



PRESIDENCY UNIVERSITY

(Established under the Private University Act, 2013 of the Karnataka Act 41 of 2013)

Department of Chemistry, SoE

Academic Year 2021-2022

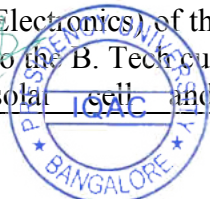
Feedback from Students and action taken report

Sl. No	Feedback	Action Taken
1	Some courses should be lab embedded	The suggestions are considered and necessary changes have been made.
2	Revision is required and should include some topics that could help to take-up projects for B.Tech courses.	Necessary modifications in the syllabus have been done as per suggestions.



Feedback from Faculties and action taken report

Sl. No	Feedback	Action Taken
1	In CHE 1002, Polymers and Engineering materials concepts may be included which is important for students	The suggestions are considered and necessary changes have been made.
2	In CHE 1004, basic elements of IoT, biodegradable polymers, non-carbon based polymers (inorganic polymers) and inorganic sulfide, ASTM standards details can be included in the syllabus.	The suggestions are considered and necessary changes have been made.
3	In CHE 1005, fundamental aspects of stereochemistry including the types of forces which are significant in holding the chemical structure is suggested to be included. Topics such as 'analytical chemistry, and spectral analysis, applications of quantitative structure activity relationship' is suggested to omit.	As per suggestion, few topics like, analytical chemistry, spectral analysis, etc. are omitted, instead fundamental aspects of stereochemistry is include in the syllabus.
4	In CHE 1008, more insights can be given on the topic of fossil fuels. Futuristic aspects of fossil fuels is expected to include some peculiar type like shale gas. Carbon capture for fossil fuels and energy economics can be discussed in detail.	Necessary modifications in the syllabus have been done as per suggestions.
5	In CHE 1009, include working principle of 3D printing technology, materials and process details for the various 3D printing technology, differences between conventional and additive manufacturing process. ASTM standards details can also be added in the syllabus.	Based on the suggestions, few topics, e.g., historical developments and recent developments, common materials and challenges are removed and recommended topics are added.
6	For CHE 1010, since few students are not from biology background, basics of biology like DNA, RNA, proteins should be included. As well as, introduce types of sequencing.	Necessary alteration have been done as per proposition.
7	In CHE 1012, basics of honey comb structures can be included as it is an important parameter for the minimization of materials. Few important industrial fabrication process and failure analysis in composites can also be included.	As per the suggestion, honey comb structures in composites –properties and applications and failure analysis of composites have been included.
8	In CHE 1013, Module 2 (Organic Electronics) of the course is not very relevant to the B. Tech curriculum. The topic fuel cell, solar cell and supercapacitors can be	According to the suggestion the portion had been removed. Instead of 'Organic Electronics', 'Energy conversion Devices Fuel cells, super capacitors, solar cells' is



	introduced in the course	included in Module 2.
9	In CHE 1014, advantages of electroless plating, general types of corrosion, different factors affecting the rate of corrosion and design and selection of the material can be included in the syllabus	Necessary alteration have been done as per proposition.

Feedback from Alumni and action taken report

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1	More interesting and recently advanced, trending courses should be included in the curriculum.	We introduced 16 new open electives courses 2021-22 academic year, in order to give exposure to students on new and emerging areas.
2	Give practical based course related to environmental science	Suggestion is considered and a new lab based environmental science course is introduced.
3	Provide question banks.	The question banks were prepared by the department faculties and were shared with the students.
4	Value Added Courses (VAC) should be offered.	Every semester value added courses from Chemistry Department are being offered to the students from the academic year 2020-21.



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4	Value Added Courses (VAC) should be offered.	Every semester value added courses from Chemistry Department are being offered to the students from the academic year 2020-21.



Pursuant to feedback received from stakeholders, new courses have been added to curriculum as shown in Annexure I

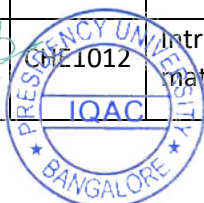
Annexure I list of new courses (2021-2022)

SI. No.	COURSE CODE	COURSE NAME	L	T	P	C	Year of Introduction
1	CHE 1017	Applied Chemistry	2	0	0	2	2022-2023
2	CHE 1018	Environmental Science	1	0	2	0	2022-2023
3	CHE1019	Fundamentals of Environmental studies	2	0	0	2	2022-2023

Pursuant to feedback received from stakeholders, the following courses have been revised as shown in Annexure II

Annexure II list of revised courses (2021-2022)

SI. No.	COURSE CODE	COURSE NAME	L	T	P	C	Year of Introduction
1	CHE1002	Industrial Chemistry	2	0	2	3	2021-22
2	CHE1004	Smart materials for IOT	3	0	0	3	2021-22
3	CHE1005	Computational Chemistry	3	0	0	3	2021-22
4	CHE1006	Introduction to Nanotechnology	3	0	0	3	2021-22
5	CHE1008	Energy and Sustainability	2	0	0	2	2021-22
6	CHE1009	3D printing and polymers	3	0	0	3	2021-22
7	CHE1010	Bioinformatics	2	0	0	2	2021-22
8	CHE1011	Chemical and Petrochemical catalysts	3	0	0	3	2021-22
9	CHE1012	Introduction to Composite materials	3	0	0	3	2021-22



10	CHE1013	Chemistry for Engineers	3	0	0	3	2021-22
11	CHE1014	Surface Coating technology and Corrosion Science	3	0	0	3	2021-22

