



Action Taken Report of Department of Mathematics

Action Taken Report (ATR) on Curriculum

A structured (rating-based) feedback form, designed by IQAC feedback committee, is circulated among stakeholders such as Students, Teachers, Alumni, and Industry experts by the department to get their suggestions with regard to the quality of the curriculum. The responses from stakeholders are analysed by the members of the feedback committee and suggestions are communicated to the department. The suggestions are discussed in the BOS meeting and necessary changes are recommended to the curriculum. These recommendations are forwarded to the Academic Council for approval. Based on the amendments made by the Academic Council, an Action Taken Report (ATR) is prepared by the department and is submitted to the IQAC.





Criterion I - **Curricular Aspects**

Action Taken Report 2016-17

Suggestions Received	Action Taken
Make the assessment and evaluation process more effective	As per the feedback received, the question bank system was introduced for the fair conduct of examination.
Ensure the credibility of the question bank	Implementation of structured vetting procedures (both internal and external) to improve the quality of examination questions.
Need for ICT enabled teaching-learning process	Decided to implement an ICT based teaching- learning process.
Improve the instructional design pattern to maximize the effectiveness and efficiency of learning experience	Adopted ADDIE format for curriculum design.

Action Taken Report 2017-18

Suggestions Received	Action Taken
Include Real Life Mathematical Modelling in the syllabus	Included Real Life Mathematical Modelling in the syllabus in the sixth semester as a zero-credit course
Include finance components in the accounting programme.	Modified the syllabus by including financial components in the accounting paper
Emphasis should be given to research skills	Decided to start the first phase of the project in the fifth semester itself.
Include Python Language in the syllabus	Included Python Language in the syllabus of the fourth semester

Action Taken Report 2018-19

Suggestions Received	Action Taken
Need for non-credit courses in the syllabus.	Following non-credit courses were introduced: 1) Life skills in the first semester 2) Word press in the second semester 3) Introduction to income tax in the third semester





Criterion I - **Curricular Aspects**

	4) Skill Enhancement in Data Analytics in the fourth semester 5) LaTeX in the fifth semester
To change the name and syllabus of common course English.	Modified the syllabus and name of common course English
Revise complementary computer science syllabus	Revised complementary computer science with topics of contemporary relevance
Incorporate ethical components in the curriculum	Ethical components have been added to the syllabus of following courses: Mathematics and Statistics course. 1) UMA1802: Foundation of Mathematics 2) UMA1803: Basic Statistics 3) UMA1822: Statistical Inference 4) UMA1832: Discrete Mathematics 5) UMA1834: Operations Research

Action Taken Report 2019-20

Suggestions Received	Action Taken
Need of courses catering to the industrial needs	Computer science courses were modified catering to industrial demands
Incorporate Computer Fundamentals as a non-credit course	Incorporated Computer Fundamentals as a non-credit course in the second semester.
Topics of contemporary relevance should be included in the syllabus	The modified syllabus of Second languages (Hindi & Malayalam) were included in the first, second, third and fourth semesters.
Students must be provided with other options of second languages	Included the syllabus of German as a second language course in addition to Hindi and Malayalam.





Criterion I - **Curricular Aspects**

Modify the syllabus of Accounting paper with latest contents	The modified syllabus of Accounting was included in the first, second and third semesters.
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Action Taken Report 2020-21

Suggestions Received	Action Taken
Modify the syllabus of Operations Research and Discrete Mathematics	Modified the syllabus of Operations Research and Discrete Mathematics in the sixth semester
Modify the syllabus of Environmental Studies and Human Resources with the programme concerned. Modify the syllabus of Differential Equations and Applicable Mathematics	Modified the syllabus of Environmental Studies and Human Resources, Differential Equations and Applicable Mathematics by including contents pertaining to contemporary relevance.
Modify the syllabus of Python Programming and Mathematics for Competitive Examinations and Soft Skills	The modified syllabus of Python Programming and Mathematics for Competitive Examinations and Soft Skills were included in the fourth semester.
Modify the syllabus of Network and Web Development, Banking and Computerized Accounting	The modified syllabus of Network and Web Development, Banking and Computerized Accounting were included in the second semester.
Need for more non-credit courses	A new non-credit course titled 'Tally ERP 9 for Beginners' has been proposed to include in the syllabus.





Criterion I - **Curricular Aspects**

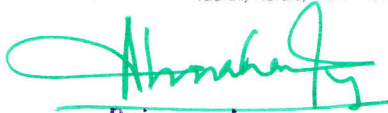
Modify the syllabus of Accounting paper with latest contents	The modified syllabus of Accounting was included in the first, second and third semesters.
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Action Taken Report 2020-21

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Modify the syllabus of Environmental Studies and Human Resources with the programme concerned. Modify the syllabus of Differential Equations and Applicable Mathematics	Modified the syllabus of Environmental Studies and Human Resources, Differential Equations and Applicable Mathematics by including contents pertaining to contemporary relevance.
Modify the syllabus of Python Programming and Mathematics for Competitive Examinations and Soft Skills	The modified syllabus of Python Programming and Mathematics for Competitive Examinations and Soft Skills were included in the fourth semester.
Modify the syllabus of Network and Web Development, Banking and Computerized Accounting	The modified syllabus of Network and Web Development, Banking and Computerized Accounting were included in the second semester.
Need for more non-credit courses	A new non-credit course titled 'Tally ERP 9 for Beginners' has been proposed to include in the syllabus.


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