



GRBT-20

B. Tech. in Mining Engineering

COURSE STRUCTURE & SYLLABUS

DEPARTMENT OF MINING ENGINEERING



GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (A)

Approved by AICTE NAAC 'A+' Grade, Recognized by UCG, U/Sec. 2(f) & 12(B), permanently affiliated to JNTUK
GIET Campus, Chaitanya Knowledge city, NH-16, Rajahmundry, East Godavari, A.P. Ph: +91-883-2484828-31
www.giet.ac.in

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

DEPARTMENT OF MINING ENGINEERING

BOS MEETING

The 9th Board of Studies meeting scheduled to conduct online on **09/10/2021** at 10.00 AM. Following is the agenda of the meeting.

AGENDA

- Discussion and ratification of GRBT-20 proposed Course Structure, Honor & Minor courses for II, III & IV B. Tech. Mining.
- Discussion and ratification of proposed GRBT-20 II Year Syllabus.
- Finalization of Text books and References.
- Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses.
- Finalization of List of Examiners from reputed organizations.
- Any other relevant points.

MEMBERS OF THE BOARD OF STUDIES

1	Mr. Asarapalli Sandeep Kumar, HOD, Dept. of Mining, GIET (A), Rajahmundry.	Chairman, BOS
2	Dr. B. S. Sastry, Professor, Dept. of Mining, IIT Kharagpur.	University Nominee
3	Dr. S. Jayanthu, Professor, Dept. of Mining, NIT Rourkela.	Subject Expert
4	Mr. S. Venkata Chary, Deputy General Manager, SCCL, Telangana.	Industrial Expert
5	Dr. M V S Babu, Dean (M & P), GIET (A), Rajahmundry	Special Invitee Member

6	Dr. Charan Kumar Ala, Associate Professor, Dept. of Mining, GIET (A), Rajahmundry.	Internal Member
7	Mr. Kumar Sanjay, Assistant Professor, Dept. of Mining, GIET (A), Rajahmundry.	Internal Member
8	Ms. P. Manasa, Assistant Professor, Dept. of Mining, GIET (A), Rajahmundry.	Internal Member
9	Mr. G D N Raju, Assistant Professor, Dept. of Mining, GIET (A), Rajahmundry.	Internal Member

DEPARTMENT OF MINING ENGINEERING

MINUTES OF THE BOS MEETING

The 9th Board of Studies meeting conducted online on **09/10/2021** at 10.00 AM. The following are the minutes of the meeting

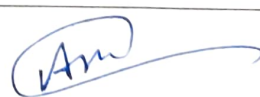
- I. The course structure for 4 years B. Tech program in Mining Engineering (GRBT-20) was presented for discussion by BOS chairman. The Presentation includes
 - i. The introduction of Honors and Minor courses and their eligibility criteria.
Proposal for introducing Honor courses in Mining Engineering was discussed thoroughly and recommended to drop.
 - ii. General Minor tracks (Courses) were discussed and accepted.
 - iii. Mandatory courses (MCs) suggested by AICTE were discussed and accepted.
 - iv. Proposal for opting 'Probability & Statistics' course by dropping 'Mathematics –III' in III Semester was put for discussion and accepted based on the applicability to mining.
 - v. Discussed on merging 'Drilling & Blasting' and 'Development of Mineral Deposits' courses and was accepted.
 - vi. Introduction of Second 'Geology Laboratory' namely Engineering Geology Laboratory with 'Mining Geology' as prerequisite was discussed and accepted.
 - vii. Discussed on replacing 'Fluid Mechanics & Hydraulic machinery' theory and practical courses with 'Mineral Processing' theory and practical courses and their relocation from III Semester to IV Semester in Engineering Science category based on their application & importance for mining engineers and was accepted.
 - viii. Relocation and adoption of 'Mine Systems Engineering' in to HSMC category was discussed and accepted.
 - ix. Discussion on relocation of various courses among semesters is done by taking their prerequisites into consideration and was accepted.
 - x. 'Mine Hazards & Rescue Laboratory' course name was recommended to name as 'Mine Rescue Laboratory'.
 - xi. Proposal of Introducing skill-oriented courses and their evaluation process was discussed and accepted.

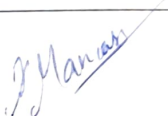
xii. List of skill-oriented courses was presented and accepted.

2. The proposed GRBT-20 syllabus for II year I & II Semesters presented and discussed thoroughly and changes accepted.
3. Minimum of two text books and two reference books were given with title, author and publisher for each subject in the syllabus copy. The expert members verified the above and found suitable for the respective courses.
4. Model papers of theory and lab courses for internal and external examinations in GRBT-20 were presented and Ratified.
5. The list of subject experts from various reputed institutions for paper setting and list of examiners for paper evaluation was presented. BOS members verified the lists and approved.
6. BOS members authorized the BOS chairman to make changes in the syllabus or course structure if necessary. The BOS chairman will keep other members of BOS informed as and when such changes or modifications will be done.

The Chairman, BOS thanked all the members especially the external members who participated in designing and in improving the curriculum. The Chairman also expressed his gratitude towards the 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	Signature
1	Mr. Asarapalli Sandeep Kumar, HOD, Dept. of Mining, GIET (A), Rajahmundry.	
2	Dr. B. S. Sastry, Professor, Dept. of Mining, IIT Kharagpur.	
3	Dr. S. Jayanthu, Professor, Dept. of Mining, NIT Rourkela.	
4	Mr. S. Venkata Chary, Deputy General Manager, SCCL, Telangana.	
5	Dr. M V S Babu, Dean (M & P), GIET (A), Rajahmundry	

6	Dr. Charan Kumar Ala, Associate Professor, Dept. of Mining, GIET (A), Rajahmundry.	
7	Mr. Kumar Sanjay, Assistant Professor, Dept. of Mining, GIET (A), Rajahmundry.	
8	Ms. P. Manasa, Assistant Professor, Dept. of Mining, GIET (A), Rajahmundry.	
9	Mr. G D N Raju, Assistant Professor, Dept. of Mining, GIET (A), Rajahmundry.	



Chairman-BOS

Department of Mining engineering,

GIET (A), Rajahmundry