

# Mechanical Engineering Department



## **GOVT. ENGINEERING COLLEGE, AJMER**

(An Autonomous Institute of Govt. of Rajasthan)

Barliya Chouraha, NH. - 8, Ajmer (305025)

GECA/ME/19/578

Minutes of DFB meeting held on Aug 31, 2019

Date:- 04/09/19

Departmental faculty board meeting was held in NB 218 (Mechanical Engineering Department) on 31 August 2019. Following faculty were present,

1. Dr. Alok Khatri
2. Dr. Chandan Sharma
3. Mr. Yogesh K. Gupta
4. Dr. Devendra Chaudhary
5. Dr. Sandesh Trivedi
6. Mr. Dilip Gehlot
7. Mr. Tarun K. Aseri
8. Mr. Vinod Kumar Verma
9. Dr. Doraj Kamal
10. Dr. Jai Kishan
11. Mr. Jagbir Singh
12. Mr. Kamal Singh

*Following points were discussed:*

1. Student Survey for AICTE/TEQIP etc. will be coordinated by following faculty members  
II<sup>nd</sup> Year- Mr. Jagbir Singh.  
III<sup>rd</sup> Year- Mr. Kamal Singh.  
IV<sup>th</sup> Year- Dr. Jai Kishan
2. Revised Guidelines for allotment of UG project selection has been finalized and attached.

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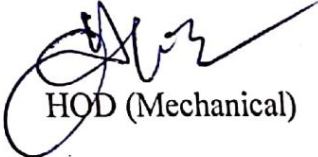
3. Follow-up Teams for NBA work has been finalized as below:

- a. Lab manuals 2<sup>nd</sup> year and NBA core File 1-10 – Mr. Jagbir Singh.
- b. Lab manuals 3<sup>rd</sup> year and NBA core File 11-20- Mr.Kamal Singh.
- c. Lab manuals 1<sup>st</sup> year and 4<sup>th</sup> year and NBA core File 21-30- Dr. Jai Kishan.
- d. Personal Files- Dr.Chandan Sharma
- e. Course Files – Dr. Doraj Kamal
- f. Uploading of NBA related Documents and Feedbacks- Mr. TarunAseri

4. It was decided that for final year UG Project progress PPT will be conducted in front of faculty committee. Schedule time and date will be decided by the project coordinator. For stage 1 project, a Poster PPT with report will be submitted by the students to coordinator(s).

6. Project coordinator will initiate the process of allotment of project for final year at month of March- April of start of final year session.

  
(Dr. Jai Kishan)  
(DAB Secretary)  
Copy (through website) to:

  
HOD (Mechanical)

- Principal for kind information
- Faculty by circulation
- Guard file

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ACADEMIC SESSION 2019-20**  
**FORMULATION OF POLICY / GUIDELINES FOR B.TECH PROJECTS**

1. Group size:-

a) In order to ensure participation of each student it is felt that the average group size should be 5.

Therefore, the group size should vary from 4 to 6 students per group.

b) Constraint: Each group should be so formed such that the students having % age less than 60% are evenly allotted to each Project-group.

2. No. of project groups to be guided by each faculty.

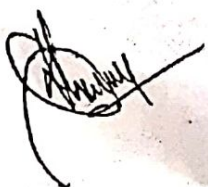
At present <sup>there are 14</sup> ~~there are~~ (11 regular and 3 NPIU) faculty members in ME Dept. and approximately 90 students in VII Sem. Therefore, with average group size of 5, 18 project groups or batches will get formed. Therefore, each faculty will get at least one group, while remaining 4 or 5 batches allotted according to the preferences of students thus allowing a faculty member to become guide of maximum two projects only.

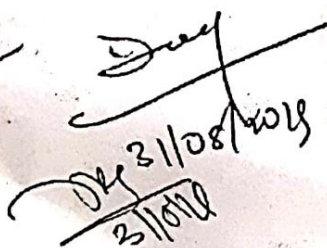
3. Co-guide:-

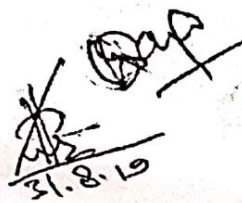
Since each faculty has to guide 2 project groups, he should not act as co-guide in departmental projects. However, he may act as co-guide in one project additionally. All faculty members shall give their area(s) of interest and/or title of the project(s), which they are interested to guide.

4. Allocation of the project guides:-

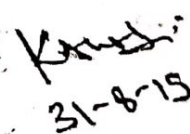
- I. Name of the guides and their area(s) of interest and/or title of the project(s) shall be displayed to all project groups.
- II. Each group shall give an application mentioning its average percentage and choice of guides and/or title of project in order of preference.
- III. Application of the groups shall be arranged in descending order of merit (avg. % of groups).
- IV. Guides shall be allocated to each group on merit basis(i.e. highest avg. group % shall be considered first), as per their field choice, subject to availability.

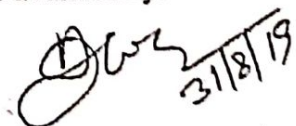


  
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- V. Each group shall submit a one page synopsis signed by guide to the project coordinator(s) and allotment shall be finalized only if synopsis is found satisfactory.

5. Evaluation:-

Each group shall deliver power point presentation of 10 minutes, which shall be evaluated by the project coordinator twice in each semester. The guide is expected to attend the presentation of his group.

6. Distribution of marks:-

The distribution of marks shall be as decided in meeting dated of all HOD(s) with the principal. The scheme is mentioned below:

Internal assessment – 60%

Break up

Guide- 40%

Project Coordinator- 20%

External exam- 40%

7. Nature of Project:-

Projects in the Mechanical Engg. Dept. should be of any of the categories mentioned below:-

I. Design and fabrication involving Mechanical Engg.

II. Analytical projects involving use of mathematics and data analysis using software's, but the problem must be of Mechanical Engg.

**Important Note:** - Project already completed by previous batches must not be repeated. Modifications in experimental set-up or improving/retrofitting are permitted, but only in case where some new concept/extension is there. Mere substitution of parameters shall not be allowed.

*Durg*  
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*Ramp*

*YIU*  
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*Prasanna*  
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8. Structure/Guideline for project report:-


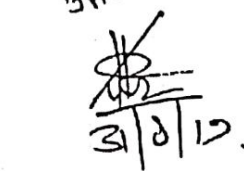
- a. Introduction/Historical background/concept. These must be well supported by literature review, and the references must be mentioned as per the standard format.
- b. Problem statement / overview of project, well supported by justification.
- c. Methodology
- d. Design details (if relevant) including cost analysis assumption, design criteria, trade-offs, constraints etc.
- e. Observation / calculation / data analysis.
- f. Result
- g. Discussion including advantages, limitation, feasibility
- h. Conclusion
- i. References- All citation mentioned in literature review must be included.

All guides must ensure above guidelines before signing on the certificate.

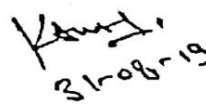
9. Format of project report as prescribed by RTU shall be made available by project coordinators.

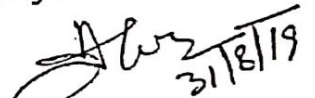
  


  
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P83