

## Academic Year 2021-22

Date: 16-05-2022

**Meeting : Board of Studies –Civil Engineering**

**Date and Time:** 16<sup>th</sup> May 2022 at 11:00 AM.

**Venue :** AITS, RAJAMPET.

The 14<sup>th</sup> Board of Studies was held by Virtual mode using Microsoft teams in the Department of Civil Engineering on 16<sup>th</sup> May 2022 at 11:00 AM. AITS, RAJAMPET.

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### Members Attended in 14<sup>th</sup> BOS Meeting

1. Chair Person: Dr. T. Naresh Kumar, Associate Professor & Head, Dept. of Civil Engineering, AITS, Rajampet
2. Outside Expert: Dr A. Ramachandra Murthy, Senior Principal Scientist, CSIR- SERC, Chennai, India
3. Outside Expert: Sri. Madhava Rao, Superintendent Engineering, Irrigation Department, Kadapa.
4. Outside Expert: Prof. Neelima, Department of Civil Engineering, IIT, Indore.
5. Industry Expert: Sri. S, Babu, Sr. Vice President (Tech.), NCC Limited, (formerly Nagarjuna Construction Company Ltd.), NCC House, Madhapur, Hyderabad – 500 081
6. Alumni: Mr. V. Vishnu Vardhan, Research Scholar, Dept. of Civil Engineering, IIT Madras.

### Internal Members:

1. Member: Dr. S.M.V. Narayana, Principal of AITS, Rajampet. (Professor in Dept. of Civil Engineering).
2. Member: Dr. D. Sreenivasulu, Associate Professor, Department of Civil Engineering AITS, Rajampet.
3. Member: Mr S. Venkata Vara Prasad, Assistant Professor, Department of Civil Engineering AITS, Rajampet.

**Members Absent:** Nil

### Resolutions

**Item no. 1: To review the Structure of 160 credits scheme (R20) with reference to core courses, Professional Electives (PECs), open electives (OECs) and skill based / skills oriented / soft skills courses.**

As per the revised Engineering curriculum of APSCHE, State Govt. of Andhra Pradesh, the 160 credits scheme (R20) of all the courses has been revised.

**Item no.2: To consider the revision in the course and course scheme in Honors Program**

1. Dr. S. Neelima, Professor of CE, IIT Indore, suggested to mention specifically name of courses offered in B.Tech Minor Degree in each semester wise, rather than giving list of courses offered to the students.
2. Dr A. Ramachandra Murthy, Senior Principal Scientist, CSIR-SERC, in Mechanics of Materials, suggested that interchange of UNIT-2 and UNIT-3 like Analysis of Stress and Strain and cylinders concepts, to maintain the syllabus in a systematic manner.

**Item no.3: To consider the revision in the course and course scheme in minor Program**

1. **Dr A. Ramachandra Murthy**, Senior Principal Scientist, CSIR-SERC, suggested arranging order wise of Special Concrete in UNIT-5 of Advanced Concrete Technology of Minor Degree.
2. **Sri. Madhava Rao**, Superintendent Engineering, Irrigation Department, Kadapa, identified few typographical errors in the subject in B.Tech Minor Degree.

**Item no.4: To consider and approve the panel of examiners for external examination for the session 2022-2023.**

All the experts approved the panel of examiners for external examination for the academic year 2022-23.

**Item No. 5: To consider and approve the CO-PO mapping of all courses in R20 regulations.**

All the experts approve the CO-PO mapping of all courses in R20 regulations.

Finally, all BOS committee members after through checking the list of subjects and their syllabus, all are finalised, accepted and approved the revised R20 by incorporating their suggestion and minor modifications in the syllabi of B.Tech Honors and Minor Degree in Civil Engineering.

The above suggestions/recommendations have been forwarded to academic council for necessary suggestions and kind approval.

The chairman of BOS has delivered vote of thanks.

  
CHAIRMAN-BOS

Head of the Department  
Civil Engineering  
Annamacharya Institute  
of Technology and Sciences  
New Boyanapalli, Rajampet - 516 126

**p ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES::RAJAMPET**

**(AN AUTONOMOUS INSTITUTION)**

Thallapaka Panchayath, New Boyanapalli, Rajampet, Kadapa Dist, A.P. 516126.

(Approved by A.I.C.T.E, New Delhi & Affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu)

**Department of Electrical & Electronics Engineering**

**Minutes of Meeting of the Board of Studies of EEE Department held on 16.05.2022**

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**Members Present:**

|                        |          |
|------------------------|----------|
| 1. Dr. M.Padma Lalitha | Chairman |
| 2. Dr.K.Siva Kumar     | Member   |
| 3. Dr.K.Srinivas       | "        |
| 4. Mr.P.Amarnath       | "        |
| 5. Dr.P.B.Chennaiah    | "        |
| 6. Dr.S.Suresh         | "        |
| 7. Mr.C.Ganesh         | "        |

**Member Absent:**

|                   |        |
|-------------------|--------|
| 1. Dr.G.Narayanan | Member |
| 2. Dr.M.Sydulu    | "      |

**Resolutions:**

**Item No: 14-BOS-1:**

**Course structure for Honors and Minors for B.Tech R20 Regulations.**

- Discussed and finalized detailed course structure for Honors and Minors for B.Tech R20 Regulation and enclosed in **Annexure-I**.

**Item No: 14-BOS-2:**

**Detailed syllabi approval for Honors and Minors for B.Tech R20 Regulations.**

- Detailed syllabi for Honors and Minors offered by the EEE department was approved for B.Tech R20 Regulation as enclosed in **Annexure-II**.

**Item No: 14-BOS-3:**

After long discussion, the following suggestions are made.

Suggestions given by Dr. K. Siva Kumar sir,

- Advanced Electrical Machines in Semester-IV and Artificial Intelligence and Soft Computing in Semester-V can be interchanged.
- Advanced Power System Protection in Semester-VI and Principles of High Voltage Engineering in Semester-VII can be interchanged.

**Item No: 14-BOS-4:**

Resolved to send the recommendations for the approval of the Academic Council.

Bos members:

1. Dr. P. B. Chennarech - P
2. Dr. S. Suresh - Suresh
3. Mr. C. Ganesh - G

*Lalitha*

**Dr.M.Padma Lalitha**

Chairman

Head of the Department

Electrical & Electronics Engineering

Annamacharya Institute of Technology & Science

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## DEPARTMENT OF MECHANICAL ENGINEERING

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### Minutes of 14<sup>th</sup> BOS Meeting held on 16/05/2022

- The 14<sup>th</sup> Board of Studies was held in the department of mechanical engineering through online 'Microsoft teams' on 16.05.2022 at 11:30 AM.
- Agenda for individual meeting of Board of studies.
  1. To review the B.Tech. Programme R20 first year syllabus/course contents.
  2. To review the structure of 160 credits scheme (R20) with reference to core courses, professional electives (PECs), open electives courses (OECs) and skill bases/skill oriented/soft skills courses.
  3. To consider the revision in the courses and course scheme of Minor Programme.
  4. To consider the revision in the courses and course scheme of Honors Programme.
  5. To consider and approve the panel of examiners for external examination for the session 2022-23.
  6. Any other item with the permission of the chair.
- **Members Attended:**
  - **Chair Person:** Dr. A. Hemantha Kumar, Professor & Head, Dept. of Mechanical Engineering, AITS, Rajampet.
  - **Academic Experts:** Dr. G. Jaya Chandra Reddy, Professor & Head, Mechanical Engineering Dept., Y.S.R Engineering College of Yogi Vemana University, Proddatur.
  - **Academic Experts:** Dr. N. Venkaiah, Assoc. Professor of Mechanical Engineering, Dean of Students Affairs, Indian Institute of Technology Tirupati, Tirupati.
  - **University Nominee:** Dr. M. Ravi Sankar, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology Tirupati, Tirupati.
  - **Industry Expert:** Mr. P. Balasankar, Automotive Engineer, Chennai.
  - **Internal Members:**
    - i. Dr. P. V. Sanjeev Kumar, Associate Professor, Dept. of Mechanical Engineering, AITS, Rajampet.
    - ii. Dr. B. Venkatesh, Associate Professor, Dept. of Mechanical Engineering, AITS, Rajampet.
    - iii. Mr. G. Suresh Babu, Assistant Professor, Dept. of Mechanical Engineering, AITS, Rajampet.

### **As per Agenda the following discussions happened:**

1. R20\_ME\_first year course Structure and syllabus displayed and explained.
2. Review on 160 credits allotted all over the course and allotment of credits to Professional Core Course (PCC) – 51 credits, Professional Elective Courses (PEC) – 15 credits, Open Elective Courses – 12 credits and Skill Oriented Courses (SC) – 10 credits.
3. HOD - chairman proposed an amendment for syllabus change in 'Semester IV (Second year)' – "Theory of Machines" (PCC - 20A341T) subject and displayed for discussion with two different proposals because this syllabus was prepared in combining 'Kinematic of

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## DEPARTMENT OF MECHANICAL ENGINEERING

Machinery' and 'Dynamics of Machinery' subjects became very vast and required suggestions for removing few unimportant topics for the benefit of students.

4. R20\_ME Regulations offers B.Tech. Minor Degree from ME branch to other branch students and in this regard displayed the subjects list and syllabus which are going to offer by the ME dept are displayed and discussed for suggestions.
  - a. Suggestions received from external members to keep basic subjects of ME branch such that other branch student get overlook on ME.
  - b. Suggestion by external members that other branches minor subjects offered should be discussed among all branches HODs and should be finalized in benefit of student for gaining knowledge.
5. R20\_ME Regulations offers B.Tech. Honors Degree for ME branch students, displayed 4 different pools with different mechanical streams and proposed to suggest any new subjects or advanced subjects can be offered to ME students.
  - a. Suggestions received from external members that selection of subject from each pool has to be done for each semester not all the subjects from single pool or stream.
  - b. Suggested to make sure that pre-requisite criterion should be satisfied before a student selects an honor subject.

### Minutes of Meeting / Action Taken:

1. Approved proposed amendment for syllabus change in 'Semester IV (Second year)' – "Theory of Machines" (PCC - 20A341T) subject and taken action to incorporate the new syllabus in curriculum.
2. Approved proposed four minor subjects and recommended to add subjects 'Basic Thermodynamics & Basic Mechanical Engineering'. Action taken by adding the two new suggested subjects and syllabus in to list of 6 subjects for minor degree in ME.
3. Information is passed to the principal about discussing and sharing of minor subjects among all the branches and finalizing the list, for the benefit of student knowledge as suggested by external BOS members.
4. Approved proposed subjects for honors degree with four pools and one subject from each pool has to be selected in each semester by student. Action taken by changing a few pre-requisites of the honor subjects and the same is incorporated in the curriculum with syllabus.



HOD

Encl:

1. Attendance of BOS Meeting
2. Google drive links of meeting videos
  - <https://drive.google.com/file/d/1VAKAc6FRELnlknNr9zSTIAgg8lonB7jM/view?usp=sharing>
3. Approved list of Minor and Honors Subjects of ME Dept.
4. Approved new syllabus of 'Theory of Machines'.

**Meeting:** Board of Studies – Electronics and Communication Engineering

**Date and Time:** 16<sup>th</sup> May 2022 at 10:15 AM

**Venue:** AITS, RAJAMPET.

Minutes of 15<sup>th</sup> Board of Studies- Electronics and Communication Engineering meeting held on 16<sup>th</sup> May 2022 (Virtual Mode) at AITS, Rajampet.

**Members Present:**

1. Prof. CH. Nagaraju, HOD-ECE & Chairman, BOS
2. Dr. K. Riyazuddin, Associate Professor-ECE & Member
3. Dr. J.Chinna Babu, Associate Professor-ECE & Member
4. Mr. C. Venkatesh, Assistant Professor-ECE & Member
5. Dr. S. R. Mahadeva Prasanna, Professor, IIT Dharwad
6. Dr. S. Rajendra Prasad, HOD & Professor, VNRVJIET, Hyderabad & Outside Subject Expert
7. Dr. M. Ramasubba Reddy, Professor, IIT Madras, Chennai & University Nominee
8. Mr. CNJV Prasad, SOC Design Engineer, Hyderabad & Meritorious Alumni member

**Members Absent**

1. Mr. N. Sri Kumar, Senior DGM, L&T Info Tech, Bangalore & Industry Expert

**RESOLUTIONS**

**Item No. 1: To review the B.Tech. Programme R20 first year syllabus / course contents.**

Dr. Ch. Nagaraju, Chairman-BOS initiated the meeting and presented the draft copy. And requested the members to give suggestions regarding the first year detailed Syllabi.

The I B.Tech. Syllabus of R20 curriculum has been reviewed by all the experts.

**Item No. 2: To review the structure of the 160 credits scheme (R20) with reference to core courses, Professional electives courses (PECs), open electives courses (OECs) and skill based/skill oriented / soft skills courses.**

As per the revised Engineering curriculum of APSCHE, State Govt. of Andhra Pradesh, the 160 credits scheme (R20) of all the courses has been revised.

**Item No. 3: To consider the revision in the courses and course scheme of the Minor Programme**

Dr. M. Ramasubba Reddy, Professor, IIT Madras, suggested that; the four tracks of ECE domain in Minor Programme to be combined in to two tracks, each track consisting of eight subjects with basic concepts. The other experts also suggested the same.

**Item No. 4: To consider the revision in the courses and course scheme of the Honors Programme.**

1. All the experts suggested that; the four Pools of ECE domain in Honors Programme to be combined in to two pools, each pool consisting of eight subjects with advanced concepts.
2. Dr. M. Ramasubba Reddy, Professor, IIT Madras, suggested to change the course title 'Embedded System Concepts' as 'Design of Embedded Systems'.
3. Dr. S. R. Mahadeva Prasanna, Professor, IIT Dharwad and Mr. CNJV Prasad, SOC Design Engineer, Hyderabad, suggested to change the course title 'Testing and Testability' as 'Design for Testability'.

**Item No. 5: To consider and approve the panel of examiners for external examination for the academic year 2022-23.**

All the experts approved the panel of examiners for external examination for the academic year 2022-23.

**Item No. 6: To consider and approve the CO-PO mapping of all courses in R20 regulations.**

All the experts approve the CO-PO mapping of all courses in R20 regulations. The above suggestions/recommendations have been forwarded to academic council for necessary suggestions and kind approval.

The Chairman of BOS has delivered vote of thanks.



CHAIRMAN-BOS  
Head of the Department  
Electronics & Communication Engineering  
Annamacharya Institute of Technology & Sciences  
New Boyanapalli, Rajampet-516 126.



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**Meeting: Board of Studies - Computer Science and Engineering**

**Date and Time: 16-05-2022**

**Venue: Online (Microsoft Teams)**

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Minutes of 14<sup>th</sup> Board of Studies- Computer Science and Engineering meeting held on 16<sup>th</sup> May 2022 in Online (Microsoft Teams).

**Members Present:**

- |                              |   |          |
|------------------------------|---|----------|
| 1. Dr. K Prasanna            | - | Chairman |
| 2. Dr K Uday Kumar Reddy     | - | Member   |
| 3. Dr M M Venkata Chalapathi | - | Member   |
| 4. Dr N Penchalaiah          | - | Member   |
| 5. Dr. D Vasumathi           | - | Member   |
| 6. Dr. S Jyothi              | - | Member   |
| 7. Dr. S Sumalatha           | - | Member   |
| 8. Dr. N Sreenath            | - | Member   |

**Members Absent:**

- |                      |   |        |
|----------------------|---|--------|
| 1. Dr. J Kiran Kumar | - | Member |
|----------------------|---|--------|


The following are the changes suggested by the BoS Expert Members for R20 Regulations:

**Item No: 05-CSE-1:** It is resolved to approve the Course structure for Minors Program and detailed syllabi of B. Tech. (CSE) as per the R20 curriculum.

**Item No: 05-CSE-2:** It is resolved to approve the Course structure for Honors Program and detailed syllabi of B. Tech. (CSE) as per the R20 curriculum.

**Item No: 05-CSE-3:** Resolved to approve Data Sciences to Data Science of IV B. Tech. 1 Semester CSE in R20 Regulations.

**Item No: 05-CSE-4:** It is resolved to approve panel of Examiners for the academic year 2022-2023.

  
Dr. K Prasanna  
Chairman-BoS-CSE,  
AITS, Rajampet.  
Head of the Department  
Computer Science & Engineering  
Annamacharya Institute of Technology & Sciences  
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Rajampet-518 121, Kadapa Dist.

# ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES::

## RAJAMPET

( An Autonomous Institution)

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**Meeting: Board of Studies- Artificial Intelligence and Data Science**

**Date and Time: 16-05-2022**

**Venue: Online (Microsoft Teams)**

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Minutes of 14<sup>th</sup> Board of Studies- Artificial Intelligence and Data Science meeting held on 16<sup>th</sup> May 2022 in Online (Microsoft Teams).

### **Members Present:**

1. Dr. P Phanindra Kumar Reddy - Chairman
2. Dr M Subba Rao - Member
3. Mr. A Ramesh Babu - Member
4. Dr. E Poovammal - Member
5. Mr. S Ramanjaneyulu - Member
6. Mr. N Arun Kumar Reddy - Member

### **Members Absent:**

1. Dr S Ravi Chandra - Member
2. Dr Vikram Pudi - Member

The following are the changes suggested by the BoS Expert Members for R20 Regulations:

**Item No: 30-BoS-1:** It is resolved to approve the Course structure for Minor Program and detailed syllabi of B.Tech. (AI & DS) as per the revised Engineering curriculum.

**Item No: 30-BoS-2:** It is resolved to approve the Course structure for Honors Program and detailed syllabi of B.Tech. (AI & DS) as per the revised Engineering curriculum.

**Item No: 30-BoS-3:** It is resolved to approve panel of Examiners for the academic year 2022-2023.



Dr. P Phanindra Kumar Reddy  
Chairman-BoS-AI&DS,  
AITS, Rajampet.

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Meeting : Board of Studies-Artificial Intelligence and Machine Learning  
Date and Time : 16<sup>th</sup> May, 2022. 2:30 PM  
Venue : Online.

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Minutes of 2<sup>nd</sup> Board of Studies - Artificial Intelligence and Machine Learning meeting held on 16<sup>th</sup> May, 2022 in online mode.

Members Present

- |                         |   |          |
|-------------------------|---|----------|
| 1. Dr.T.Harikrishna     | - | Chairman |
| 2. Dr.R.B.V.Subramanyam | - | Member   |
| 3. Dr.N.Geethanjali     | - | Member   |
| 4. Dr.C.NagaRaju        | - | Member   |
| 5. B.S.Haranatha Reddy  | - | Member   |
| 6. Dr.J.Krishna         | - | Member   |

RESOLUTIONS

**Item No: 01-BOS-1:**

The syllabi for B.Tech (II<sup>nd</sup>, III<sup>rd</sup> and IV<sup>th</sup> year) Artificial Intelligence and Machine Learning is approved with certain modifications

**Item No: 01-BOS-2:**

The courses and course scheme for Minor programme is approved

**Item No: 01-BOS-3:**

The courses and course scheme for Honors programme is approved

**Item No: 01-BOS-3:**

Resolved the panel of examiners and paper setters for the academic year 2022-23 is proposed by the chairman and approved.

**Item No: 01-BOS-4:**

The members suggested to notify the modifications in syllabi via email to all the members and get the return approval.

  
HOD

Artificial Intelligence and Machine Learning

**Annamacharya Institute of Technology & Sciences (Autonomous)**

**Rajmapeta-516126, Kadapa District (AP)**

**14<sup>th</sup> MEETING OF BOARD OF STUDIES**

**(Through Virtual Mode)**

**Date: May 16, 2022**

**14<sup>th</sup> BOARD OF STUDIES MEETING MINUTES**

MINUTES OF THE 14th BOARD OF STUDIES MEETING OF DEPARTMENT OF BUSINESS ADMINISTRATION, HELD ON MAY 16,2022 AT 2.00 PM THROUGH VIRTUAL MODE.

**Members of BOS:**

Chairman : Dr P Subramanyam

External Members : 1. Prof. S. Venkata Ramanaiah, IIM, Lucknow

2. Prof. K Ravi Shankar, IGNOU, Director, School of Management

3. Dr P Mohan Kumar, Reva University

4. Dr. Mahesh Pavan, Project Manager

5. Mr. C. Jagadeesh, Senior Financial Analyst, VXL Services Ltd,

Internal Members : 1. Mr. K. Subba Reddy (Finance)

2. Mr. SMD. Azash (HRM)

3. Dr. T. Navaneetha (HRM)

**AGENDA**

| <b>Item No.</b> | <b>Subject</b>  |
|-----------------|---|
| <b>14.01</b>    | In Unit-III of Entrepreneurship Development subject, Marketing concepts are to be discussed.  |
| <b>14.02</b>    | In Unit-V of Entrepreneurship Development the concepts Rural entrepreneurship, Agricultural entrepreneurship, Green Entrepreneurship and Social entrepreneurship the topics need to be specified. |
| <b>14.03</b>    | The title Financial Accounting for Managers has to be changed to Accounting for Managers.   |

|       |   |
|-------|---|
| 14.04 | In Operations Management, in Unit-IV, Inventory Techniques are repeated in Financial Management. It is to be altered.   |
| 14.05 | In Management Information systems advanced topics are to be added.  |
| 14.06 | In the subject Cost and Management Accounting – Unit 1 should be placed in Unit-2 and vice versa.   |
| 14.07 | Unit-5 of Cost and Management Accounting should be modified as the Syllabus is vast   |
| 14.08 | The elective subject Wage and Compensation Management has to be replaced with a new subject Industrial relations and Labor Laws                               |
| 14.09 | In Security and Portfolio Analysis 3 <sup>rd</sup> and 5 <sup>th</sup> unit Syllabus is common. Advanced topics can be added in 5 <sup>th</sup> Unit          |
| 14.10 | Employee Performance Management subject can be removed and most advanced subject HR Metrics and Analytics can be added  |
| 14.11 | Refinement of GST and Customs Law syllabus need to be done.   |
| 14.12 | Financial Markets and Services subject need to be replaced with financial analytics subject and few important topics of FMS can be added to corporate finance |
|       | Any other item(s) with the approval of the Chair.   |

**Members of BOS:**

***Chairman of BOS:***

Dr. P.Subramanyam, Associate Professor & HOD, Department of MBA, AITS( Autonomous), Rajampet – 516126.

***Academic Experts:***

1. Prof. S. Venkata Ramanaiah., IIM Lucknow
2. Prof. K Ravi Shankar., IGNOU, Director, School of Management
3. Dr P Mohan Kumar., Reva University

***Industry Expert:***

1. Dr. Mahesh Pavan., Project Manager., IBM

***Alumni Representative:***

1. Mr. C. Jagadeesh., Senior Financial Analyst, VXL Services Ltd, Bangalore

***Internal Members:***

1. Mr. K. Subba Reddy., Assistant Professor, Department of MBA, AITS( Autonomous), Rajampet – 516126.
2. SMD Azash ., Assistant Professor, Department of MBA, AITS( Autonomous), Rajampet – 516126.
3. Dr. T. Navaneetha., Assistant Professor, Department of MBA, AITS( Autonomous), Rajampet – 516126.

The Board of Studies Meeting for department of business administration was held on 16.05.2022 (Monday) at 2.00 am.

The welcome address was delivered by the Chairman of Board of Studies Dr. P.Subramanyam and the members of the Board were introduced. The members were given a comprehensive report on the academic programs of the department and all the academic activities carried out by the department as specified in the academic calendar of the college. The resolutions of BOS meeting held on 16th May 2022 were reviewed. The need for the revision of curriculum and syllabi for some of the papers are emphasizes and was discussed.

The requirement for an introduction of new concepts and changes in syllabi are stressed relating to entrepreneurship development, data science, business analytics and machine learning etc. After a brief assessment, the agenda items listed were taken up for discussion and the following resolutions were passed. The minutes of BOS meeting were approved by the members.





**The members made the following points (Resolutions).**


#### **RESOLUTIONS;**

1. **It is resolved that** removal of marketing related syllabi content in entrepreneurship development subject and replace with the project preparation topic to be include in unit III entrepreneurship development subject.
2. **It is resolved that** adding additional concepts such as rural, agricultural, green and social entrepreneurship concepts in entrepreneurship development subject and suggested all such concept are to be lucid and confine in unit V of entrepreneurship development subject.
3. **It is resolved to recommend that** change the title of Financial Accounting for Managers into Accounting for Managers.
4. **It is resolved to approve that** the syllabi of inventory techniques are remove from financial management and inclusion into operation management due to repetition of above concept in both papers.

5. The members after thorough discussion **resolved that** introduction of new concept such as data science, business analytics, artificial intelligence (AI) and machine learning in Management Information System (MIS) subject.
6. **It is resolved to approve** that reduction in syllabi in Unit 5 of cost and management subject to due vast topic in that unit.
7. **It is resolved to authorize** that introduction of Industrial Relation and Labour Laws subject in place of wage and compensation management subject.
8. **It is resolved to recommend that** introduction of advance topics in security and portfolio management and insertion of new syllabi in Unit V.
9. **It is resolved to authorize that** introduction of HR Metric and analytics subject in place of employee performance management subject.
10. **It is resolved to recommend that** the syllabi of GST and Custom law has to be refine.

Presenting Members:

1. Dr P Subramanyam 
2. Dr T Navaneetha 
3. K. Subba Reddy 
4. SMD Azash 
5. Prof. S. Venkata Ramanaiah
6. Prof. K Ravi Shankar
7. Dr P Mohan Kumar
8. Dr Mahesh Pavan

  
**Chairman of BOS**  
Dr P Subramanyam,  
Head of the Department,  
MBA Department.

# ANNAMACHARYA INSTITUTE OF TECHNOLOGY SCIENCES:: RAJAMPET

(An Autonomous Institution)

Meeting : Board of Studies – MCA

Date and Time : 16<sup>th</sup> May 2022 at 11.15 A.M.

Venue : Online

Minutes of 12<sup>th</sup> Board of Studies- MCA Meeting held on 16<sup>th</sup> May 2022.

## Members Present:

- |                              |                      |
|------------------------------|----------------------|
| 1. Dr. C. Madana Kumar Reddy | Chairman             |
| 2. Mr. V. Sathyendra Kumar   | Member               |
| 3. Mrs. P. Swathi            | Member               |
| 4. Dr. V. Madhu Viswanatham  | Expert Member        |
| 5. Dr. M. Sridhar            | Expert Member        |
| 6. Dr. G. Sreedhar           | University Nominee   |
| 7. Mr. G. Sivasankar         | Expert from Industry |
| 8. Mr. N.Srirama Krishna     | Alumnus              |

Members Absent: Nil

## RESOLUTIONS

Item No: 12-BOS-1:

The BOS committee has resolved to ratify the minutes of the previous meeting held on 26<sup>th</sup> August, 2021.

Item No: 12-BOS-2:

The Committee reviewed R20 PEOs, POs, COs.

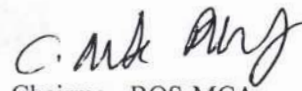
Item No: 12-BOS-3:

The Committee reviewed R20 MCA syllabi and suggested the following suggestions for the next Regulation.

1. In Data structures and algorithms (20DF12T) course, move “threaded binary trees” topic from Unit-III to Unit-IV after the topic “Tree operations and applications”, because there is a continuity here.
2. In Computer Organization(20DF14T) Replace Intel 8086 concepts introduce multicore architecture concepts.
3. In Operating systems (20DF21T) course, Exchange the contents of Unit-III and Unit-IV (i.e. Unit-III contents with Unit-IV and Unit-IV contents with Unit-III).
4. In Python programming (20DF22T) move unit-V to the beginning.
5. Move the course Web Technologies (20DF31T) to II semester.
6. In Dev. Ops (20DF33T) course, In Unit-IV Replace the topic “Release and relation with Devops” with the topics “Jenkins pipeline, Poll SCM (Source Code Management)”, because these topics have more practical exposure. In Unit-V Replace the topic “Docker compose” with the topic “Docker volume”, because now a days Docker volume is widely using.
7. In Block chain Technologies (20DF3IT) include the basic concepts of cryptography.
8. See the provision for combining software Engineering and UML courses.
9. In Dev. Ops Lab (20DF33L) course, under Experiment 3 Replace classic load balancer with Application load balancer, because classic load balancer is going to withdraw by AWS with effect from 15<sup>th</sup> August 2022. Add the following experiments:
  - a. Create Simple DevOps project for pipeline through Jenkins.
  - b. Create Jenkins jobs through Poll SCM.
  - c. Create elastic file system project and attach to Two EC2 instances.

Item No: 12-BOS-4:

The BOS committee made a decision to constitute the panel of examiners and paper setters proposed by the chairman.



Chairman-BOS-MCA

(Dr. C. Madana Kumar Reddy)



**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, 16<sup>th</sup> 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 12<sup>th</sup> Board of Studies meeting held on 26<sup>th</sup> 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/<br>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](https://aitsrjpt.sharepoint.com/:v:/s/DeptofHSBoSMeeting/EZ8yBi_1sYBAmqIJ3cqwjVEB28bXud_libBGGOqTI51iSQ?e=AoSBvx)



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