking, Data Science and Software Solution Development streams in every Semester in 2020 Scheme
27	Need to provide proper fundamentals like C language and unix subject in the first year syllabus.	The following points will be considered while framing the next syllabus.
28	The department should look at making teams of student to solve the real computational problems. This can be like summer interships in college with one or two credits.	

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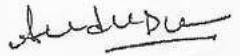## DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Analysis – AAC Committee

Suggestions and Remarks from Alumni Survey in 2020-2021

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DIRECTOR, MCA Dept.

Analysis – AAC Committee

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1.	Courses – *can be as elective or not needed* - Computer Organization and Architecture, E-commerce(63), Research Methodology(61), Discrete Mathematics (33), SPM(50) Elective courses – not needed - Computer Graphics(27), CMS(30),	As it is two year programme from three years - to be considered and discussed with faculty meeting and other stake holders if to add as elective based on the credits availabilty
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10.	Cyber Security:- Certain automation tools idea to be given. Basic principles of information security	Practice or assignment in related courses to consider

DIRECTOR, MCA Dept.

Date: 03 /05/2019

The following action plans were taken on the student feedback.
Academic year 2018-19

1. Errors in the Study material given in Quiklrn platform was rectified.
2. All the faculty were asked to maintain the pace of teaching considering slow and fast learners.
3. To make the course challenging for top performer more % of higher BT level questions incorporated in question paper.
4. Reducing the portions will be considered in major revision of curriculum, for the next scheme.
5. Care should be taken to explain the importance and engineering application of each unit pertaining to their specific branch.

Head, Dept. of Chemistry
RV College of Engineering
Bengaluru - 560 059

Date: 10 /07/2020

Following action plans were taken on the student feedback.
Academic year 2019-20

1. Due to Covid-19, the issues faced on online platform were considered to make students engaged, while learning.
2. All the faculty were asked to maintain professionalism by communicating to students by official mail and not by WhatsApp.
3. Due to emergency need replacement of teacher was done, students took time to get adjusted. Alternative steps will be considered for students to not get effected.
4. We too understand sudden change to online mode is not very effective but we are in the process of starting offline class as early as the pandemic situation permits.
5. Faculty were advised to record their class session and provide it to students. This action was taken for accountability and also for the students to have access those who missed the classes.

Head, Dept. of Chemistry
RV College of Engineering
Bengaluru - 560 059

Date: 07 /08/2021

Following action plans were taken on the student feedback Academic year 2020-21

1. New syllabus was framed and implanted.
2. Lab manuals were redesigned to reduce routine work for students and to concentrate more on experiments.
3. More weightage was given to inference and societal learning keeping the practical aspects learning.
4. Faculty were trained to take effective online/ offline class in a hybrid mode.
5. Faculty were advised to record their class session and provide it to students.
6. Usage of LMS was encouraged.

Head, Dept. of Chemistry
RV College of Engineering
Bengaluru - 560 059

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DEPARTMENT OF CHEMISTRY

Date: 13.08.2022

Following action plans were taken on the student feedback

Academic year 2021-22

1. Prototype / model / simulation was implemented as part of experiential learning.
2. Topics related to industry / research oriented to be considered for next revision.
3. Faculty groups were formed to collect feedback or input from different programs based on research collaboration / consultancy / need of chemistry in specific program wise.
4. Faculty were encouraged to take online NPTEL courses and attend FDP to enhance their learning.
5. Faculty were advised to publish papers in Engineering application-oriented journals.

HOD Chemistry

Head, Dept. of Chemistry
RV College of Engineering
Bengaluru - 560 059

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New Delhi

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DEPARTMENT OF CHEMISTRY

Date: 12.08.2023

Following action plans were taken on the student feedback.

Academic year 2022-23

1. Fine tuning of study materials is done.
2. Students were engaged in online / offline class.
3. Activity based learning incorporated and encouraged to do more of activity-based teaching.
4. Marks distribution pattern changed giving more weightage to experiential learning.
5. Evaluation pattern changed (exhibition mode).
6. Faculty were encouraged to take online NPTEL courses and attend FDP to enhance their learning.
7. Faculty were advised to publish papers in high standard Engineering application-oriented journals.
   Question paper pattern was aligned with SEE pattern for the students to get familiar and prepare for final exam.

HOD Chemistry

Head, Dept. of Chemistry
RV College of Engineering
Bengaluru - 560 059

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And NBA, New Delhi

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Action report – 2021 Scheme (BoS Feedback)

1. BOS members (Academic/Research Expert), strongly suggested to include control system as one of the core course in the curriculum
   - The core course, the control engineering course was introduced in III semester EIE , 2021 scheme.

2. BOS members (Academic/Research Expert), also suggested to enhance the automation content in the next semesters with more depth on the PLC languages along with DCS and SCADA systems.
   - The DCS and SCADA system with Lab component was introduced in VI semester curriculum. Given more emphasis on DCS and SCADA systems, as part of this SCADA experiments are designed and implemented in the scheme.

3. For the Professional elective Group- A NPTEL Courses (21El4AX for 3credits)
   - 05 courses were listed from NPTEL website, which was approved by the BOS members and same was implemented in the 2021 Scheme.

HoD

Action report – 2021 Scheme (Faculty Feedback)

1. The faculty has emphasised on skill based learning.

   - In the 2021 curriculum, skill lab was been introduced and

   - Given more weightage to experiential learning component.

2. Liberal art should be encouraged.

   - Ability enhance course including sports, music, art was included as part of curriculum

   - For few of the regular course, experiential learning was mapped to liberal arts.

3. Give handbook with Formula

   - The courses like Mathematics, physics and chemistry, the formula based handbooks were given during CIE and SEE.

4. Inclusion of Virtual lab/open-source software for courses

   - Regular online training on open software tools are arranged

HoD

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Action report – 2021 Scheme (BoS Feedback)

1. BOS members (Academic/Research Expert), strongly suggested to include fundamentals of sensor technology as Emerging technology course for I/II semester
    * The suggested to include only principle of operation of different sensors. The same suggestions were incorporated in the 2022 scheme.

HoD

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Action report – 2022 Scheme (Faculty Feedback)

1. The faculty has emphasised on branch specific mathematical course

   - In the 2022curriculum, branch specific, particularly electrical stream based mathematical content was introduced and implemented.

HoD

Action report – 2021/2022 Scheme (Alumni Feedback)

1. Introduction of futuristic engineering subjects pertaining to trendy technologies in general, relevant to Instrumentation.
   - The few of the courses like IoT, Machine Learning, Virtual Reality and Augmentation networks and python programming were introduced in different semesters of the 2021, 2022 Scheme.

2. Suggestion on Technical training need to be imparted to 1st year B.E Instrumentation students
   - Skill lab on PCB, Soldering integration and deign of small circuit were implemented in the curriculum.

3. Suggestion on Software programming languages for 1st semester BE
   - The more software based course were introduced in 2022 scheme as part of programming Language courses stream.

4. suggestion on any Innovative Teaching method for more effective learning
   - Design thinking Course is implemented and more weightage is given to Experiential learning.

5. participation of Industries in Engineering education
   - Summer internship is made mandatory courses in every scheme. And encourage the student to do their 8th semester projects in industry.

HoD