



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Mining Engineering

Dt-01/06/2017

Minutes of the I meeting of BOS scheduled on 29-05-2017

Agenda 1.1: Welcome address by Chairperson

Mr. Satyajee Parida, Chairman of BoS, invited all the distinguished members of BoS to the I BoS meeting.

Agenda 1.2: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

Members of BoS ratified the Vision and Mission of the department, PEOs, POs and PSOs of the Programs under the Department.

Agenda 1.3: Discussion on proposed AR17 Program Structures of B.Tech.(Min.E), and ratification of the same.

- The BoS members approved the AR17 B.Tech (**Min.E**) course structure after making the following changes in the proposed syllabi:
 1. Suggested to interchange the subjects Engineering Drawing and Engineering Mechanics which are in I year I Semester and I Year II Semester respectively.
 2. Suggested to combine two subjects namely Thermal Engineering and Fluid Mechanics and Hydraulic Machineries that are in II year I Semester to make a new subject named Power Engineering for Mining Machineries.
 3. Suggested to introduce a new course i.e. Probability and statistics in II year I Semester.
 4. Suggested to add Thermal Engineering with F.M.H.M Lab. and the Lab. to be renamed as Power Engineering Lab.
 5. Suggested to rename the subject Rock Mechanics & Ground control to Fundamentals of Rock Mechanic
 6. Suggested to replace Rock Slope Engineering which is in III year I Semester with Geo Mechanics-I.
 7. Suggested to Change two subjects In Elective-I that are

- a) Deep Sea Mining to be replaced by Mining & Construction Management.
 - b) Industrial management to be renamed as Industrial Management & Labour Relations.
8. Suggested to make two changes in Elective subjects of III year II Semester
 - a) Tunnelling Engineering to be replaced by Geo Mechanics-II.
 - b) Electrical Equipment in Mines to be replaced by Advanced Surveying.
 9. Suggested to rename Mineral Engineering and Fuel Technology as Mineral Processing Technology along with Mineral Engineering Lab as Mineral Processing Technology Lab.
 10. Suggested to replace mine construction with Advance Surface Technology which is an elective in IV Year II Semester.
- The BoS members have discussed and approved the new courses introduced in B. Tech. (Min.E), programmes. The Percentage of new courses introduced in the academic year 2017-2018 for B.Tech (Min.E) is 16.67%. The list of new courses is enclosed as Annexure-I.
 - BOS members discussed and ratified the percentage revision in the courses. The percentage of courses revised in the academic year 2017-2018 for B.Tech (Min. E) is 38.46%. The list of courses revised is enclosed as Annexure-II.

Agenda 1.4: Ratification of the proposed model question papers for sessional and external examinations of AR17 B.Tech. (Min.E), programme.

BoS members have approved the pattern of the model papers for the internal and external examinations.

Agenda 1.5: Finalization of names of reputed institution for setting question paper and valuation of answer scripts.

BoS members accepted the list consisting of the names of reputed autonomous institution for setting question paper and valuation of answer scripts.

Agenda 1.6: Analysis of Results

The BoS Chairperson presented the odd and even semesters pass percentage for the A.Y.2016-2017. The BoS members noted the same and appreciated the faculty.

Agenda 1.7: Analysis of student feedback and action taken report

BoS Chairperson expressed that the student feedback & action taken report process initiated at the end of each semester. In academic year 2016-2017 the

average student feedback of the faculty for even and odd semester was taken and BoS members were noted the same.

Agenda 1.8: Analysis of Stakeholder's Feedback on Curriculum

The stakeholder's feedback on curriculum was discussed and applicable considerations were incorporated. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure-III.

Agenda 1.9: Any other item/s

- Suggested to reduce Employability skills credits from 4 to 2.
- Suggested to increase credits for Main project.
- Suggested to increase the courses which improves the skills of the students.

Agenda 1.10: Scheduling of next BoS meeting

- The next BoS meeting is tentatively scheduled in the month of November 2017.

Agenda 1.11: Vote of Thanks

- Mr Satyajee Parida, BoS Chairperson presented the Vote of thanks.

BoS Chairperson



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Annexure-I

List of New Courses in the Academic Year 2017-2018

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Min.E)	VII	RT41262	Mine Economics
2	B. Tech (Min.E)	VII	RT41263	Computer Applications in Mining
3	B. Tech (Min.E)	VII	RT41264	Rock Mechanics & Ground Control
4	B. Tech (Min.E)	VII	RT41266	Mine Legislation & General Safety
5	B. Tech (Min.E)	VII	RT41268	Environmental Impact Assessment
6	B. Tech (Min.E)	VII	RT4126L	Industrial Management
7	B. Tech (Min.E)	VII	RT4126M	Computer Applications in Mining Lab
8	B. Tech (Min.E)	VII	RT4126N	Rock Mechanics & Ground Control Lab
9	B. Tech (Min.E)	VII	RT42031	Short Survey Camp (One Week)
10	B. Tech (Min.E)	VIII	RT42262B	Production Planning and Control
11	B. Tech (Min.E)	VIII	RT42263C	Mine Construction
12	B. Tech (Min.E)	VIII	RT42264C	Planning of Surface Mining Projects
13	B. Tech (Min.E)	VIII	RT42265	Mine Health and Safety Engineering

BoS Chairperson



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Annexure-II

List of Courses Revised in the Academic Year 2017-2018

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Min.E)	I	171HS1T01	English-I
2	B. Tech (Min.E)	I	171BS1T01	Mathematics-I
3	B. Tech (Min.E)	I	171BS1T03	Engineering Chemistry
4	B. Tech (Min.E)	I	171HS1T02	Environmental Studies
5	B. Tech (Min.E)	II	171HS2T03	English-II
6	B. Tech (Min.E)	II	171BS2T06	Mathematics-III
7	B. Tech (Min.E)	II	171HS2L02	English - Communication Skills Lab – II

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Annexure III

Action Taken Report on Stakeholders Feedback in the Academic Year 2017-2018

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	1.8	Student should be thorough in the core subject of mining as lot of company give opportunity in the mines for the purpose of production and design of the mines area.	The subject which makes the student good in the basic knowledge of mines which helps them in the production and design of mine area has already incorporated in the syllabus they are : <ul style="list-style-type: none">✓ Surface Mining✓ Underground Coal Mining Technology✓ Under Ground Metal Mining Technology✓ Rock Mechanics & Ground Control
2		Students should be aware of latest software used in mining that helps in mining industry.	The subject which are related to mining and are application of software in it has been included in the curriculum, like Computer Applications in Mining
3		Students should be proficient in managerial role and different financial aspect of the mines. So that they will be able to evaluate the feasibility of a mine	The subject that will make student a good manager as well as make them understand the financial aspect of mines are: Managerial Economics & Financial Analysis

4	1.8	Department should include more Planning of mines related subjects.	<p>The subject which are related to different types of planning are :</p> <ul style="list-style-type: none"> ✓ Planning of Surface Mining Projects ✓ Planning of Under Ground Coal Mining Project ✓ Planning of Under Ground Metal Mining Project
5	1.8	Department should include the Mine environment related subject so that student should be aware of the mine Environment	<p>The subject related to mine environment has been included in the syllabus they are:</p> <ol style="list-style-type: none"> 1. Mine Environment Engineering – I 2. Mine Environmental Engineering – II 3. Environmental Impact Assessment
6		Student should be Visit different mining industry so that they will be aware of real mining processes.	<p>The mining field visit has made mandate for the student so that they can experience mine in real time.</p> <p>Mine Field visit</p>
7		Include Programming related subject in the course so that student students will be aware of programming	<p>Programming related subject are included in the syllabus they are:-</p> <ol style="list-style-type: none"> 1. Computer Programming 2. Computer Programming Lab
8		Student should be aware of different mining hazards that happening while working in the mining field	<p>The subject which makes students aware of different hazards happening in the mining field are:</p> <ol style="list-style-type: none"> 1. Mine Health and Safety Engineering

9		Students should be aware of different industrial and managerial skills required in the mining field.	To aware students of managerial skills in the mining field. The following course has been included: ✓ Industrial Management
10	1.7	Lab facility needs to improve and more lab equipment should be added to the lab	The department is in its early stage but in the next batch already few equipment's has been ordered and it will be installed soon.
11	1.7	Students should be allowed for more vocational training and more mines visits.	About vocational training students are allowed in the summer and winter vacation for minimum 15 days training in different mines for 3 rd and 4 th year students. For mine visit department HOD has already spoken to the mines manager so that in the upcoming year more mine visit will be made possible.
12	1.7	Students should be allowed for survey camps as it is happening in other universities which benefit the students as they will experience real surveying field practice.	To make students aware of the surveying practice it is included in the curriculum as follows: Short Survey Camp

BoS Chairperson