



# ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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## Department of Mining Engineering

Date: 20-10-2021

### Minutes of VII BOS meeting conducted on 06-10-2021 and 07-10-2021

The VII meeting of the Board of Studies of Mining Engineering Department was held on 06-10-2021 and 07-10-2021 at 10.00 AM through Microsoft Team. Dr. Abhishek Kumar Tripathi Chairperson presided over the meeting.

#### **Agenda 7.1: Welcome address by Chairperson.**

Dr. Abhishek Kumar Tripathi, Chairman of BoS, invited all the distinguished members of BoS to the VII BOS meeting.

#### **Agenda 7.2: 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.**

The BoS members have ratified 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 Min.E Department.

#### **Agenda 7.3: Discussion on proposed AR19 B.Tech. (Min.E) VI, VII and VIII semesters syllabus and finalization of the same.**

The BoS members approved the AR19 B.Tech. (Min.E) VI, VII and VIII semesters syllabus after making the following changes in the proposed syllabus.

- The members incorporated mine illuminations topic in the course Mine Hazard and Rescue and made few rectifications in the courses of VI semesters.
- The members modified the syllabus of deep-sea mining course and incorporated few important points to the course.
- Space mining Technology is the new course that is inducted and designed by the members.
- In the course Green Mining Sustainable mining methods were incorporated.
- Suggested to add Case studies for the courses Mine Hazards and Rescue, Strata Mechanics, and Planning of Mine Closure and Reclamation.

- Few rectifications have been incorporated by the members in the following courses:
  - i. Mineral processing
  - ii. Mine Hazard and Rescue
  - iii. Enviromental Management in Mines
  - iv. Planning of underground surface mining projects
  - v. Planning of underground surface metal projects
  - vi. Mine Health and Safety Engineering
  - vii. Rock fragmentation engineering
  - viii. Safety practices in mines
  - ix. Mines legislation and general safety
  - x. Mine closure and reclamation

**Agenda 7.4: Discussion on proposed AR20 B.Tech. (Min.E) Program structures and finalization of the same.**

The BoS members have discussed and approved the course structure of AR20 B.Tech. (Min.E) program. These are the few changes proposed in the structure

- Course name Geo-Statistics was changed to Geo-Statistics through SURPAC.
- Course name Data Analytics using Python was changed to Data Analytics for Mining using Python.
- The course Mine Planning and Design Lab was changed to Software Applications in Blasting and Mine Planning and got introduced as a Skill oriented Course.

**Agenda 7.5: Discussion on proposed AR20 B.Tech. (Min.E) Program – III & IV semesters syllabus and ratification of the same.**

The BoS members have discussed and approved the syllabus of AR20 B.Tech. (Min.E) program III & IV semesters. These are the few changes proposed in the syllabus

- SURPAC was introduced in the course Geo-statistics through SURPAC.
- In the course data analytics for mining using python Mining Datasets was added.
- In development of mineral deposits, material handling and transportation was included.

**Agenda 7.6: Discussion on proposed AR20 Honors and Minor Degree courses and ratification of the same.**

- The BoS members ratified the list of courses offered to obtain Honors and Minor degree in AR20.

**Agenda 7.7: Discussion on proposed AR20 Honors and Minor Degree courses syllabus and ratification of the same.**

- The BoS members ratified the syllabus of Honors and Minor degree courses syllabus in AR20.

**Agenda 7.8: Discussion on the value-added courses offered for students and ratification of the same.**

- The BoS members approved the list of value-added courses offered to students.

**Agenda 7.9: Analysis of Results.**

- The BoS chairperson presented the even and odd semester pass percentage for the A.Y. 2020-2021. The BOS members appreciated the faculty for achieving a very good pass percentage in the VIII Semester.

**Agenda 7.10: Analysis of Students Feedback & Action Taken Report**

- BoS chairperson has expressed that the student feedback and action taken report process is done at the end of each semester. The BoS members were pleased to know the average feedback for the faculty in even and odd semesters.

**Agenda 7.11: Any other item/s with the approval of the chairperson**

- BOS members suggested to divide the total period of internship for students into 2 parts so that they can undergo internships in opencast and underground mines.

**Agenda 7.12: Scheduling of the next BOS meeting.**

- The next BOS meeting is tentatively scheduled in the month of April 2022.

**Agenda 7.13: Vote of Thanks**

- Dr. Abhishek Kumar Tripathi, BOS Chairperson thanked the members for the successful completion of BOS VII.

**Chairperson BOS  
Department of Min.E.**