

MINUTES OF DEPARTMENT STAFF MEETING

Minutes of the Department meeting held on 23/02/2023 at 1:00 PM in room no 210

Members Present are: -

1. Dr. S Anoop Kumar, HoD (ME)
2. Dr. E Jayakumar
3. Prof Shajan S
4. Dr. Shimi Lawrence
5. Dr Anoop M S
6. Dr G Mohan
7. Dr Shyji S
8. Dr V K Chithrakumar
9. Dr R Ajith
10. Prof. Harikuttan K
11. Dr Rajesh S P
12. Dr. Kamal Krishna R

Minutes of the Meeting are: -

1. The main agenda of the meeting is to discuss the attributes which framing and designing the curriculum and the syllabus for the 2023 scheme based on the Graduate Attributes. The Scheme and syllabus of the Mechanical automobile engineering should be modified to include Electrical Technology, AC and DC motors, Electrical/Electronic Control system, Electrical machines and control Lab, MATLAB and programming sessions etc. The syllabus for Theory of machines and Dynamics of Machinery has to be optimised and the Design subjects has to separated as Design 1 and Design 2. The thermal lab can include purely thermal experiments and a separate Dynamics laboratory is required in the curriculum.
2. The semester 1 subjects can be common for all. The common syllabus in the first semester (especially the Engineering Graphics and Mechanics) can help establish a common foundation and level of knowledge among students from different backgrounds. Also, from first semester onwards the courses can be selected as group specific subjects.
3. The engineering graphics can be offered as a computer-aided practical course, but the content must be modified to make it use for all the engineering students. The syllabus must include Scales, and more importance must be given for the projection of solids.
4. A One-month break to students can be given during their 4th and 6th semester for doing internships in the reputed industries and identify a project topic can be a beneficial approach to promoting their learning and professional development.
5. The curriculum of Mechanical Automobile branch shall be framed from the curricula of the Mechanical Engineering branch in such a way that Mech (Auto) must include 45-55% credits (theory & practical courses) from S3 to S8 of the Mechanical Engg. branch and remaining from S3 to S8 of the Automobile Engg. branch.
6. It is recommended to include 8 number (6 Theory +2 Lab/Drawing) of courses per semester. One course per semester can be identified for project-based learning. The total credits of the Course can be enhanced to 180 with the Minor/Honours can add 20 credits to the stipulated 160 to make a total of 180 credits.

7. The B. Tech (Honours)/Minors can be modified in the scheme in such a way that it can be conducted as a resource specific course which can be used to earn additional credits by completing Massive Open Online Courses (MOOCs) approved by the university. It can be added to the scheme that doing Mini Projects is not necessary for completing the Minor/Honour, only MOOC courses are required.
8. It is recommended to implement technology-based start-up, which is Engineering/Technology/Branch Specific.
9. It is suggested that the prerequisite for the elective courses is desirable not mandatory.
10. It is recommended that the Inter-college transfer may be completed before the commencement of Second semester.
11. It is suggested that the classification of the degree is not mandatory in the mark list.
12. It is suggested that the Mathematics and Basic sciences can be chosen appropriately by the respective branches.
13. The students can be permitted to conduct Industrial Visits/Internships after the 4th semester and 6th Semester study.
14. It is recommended to give 2 Credits upon completion of 100 activity points. The details of the activity points can be prepared by Dr. Shimi Lawrence.
15. It is recommended to normalize the internal mark for the courses based on the End Semester Mark awarded to the students.
16. It is suggested to have 3-hour End Semester Examinations (as per the current practice) with the following details for CIA/ESE mark ratio:
 - 1:2 for all theory courses,
 - 1:1 for all laboratory courses,
 - 1:2 for project-based courses (CIA weightage- 40% for project, 40% for Test, 20% for attendance)
 - 2:1 for project work.
17. Attendance can be continued as per the current practice.
18. The mathematics course must be application based.
19. C programming, Python programming with OOPs concepts can be given to students during S1 and S2 courses for all Engineering branches.
20. Professional core courses are to be designed based on the industry perspective, Higher studies opportunities and GATE perspective.
21. The internal assessment can be done as per the existing technique, but suitable weightage for attendance must be included.
22. Pass minimum for the University examination can be made to 40%.
23. It is recommended not to remove the Credit barrier for promotion to higher semesters for all students who complete the examinations.
24. It is suggested that No online exam is required for conducting the ESE. The question papers prepared for the courses should be a subject pattern based question. Also it is recommended that the University should conduct all the practical examinations. The mandatory Non credit subjects can be converted to the MOOC courses.

25. The practical courses are to be integrated with the respective theory courses. The elective courses should be over before the Seventh semester and it is recommended to include not more than 2 elective courses in each semester. The allotment of courses as an elective must be uniform for the branches (for eg:- In Mechanical branch, give equal weightage to courses coming under the streams of Thermal, Machine Design, Manufacturing etc)

The meeting came to an end by 3.00 PM

of department meeting held at-210 on 23/2/2023. at 1:00 pm

bes present are

Dr S. Anoop Kumar, HOD. (ME)

Dr. Jayakumar. E

~~E. Jayakumar~~

Shojaan S

~~Shojaan S~~

Dr. Khimi Lawrence

~~Dr. Khimi Lawrence~~

Anoop MS

~~Anoop MS~~

Dr. Mohan S.

~~Dr. Mohan S.~~

Shyji P

~~Shyji P~~

Chittikumar V.K.

~~Chittikumar V.K.~~

S. Anitha

~~S. Anitha~~

Harikuttan K

~~Harikuttan K~~

RAJESH - S. P

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