



ADITYA ENGINEERING COLLEGE

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

Aditya Nagar, ADB Road, Surampalem-533 437, Near Kakinada, E.G.Dt., Ph: 99498 76662, 99897 76661

01-06-2017

DEPARTMENT OF AGRICULTURAL ENGINEERING

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

The following points are discussed and recommended by the BOS members of Agricultural Engineering Department.

Agenda 1.1: Welcome address by chairperson BOS

Er. Y. V. Krishna Reddy, Chairperson of BOS invited all the distinguished members of BOS to the first 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 and ratification of the same

The BOS members approved the AR 17 B.Tech (Ag.E) course structure and ratified the same.

The BOS members approved the AR17 B.Tech (Ag.E) course structure after making the following changes in the proposed syllabus:

1. Suggested to add MATLAB programming in C programming subject, as MATLAB is already offered in Mathematics it is not required again in C programming subject. With a clear discussion, no change was made.
2. Suggested to interchange the subject Principles of Soil Science & Agronomy for I-II to II-I and this subject was interchanged by Theory of Machines in I-II.
3. Suggested to include Probability and Statistics subject in course structure, since it is a new subject to be added, no decision was taken and kept it for next level meeting.
4. Suggested to change the course title and laboratory title of Surveying and Surveying Lab as Surveying and Leveling and Surveying and Leveling Lab because Leveling is also the part of syllabus.
5. Suggested to add Entrepreneurship Development Course in the structure and yet to be finalized after having discussion in Academic Council.

6. Suggested to change the course title of Electrical Systems as Electrical & Electronics Engineering. Suggestions were given to remove some part of Electrical Systems and add some portion about Electronics Engineering.
7. Suggested to interchange the subject and lab of Fluid Mechanics and Open Channel Hydraulics from II-I to II-II.
8. Suggested to interchange Thermodynamics and Refrigeration Systems, Engineering Properties of Biological Materials and Food Quality from III-I to II-II. Since these are basic courses, suggestions were made to interchange. Theory of Structures and Farm Power and Tractor Systems were interchange in place of the above subjects. In order to match up with the laboratory subjects, the changes were made.
9. Suggested to interchange the subject Soil and Water Conservation Engineering from for III-I to III-II and it is interchanged by Irrigation and Drainage Engineering.
10. Suggested to interchange the subject Dairy & Food Engineering from III-II to IV-I and it is interchanged by Post Harvest Engineering for Horticultural Produce in III-II.
11. Suggested to add some topics on numerical methods in Computational Fluid Dynamics course.
12. Suggestions were made to shift the Elective course Food Packaging Technology from III-I to IV-I. It is interchanged by Agro-Industries and Bi-Product Utilization, also discussed the elective courses.
13. The BOS members noted the courses which are focusing on development of skill set of students.

Agenda 1.4: Discussion on proposed AR17 B. Tech program of I & II semesters syllabus and ratification of the same

BOS members approved B. Tech first year course syllabus of Theory of Machines.

Agenda 1.5: Ratification of the proposed model question papers for sessional and external examinations of AR17 B. Tech programme

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

Agenda 1.6: Finalization of Experts from reputed institutions for setting question paper and valuation of answer scripts

BOS members accepted the list consisting of the names of reputed autonomous institutions/ Universities for setting question papers and valuation of answer scripts.

Agenda 1.7: Analysis of Results

The BOS Chairperson presented the odd semester pass percentage for the A.Y.2016-2017. The BOS members noted the same and advised to adopt the practical sessions for the faculty to achieve better percentage.

Agenda 1.8: Analysis of Students Feedback & Action Taken Report

Student feedback and action report is presented by BOS Chairperson to the BOS members and BOS members approved the same.

Agenda 1.9: Analysis of Stakeholder's Feedback on Curriculum

The BoS chairperson presented the analysis report of Stakeholder's feedback on curriculum. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility.

Agenda 1.10: Any other item/s

Suggested to arrange a field or industrial visits for necessary courses from V semester onwards.

The BOS members suggested to keep the new courses introduced, the list of new courses attached as Annexure-I.

The revised courses are listed in Annexure II

The Stake holders Feedback Action Taken Report is enclosed as Annexure-III.

Agenda 1.11: Scheduling of the next BOS meeting

After discussions with BOS members, the next BOS meeting will be planned in the month of November 2017.

Agenda 1.12: Vote of Thanks

Er. Y. V. Krishna Reddy, BOS chairperson presented the Vote of thanks.


BOS Chairperson
Head of the Department
Department of Agricultural Engineering
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Department of Agricultural Engineering

ANNEXURE-I

LIST OF NEW COURSES IN THE ACADEMIC YEAR 2017-2018

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Ag.E)	VII	RT41351	Micro irrigation engineering
2	B. Tech (Ag.E)	VII	RT41352	Farm machinery and equipments II
3	B. Tech (Ag.E)	VII	RT41353	Post- harvest engineering for horticulture produce
4	B. Tech (Ag.E)	VII	RT41354	Mechanical measurements and instrumentation
5	B. Tech (Ag.E)	VII	RT41355	Seed processing and storage engineering
6	B. Tech (Ag.E)	VII	RT41356	Managerial economics & financial Analysis
7	B. Tech (Ag.E)	VII	RT41357	Food Processing Plant Design and Layout
8	B. Tech (Ag.E)	VII	RT41358	Watershed management
9	B. Tech (Ag.E)	VII	RT41359	Food packaging technology
10	B. Tech (Ag.E)	VII	RT4135L	Field operation and maintenance of tractors and farm machinery lab
11	B. Tech (Ag.E)	VII	RT4135M	Dairy and food engineering lab
12	B. Tech (Ag.E)	VII	RT41357	Food processing plant design and layout
13	B. Tech (Ag.E)	VIII	RT42351	Design of agricultural machinery
14	B. Tech (Ag.E)	VIII	RT42352	Agro industries and bi-product utilization
15	B. Tech (Ag.E)	VIII	RT42353A	GIS and remote sensing
16	B. Tech (Ag.E)	VIII	RT42353B	Human engineering and safety
17	B. Tech (Ag.E)	VIII	RT42354C	Principles of entrepreneurship
18	B. Tech (Ag.E)	VIII	RT42354D	Production Technology of Agricultural Machinery
19	B. Tech (Ag.E)	VIII	RT42354E	Minor Irrigation and Command area development
20	B. Tech (Ag.E)	VIII	RT42354F	Hydraulic Devices and Control
21	B. Tech (Ag.E)	VIII	RT42355	Project work


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ANNEXURE-II

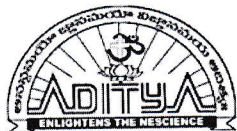
LIST OF COURSES REVISED IN THE ACADEMIC YEAR 2017-2018

S.No	Program	Semester	Course Code	Course Name
1	B. Tech (Ag.E)	I	191HS1T01	English- I
2	B. Tech (Ag.E)	I	191BS1T01	Mathematics – I
3	B. Tech (Ag.E)	I	191BS1T02	Environmental Studies
4	B. Tech (Ag.E)	I	191BS1L01	Engineering Chemistry
5	B. Tech (Ag.E)	I	191MC1A01	Engineering Chemistry Lab
6	B. Tech (Ag.E)	II	191BS2T05	Computer Programming Lab
7	B. Tech (Ag.E)	II	191BS2T06	English II
8	B. Tech (Ag.E)	II	191ES2T02	Mathematics - III
9	B. Tech (Ag.E)	II	191BS2L04	English Communication Skills LabII
10	B. Tech (Ag.E)	V	171AG5T11	Theory of Machines


BOS Chairperson

Head of the Department

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ANNEXURE-III

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	1.9	Suggested to provide skill advancement courses to improve technical skills.	As per suggestions, Value added courses will be included in the course curriculum.
2		Suggested to include SCS-CN method for computing peak run-off in surface water hydrology	As per suggestions, modifications will be included in surface water hydrology.
3		Suggested to arrange more industrial visits	As per suggestions, necessary action will be taken in coming semesters.
4		Suggested to include some small-scale project works to improve technical skills.	As per suggestions, Engineering Exploration Project will be included in course curriculum.
5		It would helpful for the students if they have more choices in electives.	As per suggestions, More Open and Professional electives will be included to facilitate this suggestion.
6		Suggested to bring more core companies for placements	As per suggestions, necessary action will be taken.
7		Suggested to include Fellow, P. Food Process Technology, CRC Press in Agricultural Process Engineering Course reference books.	As per suggestions and discussions made, Fellow, P. Food Process Technology, CRC Press will be included in Agricultural Process Engineering Course reference books.
8	1.3	Suggested to change the surveying and surveying lab subjects as surveying and levelling & surveying and levelling lab	As per suggestions and discussions made, modifications will be included in course curriculum.
9		Suggested to shift Soil and Water Conservation Engineering subject from III-I to III-II.	As per suggestions, Soil and Water Conservation Engineering interchanged with Irrigation and Drainage Engineering.
10	1.9	Suggested to reduce the no. of courses to be completed by student in last semester so they can focus more on project and placements.	As per suggestions and discussions made, Syllabus will be restricted to only 2 courses i.e., Professional Elective-VI & Open Elective.

11	1.8	Suggested to arrange more field visits.	As per suggestions, necessary steps will be taken in coming semesters.
12		Students are suggested to change the pattern of the question paper.	Taking students feed back into consideration, essential modifications will be made in the question paper pattern.


BOS Chairperson
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