

Dt : 09/01/2021.

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF BOARD OF STUDIES MEETING

The departmental Board of Studies meeting was held on 09/01/2021 through online with HOD as the chair.

Agenda

- Discussion and Ratification of GRBT-19 III & IV year proposed syllabus and ratification of the same.
- Discussion on proposed GRMT-20 course structure and syllabus for M Tech: CAD/CAM and Thermal Engineering courses and ratification of the same.
- Discussion and Ratification of GRBT-20 I year proposed course structure and syllabus and ratification of the same.
- Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses.
- Finalization of Text books and Reference books.
- Finalization of Examiners list from reputed organizations.
- Any other item.

Dr. M Sreenivasa Rao, Chairman BOS and HOD welcomed and introduced all the members of meeting for their gracious presence in the meeting towards improvement of course structure and syllabus.

THE CONSTITUTION OF BOARD OF STUDIES

1	Dr. M. Sreenivasa Rao Head of the Department, GIET (A), RJY.	BoS Chairman
2	Dr. B. Balakrishna Professor, UCE, JNTUK, Kakinada.	University Nominee
3	Dr. D. Ravi Kumar Professor, IIT Delhi, New Delhi.	Subject Expert
4	Mr. Rajiv Armadaka DS India Ltd., Bangalore	Industrial Expert
5	Dr. P.M.M.S. Sarma Professor & Principal, GIET (A), RJY.	Member

- vii) Expert members have suggested to remove some topics which are covered in other subjects in the syllabus of Metrology and Instrumentation subject, modifications incorporated, reviewed and accepted.
- viii) Expert members have suggested to add Arc additive manufacturing in the syllabus of Advanced Foundry and Welding Technology subject, modifications incorporated, reviewed and accepted.
- ix) Expert members have suggested to change the unit title from surface treatment to surface engineering and some minor changes in the syllabus of Advanced Manufacturing Processes subject, suggestions incorporated, reviewed and accepted.
- x) Expert members have suggested some minor modifications in the syllabus of Design for Manufacturing subject, modifications incorporated, reviewed and accepted.
- xi) Expert members have suggested some minor modifications in the syllabus of Additive Manufacturing subject, modifications incorporated, reviewed and accepted.

2. The course structure for M.Tech. CAD/CAM and Thermal Engineering of GRMT-20 was discussed thoroughly. The prerequisites for different subjects were verified and discussed.

- i) Two audit courses are placed in I & II semesters. The list of audit courses was verified by expert members and accepted for inclusion in the course structure.
- ii) One open elective has been included in the course structure, reviewed and accepted.
- iii) Five professional elective subjects have been included in the course structure. The list of elective subjects have been thoroughly discussed and accepted.
- iv) An option has been given to the students to choose MOOCS to complete professional elective-V and open elective, which are in III semester, the same has been accepted by expert members.
- v) The expert members suggested some inclusions in the syllabus of Geometric Modeling, modifications incorporated, reviewed and accepted.
- vi) New experiments related to nonlinear analysis are suggested to add in the syllabus of Advanced CAD Lab, modifications incorporated, reviewed and accepted.
- vii) Expert members suggested to change Advanced Manufacturing Lab title to Manufacturing Lab. Title changed, reviewed and accepted.
- viii) Expert members suggested to change Simulation of Manufacturing Systems Lab title to Simulation of Manufacturing Processes Lab. Title changed, reviewed and accepted.
- ix) For Thermal Engineering laboratory a new experiments related to Refrigeration and Air conditioning are suggested by expert members, the same has been added to the existing, reviewed and accepted.

3. The course structure and syllabus of I year GRBT-20, B.Tech. program to be ratified was discussed thoroughly.

- i) Environmental studies subject has been placed as a mandatory without credits in I year II semester the same discussed and accepted
- ii) Metallurgy and Material Science subject i also placed as an Engineering Science course in I year II semester, Members suggested to change the title to Material Science and Metallurgy. Modified the title as per suggestions, discussed and accepted.

4. The structure and model question papers of GRBT-20, for external and internal evaluation has been reviewed and approved as given below.

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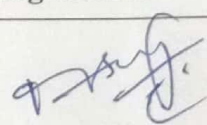
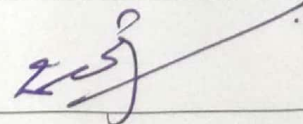
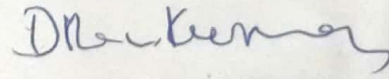
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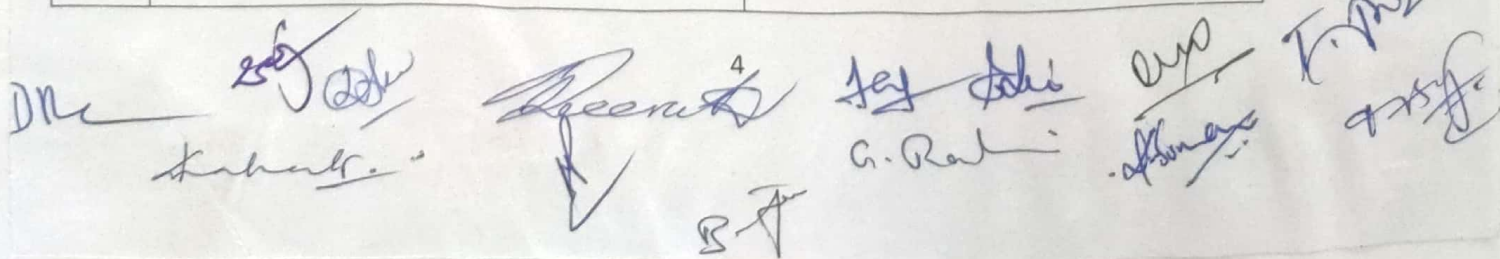
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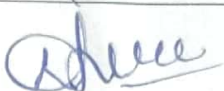
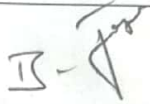
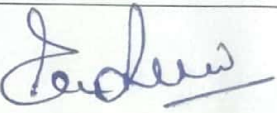
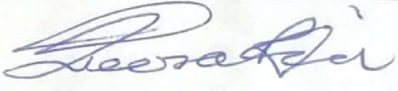
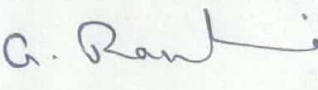
- i) For theory courses: 30 marks for continuous internal evaluation and 70 marks for end semester examination.
 - ii) For laboratory courses: 50 marks for continuous internal evaluation and 50 marks end semester examination.
 - iii) For Engineering Graphics 30 marks for continuous internal evaluation and 70 marks for end semester examination.
 - iv) For main project, 80 marks for continuous internal evaluation and 120 marks for end semester examination.
5. The structure and model question papers of GRMT-20, for external and internal evaluation has been reviewed and approved as given below.
- i) For theory courses: 40 marks for continuous internal evaluation and 60 marks for end semester examination.
 - ii) For laboratory courses: 40 marks for continuous internal evaluation and 60 marks for end semester examination.
6. The list of subjects experts from various reputed institutions for paper setting and list of examiners for paper evaluation has been verified and approved. However BOS authorised the Chairman to change above mentioned list if necessary.
7. Minimum of two text books and two reference books were given with title, author and publishers for each subject in the syllabus copy. The expert members verified the above and found suitable for the concerned courses.

The Chairman – BOS mechanical engineering thanked all members especially members who joined and participated externally in designing and enrichment of the curriculum. The chairman also thanked all members for giving valuable suggestions to bring more improvements for the benefit of the students in concurrent environment.

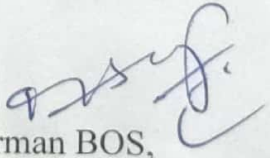
The following BOS members were Present

S.No	BoS Members	Signatures
1	Dr. M. Sreenivasa Rao Head of the Department, GIET (A), RJY.	
2	Dr. B. Balakrishna Professor, UCE, JNTUK, Kakinada.	
3	Dr. D. Ravi Kumar Professor, IIT Delhi, New Delhi.	
4	Mr. Rajiv Armadaka DS India Ltd., Bangalore	Approved in Online



5	Dr. P.M.M.S. Sarma Professor & Principal, GIET (A), RJY.	
6	Dr. M.V. Sekhar Babu Professor & Dean P&M, GIET (A), RJY.	
7	Dr. T. Jayananda Kumar Professor & Dean AA, GIET (A), RJY.	
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10	Mr. B.Joga Rao Assoc. Professor, GIET(A), RJY	
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12	Mr. P. Veera Raju Assoc. Professor, GIET (A), RJY.	
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14	Mr. G Ramakrishna Asst. Professor, GIET (A), RJY.	
15	Mr. D. Suman Assoc. Professor, GIET (A), RJY.	

All other mechanical departmental faculty also attended the meeting.


Chairman BOS,
Department of Mechanical Engineering,
GIET (A), RJY.

Dt : 09/10/2021.

DEPARTMENT OF MECHANICAL ENGINEERING
MINUTES OF BOARD OF STUDIES MEETING

The departmental Board of Studies meeting was held on **09/10/2021** through online with HoD as the chair.

Agenda

- Discussion and Ratification of GRBT-20 II year proposed course structure and ratification of the same
- Finalization of II Year I & II semester Syllabus of GRBT-20.
- Finalization of GRBT-20, Minor Courses offered to other Departments.
- Finalization of GRBT-20, Courses offered for Honors programme.
- Finalization of Text books and Reference books
- Any other item

Dr. M Sreenivasa Rao, BoS Chairman and HoD welcomed and introduced all the members of meeting for their gracious presence in the meeting towards improvement of course structure and syllabus.

THE CONSTITUTION OF BOARD OF STUDIES

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4	Mr. Rajiv Armadaka DS India Ltd., Bangalore	Industrial Expert
5	Dr. P.M.M.S. Sarma Professor & Principal, GIET (A), RJY.	Member
6	Dr. M.V. Sekhar Babu Professor & Dean P&M, GIET (A), RJY.	Special Invitee
7	Dr. T. Jayananda Kumar Professor & Dean AA, GIET (A), RJY.	Member

8	Dr. D Santha Rao Professor, GIET (A), RJY.	Member
9	Mr. M. Kedaranath Assoc. Professor, GIET (A), RJY.	Member
10	Mr. B.Joga Rao Assoc. Professor, GIET(A), RJY	Member
11	Mrs. E. Nirmala Devi Assoc. Professor, GIET (A), RJY.	Member
12	Mr. A. Babji Assoc. Professor, GIET (A), RJY.	Member
13	Mr. M. Balakrishna Sr. Asst. Professor, GIET (A), RJY.	Member
14	Dr. G Ramakrishna Assoc. Professor, GIET (A), RJY.	Member
15	Mr. D. Suman Assoc. Professor, GIET (A), RJY.	Member

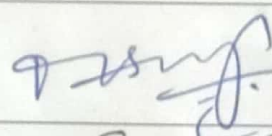
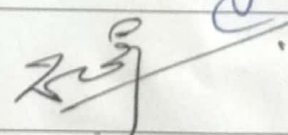
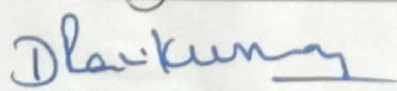
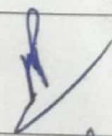
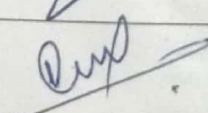
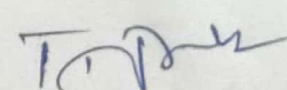
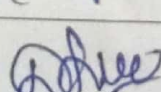
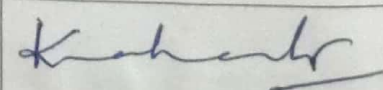
The Members discussed the points in the agenda one by one and resolved the following:

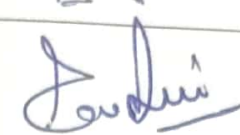
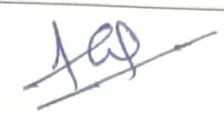
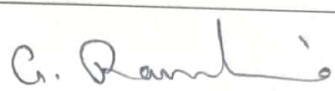
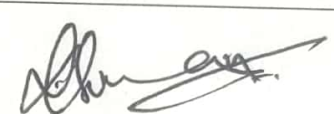
1. The proposed course structure of GRBT-20 II year to be ratified was discussed thoroughly and accepted.
2. The syllabus of GRBT-20 II Year I & II semester Syllabus has been verified, discussed thoroughly and accepted with the following minor changes.
 - i) The committee members suggested to add introduction of Refrigeration and Air Conditioning in Thermodynamics subject. We incorporated the above in the fourth unit of Thermodynamics subject.
 - ii) The committee members advised to change the subject title of Computer Aided Drafting and Modeling as Computer Aided Design and Modeling. Title has been changed as per the suggestions.
 - iii) Regarding the Numerical Modeling for Mechanical Engineers, the committee members advised to change the L T P structure from 2 0 2 to 0 2 2 and also advised to follow the assessment as lab assessment. Modifications incorporated as per the suggestions.
 - iv) The committee members advised to remove the powder compaction and sintering experiment from production technology lab as it is not included in the Production Technology theory subject. Experiment removed from the Lab as per the suggestions.
3. In GRBT-20 proposed Minor Courses offered to other Departments to be ratified was discussed thoroughly and accepted with few suggestions.
 - i) The committee members suggested to add Mechanics of Solids as a prerequisite for Fundamentals of Machine Design subject in the minor course and added the same.

- ii) The committee members suggested to prepare the separate syllabus for Minor degree programs offered to other branches.
4. In GRBT-20 Courses offered for Honors programme to be ratified was discussed thoroughly and accepted with some minor changes.
- i). In Autotronics and Safety subject, the committee members suggested to add a introductory concepts on ADAS, the same topic included in the 5th unit.
- ii). In the subject of Alternative Energy Sources for Automobiles the committee members suggested to rename Alternative power train as Electric Vehicles in unit-v. Modification incorporated as per the suggestions.

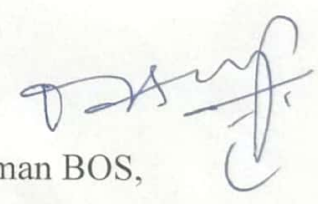
The Chairman – BOS Mechanical Engineering thanked all members especially members who joined and participated externally in designing and enrichment of the curriculum. The chairman also thanked all members for giving valuable suggestions to bring more improvements for the benefit of the students in concurrent environment.

The following BOS members were Present

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All other mechanical departmental faculty also attended the meeting.


Chairman BOS,

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GIET (A), RJY.

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF BOARD OF STUDIES MEETING

The departmental Board of Studies meeting was held on **13/05/2022** through online with HoD as the chair.

Agenda

- Finalization of III & IV Year, I & II Semester Course Structure of GRBT-20
- Finalization of III & IV Year, I & II semester Syllabus of GRBT-20
- Finalization of GRBT-20, Courses offered for Honors programme
- Finalization of Text books and Reference books
- Any other item

Dr. M Sreenivasa Rao, BoS Chairman and HoD welcomed and introduced all the members of meeting for their gracious presence in the meeting towards improvement of course structure and syllabus.

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6	Dr. M.V. Sekhar Babu Professor of ME & Dean P&M, GIET (A)	Member
7	Dr. T. Jayananda Kumar Professor of ME & Dean AA, GIET (A)	Member
8	Dr. D Santha Rao Professor, GIET (A)	Member

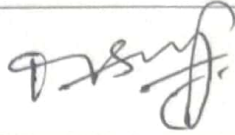
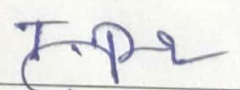
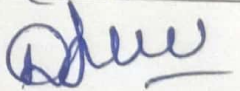
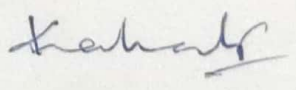
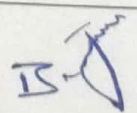
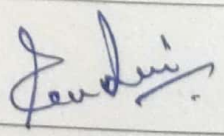
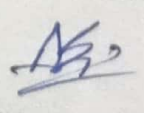
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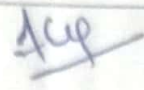
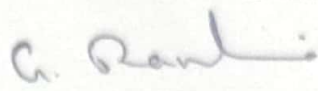
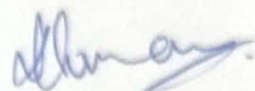
The Members discussed the points in the agenda one by one and resolved the following:

1. The proposed course structure of GRBT-20 III& IV year to be ratified was discussed thoroughly and accepted.
2. The syllabus of GRBT-20III& IV Year I & II semester Syllabus has been verified,discussed thoroughly and accepted with the following minor changes.
 - i) The committee members suggested to change the subject title from Advance machining process into Advanced manufacturing processes, in IV Year I and also suggested to change Unit 1 as Unit 5. We incorporated the above as per the suggestions of the expert members.
 - ii) The committee members suggested some minor changes in the syllabus of Design for Manufacturing, suggestions are incorporated and ratified the same.
 - iii) The committee members suggested to add some specific applications in the Nano Technology syllabus, added the same.
 - iv) The committee members suggested to remove basic concepts of EOQ model from Production Planning and Control subject (Professional Elective 5) of IV-I, changes are made as per suggestions and ratified the same.
3. In GRBT-20 Courses offered for Honors programme to be ratified was discussed thoroughly and accepted with some minor changes.
 - i)The committee members suggested to remove introduction of manufacturing processes concept, in the Product Design subject in Pool 3 (Honors), changes are made as per suggestions and ratified the same.

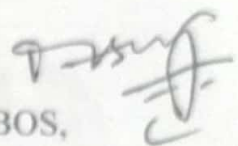
The Chairman – BOS Mechanical Engineering thanked all members especially members who joined and participated externally in designing and enrichment of the curriculum. The chairman also thanked all members for giving valuable suggestions to bring more improvements for the benefit of the students in concurrent environment.

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All other mechanical departmental faculty also attended the meeting.


Chairman BOS,

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