

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET
(An Autonomous Institution)
DEPARTMENT OF HUMANITIES AND SCIENCES

Thirteenth Meeting of Board of Studies (H&S)

Time and Date of Conduct: 11.30 am onwards, 16th May 2022

Venue: Online Meeting (Microsoft Teams)

Members Present (Online):

- | | | |
|--------------------------------|---|------------------|
| 1. Dr. B. Bala Nagendra Prasad | - | Chairman |
| 2. Dr. M. Uma Maheswar | - | Member |
| 3. Dr. M. Praveena | - | Member |
| 4. Dr. R. Rama Raghavulu | - | Member |
| 5. Dr. A. Viswadevarayalu | - | Member |
| 6. Prof. S. P. Dhanvel | - | Member (Outside) |
| 7. Prof. Beeraiah Baire | - | Member (Outside) |
| 8. Prof. K. C. Siva Kumar | - | Member (Outside) |

Members Absent:

- | | | |
|--------------------------------|---|--------------------------|
| 1. Prof. K. S. Ramachandra Rao | - | Member (Outside) |
| 2. Prof. R. Swarna Latha | - | University Nominee |
| 3. Mr. S. Vinay | - | Member (Industry Expert) |

RESOLUTIONS

Item No: 13-BOS-HS1

The Board of Studies resolved to approve the minutes of the 12th Board of Studies meeting held on 26th August 2021

Item No: 13-BOS-HS2

It is resolved to review syllabi for Basic Science, Humanities, Mandatory courses and Open Elective Courses offered at I, II, III and IV B. Tech level in R20 Regulations and I Year MCA level in R20 Regulations

Item No: 13-BOS-HS3

The syllabi for the following Mathematics courses offered at B. Tech and MCA level are reviewed. The feedback from the members is given hereunder.

Name of the Course	Semester	Code	Offered to
Algebra and Calculus	I-I Semester	20AC11T	Common to All
Differential Equations and Vector Calculus	I-II Semester	20AC21T	Common to All
Partial Differential Equations and Numerical Methods	II-I Semester	20AC31T	CE, ME
Transform Techniques & Complex Variables	II-I Semester	20AC32T	EEE, ECE
Discrete Mathematics	II-II Semester	20AC33T	CSE, AIDS & AIML
Probability and Statistics	II-II Semester	20AC41T	CE, ME, CSE, AIDS, AIML
Numerical Methods and Random Variables	II-II Semester	20AC42T	ECE, EEE
Linear Algebra and Numerical Analysis (OE)	III-I Semester / IV-I Semester	20AC5BT/7BT	CE, ME, ECE, EEE / CSE, AIDS, AIML
Probability and Statistics	I-I Semester	20DC11T	I MCA

- The title of 'Algebra and Calculus' may be changed to 'Multivariable Calculus and Linear Algebra' in the next regulations as it is more suitable to the course content.

Item No: 13-BOS-HS4

The syllabi for the following Humanities courses offered at B. Tech. & MCA are reviewed. The course content was found to be satisfactory, and no modifications were suggested.

Name of the Course	Semester	Code	Offered to
Communicative English	I-I Semester / I-II Semester	20AC15T/25T	CE, ME, CSE, AIDS / ECE, EEE, AIML
Communicative English Lab	I-I Semester / I-II Semester	20AC15L/25L	CE, ME, CSE, AIDS / ECE, EEE, AIML
Professional Communication	III-I / III-II Semester	20AC51L/61L	EEE, ECE, ME / CSE, CE, AIDS, AIML
Literature and Life	III-I / III-II Semester / IV-I Semester	20AC5AT/ 7AT	CE, ME, ECE, EEE /CSE, AIDS, AIML
Constitution of India	III-I / III-II Semester	20AC52T/62T	EEE, ECE, ME / CSE, CE, AIDS, AIML
Essence of Indian Traditional Knowledge	III-I / III-II Semester	20AC53T/63T	CSE, CE, AIDS, AIML / EEE, ECE, ME
Universal Human Values II	IV-I Semester	20AC71T	Common to All (Engg)
Technical Communication	I-I Semester	20DC12T	MCA
ELCS Lab	I-I Semester	20DC12L	MCA

Item No: 13-BOS-HS5

The syllabi of Physics courses were reviewed by the expert members via email and the course content was found to be satisfactory. However, the following suggestions were recorded after discussion with internal BoS Members.

Name of the Course	Semester	Code	Offered to
Applied Physics	I-I/I-II Semester	20AC12T	ECE&EEE/CSE, AI&DS
Applied Physics Lab	I-I/I-II Semester	20AC12L	ECE&EEE/CSE, AI&DS
Engineering Physics	I-II Semester	20AC24T	CE & ME
Engineering Physics Lab	I-II Semester	20AC24L	CE & ME

- In Unit III of Applied Physics, 'Divergence and curl of electromagnetic fields' is to be changed to 'divergence and curl of vector fields'. In Unit-5, 'Significance of nanoscale' can be changed to 'Basic principles of nanomaterials'.
- In Unit I of Engineering Physics, 'Center of mass and gravitation law' is to be replaced with 'Conservation of angular momentum'. In Unit IV, 'Introduction to optical fiber' can be changed to 'Introduction-construction of optical fiber'. 'Critical angle of proration' can be removed.
- Unit V is to be reviewed and revised to maintain proper order in the concepts.

Item No: 13-BOS-HS6

The syllabi of Chemistry courses were reviewed and minor suggestions were made as given below.

Name of the Course	Semester	Code	Offered to
Engineering Chemistry	I-I Semester	20AC14T	CE & ME
Engineering Chemistry Lab	I-I Semester	20AC14L	CE & ME
Chemistry	I-I/I-II Semester	20AC13T	CSE, AI&DS /ECE&EEE
Chemistry Lab	I-I/I-II Semester	20AC13L	CSE, AI&DS /ECE&EEE
Life Sciences	II-I/II-II Semester	20AC34T	CSE, CE, AIDS & AIML / EEE, ECE, ME

- Addition of Column Chromatography topic in Chapter VI in Chemistry (20AC13T)

- An experiment on the synthesis of an organic compound and an experiment on the column chromatography separation method into the existing TLC method may be added in Chemistry (20AC13L). Determination of chromium (VI) in potassium dichromate can be removed as determination/estimation experiments are exhaustive.

Item No: 13-BOS-HS7

It is resolved to take into consideration the comments, suggestions, feedback given by the expert members when the syllabi for Science and Humanities courses is prepared for the next regulations.

It is unanimously resolved that the Chairman, Board of Studies, is authorized for any modifications, if necessary.

Link for the recorded meeting

13th BoS Meeting of Dept of H&S, AITS Rajampet

https://aitsrjpt.sharepoint.com/:v:/s/DeptofHSBoSMeeting/EZ8yBi_1sYBAmqIJ3cqwjVEB28bXud_libBGGOqTI51iSQ?e=AoSBvx



(Dr. B. Bala Nagendra Prasad)
Chairman-BoS, H&S, AITS