

Feedback Received from Academic Units on MSc Concept Paper

S.No.	Department	Comments
1.	Civil Engineering	The reduction of credit requirement from 95 to 75 is welcome.
2.	Management Studies	No comments
3	CARE	No comments
4.	Kusuma School of Biological Sciences	Accepted the approach paper for the MSc Curriculum.
5.	CES	No comments
6.	CAS	No comments
7.	Chemical Engineering	- As both MSc and MBA programmes are of two years duration, therefore the total credit requirements for both the programme should be the same. - The total credit requirement for MSc program should be different from M.Tech. program. - Since M.Sc is prelude to the Ph.D. programme, more emphasis should be given to the research components.
8.	Computer Sci. & Engg.	- Proposed structure seems to be fine as there is reduction in credits but still on higher credits as compared to M.Tech. old structure (60 credits). - Less flexibility and more focus on core - Good idea to propose 1-2 bridge courses extra than normal requirement to bring heterogeneity at the same level.
9.	Physics	a) The Draft paper suggested that second part of the major project will be optional. Since Master's degree is expected to prepare the students for higher studies, the Department recommends that the two semester Major Project should be mandatory for all students and should be a part of the core of the program. b) The Draft paper suggests reduction of total credits for the M.Sc. degree from the current 90 to somewhere between 75-80. The recommendation of the Departmental Committee for revision of M.Sc program was discussed and the following scheme is being proposed: - M.Sc. without specialization (total credit 81=69 (DC) + 6PE) +6 (OC) and - M.Sc. with specialization (total credit 90 = 69 (DC) + 6(PE) + 6 (OC) +9 (DS) - For the specialization student has to take 3 courses (each the 3 credits) all from one of the specialization streams that the department will finalize.

10.	Mechanical Engineering	a) Regarding the Background of the issues: The objective of the M.Sc. program should be defined clearly. It is felt that the 'diversity in the aspirations' that is mentioned is not a new phenomenon and has been there from a long time. An assessment of expectations and aspirations needs to be done. The programmes should be benchmarked against similar programmes in the nation (especially IISc, IISERs)/ foreign institutions. As the nation moves to a 4-year B.Sc. format, the nature and scope of the M.Sc. program needs to be re-assessed. b) Basis for the number of credits and number of hours a student is expected to spend for each credit should be mentioned. The credits structure will also depend upon whether the M.Sc. program is treated like a UG or a PG program. c) Regarding the proposals: The students should have flexibility to take courses from other M.Sc. programs or also to design their own program of interest. There should be no tutorials at the M.Sc. level. d) There are now several 4-year B.S./B.Sc. programs being offered in the country along with conventional 3-year programs. This fact does not appear to have been factored in. The aspect would also be an important aspect to attract these students to the proposed M.Sc. + Ph>D. Dual Degree program. Many B.Tech. graduates have gone on to get advanced degrees in sciences, however, such opportunities at IITD are not available. e) Overlap of M.Sc. courses with courses in B.Tech. and M.Tech. programs should be identified. M.Sc. courses could be opened to UG/PG students across the institute.
11.	Chemistry	a) The department has agreed to the proposed credit structure [Core/Program electives- 69+ OE 6] totalling 75 credits. Project will be in two parts: One Minor and another Major. However, the Chemistry Department would like to retain flexibility in assigning credit distribution over third and fourth semesters. b) Tutorials will be included as part of core course. c) The department prefers to keep the maximum at 22 credits in the first semester. d) The project component and electives will be in specialized sub-disciplines, and hence specialization at the M.Sc. level is not an option. e) The department is in favour of the proposed M.Sc. + Ph.D. Dual Degree. Flexibility should be given to the department to lay out the conditions for conversion to a PhD degree. Qualification in any National level exam GATE/CSIR/DBT etc. will entail the students to opt for conversion. GATE qualified will receive assistantship from IITD while others will have their own fellowship. Protocol to be adopted for evaluation of M.Sc. project Part-I was discussed. No consensus could be reached. The HOD was empowered to decide, after discussion with the M.Sc. students, on the procedure to be followed.

Proposed structure for Revised M.Sc. curriculum (Chemistry)

Semester	Proposed Structure	Credits per semester	Contact hrs
I	6 core + 2 Labs	22	26
II	6 core + 2 Labs	22	26
III	4 Elect. + Minor Proj.	17	22
IV	2 Elect. + Major Proj.	14	22
	Total	75	96

12.	Mathematics	DFB agreed on the credit structures as suggested in approach paper (i) Program Core + elective: 69 (PE minimum 9). (ii) Open Electives (OE): 6): Total 75 credits) and decided to have 51 credits of DE (consisting of 12 courses of 4 credits each and one 3 credit project) and 18 credits of Program Electives. DFB discussed the Integrated M.Sc. + Ph.D. Programme proposal of the approach paper and agreed in principle for the same. DFB also resolved the following: - Students having 8 CGPA in 1st year of M.Sc. will be eligible for Integrated M.Sc. + Ph.D. programme. The intake will be maximum 10 students. - The selection of the students will be through some interview conducted by the Department and the allocation of students to supervisors will be done following the existing Ph.D. Allocation rules of the Department. - The GATE fellowships to these students will be over and above the existing GATE fellowship to the Ph.D. students. - There should be an exit option in the programme. The exit option will be applied only after the completion of 3 years and such student will exit with an M.Sc. Degree provided they successfully complete the M.Sc. degree requirement. DFB discussed the M.Sc. with specialization and agreed for the same. DFB also decided that each specialization has to be broad-based and the number of specializations will not be too many. The details of the specializations will be decided in due course in DFB.
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