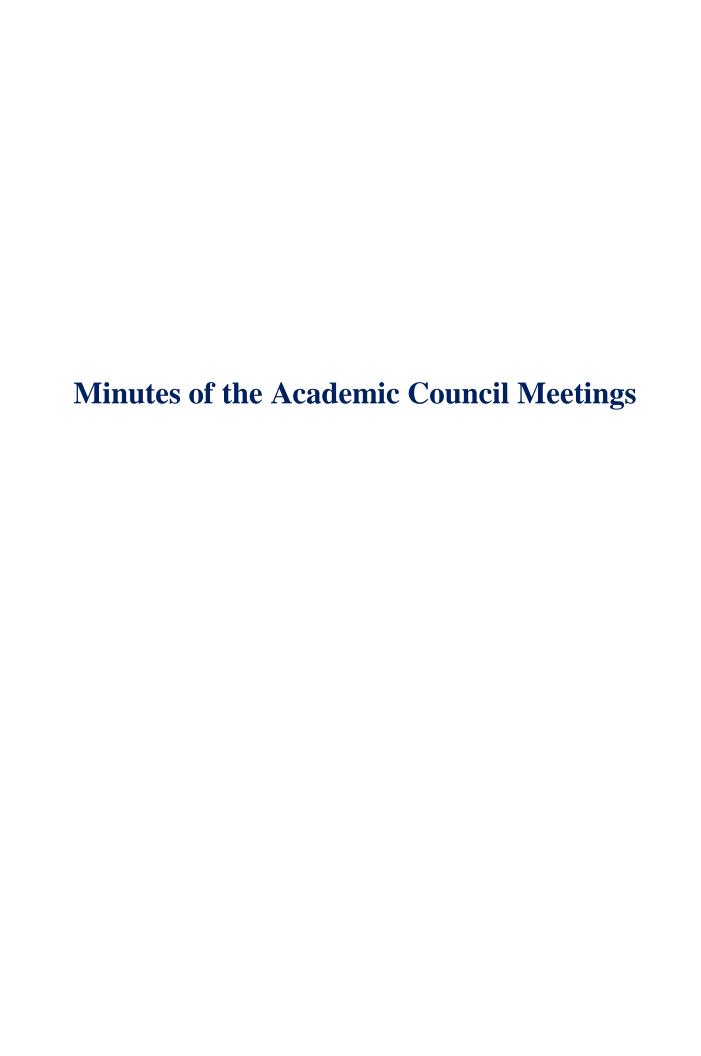
Minutes of the Boards of Study/Academic Council meetings with approval for these corses.

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MINUTES OF THE ACADEMIC COUNCIL MEETING HELD ON 28th DECEMBER, 2019 IN THE COLLEGE CAMPUS AT 10.30 AM (D BLOCK, INCUBATION CENTER)

Members present:

Honorary Chairman Dr. B.L.Deekshatulu Chairman Dr.A.S. Srinivasa Rao Member Dr.D. Yugandhar Member Dr.G.S.N.Murthy Member Dr.D.Vijay Kumar Member Dr.C.J. Rao Member Dr.B.V.Ramana Member Sri S. Ramlal Member Dr.G. Vasanti Member Dr.K. Venugopal Member Prof. V.V.Nageswara Rao Member Dr. D. Vishnu Murthy Member Dr. K.B.Madhu Sahu Sri Rayapu Boyapaty, Member Member Dr. N.C. Siva Prakash, Member Dr.N.K.Srinath, Member Mr. Surampudi Srikanth Member Dr.D.Azad

However the following members could not attend the meeting due to their pre-occupation:

Dr.Prasad Reddy PVGD Member
Sri Sundar KS Member
Dr.L. Sumalatha Member
Dr.R. Srinivasa Rao Member

All the members congratulated the Management for the achievement of NBA to all Branches.

Dr. A.S.Srinivasa Rao, Principal and Chairman of the Academic Council Welcomed all the members at 10.30 A.M. and presented a brief PPT on the action taken on the minutes of the previous meeting on 27th APRIL, 2019 and point wise Agenda at "D" Block, Incubation Center in AITAM Campus.

The following decisions were taken after detailed discussion among the members

- To confirm the Minutes of previous Academic Council Meeting held on Dt. 27-04-2019 and Action Taken Report (ATR).
 - a) Suggested to rename the title of Mini Project as Minor Project.
- ATR: Renamed mini project as minor project as suggested by Academic Council
 - b) The total semester credits should not be fractional hence suggested for correction
- ATR: It will be implemented in AR20 regulations, because we could not change the course structure in middle.
- c) Suggested to show uniform credits to same subject to all branches of engineering.

ATR: Yes implemented

- d) Suggested to give 2 credits to Biology instead of 3 credits.
- ATR: It will be implemented in AR20 regulations, because we could not change the course structure in middle.
 - e) Some of them are not open electives but they are professional electives. Suggested to rethink of open elective subjects like Safety, Water Shed Management, Economics, Psychology, Fine Arts, Philosophy etc. common to all branches.

ATR: Introduced interdisciplinary electives in place of open electives.

- f) Suggested to introduce two interdisciplinary electives and two open electives.
- ATR: It will be implemented in AR20 regulations.
 - g) The members approved the AR19 M.Tech Syllabus & Regulations.
- ATR: The members approved the AR19 MBA Syllabus & Regulations with the following suggestions:
 - h) Suggested to give project credits to 6 instead of 4.

ATR: Yes implemented

- i) Ratification and Approval of B.Tech, MBA and M.Tech results:
- ATR: Controller of Examinations reported the results of B.Tech, MBA and M.Tech to the Academic Council, after detailed discussions the members ratified/approved the above results.
 - j) From the next meeting onwards, at least two HODs brief about the progress of the Department through PPT for 15 minutes.
- ATR: Two HODs presented (EEE & CSE) about their department.

k) Send the faculty for pedagogy training to National Institute of Technical Teachers Training and Research (NITTTR).

ATR: 5 faculty members have already undergone training at NITTTR. Whenever notification appears, we will send the faculty for Training.

2. Discussion and finalization of AR18 – III B. Tech Syllabus.

- a) It is observed that III B.Tech I Semester Professonal Elective I i.e., Integrated Circuit applications for ECE, EEE Branches, different codes are given for same syllabus. Hence it is suggested to give, same code to both the subjects.
- b) For CSE & IT Branches: Students have to do minor project in Start-up. For CSE Branch Change Title as Introduction to Programming instead of competitive codes-II and Advance Programming instead of Competitive Programming II in AR20 Regulations
- c) Simulation & Modeling syllabus of CSE Branch is not suitable to Mech, EEE, ECE, branches because each branch have different simulation Models and applications. Teaching is also difficult

It is suggested to think of Inter Disciplinary Electives once more for all branches and discuss in Joint BOS and finalise.

ATR: It will be implemented in AR20 Regulations

3. Ratification and Approval of B.Tech, MBA and M. Tech Results.

The results of B.Tech, MBA and M.Tech regular and Supplementary Examinations were presented through PPT. After discussion among the members the following results were ratified and approved.

- 1-2 B.Tech Regular April 2019 & Supplementary: July 2019
- 2-2 B.Tech Regular April 2019 & Supplementary: July 2019
- 3-2 B.Tech Regular April 2019 & Supplementary: July 2019
- 4-2 B.Tech Regular April 2019 & Supplementary: June 2019
- 2-4 MBA Regular and Supply April 2019
- 1-2 M.Tech Regular and Supply June 2019
- 1-2 MBA Regular and Supply June 2019

Howe ever, it is observed that many of the II Year Civil students are failed in Mechanics of Solids Paper and results of IT Branch is low i.e., 58.82% Hence Suggested to 1) Analyse and take necessary steps for rectification 2) Maintain Mentors to all the students for good results.

4. Approval of minimum credits for the award of degree for rejoining students after detention.

When a student is detained for lack of Credits / Shortage of attendance, he/she may be re-admitted into the same semester / year in which he/she has been detained. However, the total credits of Academic Regulations under which he/she was first admitted shall continues to be applicable to him/her but he/she must be re-join in current Academic

Regulations and study the subjects of equivalence which will be approved by BOS and Academic Council (Case to Case Basis if necessary)

If no equivalence subject in Current Regulations in which he/she joined, then they have to go for MOOCs Course for Extra Credits.

Minimum credits to be secured for Award of degree in AR16 regulations is 180 & in AR18 is 160.

5. Discussion about B.Tech (Hons) proposed by AICTE.

All Academic Council Members Welcomed the Introduction of B.Tech(Hons) in the College. However the Criteria for the Hons should be as follows:

a) Minimum CGPA required for B.Tech (Hons) is 8.0 No failure in any semester any subject up to II-II semester and continue up to IV-II semester (Not more than 15% Students out of total will get B.Tech (Hons) degree for every Out going Batch).

b) 20 Extra Credits as proposed by AICTE will get through online courses preferably in Advance courses, which are to be Approved by BOS Members and Academic Council.

c) These courses are to be introduced in 2/2, 3/1,3/2, & 4/2 Semesters.

6. Any other point with the permission of the Chair.

- a) After detailed discussion among members it is approved the additional 0.5 credits to Mr. Gudla Rama teja, Bearing R.No. 15A51A0135 who has re-admitted in AR16 regulations, during the Academic Year 2016-17 in 1st B.Tech (Civil) second Semester. He got 179.5 Credits but he is supposed to get 180 credits as per his Admitted regulations hence 0.5 additional credits given for internship (1.0 to 1.5) hence approved.
- b) Suggested to take 100 students and give special Training to them in all aspects. Then they will get more package and focus on Entrepreneurships (Start-ups)
- c) Suggested to start Industry sponsored Laboratory
- d) Suggested to introduce Smart City, Smart Power, Smart Phone, Smart Building, as Inter disciplinary Electives for related branches.

The meeting ended with Vote of Thanks by the Chair at 1.30 PM followed by Lunch.

ACADEMIC COUNCIL

PRINCIPAL Aditya Institute of Technology & Management

TEKKALI - 532 201



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ATTENDANCE OF THE ACADEMID COUNCILMEETING HELD ON 27TH APRI, 2019

SL. NO	NAME OF THE MEMBER	DESIGNATION	SIGNATURE
1	Dr. B.L.Deekshatulu	Honorary Chairman	process
2	Dr.A.S. Srinivasa Rao	Chairman	8 (4
3	Dr.G.Sateesh Kumar	Member	B. I
4	Dr.G.S.N.Murthy	Member	1
5	Dr.D.Vijay Kumar	Member	Oxu-
6	Dr.C.J. Rao	Member	CQ .
7	Dr.B.V.Ramana	Member	MATOLIA .
8	Sri S. Ramlal	Member	an.
9	Dr.G.Vasanti	Member	C. vasalt-
10	Dr.B.Balaram	Member	N Lele
11	Prof.V.V.Nageswara Rao	Member	Vunca.
12	Dr. D.Vishnu Murthy	Member	Chan
13.	Dr. K.B.Madhu Sahu	Member	1 KBre 4 CT
14	Sri Rayapu Boyapaty, General Manager, HR, IBM Corportion, Hyd'bad	Member	900
15	Dr. N.C.Siva Prakash, Prof., IISC, Bangalore	Member	20-
16	Dr.N.K.Srinath, Prof., RVC, Bangalore	Member	N. B. Linds
17	Mr. Surampudi Srikanth, HR, TCS, Hyd.	Member	July
18	Dr.Prasad Reddy PVGD, Prof., AU, Vizag	Member	(2)
19	Sri Sundar KS, Assoc. VP& Head, Infosys Ltd., Bangalore	Member	
20	Dr.A.M.Prasad, DAP,JNTUK	Member	
21	Dr.R. Srinivasa Rao, DE, JNTUK	Member	
22	Dr.D.Azad	Member Secretary	THE

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (An Autonomous Institution)

K. Kotturu, Tekkali - 532201

MINUTES OF THE ACADEMIC COUNCIL MEETING HELD ON 27th APRIL, 2019 IN THE COLLEGE CAMPUS AT 10.30 AM (D BLOCK, INCUBATION CENTER)

All the members except the following could not attend the meeting due to their preoccupation:

- 1. Sri Sundar KS, Assoc.VP & Head, Infosys Ltd., Bangalore
- 2. Dr. A.M.Prasad, DAP, JNTUK Kakinada
- 3. Dr. R. Srinivasa Rao, DE, JNTUK Kakinada

All the members congratulated the Management for the achievement of A+Grade by NAAC.

The members congratulated Dr. A.S. Srinivasa Rao for assuming his duties as Principal of the College and suggested to put on record the performance made during the tenure of the outgoing Principal Dr. K.B.Madhu Sahu, who has taken charge as Director (R&D).

The following agenda was discussed in the meeting:

- Confirmation of the Minutes of the previous Academic Council Meeting held on 15th July, 2018
- 2. Finalization of AR18 B.Tech 2nd year Syllabus
- 3. Discussion and finalization of AR19 M.Tech Syllabus & Regulations.
- 4. Discussion and finalization of AR19 M.B.A Syllabus & Regulations
- 5. Ratification and approval of B.Tech, MBA and M. Tech results.
- 6. Any other point with the permission of the Chair.

Dr. A.S. Srinivasa Rao, Principal welcomed all the members and presented a brief PPT on the action taken on the minutes of the previous meeting held on 15th July, 2018 and point wise above agenda at Incubation Centre.

The following decisions were taken after detailed discussion on the agenda among the members:

1. <u>Confirm the Minutes of previous Academic Council Meeting held on 15th July, 2018:</u>

As there were no comments received from the members, the minutes stands confirmed.

2. Finalization of AR18 - B. Tech 2nd Year Syllabus.

The members approved the AR18 – B.Tech 2nd Year Syllabus with the following suggestions:

- · Suggested to rename the title of Mini Projects as Minor Project
- The total semester credits should not be fractional hence suggested for correction.
- Suggested to introduce Environmental Science Lab for at least two credits.
- Suggested to introduce tutorial classes to majority subjects.

- Suggested to show uniform credits to same subject to all branches of engineering.
- Suggested to give 2 credits to Biology instead of 3 credits.
- Suggested to rename as Surveying Lab and Advance Surveying Lab instead of surveying Lab-I and Surveying Lab-II.
- Some of them are not open electives but they are professional electives.
 Suggested to rethink of open elective subjects like Safety, Water Shed Management, Economics, Psychology, Fine Arts, Philosophy etc. common to all branches.
- Suggested to introduce two interdisciplinary electives and two open electives.

3. Discussion and finalization of AR19 M.Tech Syllabus & Regulations

The members approved the AR19 M.Tech Syllabus & Regulations with the following suggestions:

• Suggested to rename English for Research writing as Technical Writing.

4. Discussion and finalization of AR19 M.B.A Syllabus & Regulations

The members approved the AR19 M.B.A Syllabus & Regulations with the following suggestions:

- Suggested to give project credits to 6 instead of 4.
- · Suggested to rename non functional areas as non-core areas.

5. Ratification and Approval of B.Tech, MBA and M. Tech results.

Controller of Examinations reported the following results of B.Tech, MBA and M.Tech to the Academic Council:

I-I B.Tech	Regular & Supply Nov. 2018	Supp: Jan. 2019
2-I B.Tech	Regular & Supply Nov. 2018	Supp: Jan. 2019
3-I B.Tech	Regular & Supply Oct. 2018	Supp: Jan. 2019
4-I B.Tech	Regular & Supply Nov. 2018	Supp: Jan. 2019
I-I M.Tech	Regular & Supply Dec. 2018	
I-I MBA	Regular & Supply Dec. 2018	
2-3 MBA	Regular & Supply Nov. 2018	

After detailed discussions, the members ratified/approved the above results.

6. Any other point with the permission of the Chair.

- The members suggested that from the next meeting onwards, at least two HODs brief about the progress of the Department through PPT for 15 minutes.
- Suggested to send the faculty for pedagogy training to National Institute of Technical Teachers Training and Research (NITTTR).

The meeting ended with Vote of Thanks by the Chair at 1.00 PM followed by Lunch.

CHAIRMAN ACADEMIC COUNCIL

BOS Department of IT



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MINUTES OF THE MEETING OF 5th BOARD OF STUDIES (BoS) IN INFORMATION TECHNOLOGY HELD ON 30th June 2018 (Saturday) At 10 A.M IN THE DEPARTMENT OF INFORMATION TECHNOLOGY (IT), ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI(AUTONOMOUS).

Resolutions/Recommendations with regard to course structure and syllabus of AR18 Regulations

- Resolved to change the title of "Calculus and Algebra" as "Linear Algebra & Calculus" and add more concepts on Linear Algebra.
- Recommended to prescribe standard text books for the course "Programming for problem solving".
- Suggested to add Volume1 and Volume2 by Knuth in references for the course "Data structures and Algorithms".
- Resolved to reduce the lecture hours for FOSS.
- Recommended to use Pearl versions 6 and above for FOSS lab.
- Resolved to replace Fundamentals of Material Science with "Engineering Optimization Techniques" in Open Elective -I.
- Resolved to shift DAA from 3-1 to 2-2 and FLAT from 2-2 to 3-1.
- Resolved to Change the title "Artificial Intelligence" to "Artificial Intelligence and Machine learning".
- Resolved to Change "Machine Learning" to "Advanced Machine Learning" in Professional Elective-II.
- Suggested to add Professional Electives like Software Testing Methodology, Cyber Security etc.
- Resolved to Replace "Social Networks" with "Object Oriented Analysis and Design" in Professional Elective-I.
- Resolved to rename "Soft Computing" as "Soft Computing Techniques"
- It is advised to Change Internship as Internship/Certified Industry course.
- Resolved to shift Internet of Things from 4-1 to 3-2 and Internet of Things lab also included in 3-2.
- Resolved to Replace "Advanced Algorithms" with "Advanced Computer Networks" in 3-2.
- Resolved to Replace "UML & DP" with "Software Testing and Project Management" and Software Testing and CASE Tools Lab also included in 4-1.
- Suggested to add Advanced UNIX Programming in 4-1.
- Resolved to Replace "Information Theory and Computation" with "Cyber Forensics" in Professional Elective-V.
- Resolved to Replace "Quantum Computing" with "Mobile Computing" in Professional Elective-VI.

Contd. 2...



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• After thorough discussion with BoS members, feedback from stakeholders, members of Academic Council and based on AICTE model curriculum for B.Tech program, total 121 courses are approved. Out of 121 courses approved, 9 are new courses, 24 are professional elective courses, 40 are open elective courses and 48 are related to improve Employability / Entrepreneurship / Skill development.

Resolutions/Recommendations with regard to IV Year Syllabus of AR16 Regulations.

- It is advised to write the text book1 at the end in the course IP.
- It is suggested, not to mention Data set names in Unit-5 of Data Analytics Course.
- It is advised to add a link of "data science for engineers by IIT Madras" in the course "Data Analytics".
- It is suggested to add some concepts on "Tech Writing" (Refer IIT Guwahati) in the course "Human Computer Interaction (HCI)".
- It is suggested to write course outcomes according to Blooms Taxonomy for Multimedia Application Development course in 4-1.
- It is advised to write the two text books for each course.
- Resolved to replace "Physical Computing" with "Internet of Things" in 4-1.
- Resolved to replace "Software Product Design and Management" with "Cyber Ferensics" in 4-2.
- Resolved to replace "Advanced Operating Systems" with "Parallel Computing" in 4-2.
- Resolved to replace "Human Computer Interaction" with "Machine Learning" in 4-2.

General suggestions given by the Expert Members:

- Distinction should not be awarded to backlog students.
- Out of six professional electives, two may be offered as MOOC courses. The students must obtain certificate through proctored examination.
- Set up "High Performance Computing (HPC)" and IOT Labs.
- COs must be written as per syllabus and not unit-wise.
- COs must start with action verbs.
- Suggested to prescribe standard text books

Dr. B. V. Ramana

HOD, IT & CHARRAGABOS

Board of Studies
Department of I.T.

Aditya Institute of Technology And Management, TEKKALI



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DEPARTMENT OF INFORMATION TECHNOLOGY

MINUTES OF THE 6th BOARD OF STUDIES MEETING HELD ON 29-12-2018 AT 10.30 A.M. IN THE COLLEGE CAMPUS.

Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of 2nd & 3r^d Year B.Tech (AR18) for the Academic Year 2019-20.
- 3. Any other points with the permission of the Chair.

The following decisions were taken after detailed discussions among the members:

- 1. The members reviewed the previous minutes of the meeting and confirmed the same since no further comments were received.
- 2. The members discussed the Syllabus of the 2nd & 3r^d B.Tech. programmes (AR18) to be Implemented in the Academic Year 2019-20 and the same will be finalized in the next BoS meeting scheduled in the month of March/April 2019.

Meeting ended at 1.30 P.M. with vote of thanks by the Chair followed by lunch.

Chairman BoS
CHAIRMAN
Board of Studies
Department of I.T.
Aditya Institute of Technology
And Management, TEKKALI



TEKKALI - 532 201, Srikakulam Dist., A.P. Tel: 08945 245666, 0 94401 95534.

Email: info@adityatekkali.edu.in aditya_tekkali@yahoo.com www.adityatekkali.edu.in





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MINUTES OF THE MEETING OF 7th BOARD OF STUDIES (BoS) IN INFORMATION TECHNOLOGY HELD ON 16th MARCH 2019 AT 10 A.M IN THE DEPARTMENT OF INFORMATION TECHNOLOGY (IT), ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI (AUTONOMOUS).

Resolutions/Recommendations with regard to II Year Syllabus of B. Tech-AR18:

II B. Tech. I Semester

- It is recommended to mention the year of publication of the text books wherever it is missing.
- It is advised to swap the reference text book-1 and prescribed text book-2 in the OOPs course and frame the course outcomes using Bloom's action verbs.
- It is advised to swap the reference text book-1 and prescribed text book-2 in the DLD course.

II B. Tech. II Semester

- It is resolved to include a few experiments on "cross-validation and regression methods" in the course "Statistical Learning Using R Lab".
- It is resolved to include a few concepts related to computer architecture in the course "Computer Organization and Architecture".
- It is resolved to include a few concepts related to I/O Management in the course "Operating Systems".
- It is resolved to include a few concepts related to Project Management in the course "IT Systems Management".
- It is recommended to include a few case studies in DBMS Laboratory.

Dr. B. V. Ramana

HOD, IT & Chairman, BoS

Board of Studies
Department of I.T.

Aditya Institute of Technology And Management, TEKKALI



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MINUTES OF THE MEETING OF 8th BOARD OF STUDIES (BoS) IN INFORMATION TECHNOLOGY HELD ON 16th NOVEMBER 2019 AT 10 A.M IN THE DEPARTMENT OF INFORMATION TECHNOLOGY (IT).

Resolutions with regard to Syllabus of III B.Tech I & II Semester AR18 Regulations

- Resolved to change the titles of "Introduction to PYTHON as "PYTHON Programming" in Interdisciplinary Elective –II.
- Resolved to change Units 4 and 5 by Including Machine Learning concepts in the Artificial Intelligence & Machine Learning course of III Year I Semester.
- Resolved to avoid repetition of Discrete Mathematics concepts in Graph Theory (Professional Elective-I). Add concepts related to Graph Theory.
- Resolved to replace "Fundamentals of Computer Graphics" with "Fundamentals of Image Processing" in Interdisciplinary Elective –III.
- Resolved to change the text books for "Internet of Things" subject and change the lab experiments for "Internet of Things Lab".

Suggestions with regard to Syllabus of III B.Tech I & II Semester AR18 Regulations

- Modify the COs using action verbs in few courses like IoT, AI&ML, etc.
- Introduce few courses as part of Interdisciplinary Elective for competitive coding to accelerate students, based on the Industry need.
- In the Professional Electives, add some courses related to latest trends in the Industry. Example: User Interface Development, Full stack development, Dev Apps, Entrepreneur Mobility Management, Digital Technologies etc.,
- Make sure that concepts like recurrence relations and generating functions are covered in Discrete Mathematics itself.
- Suggested to implement advanced concepts like Machine Learning, Artificial Intelligence etc., as a CASE Study as part of Mini Project I & II.
- Write the Edition and Year of publication for all prescribed books.
- In the Lab courses, every year, add some latest experiments
- In the Core Courses, important concepts may be focused based on feedback from industry experts.

Form student technical association, so that the seniors can train juniors on latest technologies.

HOD, IT & Chairman, BoS

Board of Studies
Department of I.T.

Aditya Institute of Technology And Management, TEKKALI

26/11/2019



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Minutes of the 9th Board of Studies (BoS) Meeting held on 26th November 2020 Resolutions/Recommendations with regard to IV Year Syllabus of B. Tech-AR18 Regulations

I. Include "Block Chain Technology" as a Professional Elective.

Resolutions/Recommendations with regard to Course Structure and First Year Syllabus of **B.Tech - AR20 Regulations**

- II. Substitute "Workshop and Manufacturing Practice" in I Year II Semester with "IT Workshop".
- III. Replace Biology in II Year I semester with Professional Core Course.
- IV. Restrict Number of Interdisciplinary Electives to maximum of two.

Other suggestions given by the Board:

> Allow students to complete professional elective courses through MOOCs like NPTEL if the courses are offered for 12 weeks and 3 credits.

HODSE & Chairmain BoS

Department of I.T. Aditva Institute of Technology And Management, TEKKALI.



TEKKALI - 532 201, Srikakulam Dist., A.P. Tel: 0 94401 95534.

Email: into/@acityatekkali.edu.in aditya tekkak@yahoo.com www.adityatekkali.edu.in





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Minutes of the Meeting of 10th Board of Studies (BoS) held on 9th July 2021

Resolutions/Recommendations with regard to II Year Syllabus and Interdisciplinary / Open

Electives of B.Tech-AR20 Regulations

- II year Course Titles & syllabus of AR20 is approved.
- Resolved to include "Fundamentals of Data Structures" as Interdisciplinary Elective-I in II-II
- Resolved to include "Introduction to DBMS" as Interdisciplinary Elective-II in III-I
- Resolved to include "IoT" as Skill Oriented Course I in II-I offered by APSSDC.
- Resolved to include "AWS Solutions Architect" as Skill Oriented Course II in II-II offered by APSSDC.
- Resolved to include "IT Systems Management" as Open Elective in IV-I
- Resolved to introduce AI&ML and Data Science Courses as Honors / Minor in B.Tech Programme of AR20.

Dr. B. W. Rantana, CHAIRMAN^{tana}, HOD**BHatkOfaStudieB**₀S Department of I.T. Aditya Institute of Technology And Management, TEKKALI

Counseling Code
ADIT

TEKKALI · 532 201, Srikakulam Dist., A.P. Tel: 0 94401 95534.

Email: nfo@adityatekkali.edu.in aditya_tekkali@yahoo.com www.adityatekkali.edu.in



BOS Department of CSE



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K.Kotturu, TEKKALI-532 201, Srikakulam Dist., A.P

Phones:+91 8945-245666,245266

Fax:08945-245266

E-Mail:aditya_tekkali@yahoo.com

Web:www.adityatekkali.edu.in

DEPARTMENT OF CSE

Minutes of the 1st meeting of Board of Studies of CSE Department held at 02-00 p.m. on Saturday, the 20th July,2013 in the College Campus.

Agenda:

- 1. To finalize the academic rules & regulations of Aditya Institute of Technology and Management
- 2. To discuss about the course structure of B.Tech. and M.Tech.
- 3. To discuss about the B.Tech. Syllabus up to II-year II-Semester
- 4. To discuss about the M.Tech. Syllabus up to I-year I- Semester
- 5. Any other points with the permission of the Chair.

Members present:

SI.No	Name of the Member	Designation	Nomination	Signature
1	Prof. D.T.V. Dharmajee Rao	HOD, CSE	Chairman	Dulin
2	Dr. N.B. Venkateswarlu	Sr. Professor	Faculty Member	NO
3	Prof. Ch. Ramesh	Professor	Faculty Member	Fa
4	Sri U.D. Prasan	Assoc. Professor	Faculty Member	TORNOVOW
5	Sri R. Srinivas	Assoc. Professor	Faculty Member	Phing:
6	Sri Y. Ramesh	Assoc. Professor	Faculty Member	La
7	Sri M.V.B. Chandra Sekhar	Assoc. Professor	Faculty Member	MMCVA
8	Sri P.K. Sahu	Assoc. Professor	Faculty Member	
9	Dr. M.M. Naidu	Professor, Dept. of CSE, VIGNAN University, Guntur	Expert member Nominated by University	Mun
10	Dr. D.V.L.N Somayajulu	Professor, Dept. of CSE, NITW	Expert member Nominated by Academic Council	anhe

11	Dr. P.V.G.D. Prasad Reddy	Professor, Dept. of CS&SE, AU, Visakhapatnam.	Expert member Nominated by Academic Council	2-2
12	Dr. K. Sudheer Reddy	Principal (E&R), Infosys Ltd. , Hyd.	Expert member Nominated from Industry Related to Placements.	R. E. Showhad
13	Sri M. Koteswara Rao Komedida@ in.ibm.	IBM, Hyderabad.	Expert member Nominated from Industry Related to Placements.	lot.

Points discussed and resolved:

- It is resolved to refer the ACM / ABET/ IEEE for framing Course Objectives & Course Outcomes.
- It is resolved to change the course title "Problem Solving & Computer Programming" as "Computer Programming".
- It is resolved that Course titles should not include any tool / language name.
 - ex: "OOPs through Java" to be replaced as "OOPs".
- 4. It is resolved that, all laboratory course titles may include language / tool names.
- It is resolved to include "e-learning" material, like NPTEL, as a reference link in the syllabus wherever applicable.
- It is advised to conduct practical experiments using Free Open Source Software under LINUX environment.
- 7. It is suggested to implement non-recursive procedures for problem solving.
- 8. For the benefit of students, it is recommended to introduce Advanced Lab courses in III & IV years.
- It is suggested to have a maximum of 30 hours per week, in order to enable the student to participate in other activities.

10. It is suggested to design the list of experiments based on the concept.

11. It is resolve to have a common syllabus for CSE & IT upto

Il year Il Sem.

12. It is resolved to separate "Digital Logic & Computer System Organization" and include "Digital Logic Design" in II-I and "Computer Organization" in II-II.

13. It is decided to shift "Operating Systems" from II-II to III-I

as "Computer Organization" is included in II-II.

14. It is resolved to change the title of "Advanced Java & Web

Technologies" as "Web Technologies".

15. After thorough discussion with BOS members, feedback from stakeholders and members of Academic Council, total 118(B.Tech:94, M.Tech:24) courses are approved. Out of 118 courses approved, 16(B. Tech)+2(M. Tech) are new courses, 20(B.Tech)+8(M.Tech) are professional elective courses, <u>9</u> are open elective courses and <u>49</u> are related to improve Employability/Entrepreneurship/Skill Development.

CHAIRMAN, BoS

Dept. of CSE Head, Dept. of CSE Aditya Institute of

Technology & Management Tekkall-532 201, (A.P.)

Institute of Technology And Management

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K.Kotturu, TEKKALI-532 201, Srikakulam Dist., A.P

Phones:+91 8945-245666,245266 E-Mail:aditya_tekkali@yahoo.com Fax:08945-245266

Web:www.adityatekkali.edu.in

DEPARTMENT OF CSE

Minutes of the 2nd meeting of Board of Studies of CSE Department held on Saturday & Sunday, i.e., 22nd & 23rd March, 2014 in the College Campus.

Agenda:

- 1. To discuss & Finalize the B.Tech. CSE Syllabus of II Year & III Year.
- 2. Any other points with the permission of the Chair.

Members present:

SI.No	Name of the Member	Designation	Nomination	Signature
1	Prof. G.S.N. Murty	HOD, CSE	Chairman	Mind
2	Dr. N.B. Venkateswarlu	Sr. Professor	Faculty Member	N Brentsteger
3	Prof. D.T.V. Dharmajee Rao	Professor	Faculty Member	Duly
4	Prof. Ch. Ramesh	Professor	Faculty Member	10
5	Sri U.D. Prasan	Assoc. Professor	Faculty Member	Tovara
6	Sri R. Srinivas	Assoc. Professor	Faculty Member	Plana
7	Sri Y. Ramesh	Assoc. Professor	Faculty Member	6
8	Sri M.V.B. Chandra Sekhar	Assoc. Professor	Faculty Member	UD.
9	Sri P.K. Sahu	Assoc. Professor	Faculty Member	PKL
10	Dr. M.M. Naidu	Professor, Dept. of CSE, VIGNAN University, Guntur	Expert member Nominated by University	
11	Dr. D.V.L.N Somayajulu	Professor, Dept. of CSE, NITW	Expert member Nominated by Academic Council	Driv/22.3.11
12	Dr. P.V.G.D. Prasad Reddy	Professor, Dept. of CS&SE, AU, Visakhapatnam.	Expert member Nominated by Academic Council	
13	Dr. K. Sudheer Reddy	Principal (E&R), Infosys Ltd. , Hyd.	Expert member Nominated from Industry Related to Placements.	Kgreens
14	Sri M. Koteswara Rao	IBM, Hyderabad.	Expert member Nominated from Industry Related to Placements.	
15.	Sri M. Kalyan Chakravarthi	Member	Alumni	



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Fax:08945-245266 Web:www.adityatekkali.edu.in

Points Discussed and Resolved During 2nd BoS Meeting held on 22nd and 23rd March 2014 at AITAM, CSE Dept.

- Suggested to include Course Objectives and Outcomes based on "Washington Accord" 12 Graduate attributes.
 - o Mention Objectives & Outcomes for each unit and include at least 10 outcomes for laboratory courses.
 - Outcomes must start with Action words of Bloom's Taxonomy (like understand, Analyze, Apply, Evaluate, Synthesize etc).
- Suggested to prepare Lecture Plan, Question Papers to achieve the Course Outcomes and Evaluate grading based on weightage and map them to the Course Outcomes i.e. CO1, CO2,....
 - o Inform the students about objectives & outcomes before commencement of the course.
- Resolved to specify Textbooks & Reference books names in IEEE/ACM format and to mention unit numbers of syllabus covered against each textbook.
- Resolved to include web-links for each course (like COURSE ERA, etc..) in references. It is mandatory for all laboratory courses.
- Suggested to include 1-credit weight course (to be taught by industry experts) like on Privacy, Big-data Analytics etc. in IV year.
 - Suggested to include courses to improve Employability Skills/Industry readiness before III year.(to be implemented in the next regulations)
 - Advised to prepare a panel of question paper setters and valuators and get it approved by BoS.
- Suggested to involve all faculty members in the BoS meetings, and conduct a twomonth of orientation program for newly joined faculty.
- Suggested the faculty to teach the concepts without support of Programming Language and do not include any implementation details in the course content.
- Advised to split the 4 hours of Advanced Laboratory Course into 3+1*, *-indicating a short term training program.
- Resolved to add Security Types, Administration & Access control in DBMS Syllabus.
- Suggested to include Chapter 1 of "Farouzen" Text Book into Unit I of Computer Networks syllabus.
- Suggested to Change Operating System syllabus according to "Galvin" Text Book.
- Suggested to move OS to II year II Semester and SE to III year. (To be implemented in the Next Regulations)
- Suggested to Group Similar Programs in laboratory courses as a single experiment and include at least 12 experiments in the Syllabus.
- Suggested to Implement CD laboratory course using Unix Platform.
- Suggested to add advanced concepts like Big-data Analytics, No SQL, Cap Theorem, Map reduce, Hadoop tool, Cloud, etc. in "Advanced Databases", as a separate unit.

Suggested to device a conversion Formula from CGPA to Percentage.

Chairman, BoS Head of hie Departr ant Dept. of C.S.E. Aditya Institute of Technology & Management TEKKALI - 532 201



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Web:www.adityatekkali.edu.in

DEPARTMENT OF CSE

Minutes of the 3^{rd} meeting of Board of Studies of CSE Department held on Saturday & Sunday, i.e. 02^{nd} & 03^{rd} January, 2016 in the College Campus.

Agenda:

- 1. To discuss & finalize the B.Tech. IV Year Syllabus of AR13 Regulation.
- 2. To discuss & finalize the academic rules & regulations of AR16.
- 3. To discuss & finalize the Course Structure of B.Tech. and M.Tech. of AR16.
- To discuss & finalize the B.Tech. Syllabus up to II Year II Semester and M.Tech. Syllabus of AR16.

5. Any other points with the permission of the Chair.

Sl.No	Name of the Member	Designation	Nomination	Signature
1	Dr. G.S.N. Murty	HOD, CSE	Chairman	Muga
2	Dr. N.B. Venkateswarlu	Sr. Professor	Faculty Member	N. B. Venkalin
3	Prof. D.T.V. Dharmajee Rao	Professor	Faculty Member	parin
4	Dr. Ch. Ramesh	Professor	Faculty Member	10
5	Sri U.D. Prasan	Assoc. Professor	Faculty Member	Tomaras
6	Sri R. Srinivas	Assoc. Professor	Faculty Member	Thin
7	Sri Y. Ramesh	Assoc. Professor	Faculty Member	1
8	Sri M.V.B. Chandra Sekhar	Assoc. Professor	Faculty Member	men
9	Sri P.K. Sahu	Assoc. Professor	Faculty Member	PHS
10	Sri S. Vishnu Murthy	Assoc. Professor	Faculty Member	(Will
11	Dr. D. Rajya Lakshmi	Professor & Head, Dept. of CSE, JNTUK- VZM Campus.	Expert member Nominated by University	& Rojyal
12	Dr. D.V.L.N. Somayajulu	Professor, Dept. of CSE, NIT – Warangal.	Expert member Nominated by Academic Council	
13	Dr. R. Govinda Rajulu,	Professor, IIIT – Hyderabad,	Expert member Nominated by Academic Council	13/4
14	Mr. Ajay Reddy,	Vice President at Capgemini India Pvt Ltd	Expert member Nominated from Industry Related to Placements	Japas
15	Mr. K Tata Rao	Mobodexter Software India Pvt. Ltd., Bangalore.	PG Alumni	State Row

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Phones:+91 8945-245666,245266 Fax:08945-245266

E-Mail:aditya_tekkali@yahoo.com

Website:www.adityatekkali.edu.in

Minutes of 3rd BoS Meeting of Department of CSE, Scheduled on 2nd and 3rd January 2016

Resolutions with regard to B.Tech IV Year Syllabus of AR13 Regulations

- Resolved to include some case studies on real time operating systems in the course Advanced Operating systems.
- Resolved to include the book on Distributed O.S written by tanenbaum as one of the reference books for Advanced operating systems(AOS)
- Resolved to add some concepts in E-commerce to touch the underlying technology and also some real time case studies to be included.(Example Amazon.com)

Suggestions with regard to B.Tech IV Year Syllabus of AR13 Regulations

- The MOOC(Massive Open Online Course) should consists of specific course titles and evaluation process should be specified.
- The OSS lab experiments must be adjusted according to the available Lab sessions.
- The electives should be offered such that the students get a chance to upgrade their knowledge, domain wise.

Resolutions with regard to Course Structure of B.Tech and M.Tech, AR16

- Resolved to add some problem solving experiments in Computer Programming Lab of B. Tech
- Resolved to include concepts on program development steps in Computer programming(CP) course of B.Tech
- Resolved to remove Web Page Design Lab in I-II B.Tech
- Resolved that in II B.Tech I semester, Computer Organization (CO) must be offered as a mandatory course not as choice based course.
- Resolved to include Principles of Programming Languages (PPL) as a mandatory course in II B. Tech.

- Resolved to offer Operating Systems prior to Software Engineering.
- Resolved to shift, Network Design Router Configuration (NDRC) III-I B.Tech to next semester as Computer Networks(CN) is a prerequisite for NDRC.
- Resolved to remove Microprocessors and Multi Core systems in III-II B.Tech
- Resolved to rename Data Analytics as Data Intelligence and Analytics In IV-I B.Tech.
- Resolved to Include a course called Software product Design and Management(SDM) as one of the elective courses in B.Tech and the BoS Expert member from industry Sri Ajay Reddy, Vice President, Cappemini India Pvt Ltd., agreed to deploy resource persons to train the faculty members in this area.
- Resolved to Introduce Software Quality Management (SQM) as an elective in B.Tech
- After thorough discussion with BOS members, feedback from stakeholders and members of Academic Council, total <u>134(B.Tech:107, M.Tech:27)</u> courses are approved. Out of <u>134</u> courses approved, <u>14(B.Tech)+4(M.Tech)</u> are new courses, <u>12(B.Tech) + 12(M.Tech)</u> are professional elective courses, <u>30</u> are open elective courses and <u>51</u> are related to improve Employability/Entrepreneurship/Skill Development.

Suggestions with regard to Course Structure of B.Tech and M.Tech, AR16

- Split the B.Tech BEEE (Basic Electrical and Electronics Engineering) into two courses namely Basic Electronics Engineering and Basic Electrical Engineering.
- Few changes in B.Tech MFCS are suggested. Accepted by the concerned course coordinator.
- Advanced Data Structures course of B.Tech may be merged with Data Structures
- Implementation language of Data Structures(DS) may be left to the choice of faculty/students
- Few changes in FLAT(Formal Languages and Automata Theory) suggested and Accepted by the concerned course coordinator
- Follow Proper format for writing Prescribed and reference books (ACM)
- In II B.Tech II semester, few changes are suggested in Software Engineering and accepted by Course coordinator.
- In orientation programmes, awareness among students to be created on what is science, engineering and technology
- Prerequisites for few generic course should be specified if necessary
- Course Structure of B.Tech represents 6(Theory) + 3 (Labs) pattern which looks heavy load on student and needs to be adjusted if possible.

Suggested to introduce some advanced courses in M.Tech.

Dr.G.S.N Murty

HOD, CSE & Chairman, BoS

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DEPARTMENT OF CSE

Minutes of the 4th meeting of Board of Studies of CSE Department held on Saturday & Sunday i.e. 28th & 29th January, 2017 in the College Campus.

Agenda:

- 1. To discuss & finalize the B.Tech. III Year Syllabus of AR16 Regulation.
- 2. To discuss & finalize the syllabus of Open Electives offered by CSE to other Departments. (AR-16 Regulation).
 - Open Elective-III (Social Networks)
 - Open Elective -IV (Simulation & Modeling)
- 3. To discuss & finalize the Electives offered by CSE to other Departments. (AR-16 Regulation)
 - COA (ECE Dept. 3-1)
 - Java Programming(Mech. Dept. 3-2)
- 4. Any other points with the permission of the Chair.

Sl.No	Name of the Member	Designation	Nomination	Signature
1	Dr. G.S.N. Murty	HOD, CSE	Chairman	motor
2	Dr. D V L N Somayajulu	Professor in CSE, Chair, Electronics & ICT Academy, NIT Warangal.	Expert member Nominated by Academic Council	Draydon
3	Dr. R. Govinda Rajulu	Professor, IIIT – Hyderabad	Expert member Nominated by Academic Council	3
4	Dr. D. Rajya Lakshmi	Professor in CSE & Vice Principal (Academics), UCEN, JNTUK, Narasaraopet.	Expert member Nominated by University	2
5	Mr. Ajay Reddy	Vice President at Capgemini India	Expert member Nominated from Industry Related to Placements	
6	Prof. PSS Raju	Professor & Head-CSE, MVGR College of Engineering, Vizianagaram.	Special Invitee	PAS
7	Mr. K Tata Rao	TCS, Hyderabad.	PG Alumni	

Contd. 2....



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8	Dr. Srinivas Prasad	Professor & Head, CSE Dept., GMRIT, RAJAM.	Special Invitee	_
9	Prof. D.T.V. Dharmajee Rao	Professor	Faculty Member	Pahri
16	Dr. Ch. Ramesh	Professor	Faculty Member	50
	Dr. G. Nageswara Rao	Professor	Faculty Membes	OPP -
12	Dr. U.D. Prasan	Professor	Faculty Member	Thor
13	Sri R. Srinivas	Assoc. Professor	Faculty Member	Phon
14	Sri Y. Ramesh	Assoc. Professor	Faculty Member	ra
15	Sri M.V.B. Chandra Sekhar	Assoc. Professor	Faculty Member	musin.
16	Sri P.K. Sahu	Assoc. Professor	Faculty Member	PHO
17	Sri S. Vishnu Murthy	Assoc. Professor	Faculty Member	(well &

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::3::

MINUTES OF THE MEETING OF 4th BOARD OF STUDIES (BOS)

Suggestions/Resolutions with regard to III B.Tech I semester syllabus of AR16 Regulations

In case of Self Study Course, it is suggested to give a list of online courses; .The student may register for online course and has to submit report at the end of the semester.

It is suggested to request other departments to offer relevant courses as Open Electives like Optimization Techniques (Mech Dept), GIS (Civil), Operations Research (Mech.), Wireless Sensor Networks (ECE), Linear Algebra (BS&H), MEFA (MBA), Microprocessors(ECE) etc.,

It is advised to introduce event driven programming and cover generics in java programming, Remove the prescribed book by E Balagurusamy and introduce "thinking in java" by Bruce Eckel.

It is advised to make the experiments more generic in various labs.

Suggestions/Resolutions with regard to III B.Tech II semester syllabus of AR16 Regulations

> Resolved to include Artificial Intelligence in the place of Computer Graphics and Computer Graphics can be chosen as Open Elective..

> Resolved to make Software testing as a compulsory subject in place of Cryptography & Cyber Security

> Resolved to Introduce Software testing CASE tools lab in place of Cryptography and Cyber security

> It is advised to move the Cryptography & Cyber Security as a discipline elective in IV Year I semester

> Resolved to Change title "IT infrastructure management" as "IT systems management" in Open Elective-IV.

> It is suggested to add few experiments on AJAX and Web services in WT lab

It is suggested to change the title of Advanced Data bases as Distributed Data bases and remove OODB.

It is resolved to include process diagrams, Data flow models, disaster management etc. in MIS (Open Elective-IV) and E-Commerce unit may be removed.

General Suggestions:

Avoid too many prescribed and reference books. Prescribed books must be 1 or 2 and reference books must be 2.

> Use latest edition books as reference and prescribed books.

Within the syllabus, write the author name/text book from which those topics are covered.

Write web links in references.

> Use Pedagogy research tool developed by IIT Kharagpur for writing Course Outcomes effectively
.This tool can be downloaded freely.

➤ Utilize more people from industry to teach practical stuff like programming to the students.

> Ouestions papers must be set to map COs.

Dr. G S N Murty HOD, CSE & Chairman, BOS

Head, Dept of CSE

Email: info@adityatekkali.edu.in aditya_tekkali@yahoo.com www.adityatekkali.edu.in

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DEPARTMENT OF CSE

Minutes of the 5th meeting of Board of Studies of CSE Department held on Saturday i.e. 30th June, 2018 in the College Campus.

Agenda:

- To discuss & finalize the B.Tech AR-18 Academic Regulations, Course Structure and First Year Syllabus
- 2. To discuss & finalize the B.Tech. IV Year Syllabus of AR-16 Regulations.
- 3. To discuss & finalize the syllabus of Open Electives offered by CSE to other Departments. (AR-16 Regulation).
 - Open Elective -V (Introduction to Cloud Computing))
- 4. To discuss & finalize the Electives offered by CSE to other Departments. (AR-16 Regulations)
 - DBMS (4-1 Mech Dept.) and CN, ACA(4-1 ECE Dept.)
- 5. Any other points with the permission of the Chair.

Sl.No	Name of the Member	Designation	Nomination	Signature
1	Dr. G.S.N. Murty	HOD, CSE	Chairman	Mon
2	Dr. D.V.L.N. Somayajulu	Professor, Dept. of CSE, NIT - Warangal	Expert member Nominated by Academic Council	Dura longu
-3	Prof. M.V. Panduranga Rao	Head-CSE Dept. IIT Hyderabad	Expert member Nominated by Academic Council	W.A. Land Lie
4	Dr. M.H.M. Krishna Prasad	Professor, Dept. of CSE, JNTUK- Kakinada Campus	Expert member Nominated by University	Man
5	Sri Aravind Unnikrishnan	Delivery Head, TCS Hyderabad	Expert member Nominated from industry Related to Placements	Anth
6	Prof. PSSRaju	Professor & Head-CSE, MVGR College of Engineering, Vizianagaram.	Special Invitee	pss
7	Mr. K Tata Rao	TCS, Hyderabad.	PG Alumni	

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::3:: MINUTES OF THE MEETING OF 5th BOARD OF STUDIES (BoS)

Resolutions/Recommendations with regard to course structure and syllabus of AR18 Regulations

- Resolved to change the title of "Calculus and Algebra" as "Linear Algebra & Calculus" and add more concepts on Linear Algebra.
- Recommended to prescribe standard text books for the course "Programming for problem solving".
- Suggested to add Volume1 and Volume2 by Knuth in references for the course "Data structures and Algorithms".
- Resolved to reduce the lecture hours for FOSS.
- Recommended to use Pearl versions 6 and above for FOSS lab.
- Resolved to replace Fundamentals of Material Science with "Engineering Optimization Techniques" in Open Elective -I.
- Resolved to shift DAA from 3-1 to 2-2 and FLAT from 2-2 to 3-1.
- Resolved to Change the title "Artificial Intelligence" to "Artificial Intelligence and Machine learning".
- Resolved to Change "Machine Learning" to "Advanced Machine Learning" in Professional Elective-II.
- Suggested to add Professional Electives like Software Testing Methodology, Cyber Security etc.
- Resolved to Replace "Queuing theory and modeling" with "Simulation and Modeling" in Professional Elective-IV.
- Resolved to rename "Soft Computing" as "Soft Computing Techniques"
- It is advised to Change Internship as Internship/Certified Industry course.
- After thorough discussion with BOS members, feedback from stakeholders, members of Academic Council and based on AICTE Model Curriculum for B.Tech program, total <u>121</u> courses are approved. Out of <u>121</u> courses approved, <u>09</u> are new courses, <u>24</u> are professional elective courses, <u>40</u> are open elective courses and <u>48</u> are related to improve Employability/Entrepreneurship/Skill Development.

Resolutions/Recommendations with regard to IV Year Syllabus of AR16 Regulations.

- It is advised to write the text book1 at the end in the course IP.
- It is suggested, not to mention Data set names in Unit-5 of Data Analytics Course.
- It is advised to add a link of "data science for engineers by IIT Madras" in the course "Data Analytics".
- It is suggested to add some concepts on "Tech Writing" (Refer IIT Guwahati) in the course "Human Computer Interaction (HCI)".

General suggestions given by the Expert Members:

- Distinction should not be awarded to backlog students.
- Out of six professional electives, two may be offered as MOOC courses. The students must obtain certificate through proctored examination.
- Set up "High Performance Computing (HPC)" and IOT Labs.
- COs must be written as per syllabus and not unit-wise.
- · COs must start with action verbs.
- Suggested to prescribe standard text books.

Dr.G.S.N Murty
HOD,CSE & Chairman, BoS

Email: info@adityatekkali.edu.in

aditya_tekkali@yahoo.com www.adityatekkali.edu.in

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MEMBERS OF BOARD OF STUDIES (BoS)

Branch - Computer Science & Engineering (CSE)

(2018-19 to 2020-21)

SI.No	Name of the Member	Designation	Nomination
1.	Dr. G.S.N.Murty	Chairman	HOD
2.	Professors & Assoc.Professors	Members	Faculties
3.	Dr. D.V.L.N. Somayajulu	Member	Expert Member nominated by Academic Council
4.	Prof. M.V.Panduranga Rao	Member	Expert Member nominated by Academic Council
5.	Dr. M.H.M. Krishna Prasad	Member	Expert Member nominated by University
6.	Sri Aravind Unnikrishnan	Member	Expert Member Nominated from Industry
7.	K. Tata Rao	Member	Alumni

5.25/6/18









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DEPARTMENT OF CSE

Minutes of the 6th meeting of Board of Studies of CSE Department held on Saturday i.e. 29th Dec, 2018 in the College Campus.

Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of 2nd & 3rd Year B.Tech (AR18) for the Academic Year 2019-20.
- 3. Any other points with the permission of the Chair.

No	Name of the Member	Designation	Nomination	Signature
1	Dr. G.S.N. Murty	HOD, CSE	Chairman	511
2	Prof. D.T.V. Dharmajee Rao	Professor	Faculty Member	Dilli.
3	Dr. Ch. Ramesh	Professor	Faculty Member	10
4	Dr. U.D. Prasan	Professor	Faculty Member	1990
5	Dr. T P R Vital	Assoc. Professor	Faculty Member	Total.
6	Sri R. Srinivas	Assoc. Professor	Faculty Member	PS
7	Sri Y. Ramesh	Assoc. Professor	Faculty Member	Pos
1	Sri M.V.B. Chandra Sekhar	Assoc. Professor	Faculty Member	w
9	Sri P.K. Sahu	Assoc. Professor	Faculty Member	pres
10	Sri S. Vishnu Murthy	Assoc. Professor	Faculty Member	(N)

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The following decisions were taken after detailed discussions among the members:

- 1. The members reviewed the previous minutes of the meeting and confirmed the same since no further comments were received.
- 2. The members discussed the Syllabus of the 2nd & 3r^d B.Tech. programmes (AR18) to be Implemented in the Academic Year 2019-20 and the same will be finalized in the next BoS meeting scheduled in the month of March/April 2019.

reeting ended at 1.30 P.M. with vote of thanks by the Chair followed by lunch.

Dr.G.S.N Murty

HOD,CSE & Chairman, BoS
Head, Dept. of CSE
Aditya Institute of
Technology & Management

Tekkali-532 201, (A.P.)



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DEPARTMENT OF CSE

Minutes of the 7th meeting of Board of Studies of CSE Department held on Saturday i.e. 16th March, 2019 in the College Campus.

Agenda:

- 1. To discuss & finalize the B.Tech AR-18 Second Year Syllabus
- 2. To discuss & finalize the M.Tech AR-19 Course Structure, Regulations and Syllabus.
- 3. To discuss & finalize the syllabus of Open Electives offered by CSE to other Departments. (AR-18 Regulation).
 - Open Elective -I (Unix Utilities)
- 4. Any other points with the permission of the Chair.

Sl.No	Name of the Member	Designation	Nomination	Signature
1	Dr. G.S.N. Murty	HOD, CSE	Chairman	Vei
2	Dr. D.V.L.N. Somayajulu	DIRECTOR, HITDM, KURNOOL	Expert member Nominated by Academic Council	Drins Jonaga
3	Prof. M.V. Panduranga Rao	Head-CSE Dept. IIT Hyderabad	Expert member Nominated by Academic Council	
4	Dr. M.H.M. Krishna Prasad	Professor, Dept. of CSE & Vice-Principal JNTUK- Kakinada Campus	Expert member Nominated by University	Mund
5	Sri Aravind Unnikrishnan	Delivery Head, TCS Hyderabad	Expert member Nominated from Industry Related to Placements	
6	Prof. PSSRaju	Professor & Head-CSE, MVGR College of Engineering, Vizianagaram.	Special Invitee	400
7	Mr. K Tata Rao	Teradata India Pvt. Ltd., Hyderabad.	PG Alumni	telth

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8	Prof. D.T.V. Dharmajee Rao	Professor	Faculty Member	pullis
9	Dr. Ch. Ramesh	Professor	Faculty Member	(0)
10	Dr. U.D. Prasan	Professor	Faculty Member	4 Aras
11	Dr. T P R Vital	Assoc. Professor	Faculty Member	With.
12	Sri R. Srinivas	Assoc. Professor	Faculty Member	Ham
13	Sri Y. Ramesh	Assoc. Professor	Faculty Member	p &
14	Sri M.V.B. Chandra Sekhar	Assoc. Professor	Faculty Member	Minger
15	Sri P.K. Sahu	Assoc. Professor	Faculty Member	PRO
16	Sri S. Vishnu Murthy	Assoc. Professor	Faculty Member	801
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Minutes of the Meeting of 7th Board of Studies (BoS) held on 16th March 2019 Resolutions/Recommendations with regard to II Year Syllabus of B.Tech-AR18 Regulations

II B. Tech. I Semester

- It is recommended to mention the year of publication of the text books wherever it is missing.
- It is advised to swap the reference text book-1 and prescribed text book-2 in the OOPs course and frame the course outcomes using Bloom's action verbs.
- It is advised to swap the reference text book-1 and prescribed text book-2 in the DLD course

II B. Tech. II Semester

- It is resolved to include a few experiments on "cross-validation and regression methods" in the course "Statistical Learning Using R Lab".
- It is resolved to include a few concepts related to computer architecture in the course "Computer Organization and Architecture".
- It is resolved to include a few concepts related to I/O Management in the course "Operating Systems".
- It is recommended to include a few case studies in DBMS Laboratory.

Resolutions/Recommendations with regard to M.Tech Course Structure and Syllabus-AR19 Regulations

IM. Tech CSE I Semester

- It is resolved to change the course title "advanced data structures" as "advanced algorithms and design" and include a few concepts related to basic data structures and the rest is on advanced data structures and algorithms.
- It is suggested to club the program elective-1 & 2 into a single list and student can choose any two from that list as elective-1 & 2.
- It is suggested to include half of the experiments on advanced data structures and rest is on algorithms in the course "advanced algorithms and design lab".

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- It is resolved that w.r.t program elective lab, the experiments will be framed by the faculty prior to the course commencement.
- It is resolved to shift Machine Learning of Program Elective-1to II-Semester as a Program Core-III and also include machine learning lab as a program core lab.
- It is recommended to include following new courses in the list of program elective-1 & 2
 - 1. Multi-core Computing
- 2. Cryptography and Network Security

I M. Tech CSE II Semester

- It is resolved to offer OOSE as a program core-IV in place of soft computing and soft computing is to be offered as a program elective in I- Semester.
- It is suggested to club the program elective-3,4 and 5 in to a single list and student can choose any three from that list as elective-3,4 & 5.
- It is suggested to shift "mobile applications and services" from program elective-4 to I- Semester Program electives.
- It is recommended to change the course title of computer vision as computer vision and image processing and content is prepared three units each.
- It is recommended to include following new courses in the list of program elective-3, 4 and 5.
 - 1. Cloud computing
- 2. Sensor networks and Internet of Things (IoT)
- 3. Bigdata Analytics
- 4. Software Testing Methodologies (STM)

• After thorough discussion with BoS members, feedback from stakeholders, members of academic council and based on AICTE Model Curriculum for M.Tech program, total 21 courses are approved. Out of 21 Courses Approved, 4 Program Core Courses, 5 Program Elective Courses, 1 Open Elective, 2 Audit Courses, 3 Lab Course, Technical Seminar, Mini Project and Dissertation (two phases).

Dr.G.S.N Murty HOD,CSE &Chairman, BoS

HOU, CSE



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DEPARTMENT OF CSE

Minutes of the 8th meeting of Board of Studies of CSE Department held on Saturday i.e. 16th November, 2019 in the College Campus.

Agenda:

- 1. To discuss & finalize the B.Tech AR-18 III Year Syllabus
- 2. To discuss & finalize the III Year B.Tech syllabus of Interdisciplinary Electives (IDE) offered by CSE to other Departments. (AR18 Regulation).
 - Introduction to Java
 - · Simulation and Modeling
 - Competitive Coding I & II (for CSE & IT)
 - Competitive Programming I & II(for other branches)
- 3. Any other points with the permission of the Chair.

Sl.No	Name of the Member	Designation	Nomination	Signature
1	Dr. G.S.N. Murty	HOD, CSE	Chairman	5-
2	Dr. D.V.L.N. Somayajulu	DIRECTOR, HITDM, KURNOOL	Expert member Nominated by Academic Council	Dw/ 16/11/
3	Prof. M.V. Panduranga Rao	Head & Assoc. Professor CSE Dept. IIT Hyderabad	Expert member Nominated by Academic Council	
4	Dr. M.H.M. Krishna Prasad	Professor, Dept. of CSE & Vice-Principal JNTUK- Kakinada Campus	Expert member Nominated by University	Mlm 16/11/10
5	Sri Aravind Unnikrishnan	Delivery Head, TCS Hyderabad	Expert member Nominated from Industry Related to Placements	
6	Prof. PSSRaju	Dean, MVGR College of Engineering, Vizianagaram.	Expert Member	PAS
7	Mr. K Tata Rao	Teradata India Pvt. Ltd., Hyderabad.	PG Alumni	

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8	Dr. Ch. Ramesh	Professor	Faculty Member	(6)
9	Dr. U.D. Prasan	Professor	Faculty Member	top
10	Prof. D.T.V. Dharmajee Rao	Professor	Faculty Member	al
11	Dr. K. Yogeswara Rao	Assoc. Professor	Faculty Member	5
11	Dr. T P R Vital	Assoc. Professor	Faculty Member	Tital.
12	Dr. Ch. Dhanunjaya Rao	Assoc. Professor	Faculty Member	1
13	Dr. Janmenjoy Nayak	Assoc. Professor	Faculty Member	
14	Sri R. Srinivas	Assoc. Professor	Faculty Member	Phane
15	Sri Y. Ramesh	Assoc. Professor	Faculty Member	MA
16	Sri M.V.B. Chandra Sekhar	Assoc. Professor	Faculty Member	(My)
17	Sri P.K. Sahu	Assoc. Professor	Faculty Member	
18	Sri S. Vishnu Murthy	Assoc. Professor	Faculty Member	h

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MINUTES OF THE MEETING OF BOARD OF STUDIES (BOS) IN COMPUTER SCIENCE AND ENGINEERING HELD ON 16th November 2019(Saturday) at 10am IN THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING.

Resolutions with regard to Syllabus of III B.Tech I & II Semester AR18 Regulations

Resolved to change the titles of "Introduction to JAVA" as "Java Programming "and Introduction to PYTHON as "PYTHON Programming in Interdisciplinary Elective –II.

Resolved to change Units 4 and 5 by Including Machine Learning concepts in the Artificial Intelligence & Machine Learning course of III Year I Semester.

Resolved to avoid repetition of Discrete Mathematics concepts in Graph Theory (Professional Elective-I). Add concepts related to Graph Theory.

Suggestions with regard to Syllabus of III B.Tech I & II Semester AR18 Regulations

Modify the COs using action verbs in few courses like Social Networks, AI&ML, etc.,

Introduce few courses as part of Interdisciplinary Elective for competitive coding to accelerate students, based on the Industry need.

In the Professional Electives, add some courses related to latest trends in the Industry .Example: User Interface Development, Full stack development, Dev Apps, Entrepreneur Mobility Management, Digital Technologies etc.,

Make sure that concepts like recurrence relations and generating functions are covered in Discrete Mathematics itself.

Suggested to implement advanced concepts like Machine Learning, Artificial Intelligence etc., as a CASE Study as part of Mini Project I & II.

Write the Edition and Year of publication for all prescribed books.

In the Lab courses, every year, add some latest experiments

In the Core Courses, important concepts may be focused based on feedback from industry experts.

Form student technical association, so that the seniors can train juniors on latest technologies.

Dr. G S N Murty Chairman, BOS & HOD, CSE

Head, Dept. of CSE Aditya Institute of Technology & Management Tekkali-532 201, (A.P.)



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DEPARTMENT OF CSE

Minutes of the 9th meeting of Board of Studies of CSE Department held on Thursday i.e. 26th November, 2020 through **Zoom Online Platform** with following Link.

Topic: 9th BOS Meeting

Time: Nov 26, 2020 02:30 PM India

Join Zoom Meeting:

https://zoom.us/j/96372167619?pwd=dEZsc2JBbkNPV2tyUnZGK3R1OHZ0QT09

Meeting ID: 963 7216 7619

Passcode: 385571

Agenda:

To Discuss and Finalize AR18- IV Year B. Tech Syllabus.

 To discuss and Finalize the syllabus of Interdisciplinary Electives(IDE-IV) offered by CSE to other departments –AR18-B.Tech

* Introduction to Cloud Computing (4-1)

- To Discuss and Finalize the Course Structure(First Year and Template for the II,III and IV Year), Regulations and First Year Syllabus of AR20 based on the APSCHE model curriculum including B.Tech Honors/Minor with additional 20 credits
- Any other points with the permission of Members.

Members Present:



1.	Dr. G.S.N. Murty,	AITAM	Chairman
2.	Prof. M.V. Panduranga F	Rao, IIT Hyderabad	Member
3.	Dr. M.H.M. Krishna Pra	sad, UCEK, JNTUK	Member
4.	Sri Aravind Unnikrishna	n, TCS, Hyderabad	Member

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Member



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Prof. PSSRaju, Dean, MVGRCOE(A), VZM





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6.	Dr. Ch. Ramesh , AITAM	Member
7.	Dr. U. D. Prasan, AITAM	Member
8.	Dr. D. T. V. Dharamajee Rao, AITAM	Member
9.	Dr. K. Yogeswara Rao, AITAM	Member
10.	Dr. T. P. R. Vital, AITAM	Member
11.	Dr. Ch. Dhanunjaya Rao, AITAM	Member
12.	Dr. Janmenjoy Nayak, AITAM	Member
13.	Dr. B. Kameswara Rao, AITAM	Member
14.	Dr. T. Ravi Kumar, AITAM	Member
15.	Sri. R. Srinivas, AITAM	Member
16.	Sri Y. Ramesh, AITAM	Member
17.	Sri M.V.B. Chandra Sekhar, AITAM	Member
18.	Sri Pramod Kumar Sahu, AITAM	Member
19.	Sri S. Vishnu Murthy, AITAM	Member

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Minutes of the Meeting of 9th Board of Studies (BoS) held on 26th November 2019 Resolutions/Recommendations with regard to IV Year Syllabus of B.Tech-AR18 Regulations

- Include "Block Chain Technology" as a Professional Elective.
- II. Change the Title of Professional Elective-V "Information Theory and Computing" as "Information Theory and Coding" to make it more suitable for content preparation.

Resolutions/Recommendations with regard to B.Tech Course Structure and First Year Syllabus-AR20 Regulations

- I. Substitute "Workshop and Manufacturing Practice" in I Year II Semester with "IT Workshop".
- II. Replace Biology in II Year I semester with Professional Core Course.
- III. Restrict Number of Interdisciplinary Electives to maximum of two.

Other suggestions given by the Board:

➤ Allow students to complete professional elective courses through MOOCs like NPTEL if the courses are offered for 12 weeks and 3 credits.

Category	Subjects (T/L)	Credits
Mandatory Courses	4/0	0
Humanities and Social Science Courses	2/2	9
Basic Science Courses	5/3	19.5
Engineering Science Courses	4/6	24
Professional Core Course	14/10	57
Professional Core Elective	5/0	15
Interdisciplinary Elective/Open Elective	3/0	09
Skill Course	5/0	10
Internship/Project	3/0	16.5
Total	45/21	160

Dr.G.S.N Murty HOD, CSE &Chairman, BoS

Dr. GSN Murty Professor and HOD-CSE AITAM (Autonomous)

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DEPARTMENT OF CSE

Minutes of the 10th Board of Studies (BoS) meeting of CSE Department held on Friday i.e. 9th July, 2021 through Google Meet online platform with the following Link.

Topic: 10th BOS Meeting

Friday, July 9 · 11:00am - 1:00pm

Google Meet joining info

Video call link: https://meet.google.com/jnd-qcsm-uzs

Or dial: (US) +1 423-815-1985 PIN: 872 470 382#

Agenda:

To discuss and approve the following:

- II year Course Titles & syllabus of AR20.
- Interdisciplinary Elective-I (Title & Syllabus) & Interdisciplinary Elective- II (Title)
- II B. Tech Skill Oriented courses I & II
- Introduction of AI&ML and Data Science Courses as Honors / Minor in B.Tech Programme of AR20
- Any other points with the permission of Members.

Members Present:

1. Dr. U D Prasan, AITAM	Chairman
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2.	Dr. D.V.L.N	Somayajulu,	Director,	HITDM,	Kurnool	Member
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4. Dr. M.H.M. Krishna Prasad, UCEK, JNTUK Member

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5.	Sri Aravind Unnikrishnan, TCS, Hyderabad	Member
6.	Dr. Ch. Ramesh , AITAM	Member
7.	Dr. D. T. V. Dharamajee Rao, AITAM	Member
8.	Dr. Y. Ramesh, AITAM	Member
9.	Dr. M.V.B. Chandra Sekhar, AITAM	Member
10.	Dr. K. Yogeswara Rao, AITAM	Member
11.	Dr. T. P. R. Vital, AITAM	Member
12.	Dr. Ch. Dhanunjaya Rao, AITAM	Member
13.	Dr. Janmenjoy Nayak, AITAM	Member
14.	Dr. B. Kameswara Rao, AITAM	Member
15.	Dr. T. Ravi Kumar, AITAM	Member
16.	Sri. R. Srinivas, AITAM	Member
17.	Sri Pramod Kumar Sahu, AITAM	Member
18.	Sri S. Vishnu Murthy, AITAM	Member



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Minutes of the Meeting of 10th Board of Studies (BoS) held on 9th July 2021 Resolutions/Recommendations with regard to II Year Syllabus and Interdisciplinary / Open **Electives of B.Tech-AR20 Regulations**

- II year Course Titles & syllabus of AR20 is approved.
- Resolved to include "Unix Utilities" as Interdisciplinary Elective-I in II-II and Syllabus approved
- Resolved to include "Java Programming" as Interdisciplinary Elective-II in III-I
- Resolved to include "IoT" as Skill Oriented Course I in II-I offered by APSSDC.
- Resolved to include "AWS Solutions Architect" as Skill Oriented Course II in II-II offered by APSSDC.
- Resolved to introduce AI&ML and Data Science Courses as Honors / Minor in B. Tech Programme of AR20.

Dr. U D Prasan

HOD, CSE & Chairman, BoS

Chairman, BoS Dept. of CSE

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Sila & lama (Dist) A. Email: info@adityatekkali.edu.in

aditya tekkali@yahoo.com www.adityatekkali.edu.in

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BOS Department of ME



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aditya tekkali@yahoo.com www.adityatekkali.edu.in

Date: 30-06-2018

Department of Mechanical Engineering

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Minutes of the BoS Meeting held in the Mechanical Engineering Department for Autonomous on 30th June 2018 Members Present:

External Members:

S. No.	Name of the Member	Signature
1.	Dr. B. Balakrishna	
2.	Dr. M. Ramji	
3.	Dr. V. Rajesh Khana Raju	Ham
4.	Sri K. Lakshman	· cov

Internal Members:

S. No.	Name of the Member	Signature
1.	Dr. C. J. Rao	Q 1
2.	Dr. N. Hari Babu	Alzisu
3.	Dr. D. Sreeramulu	gel.
4.	Dr. D. Azad	JA.
5.	Sri D. Lokanadham	Dhore
6.	Sri P. Srihari	1.1.2.2
7.	Sri M. V. Ramana	1 out
8.	Sri N. Ramesh	Routo

PG Alumni:

S. No.	Name of the Member	Signature
1.	Mr. Goka Suresh	Only

Agenda:

To discuss & finalize the AR16 syllabi for IV year B. Tech. (Mechanical Engg.) To discuss & finalize the AR18 course structure and syllabi for I year B. Tech. (Mechanical Engg.)

Board of studies meeting is held on 30th June 2018 at HOD's Chamber of Mechanical Engineering Department, AITAM. BoS External & Internal members are present at the meeting for finalizing the syllabi of AR16 IV year B. Tech. (Mechanical Engg.), AR18 course structure and syllabi for I year B. Tech. (Mechanical Engg.)

Following suggestions are made during the meeting.

IV Year:

- Topics in Unit I in "Industrial Hydraulics and Pneumatics" have been slightly modified and reorganized.
- In "Heat Transfer" Unit I and Unit II titles have been modified. In Unit V topic on gas radiation has been removed with the proposal of the BOS members. Text Books have also been reorganized.
- 3. In "Finite Element Methods" topics on the FEA software introduction of Unit V have been removed as an exclusive FEA Lab course is available.
- 4. In "Operations Research" course outcomes have been modified and reorganized. Topics in Unit III and Unit IV have been modified. Text Books Author names have been corrected.
- 5. In "Industrial Automation" Unit IV titles have been modified.
- 6. In "Statistical Quality Control" topics in Unit II have been rearranged and topic on Calculation of capability indices has been added in Unit III.
- 7. In "Design for Manufacturing and Assembly" Unit IV has been modified and reorganized.
- "Computational Fluid Dynamics" all units syllabi needs to be modified and reorganized and accordingly modify the outcomes and objectives of the course.
- 9. Detailed list of experiments to be presented in the "FEA lab".
- 10. BPRE topic has been removed from "Industrial Automation" Unit V as it is also a topic in Unit IV of "Production Planning and Control".
- 11. Titles of Unit I and Unit III have been modified in "Non Conventional Sources of Energy".
- 12. The title Internal Combustion Engine Plant is not suitable and needs to be removed from Unit III of "Power Plant Engineering". Also, new list of text books for Power Plant Engineering is to be provided.
- 13. It was advised to follow uniformity in the nomenclature of the prescribed text books.

AR18

I Year:

- After detailed discussion among the BOS members on AICTE model curriculum 2018 and based on the feedback of stakeholders and members of Academic Council, total 98 numbers of courses are introduced and approved. Out of 98 courses approved, 15 are new courses, 18 are professional electives, 24 are Open Electives and 81 are related to improve Employability/Entrepreneurship/Skill development.
- 2. Introduced induction program, Biology, Constitution of India/Essence of Indian Traditional Knowledge and Industrial Psychology.
- Number of labs has been increased in comparison with the proposed AICTE course structure in each semester.
- "Engineering Graphics and Design" course is proposed to be a combination of drawing sheet and desktop console practice and proposed as a lab course.
- 5. "Heat Transfer" title has been modified as "Heat and Mass Transfer" and accordingly the syllabus was proposed to be modified in the next meeting.
- 6. In IV year courses, "Production Planning and Control" has been replaced by a new subject "Project Management and Operations Research" in Elective II.
- 7. In I year, for the subject "Elements of Workshop Technology" Unit I has been reorganized.
- In I year, experiment's names in the "Workshop and Manufacturing Practice" have been changed. Course Outcomes have been changed.

Chairman-BOS



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MEMBERS OF BOARD OF STUDIES (BoS) Branch – Mechanical Engineering (MECH) (2018-19 to 2020-21)

SI.No	Name of the Member	Designation	Nomination
1.	Dr.C.J.Rao	Chairman	HOD
2.	Professors & Assoc.Professors	Members	Faculties
3.	Dr. M. Ramji	Member	Expert Member nominated by Academic Council
4.	Dr. V. Rajesh Khana Raju	Member	Expert Member nominated by Academic Council
5.	Dr. B. Balakrishna	Member	Expert Member nominated by University
6.	Sri K. Lakshman	Member	Expert Member nominated from Industry
7.	Sri Goka Suresh	Member	Alumni

PRINCIPAL PRINCIPAL ADITYA INSTITUTE SCHNOLOGY & MANAC







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DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF THE MEETING OF THE BOARD OF STUDIES HELD ON 29-12-2018 AT 10.30 A.M. IN THE COLLEGE CAMPUS.

Agenda:

- 1. To review the previous Minutes of the Meeting.
- To discuss the Syllabus of 2nd & 3rd Year B.Tech (AR18) for the Academic Year 2019-20.
- 3. Any other points with the permission of the Chair.

The following decisions were taken after detailed discussions among the members:

- 1. The members reviewed the previous minutes of the meeting and confirmed the same since no further comments were received.
- 2. The members discussed the Syllabus of the 2nd & 3r^d B.Tech. programmes (AR18) to be Implemented in the Academic Year 2019-20 and the same will be finalized in the next BoS meeting scheduled in the month of March/April 2019.

Meeting ended at 1.30 P.M. with vote of thanks by the Chair followed by lunch.

H.O.D. Dept. of Mach. Engg. AITAM, TEKKALL C H A I R M A N



TEKKALI - 532 201, Srikakulam Dist., A.P. Tel: 08945 245666, 0 94401 95534.



Counseling Code

Ermail info@acdityateIdeali ect... active telesilicoyatice co

Date: 16-03-2019

Department of Mechanical Engineering

Minutes of Board of Studies 7th meeting of Mechanical Engineering Department held on 16th March, 2019.

External Members:

S. No.	Name of the Member	Signature
1.	Dr. B. Balakrishna	
2.	Dr. M. Ramji	M. m
3.	Dr. V. Rajesh Khana Raju	
4.	Sri K. Lakshman	Japan

Internal Members:

S. No.	Name of the Member	Signature
1.	Dr. C. J. Rao	16/3/19
2.	Dr. D. Sreeramulu	BV.
3.	Dr. D. Azad	
4.	Dr. V. Chetti Babu	V Cuit habl
5.	Sri D. Lokanadham	Dlay
6.	Sri P. Srihari	P. hele
7.	Sri B. Ramakrishna	con.
8.	Sri M. V. Ramana	ry
9.	Sri N. Ramesh	Reuse

PG Alumni:

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-	S.	Name of the Member	Signature
	No.	Name of the Member	0.6
	1.	Mr. Goka Suresh	Duly 103 h.

Agenda:

To discuss & finalize the AR18 syllabi for II year B. Tech. (Mechanical Engineering) To discuss & finalize the AR19 course structure and syllabi for M. Tech. (Thermal Engineering)

Board of studies meeting is held on 16th March 2019 at HOD's Chamber of Mechanical Engineering Department, AITAM. BoS External & Internal members are present at the meeting for finalizing the syllabi of AR18 II year B. Tech. (Mechanical Engg.), AR19 course structure and syllabi for M. Tech. (Thermal Engg.)

Following suggestions are made during the meeting.

Cont....

Minutes of Board of Studies 7th meeting of Mechanical Engineering Department held on 16th March, 2019

AR18 (B. Tech)

II Year:

- 1. Add Energy Concepts in Unit V of 'Engineering Mechanics' of Mechanical Engineering with course code 18EST203.
- 2. Add Aluminum and Titanium based alloys in UNIT III of 'Materials Engineering' of Mechanical Engineering with course code 18MET202.
- 3. Reorganize chapters of Strength of materials from Unit II to Unit V. Combined Loading to be introduced along with principal stresses.
- 4. Replace GD & T from COMPUTER AIDED DRAFTING LAB with basic 3D modeling concepts, GD & T to be introduced in 3D Modeling Lab in III year in the next BOS meet.
- 5. Rename Thermal Engineering Lab as IC Engines lab.
- 6. Gas dynamics and Jet propulsion to be introduced in Applied Thermodynamics. Axial Flow and Centrifugal Compressors also to be added. Boilers can be removed.
- 7. Optimization Techniques instead of Project Management & Operations research.
- Add Stability criterion and Bode Plots in INSTRUMENTATION AND CONTROL of II
 Year II Semester. Add more portions of Control systems and reduce instrumentation to 3
 units.
- 9. Remove the "study of boilers" experiment from Thermal Engineering Lab.

AR19 (M. Tech)

- 1. Number of labs has been increased in comparison with the previous AR16 course structure in each semester.
- Entire course structure needs to be reframed keeping in view of the academic and research challenges and contemporary issues and accordingly syllabi for various subjects are to be prepared.

Chairman-BOS

&

HOD, Mechanical Engg.

Mint, of Mech. Engs



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Date: 16-11-2019

Department of Mechanical Engineering

Minutes of Board of Studies 8th meeting of Mechanical Engineering Department held on 16th November, 2019

External Members:

S.No. Name of the Member		Signature
1.	Dr. B. Balakrishna	gest.
2.	Dr. M. Ramji	
3.	Dr. V. Rajesh Khana Raju	Kars
4.	Sri K. Lakshman	kosues

Internal Members :

S.No.	Name of the Member	Signature
1.	Dr. C.J. Rao	(9)
2.	Dr. D. Sreeramulu	96
3.	Dr. D.Azad	T.W.
4.	Dr. V. Chitti Babu	V. Cuthabu
5.	Sri D. Lokanadham	Dh
6.	Sri P. Srihari	P. Smile
7.	Sri B. Ramakrishna	with
8.	Sri M.V. Ramana	00
9.	Sri N. Ramesh	^
10.	Dr. R. Siva Sankar Raju	Leg .
11.	Dr. D. Santhosh Kumar	The state of the s

PG Alumni:

S.No.	Name of the Member	Signature
1.	Mr. Goka Suresh	presit

Agenda:

To discuss & finalize the AR-18 Syllabus for III B.Tech. (Mechanical Engineering).

Board of studies meeting is held on 16th November, 2019 at HOD's Chamber of Mechanical Engineering Department, AITAM. BoS External & Internal members are present at the meeting for finalizing the syllabi of AR-18 III year B.Tech. (Mechanical Engineering).

Following suggestions are made during the meeting.

Cont...

Minutes of Board of Studies 8^{th} meeting of Mechanical Engineering Department held on 16^{th} November, 2019

AR18 (B. Tech)

III Year:

The following points were discussed and changes were suggested in the draft syllabus prepared by the subject experts of the department.

- Reframed and reorganized course outcomes as well as topics on principal stresses in proposed in Unit I. Remove 'stresses in keys' topic in Unit IV of <u>DMM-I</u>.
- Reorganize course outcomes of <u>KDM</u>. Remove whitworth quick return motion mechanisms in Unit-II proposed topics. Remove 'Hartung governor, four bar and static and dynamic analysis of mechanisms' topics.
- Add 'Rocket Engines' and 'Flow through nozzles' referring to JNTUK R16 syllabus in <u>ATD</u>. Specify for which topics steam tables are to be used rather than using/supplying the entire steam tables book. 'Heat Table' book can be referred by the subject experts.
- Add 'Mass transfer concepts' in the fifth unit of <u>Heat and Mass Transfer</u>. Swap 'forced convection' and 'natural convection' topics in the syllabus. Also add 'lumped and infinite body' concepts in Unit I.
- 5. Make '<u>Dynamic Systems and Mechanical Vibrations</u>' as compulsory subject and instead make '<u>Robotics</u>' as elective subject.

Chairman-BOS &

HOD, Mechanical Engg.

Sopt. of Mech. Engir AITAM - TEKKAIT

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Department of Mechanical Engineering

Minutes of Board of Studies 9th meeting of Mechanical Engineering Department held on 30th November,2020

External Members:

S. No.	Name of the Member	Signature
1.	Dr. B. Balakrishna	Present
2.	Dr. M. Ramji	Present
3.	Dr. V. Rajesh Khana Raju	Present
4.	Sri K. Lakshman	Present

Internal Members:

S. No.	Name of the Member	Signature
1.	Dr. C. J. Rao	625
2.	Dr. D. Sreeramulu	Blue
3.	Dr. D. Azad	
4.	Dr. V. Chutti Babu	V.C. Victorial
5.	Sri D. Lokanadham	De.
6.	Sri P. Srihari	P.J.
7.	Sri B. Ramakrishna	Cail
8.	Sri M. V. Ramana	the state of the s
9.	Sri N. Ramesh	
10.	Dr. R. Siva Sankar Raju	Lord
11.	Dr. D. Santhosh Kumar	

PG Alumni:

S. No.	Name of the Member	Signature
1.	Mr. Goka Suresh	Present

Agenda:

To discuss & finalize the AR-18 syllabus for IV B.Tech. & AR-20 Course Structure and I B.Tech. syllabus for (Mechanical Engineering).

Board of studies meeting is held on 30th November, 2020 online. BoS External & Internal members are present at the meeting for finalizing the syllabi of AR-18 IV year B.Tech & AR-20 Course Structure and I B.Tech. syllabus (Mechanical Engineering). Following suggestions are made during the meeting.

Cont...

Minutes of Board of Studies 9th meeting of Mechanical Engineering Department held on 30th November, 2020 through Online(Google Meet)

AR18 (B. Tech)

IV Year:

The following points were discussed and changes were suggested in the draft syllabus prepared by the subject experts of the department.

- It was suggested that some experiments/exercises on FEA need to be on MATLAB coding along with commercial FE software package like ANSYS/ABAQUS in CAE Lab.
- 2. Further to point 1, it was suggested by the members of BOS that following sequence of exercises need to be followed in CAE Lab.
 - a) 1D FE Simulation
 - b) 2D FE Simulation
 - c) Thermal FE problems
 - d) FEA coding for simple 1D bar problems
 - e) Toolpath Simulation in CAM
- 3. Some members of BOS however suggested that if MATLAB coding based FE problems are included the CO-PO attainment may not be possible.

AR20 (B. Tech)

Following points were discussed regarding the proposed AR20 curriculum by the BOS members.

- It was suggested that Automation based subject need to be included in the 6th Semester, and also if possible include topics PLC, 3D printing and Additive manufacturing in Automation.
- 2. Problems of Unit V in Thermodynamics subject are to be modified according to the expert member's suggestions.
- 3. Course Outcomes of Computational Fluid Dynamics need to be changed.
- 4. There were suggestions to have the proposed Minor's degree in Computational Mechanics or Additive Manufacturing.
- 5. A '6' credit project may be included in Honors/Minors degrees.

Chairman-BOS

&

HOD, Mechanical Engg.



BOS Department of EEE



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Date: 30.06.2018

Minutes of meeting -5th Board of Studies meeting - EEE Department held at 11.00 a.m. on Saturday, 30^{yh} June, 2018 in the college campus at C-block.

Agenda:

To Discuss:

- 1. B.Tech IV Year Syllabus (AR16).
- 2. AR-18 Course Structure.
- 3. AR-18 I Year Syllabus.

Members present:

SI.No	Name of the Member	Nomination	Signature
1	Dr.P.Mallikarjuna Rao, Professor, EEE Dept,AU.	Expert Member Nominated By University	ph
2	Dr.D.M.Vinod Kumar, Professor, EEE Dept,NITW.	Expert Member Nominated By Academic Council	Smigney 3
3	Dr.Ravi Kumar Bhimasingu, Asso.Prof. EEE Dept, IITH	Expert Member Nominated By Academic Council	B. Rowle Bolehall
4	Sri. Dinesh K Babu Oltech Group, Chennai	Placements	4 4 7 4 1
5	Dr. K.B.Madhu Sahu, Professor & Principal, EEE	Faculty	- R
	Dr. Ch.Ravi Kumar, Professor, EEE	Faculty	lus
6	Dr.K Kiran Kumar, Professor, EEE	Faculty	17.05
7	Sri. B.Srinivasa Rao, Assoc. Professor, EEE	Faculty	178/10 30 611
8	Sri. S.Naga Raju, Assoc. Professor, EEE	Faculty	W. Carlo
9	Sri P.Balamurali, Assoc. Professor, EEE	Faculty	P. Balan-m
	Sri.B.B Rath, Assoc.Professor, EEE Dept.	Faculty	Wath
10	Sri CH.Krishna Rao, Assoc. Professor, EEE	Faculty	-5000
11	Sri.N.Tejeswara Rao, Assoc. Professor, EEE	Faculty	N. Tel
12	Sri.K.Indu Kumar .	Alumni	10
13	Dr. D.Vijaya Kumar, Prof. & HOD, EEE	Chairman	Que .

Resolutions:

Board of Studies Chairman
Department of EEE
CHAIRMAN
Board of Studies

Aditya Institute of Technology
And Management, Tekkali

Minutes of BOS committee meeting held in EEE Department on 30-06-18

Agenda:

To Discuss:

- B. Tech IV Year Syllabus (AR16).
- AR-18 Course Structure.
- AR-18 I Year Syllabus.

Members present:

External Members:

- 1. Dr.D.M.Vinod Kumar, Professor EEE Dept, National Institute of Technology Warangal.
- 2. Dr. P.Mallikarjuna Rao, Professor, EEE, AU.
- 3. Dr.Ravi Kumar Bhimasingu, Asso.Prof. EEE Dept.Indian Institute of Technology, Hyderabad.

Internal Members:

- 1) Dr.K.B.Madhu Sahu, Professor & Principal
- 2) Dr.Ch Ravi Kumar, Professor, EEE Dept.
- 3) Dr.K Kiran Kumar, Professor, EEE Dept.
- 4) Sri.B.Srinivasa Rab, Assoc.Professor, EEE Dept.
- 5) Sri.S Nagaraju, Assoc.Professor, EEE Dept.
- 6) Sri.P Balamurali, Assoc.Professor, EEE Dept.
- 7) Sri.B.B Rath, Assoc.Professor, EEE Dept.
- 8) Sri. Ch Krishna Rao, Assoc. Professor, EEE Dept.
- 9) Sri.N.Tejeswara Rao, Assoc.Professor, EEE Dept.

Board of studies meeting was held on 30th June, 2018 at computer programming lab of EEE department. BOS members both external and internal attended the meeting for finalizing the above mentioned agenda.

AR-18

I-I

In the subject of Basic Electrical Engineering

- > In unit-II remove the topic parallel combinations.
- > In unit-IV remove the topic operation of instruments advantages and disadvantages.
- D. P. Kothari and I. J. Nagrath, "Basic Electrical Engineering", Tata McGraw Hill, 2010. Should be in reference books.

In Basic Electrical Engineering lab

> Remove the experiment Brake test on 3-phase induction motor.

<u>I-II</u>

In the subject of Electric Circuit Theory

- Change unit-III as unit-V
- Fundamentals of Electrical circuits by Charles K. Alexander, Matthew N.O Sadiku should be in text books.

Board of Studies
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And Management, Tekkali



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29-12-2018

DEPARTMENT OF EEE

MINUTES OF THE MEETING OF THE BOARD OF STUDIES HELD ON 29-12-2018 AT 10,30 A,M, IN THE COLLEGE CAMPUS.

Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of 2nd & 3r^d Year B. Tech (AR18) for the Academic Year 2019-20.
- 3. Any other points with the permission of the Chair.

Members present:

SI.No	Name of the Member	Nomination	Signature
1.	Dr. K.B.Madhu Sahu, Professor & Principal, EEE	Faculty	12° 11
2.	Dr. Ch.Ravi Kumar, Professor, EEE	Faculty	elw
3.	Dr. K.Kiran Kumar, Professor, EEE	Faculty	his
4.	Sri. S.Naga Raju, Assoc. Professor, EEE	Faculty	81
5.	Sri P.Balamurali, Assoc. Professor, EEE	Faculty	PROL
6.	Sri B.B Rath, Assoc. Professor, EEE	Faculty	Fath
7.	Sri CH.Krishna Rao, Assoc. Professor, EEE	Faculty	Man
8.	Sri.N.Tejeswara Rao, Assoc. Professor, EEE	Faculty	N.Tel
9.	Dr. D.Vijaya Kumar, Prof. & HOD, EEE	Chairman	an

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Board of Studies
Department of E.E.E.
Aditya Institute of Technology
And Management, Tekkail

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DEPARTMENT OF EEE

MINUTES OF THE MEETING OF THE BOARD OF STUDIES HELD ON 29-12-2018 AT 10.30 A.M. IN THE COLLEGE CAMPUS.

Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of 2nd & 3r^d Year B.Tech (AR18) for the Academic Year 2019-20.
- 3. Any other points with the permission of the Chair.

The following decisions were taken after detailed discussions among the members:

- 1. The members reviewed the previous minutes of the meeting and confirmed the same since no further comments were received.
- 2. The members discussed the Syllabus of the 2nd & 3rd B.Tech. programmes (AR18) to be Implemented in the Academic Year 2019-20 and the same will be finalized in the next BoS meeting scheduled in the month of March/April 2019.

Meeting ended at 1.30 P.M. with vote of thanks by the Chair followed by lunch.

CHAIRMANS
Department of E.E.E.
Aditya Institute of Technology
And Management, Tekkali



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Date: 16-03-19

Minutes of meeting - 7th Board of Studies meeting - EEE Department held at 11.00 am on Saturday, 16th March, 2019 in the college campus at C-block.

Agenda:

To Discuss:

- B.Tech II Year Syllabus (AR18).
- M. Tech AR-19 Course Structure & Syllabus.

Members present:

S.No	Name of the Member	Nomination	Signature
1.	Dr.P.Mallikarjuna Rao Professor.EEE Dept.AU.	Expert member nominated by University.	propor
2.	Dr.D.M.Vinod Kumar Professor EEE Dept. NITW	Expert member nominated by academic council.	Smigh
3.	Dr.Ravi Kumar Bhimasingu Asso.Prof. EEE Dept.IITH	Expert member nominated by academic council.	8 die
4.	Sri.Dinesh.K.Babu Oltech Group, Chennai	Placements.	
5.	Dr.K.B.Madhu Sahu, Professor & Director (R&D)	Faculty	B
6.	Dr.Ch Ravi Kumar, Professor, EEE	Faculty	"
7.	Dr.K Kiran Kumar, Professor, EEE	Faculty	nio.
8.	Sri.B.Srinivasa Rao, Assoc.Professor, EEE	Faculty	
9.	Sri.S Nagaraju, Assoc.Professor, EEE	Faculty	8
10.	Sri.P Balamurali, Assoc.Professor, EEE	Faculty	R-Balan
11.	Sri.B.B Rath, Assoc.Professor, EEE	Faculty	Both
12.	Sri. Ch Krishna Rao, Assoc.Professor, EEE	Faculty	Ham
13	Sri.N.Tejeswara Rao, , Assoc.Professor, EEE	Faculty	N. Pr
14.	Sri K. Indu Kumar	Alumni	
15	Dr.D.Vijaya Kumar, Professor & HOD EEE	Chairman	On Sur

Board of Studies Chairman

Department of NEE

CHAIRMAN

Board of Studies

Department of E.E.E.

Aditya Institute of Technology

And Management, Tekkali

Minutes of BOS committee meeting held in EEE Department on 16-03-19

Agenda:

To Discuss:

- ▶ B.Tech II Year Syllabus (AR18).
- M.Tech AR-19 Course Structure & Syllabus.

Members present:

External Members:

- 1. Dr. P.Mallikarjuna Rao, Professor, EEE, AU.
- 2. Dr.D.M.Vinod Kumar, Professor EEE Dept, National Institute of Technology Warangal.
- 3. Dr.Ravi Kumar Bhimasingu, Asso.Prof. EEE Dept.Indian Institute of Technology, Hyderabad.

Internal Members:

- 1) Dr.K.B.Madhu Sahu, Professor & Director (R&D).
- 2) Dr.Ch Ravi Kumar, Professor, EEE Dept.
- 3) Dr.K Kiran Kumar, Professor, EEE Dept.
- 4) Sri.B.Srinivasa Rao, Assoc.Professor, EEE Dept.
- 5) Sri.S Nagaraju, Assoc.Professor, EEE Dept.
- 6) Sri.P Balamurali, Assoc.Professor, EEE Dept.
- 7) Sri.B.B Rath, Assoc.Professor, EEE Dept.
- 8) Sri. Ch Krishna Rao, Assoc.Professor, EEE Dept.
- 9) Sri.N.Tejeswara Rao, Assoc.Professor, EEE Dept.

Board of studies meeting was held on 16th March, 2019 at computer programming lab of EEE department. BOS members both external and internal attended the meeting for finalizing the above mentioned agenda.

In the lab of ECA

> Change the lab name as Electrical circuits lab.

AR-19 M.Tech

I-Sem

Introduce Power semi conductor devices subject in I-sem.

In the subject of Power electronic control of dc drives

- > In unit-II & III remove the word converter.
- > Change the unit-IV title as Chopper controlled DC Motor drives-I.
- > Change the unit-V title as Chopper controlled DC Motor drives-II
- > In the unit-V add the topic analysis of Chopper controlled DC Motor drives.
- Add one more text book Power Electronics- Ned Mohan, Tore M.Undelan and William P.Robbins John Wiley & Sons 2nd Edition.

In the subject of Modeling and analysis of electrical machines

> Remove modeling in unit-IV title.

In the subject of Power Quality

- > Remove the topic power quality v/s voltage in unit-I.
- > Remove the topic definition of power factor in unit-V.
- > Change the unit-VI title as Measuring devices for quality.
- > Add one more textbook Power Quality Problems and Mitigation Techniques 1st Edition by Bhim Singh.

In the subject of Design and monitoring of machines

- > Change the subject name of Design and monitoring of machines as Design and conditioning of machines
- > In unit-III title replace mentoring with condition.

II-Sem

In the subject of HVDC

- ➤ Remove the textbook Padiyar, K. R., "HVDC power transmission system", New Age International (P) Ltd., New Delhi, Second Edition, 2010.
- > Change the Subject name as HVDC transmission.
- > The text books Kundur P, "Power System Stability and Control", McGraw-Hill, 1993.S. Kamakshaiah, V. Kamaraju, 'HVDC Transmission', Tata McGraw Hill Education Private Limited, 2011 shou; be in textbook section.

BOS Chairman
CHAIRMAN
Board of Studies
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And Management, Tekkal



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Date: 16-11-2019

Minutes of meeting – 8th Board of Studies meeting – EEE Department held at 11.00 am on Saturday, 16th November, 2019 in the college campus at C-block.

Agenda:

To Discuss:

➤ B.Tech III Year Syllabus (AR18).

Members present:

S.No	Name of the Member	Nomination	Signature
1.	Dr.P.Mallikarjuna Rao Professor.EEE Dept.AU.	Expert member nominated by University.	and
2.	Dr.D.M.Vinod Kumar Professor EEE Dept. NITW	Expert member nominated by academic council.	Smuly
3.	Dr.Ravi Kumar Bhimasingu Asso.Prof. EEE Dept.IITH	Expert member nominated by academic council.	Bland
4.	Sri.Dinesh.K.Babu Oltech Group, Chennai	Placements.	101
5,	Dr.K.B.Madhu Sahu, Professor & Director (R&D)	Faculty	KBMLL S
6.	The state of the s	Faculty	ded
7.	Dr.K Kiran Kumar, Professor, EEE	Faculty	
8.	Dr.Promod Kumar Gouda, Professor, EEE	Faculty	KI
9.	Sri.B.Srinivasa Rao, Assoc.Professor, EEE	Faculty	AN -
10	Sri.S Nagaraju, Assoc.Professor, EEE	Faculty	Br
11.	Sri.P Balamurali, Assoc.Professor, EEE	Faculty	P. Balaun
12.	, , , , , , , , , , , , , , , , , , , ,	Faculty	Vith
	Sri. Ch Krishna Rao, Assoc.Professor, EEE	Faculty	Elm
	Sri.N.Tejeswara Rao, , Assoc.Professor, EEE	Faculty	Nilay
15	Sri K. Indu Kumar	Alumni	-
16	Dr.D.Vijaya Kumar, Professor & HOD EEE	Chairman	OXY

Board of Studies Chairman

Department of EEE
CHAIRMAN
Board of Studies
Department of E.E.E
Aditya Institute of Techno
And Management, Tekkan

Minutes of BOS committee meeting held in EEE Department on 16-11-19

Agenda:

To Discuss:

> B.Tech III Year Syllabus (AR18).

Members present:

External Members:

- 1. Dr. P.Mallikarjuna Rao, Professor, EEE, AU.
- 2. Dr.D.M. Vinod Kumar, Professor EEE Dept, National Institute of Technology Warangal.
- 3. Dr.Ravi Kumar Bhimasingu, Asso.Prof. EEE Dept.Indian Institute of Technology, Hyderabad.

Internal Members:

- 1) Dr.K.B.Madhu Sahu, Professor & Director (R&D).
- 2) Dr.Ch Ravi Kumar, Professor, EEE Dept.
- 3) Dr.K Kiran Kumar, Professor, EEE Dept.
- 4) Dr. Prmod Kumar Gouda, Professor, EEE Dept.
- 5) Sri.B.Srinivasa Rao, Assoc.Professor, EEE Dept.
- 6) Sri.S Nagaraju, Assoc.Professor, EEE Dept.
- 7) Sri.P Balamurali, Assoc.Professor, EEE Dept.
- 8) Sri.B.B Rath, Assoc.Professor, EEE Dept.
- 9) Sri. Ch Krishna Rao, Assoc. Professor, EEE Dept.
- 10) Sri.N.Tejeswara Rao, Assoc.Professor, EEE Dept.
- 11) Dr.D.Vijaya Kumar, Professor & HOD, EEE Dept.

Board of studies meeting was held on 16th November, 2019 at computer programming lab of EEE department. BOS members both external and internal attended the meeting for finalizing the above mentioned agenda.

AR-18

III-I

In the subject of Power electronics

- > Change the Unit-II title as Single Phase AC-DC Converters
- > Change the Unit-III title as Three Phase AC-DC Converters
- ➤ Change the Unit-V title as DC-AC Converters & Inverters

In the subject of Electrical Measurements

- Add one more topic Hall effect sensor basics in Unit-II
- ➤ Change the Unit-IV title as DC Bridges
- Remove text book Electrical Measurements by Buckingham and Price, Prentice Hall from reference section

In the subject of Power systems-II

- > Change the Unit-II title as Performance of transmission lines-I
- > Change the Unit-III title as Performance of transmission lines-II
- > Add text book Power System Analysis by Hadi Saadat TMH Edition.

In the subject of Renewable energy sources

➤ Change the Unit-V title as Direct energy conversion(DEC)

III-II

In the subject of Switchgear and protection

Add the topics numerical relay, comparison of electromagnetic, static, and numerical relay in Unit-II

In the subject of Power system analysis

> Change the Unit-V title as Power system stability analysis

Change the title of the subject PLCs & SCADA theory subject title as Industrial Automation

In the subject of Principles of signals and systems

- > Add the topic limitations in Unit-III
- Add the topic limitations in Unit-IV
- > Add the topic limitations in Unit-V

Change the title of the subject Energy audit conservation and management as Energy audit management and conservation

BOS Chairman
CHAIRMAN
Board of Studies
Department of E.E.E.
Aditya Institute of Technology
And Management, Tekkalı



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Date: 28-11-20

Minutes of meeting – 9th Board of Studies meeting – EEE Department held at 10.30 am (online) on Saturday, 28th November, 2020 in the college campus at C-block.

Agenda:

To Discuss:

- ➢ B.Tech IV Year Syllabus (AR18).
- ➤ B.Tech AR-20 Course Structure & I-Year Syllabus.

Members present:

S.No	Name of the Member	Nomination	Signature
1.	Tale Trolessor.EEE Dept.Ao.	Expert member nominated by University.	
150	Dr.D.M.Vinod Kumar Professor EEE Dept. NITW	Expert member nominated by academic council.	W.
3.	Dept.IITH	Expert member nominated by academic council.	
4.	Chemia	Placements.	
5.	The same, Froisson & Director (RAI)	Faculty	21
6.	TOICSSOI, EEE	Faculty	E
7.	Training, Troicssor, EEE	Faculty	0 - 0 -
8. 9.	Training Gouda, 110165501, E.E.E.	Faculty	NA T
	Sri.B.Srinivasa Rao, Assoc.Professor, EEE	Faculty	TILLE
11	Sri.S Nagaraju, Assoc.Professor, EEE	Faculty	1880
12	Sri P Balamurali, Assoc.Professor, EEE	Faculty	P.Balan
13	Sri.B.B Rath, Assoc.Professor, EEE	Faculty	Contract of the contract of th
14	Sri. Ch Krishna Rao, Assoc.Professor, EEE	Faculty	1
15	Sri.N.Tejeswara Rao, , Assoc.Professor, EEE Sri K. Indu Kumar	Faculty	
16	Dr.D. Vilove V.	Alumni	N. Tel
10	Dr.D.Vijaya Kumar, Professor & HOD EEE	Chairman	and

Board of Studies Chairman

Department of EEE

Boad of the Department

Dept. of E.E.E.

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Management, TEKKAL!

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Minutes BOS committee meeting held in EEE department (online) on 28-11-20

Agenda:

To Discuss:

- B.Tech IV Year Syllabus (AR18).
- ➤ B.Tech AR-20 Course Structure & I-Year Syllabus.

Members present:

External Members:

- 1. Dr. P.Mallikarjuna Rao, Professor, EEE, AU.
- 2. Dr.D.M. Vinod Kumar, Professor EEE Dept, National Institute of Technology Warangal.
- Dr.Ravi Kumar Bhimasingu, Asso.Prof. EEE Dept.Indian Institute of Technology, Hyderabad.

Internal Members:

- 1) Dr.K.B.Madhu Sahu, Professor & Director (R&D).
- 2) Dr.Ch Ravi Kumar, Professor, EEE Dept.
- 3) Dr.K Kiran Kumar, Professor, EEE Dept.
- 4) Dr.Prmod Kumar Gouda, Professor, EEE Dept.
- 5) Sri.B.Srinivasa Rao, Assoc.Professor, EEE Dept.
- 6) Sri.S Nagaraju, Assoc.Professor, EEE Dept.
- 7) Sri.P Balamurali, Assoc.Professor, EEE Dept.
- 8) Sri.B.B Rath, Assoc.Professor, EEE Dept.
- 9) Sri. Ch Krishna Rao, Assoc. Professor, EEE Dept.
- 10) Sri. N. Tejeswara Rao, Assoc. Professor, EEE Dept.
- 11) Dr.D. Vijaya Kumar, Professor & HOD, EEE Dept.

Board of studies meeting was held on 28th November, 2020 in online mode. BOS members both external and internal attended the meeting for finalizing the above mentioned agenda.



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AR-18

IV-I

In the subject of Fundamentals of Electric Drives

- Change the subject title from Fundamentals of Electric Drives to Electric Drives.
- Add the topic applications in UNIT-I.
- Add the topic applications in UNIT-II.

In the subject of High Voltage D.C. TRANSMISSION

- Elaborate course objectives.
- > Split UNIT-II into two halves.
- > Interchange textbooks numbers in textbooks section.

In the subject of FLEXIBLE AC TRANSMISSION SYSTEMS

Change all course outcomes.

In the subject of POWER SYSTEM OPERATION AND CONTROL

- Change all course outcomes.
- Add the topic controlled case in UNIT-IV
- In Reference section add textbooks publisher & publishing year.

In the subject of HIGH VOLTAGE ENGINEERING

- Change the title of UNIT-II.
- In Reference section add textbooks publisher & publishing year.

In the subject of POWER QUALITY MANAGEMENT SYSTEMS

- > Change the course outcome 5.
- > Shift textbook D.A Bradely and P.S. Bodger, Power System Harmonics. New York: Wiley, 1985 into reference section.

In the subject of ELECTRICAL DISTRIBUTION SYSTEMS

Check the title of textbook name under textbook section.



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In the subject of POWER QUALITY MONITORING

- > Change the subject title from Power Quality Management to Power Quality Monitoring.
- > In Textbooks section add textbooks publisher & publishing year.

IV-II

In the subject of ELECTRICAL MACHINE DESIGN

Add the topics Introduction to permanent magnet machines design and Linear motor design in UNIT-I.

In the subject of DIGITAL CONTROL SYSTEMS

> In Textbooks section add textbooks publisher & publishing year.

Qu'

BOS Chairman
CHAIRMAN
Board of Studies
Department of E.E.E.
Aditya institute of Technology
And Management, Tekkali



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TEQIP Funded College

Date: 03-07-21

Minutes of meeting - 10th Board of Studies meeting - EEE Department held at 10.30 am (online) on Saturday, 3rd July, 2021 in the college campus at C-block.

Agenda:

To Discuss:

- ➤ B.Tech II Year Syllabus (AR20).
- ➤ B.Tech AR-20 Course Structure.
- B.Tech Honors.

Members present:

	16.1	Nomination	Signature
S.No	Name of the Member	Expert member nominated	
1.	Dr.P.MallikarjunaRaoProfessor.EEE Dept.AU.	by University.	
2.	Dr.D.M.Vinod KumarProfessor EEE Dept.NITW	Expert member nominated by academic council.	
3.		Expert member nominated by academic council.	
	Dept.IITH Check Group Chennai	Placements.	-0
4.	Sri.Dinesh.K.BabuOltechGroup, Chennai	Faculty	4
5.	Dr.K.B.MadhuSahu, Professor & Director (R&D)	Faculty	
6.	Dr.Ch Ravi Kumar, Professor, EEE	Faculty	hra.
7.	Dr.KKiran Kumar, Professor, EEE	Faculty	8
8.	Dr. Promod Kumar Gouda, Professor, EEE	Faculty	Blue
9.	Sri.B.SrinivasaRao, Assoc.Professor, EEE	Faculty	81
10	Sri SNagaraju Assoc Professor, EEE	Faculty	P.Ralan
11	Sri PBalamurali, Assoc.Professor, ELL	Faculty	trath
12	Cri D BDath Assoc Professor, EEE	Faculty	- E400)_
12	C. Ch Vrighna Rao ASSOC, Professor, LLE	Faculty	NP
14	Sri.N. TejeswaraRao, , Assoc. Professor, EBD	Alumni	
1.	C.: V Indu Kumar	Chairman	au
16	Dr.D.Vijaya Kumar, Professor & HOD EEE		

Board of Studies Chairman
Department of E.E.E.
Aditya Institute of Technology
And Management, Technology

BOS Department of ECE



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Date: 30.06.2018



5th Board of Studies Department of ECE Minutes of BOS meeting

Agenda:

- 1. To discuss & finalize the B.Tech. IV Year Syllabus of AR16 Regulation.
- To discuss & finalize the syllabus of Open Electives offered by ECE to other Departments.

(AR-16 Regulation)

Open Elective-V

- · Basics of Mobile Communications
- Introduction to Wireless Networks
- 3. To discuss the B.Tech. AR18 academic regulation.
- 4. To discuss the B.Tech. Course Structure of AR18.
- 5. To discuss & finalize the B.Tech. I Year Syllabus of AR18 Regulation.
- 6. To discuss & finalize the Electives offered by ECE to other Departments. (AR-18 Regulation)
 - Basic Electronics Engineering (MECH)
- 7. Any other points with the permission of the Chair.

Signature of the members:

SI. No	Name of the Member	Nomination	Signature
1	Dr. G. Sateesh Kumar, Prof. & HOD, ECE	Chairman	4
2	Dr. Gottapu Sasi Bhushana Rao Professor & HOD, Dept. of ECE, Andhra University, Visakhapatnam - 530 003 E-mail: sasi_gps@yahoo.co.in, sasigps@gmail.com Phone:0891-2503795 (R): 2844844 (Office): 98497 47131 (Cell)	Expert Member Nominated By University	
3	Dr. Narasimha Sarma N. V. S. Professor, Dept. of ECE, NIT, Warangal - 506004, Telangana, INDIA Email: sarma@nitw.ac.in Cell: 8702462412	Expert Member Nominated By Academic Council	Ministry

4	Dr. Sri Rama Murty Kodukula Associate Professor & Head of the Department, Dept. of Electrical Engineering, IIT Hyderabad, NH 9, Kandi, TS-502285,hod_ee@iith.ac.in, ksrm@iith.ac.in Ph: +91 40 2301 6005 Cell:9989315776	Expert Member Nominated By Academic Council	
5	Sri B.V. Subba Rao Hon'ble Dy.Project Director Indian Space Research Organization (ISRO) E Mail ID:bvsr.shar@gmail.com;bvsr@shar.gov.in	Expert Member from Industry	Phur
6	Sri K. Dileep Kumar SCAFF Design Engineering ASTRIA Micro Systems Email: dileep.kemburu@gmail.com Cell: 9032792784S	Alumni	A STATE OF THE STA

SI. No	Name of the Member	Nomination	Signature
7	Dr. A.S. Srinivasa Rao, Professor & DEAN (Academics)	Faculty Member	ADMA
8	Dr. M. Jayamanmadha Rao, Professor & Assoc. DEAN - SA	Faculty Member	M
9	Dr. B. Rama Rao, Professor & Asst. HOD	Faculty Member	25
10	Dr. Y. Gopala Rao, Sr. Professor, ECE	Faculty Member	2
11	Dr. M.N.V.S.S. Kumar, Assoc. Professor, ECE	Faculty Member	Trants
12	Sri P. Venkata Muralidhar, Assoc. Professor, ECE	Faculty Member	M
13	Sri M.V.H.B. Murthy, Assoc. Professor, ECE	Faculty Member	971-6
14	Sri G.S.S.S.S.V.Krishna Mohan, Assoc. Professor, ECE	Faculty Member	Exercle
15	Sri. D. Yugandhar, Assoc. Professor, ECE	Faculty Member	D. Y
16	Sri V. Ashok Kumar, Assoc. Professor, ECE	Faculty Member	Man
17	Sri Ch. Rajashekara Rao, Assoc. Professor, ECE	Faculty Member	all sh
18	Sri V. Lokesh Raju, Assoc. Professor, ECE	Faculty Member	Dr
19	Sri K. Chidambara Rao, Assoc. Professor, ECE	Faculty Member	Kilion
20	Sri M. S. R. Naidu, Assoc. Professor, ECE	Faculty Member	7.1.
21	Smt. K. V. L. Bhavani, Assoc. Professor, ECE	Faculty Member	
22	Sri D. Hari Hara Santhosh, Assoc. Professor, ECE	Faculty Member	8 gur

Minutes of the 5th meeting of Board of Studies of ECE Department held on Sunday i.e. 30th June, 2018

1. The syllabi of B.Tech. IV year AR 16 structure and syllabus is reviewed

- GPS is replaced by Satellite communications or Computer Networks.
- GPS as elective for IV-I B.Tech.
- EMI/EMC is replaced by Internet of Things (IOT).
- Verilog should be added in VLSI lab.
- Artificial Neural Networks (ANN) can be replaced by Display Devices or Embedded and Real time Operating systems.
- In Microwave Engineering syllabus Circular wave guides topic is removed.
- Detector characteristics can be included in Microwave Engineering Lab.
- ALU and RISC processor shall be included in VLSI Lab.
- Evolutionary techniques included in Optimization techniques.

2. The course structure of B.Tech. AR 18 is reviewed

- Basics of Probability and Signals and systems can be included in Mathematics.
- Chemistry shall be removed.
- More importance has to be given to the Lab Viva-Voce.
- In Antenna & Wave propagation the term 'Wave' can be removed.
- Linear and Digital IC applications can be make it as two courses.
- Biomedical electronics is replaced with Biomedical Instrumentation.
- Digital system design modified as Digital Electronics.
- · Fiber Optic communication is modified as Optical Communication.
- MATLAB course books are to be introduced in the syllabus.
- Open elective for III-I B.Tech for CSE/IT should be Embedded systems instead of Signals and systems.
- Wavelets should be replaced with DSP Processors.
- The name of HDL lab should be replaced with Digital system Design Lab.
- Nano electronics should be replaced with IOT.

3. The Syllabus of B.Tech. I Year AR 18 is reviewed

- Physics The first 2 units can be combined and unit-3 may be reduced. Add one more unit on electromagnetic fields (Spherical and Cylindrical coordinates).
- Mathematics-I- Combine units 2 & 3 and include 3-D geometry with vector calculus.
- · Network theory- Include more detailed concepts in Filters.

- EDC lab- Add two more experiments on feedback amplifiers and also specify the parameters to be measured.
- Basic Electronics for Mechanical and Switching Theory and Logic design (STLD) for EEE syllabus are reviewed.

BoS Chairman
Dept. of Electronics & Communication Engineering

Dept. of ECE
Aditya Institute of
Fechnology & Management
TEKRALI-532 201



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Circular

Dt: 26-12-2018

The following faculty members are informed to attend the BOS meeting on 28-12 -2018 (Friday) without fail.

Agenda:

- To review the previous Minutes of the Meeting.
 To discuss the Syllabus of 2nd & 3r^d Year B.Tech (AR18) for the Academic Year 2019-20.

3. A	Any other points with the permission o	f the Chair.	
Sl. No.	Name of the staff	Designation	Signature
1	Dr. A.S. SRINIVASA RAO	Prof.& DEAN (Academics)	Amor
2	Dr. M. JAYAMANMADHA RAO	Prof. & Assoc. DEAN - SA	M
3	Dr. B. RAMA RAO	Prof. & Asst. HOD	
4	Dr. Y. GOPALA RAO	Sr. Prof.	~
5	Dr. M.N.V.S.S. KUMAR	Assoc. Prof.	Tranton
6	Sri P. VENKATA MURALIDHAR	Assoc. Prof.	th.
7	Sri M.V.H.B. MURTHY	Assoc. Prof.	920-6
8	Sri G.S.S.S.V. KRISHNAMOHAN	Assoc. Prof.	Greenly
9	Sri. D. YUGANDHAR	Assoc. Prof.	D. XX
10	Sri V. ASHOK KUMAR	Assoc. Prof.	man
11	Sri Ch. RAJASHEKARA RAO	Assoc. Prof.	and a ser
12	Sri V. LOKESH RAJU	Assoc. Prof.	19
13	Sri K. CHIDAMBARA RAO	Assoc. Prof.	K-elis n
14	Sri M. S. R. NAIDU	Assoc. Prof.	71.1
15	Smt. K. V. L. BHAVANI	Assoc. Prof.	1
16	Sri D. HARI HARA SANTHOSH	Assoc. Prof.	aw









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Date: 28.12.2018

Department of ECE Minutes of BOS meeting

Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of 2nd & 3r^d Year B.Tech (AR18) for the Academic Year 2019-20.
- 3. Any other points with the permission of the Chair.

Signature of the members:

SI. No	Name of the Member	Nomination	Signature
1.	Dr. G. Sateesh Kumar, Prof. & HOD, ECE	Chairman	9
2.	Dr. A.S. Srinivasa Rao, Professor & DEAN (Academics)	Faculty Member	Ama
3.	Dr. M. Jayamanmadha Rao, Professor & Assoc. DEAN - SA	Faculty Member	W
4.	Dr. B. Rama Rao, Professor & Asst. HOD	Faculty Member	8
5.	Dr. Y. Gopala Rao, Sr. Professor, ECE	Faculty Member	
6.	Dr. M.N.V.S.S. Kumar, Assoc. Professor, ECE	Faculty Member	HPL
7.	Sri P. Venkata Muralidhar, Assoc, Professor, ECE	Faculty Member	131.V
8.	Sri M.V.H.B. Murthy, Assoc. Professor, ECE	Faculty Member	920
9.	Sri G.S.S.S.V.Krishna Mohan, Assoc. Professor, ECE	Faculty Member	Greenly.
10.	Sri. D. Yugandhar, Assoc. Professor, ECE	Faculty Member	1.4
11.	Sri V. Ashok Kumar, Assoc. Professor, ECE	Faculty Member	Vani
12.	Sri Ch. Rajashekara Rao, Assoc. Professor, ECE	Faculty Member	delay St
13.	Sri V. Lokesh Raju, Assoc. Professor, ECE	Faculty Member	Del .
14.	Sri K. Chidambara Rao, Assoc. Professor, ECE	Faculty Member	HPL
15.	Sri M. S. R. Naidu, Assoc. Professor, ECE	Faculty Member	7.L
16.	Smt. K. V. L. Bhavani, Assoc. Professor, ECE	Faculty Member	B
17.	Sri D. Hari Hara Santhosh, Assoc. Professor, ECE	Faculty Member	- gan

Minutes of the meeting of Board of Studies of ECE Department held on Friday i.e. 28th Dec, 2018

- 1. The members reviewed the previous minutes of the meeting and confirmed the same since no further comments were received.
- 2. The members discussed the Syllabus of the 2nd & 3r^d B.Tech. programmes (AR18) to be implemented in the Academic Year 2019-20 and the same will be finalized in the next Board of Studies meeting scheduled in the month of March/April 2019.

Bos Chairman
Dept. of Electronics & Communication Engineering



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING <u>Circular</u>

Dt. 12-03-2019

The following faculty members are informed to attend 7^{th} BOS meeting on 18-03 -2019 (Monday) without fail.

Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of AR 18 2nd Year B.Tech.
- 3. To discuss and finalize the syllabus of Open Electives offered by ECE to other departments.
- 4. To discuss and finalize the syllabus of the subjects offered by ECE to other departments.
 - **EEE: 1. Electronic Devices and Circuits**
 - 2. Electronic Devices and Circuits Lab
 - CSE: 1. Digital Logic Design
 - 2. Digital Logic Design Lab
- 5. To discuss the Course Structure and Syllabus of AR 19 M.Tech. VLSI System Design for the Academic Year 2019-20.

6. Any other points with the permission of the Chair.

			TO SECOND
S. No.	Name of the staff	Designation	Signature
1	Dr. A.S. SRINIVASA RAO	Principal	Ama
2	Dr. M. JAYAMANMADHA RAO	Prof. & Assoc. DEAN - SA	
3	Dr. B. RAMA RAO	Prof. & Asst. HOD	1
4	Dr. Y. GOPALA RAO	Sr. Prof.	annis !
5	Dr. M.N.V.S.S. KUMAR	Assoc. Prof.	Downton
6	Sri P.V. MURALIDHAR	Assoc. Prof.	fr. h
7	Sri M.V.H.B. MURTHY	Assoc. Prof.	THE STATE OF THE S
8	Sri G.S.S.S.S.V. KRISHNAMOHAN	Assoc. Prof.	St.
9	Sri. D. YUGANDHAR	Assoc. Prof.	on Dix
10	Sri V. ASHOK KUMAR	Assoc. Prof.	Why.
11	Sri Ch. RAJASHEKARA RAO	Assoc. Prof.	allesser
12	Sri V. LOKESH RAJU	Assoc. Prof.	duy
13	Sri K. CHIDAMBARA RAO	Assoc. Prof.	dreent n
14	Sri M. S. R. NAIDU	Assoc. Prof.	91.6
15	Smt. K. V. L. BHAVANI	Assoc. Prof.	*
16	Sri D. HARI HARA SANTHOSH	Assoc. Prof.	D Hailar Guta





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Date: 18.03.2019

7th Board of Studies Department of ECE Minutes of BOS meeting

Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of AR 18 2nd Year B.Tech.
- To discuss and finalize the syllabus of Open Electives offered by ECE to other departments.
- 4. To discuss and finalize the syllabus of the subjects offered by ECE to other departments.

EEE: 1. Electronic Devices and Circuits

2. Electronic Devices and Circuits Lab

CSE: 1. Digital Logic Design

2. Digital Logic Design Lab

- 5. To discuss the Course Structure and Syllabus of AR 19 M.Tech. VLSI System Design for the Academic Year 2019-20.
- 6. Any other points with the permission of the Chair.

Signature of the members:

S.No	Name of the Member	Nomination	Signature
1	Dr. G. Sateesh Kumar, Prof. & HOD, ECE	Chairman	8 <u>b</u>
2	Dr. Gottapu Sasi Bhushana Rao Professor & HOD, Dept. of ECE, Andhra University, Visakhapatnam - 530 003 E-mail: sasi_gps@yahoo.co.in, sasigps@gmail.com Phone:0891-2503795 (R): 2844844 (Office): 98497 47131 (Cell)	Expert Member Nominated By University	Q:L
3	Dr. Narasimha Sarma N. V. S. Professor, Dept. of ECE, NIT, Warangal - 506004, Telangana, INDIA Email: sarma@nitw.ac.in Cell: 8702462412	Expert Member Nominated By Academic Council	
4	Dr. Sri Rama Murty Kodukula Associate Professor & Head of the Department, Dept. of Electrical Engineering, IIT Hyderabad, NH 9, Kandi, TS-502285,hod_ee@iith.ac.in, ksrm@iith.ac.in Ph: +91 40 2301 6005 Cell:9989315776	Expert Member Nominated By Academic Council	
5	Sri B.V. Subba Rao Hon'ble Dy.Project Director Indian Space Research Organization (ISRO) E Mail ID:bvsr.shar@gmail.com;bvsr@shar.gov.in	Expert Member from Industry	BULL

	Sri K. Dileep Kumar	
	SCAFF Design Engineering	
6	ASTRIA Micro Systems	Alumni
	Email: dileep.kemburu@gmail.com	
	Cell: 9032792784S	

S. No	Name of the Member	Nomination	Signature
7	Dr. A.S. Srinivasa Rao, Professor & Principal	Faculty Member	0])
8	Dr. M. Jayamanmadha Rao, Professor & Assoc. DEAN - SA	Faculty Member	M
9	Dr. B. Rama Rao, Professor & Asst. HOD	Faculty Member	2
10	Dr. Y. Gopala Rao, Sr. Professor, ECE	Faculty Member	2
11	Dr. M.N.V.S.S. Kumar, Assoc. Professor, ECE	Faculty Member	Tranto
12	Sri P. Venkata Muralidhar, Assoc. Professor, ECE	Faculty Member	+13.
13	Sri M.V.H.B. Murthy, Assoc. Professor, ECE	Faculty Member	200
14	Sri G.S.S.S.V.Krishna Mohan, Assoc. Professor, ECE	Faculty Member	ly
15	Sri. D. Yugandhar, Assoc. Professor, ECE	Faculty Member	2.5
16	Sri V. Ashok Kumar, Assoc. Professor, ECE	Faculty Member	
17	Sri Ch. Rajashekara Rao, Assoc. Professor, ECE	Faculty Member	Cilase
18	Sri V. Lokesh Raju, Assoc. Professor, ECE	Faculty Member	due
19	Sri K. Chidambara Rao, Assoc. Professor, ECE	Faculty Member	Killer
20	Sri M. S. R. Naidu, Assoc. Professor, ECE	Faculty Member	n.L
21	Smt. K. V. L. Bhavani, Assoc. Professor, ECE	Faculty Member	K
22	Sri D. Hari Hara Santhosh, Assoc. Professor, ECE	Faculty Member	D. Harrison (1)

Minutes of the 7th meeting of Board of Studies of ECE Department held on Monday i.e., 18th Mar, 2019

- III-II In Course Structure (AR-18), Optical Communication should be renamed as Wireless Optical Communication in Professional Elective –II.
- II-I Complex Variables and Statistical Methods: Some modifications are suggested. Signals & Systems: Introduce text book by K. Dheergha Rao as reference. Probability and Stochastic Processes:
 - 1) Corrections are suggested in Unit-I
 - 2) Binomial and Poisson density functions shall be removed.

Electro Magnetic Waves & Transmission Lines:

- 1) Should be renamed as Electromagnetic Field Theory and Transmission Lines
- 2) Some modification suggested.
- 3) In Unit-V, Smith chart should be renamed as Introduction to Smith Chart.
- 4) Remove text book 4.

Analog Communications : Communication receivers in Unit-IV shall be removed. Digital Electronics :

- 1) Error detection and correction codes shall be removed after discussion.
- 2) Code converts shall be removed.

Pulse and Digital Circuits:

- 1) In Unit III and IV, analysis and design should be replaced by design and analysis.
- 2) Publication year need to be included in Reference text books.

Electronic Devices Circuits for EEE: In unit-I, tunnel diode shall be removed.

AR-19 M.Tech.: 1) Introduce Embedded System Design instead of Network Security and Cryptography.

2) Verify subject Codes.

Bos Chairman

Dept. of Electronics & Communication Engineering

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Date: 16.11.2019

8th Board of Studies Department of ECE Minutes of BOS meeting

Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of AR 18 3rd Year B. Tech.
- 3. To discuss and finalize the syllabus of Interdisciplinary Elective offered by ECE to other departments.
- 4. To discuss and finalize the syllabus of the Core & Professional Elective subjects offered by EEE department.
 - EEE: 1. Microprocessors and Microcontrollers
 - 2. Microprocessors and Microcontrollers Lab

EEE (Elective): 1. IC Applications

- 2. Principles of Pulse and Digital Circuits
- 3. Communication Theory

Other Dept. (IE): Other Dept. (IE): 1. Principles of Communications (All (Except ECE)

- 2. Introduction to Signal Processing (EEE/MECH/CIVIL)
- 3. Fundamentals of Signals & Systems

(CSE/IT)

5. Any other points with the permission of the Chair.

Signature of the members:

S.No	Name of the Member	Nomination	Signature
1	Dr. D. Yugandhar, Prof. & HOD, ECE	Chairman	D. Intans
2	Dr. Gottapu Sasi Bhushana Rao Professor & HOD, Dept. of ECE, Andhra University, Visakhapatnam - 530 003 E-mail: sasi_gps@yahoo.co.in, sasigps@gmail.com Phone:0891-2503795 (R): 2844844 (Office): 98497 47131 (Cell)	Expert Member Nominated By University	a\
3	Dr. Narasimha Sarma N. V. S. Professor, Dept. of ECE, NIT, Warangal - 506004, Telangana, INDIA Email: sarma@nitw.ac.in Cell: 8702462412	Expert Member Nominated By Academic Council	NUCENTER
4	Dr. Sri Rama Murty Kodukula Associate Professor & Head of the Department, Dept. of Electrical Engineering, IIT Hyderabad, NH 9, Kandi, TS-502285,hod_ee@iith.ac.in, ksrm@iith.ac.in Ph: +91 40 2301 6005 Cell:9989315776	Expert Member Nominated By Academic Council	Ksouly
5	Sri B.V. Subba Rao Hon'ble Dy.Project Director Indian Space Research Organization (ISRO) E Mail ID:bvsr.shar@gmail.com;bvsr@shar.gov.in	Expert Member from Industry	

6	Sri K. Dileep Kumar SCAFF Design Engineering ASTRIA Micro Systems Email: dileep.kemburu@gmail.com	Alumni
	Cell: 9032792784S	

	, ,		
S. No	Name of the Member	Nomination	Signature
7	Dr. A.S. Srinivasa Rao, Professor & Principal	Faculty Member	Acres
8	Dr. M. Jayamanmadha Rao, Professor & Assoc. DEAN - SA	Faculty Member	
9	Dr. B. Rama Rao, Professor & Asst. HOD	Faculty Member	8
10	Dr. G. Sateesh Kumar, Professor, ECE	Faculty Member	9-3
11	Dr. V. Ashok Kumar, Professor, ECE	Faculty Member	War.
12	Dr. M.N.V.S.S. Kumar, Assoc. Professor, ECE	Faculty Member	7
13	Dr. K. Chidambara Rao, Assoc. Professor, ECE	Faculty Member	Klevn
14	Sri P. Venkata Muralidhar, Assoc. Professor, ECE	Faculty Member	13.
15	Sri M.V.H.B. Murthy, Assoc. Professor, ECE	Faculty Member	91
16	Sri G.S.S.S.V.Krishna Mohan, Assoc. Professor, ECE	Faculty Member	ex.
17	Sri Ch. Rajashekara Rao, Assoc. Professor, ECE	Faculty Member	an
18	Sri V. Lokesh Raju, Assoc. Professor, ECE	Faculty Member	des
19	Sri M. S. R. Naidu, Assoc. Professor, ECE	Faculty Member	3
20	Smt. K. V. L. Bhavani, Assoc. Professor, ECE	Faculty Member	A
21	Sri D. Hari Hara Santhosh, Assoc. Professor, ECE	Faculty Member	Sam

Minutes of the 8th meeting of Board of Studies of ECE Department held on Monday i.e., 16th November, 2019

III-I Course Structure (AR-18)

Antennas and Wave Propagation

- 1) Add website links for units.
- 2) In Unit-V remove ground wave propagation, reduce Sky Wave Propagation and increase Space Wave Propagation topics. Also remove M-curves and duct propagation.
- 3) In Unit-IV add Impedance measurement, polarization measurements.
- 4) Remove reference book 2.

Control Systems

 In Unit-V add Optimal control Introduction to digital control systems, applications PLL in digital control systems. (2 hrs)

Digital Communication

1) Add new text books.

Linear and Digital IC Applications

1) In text books inter change 1 and 2.

Electronic Measurements and Instrumentation

- 1) In Unit-II add Network Analyzer.
- 2) In Unit-III remove sampling oscilloscope.

Computer Architecture & Organization

- In Unit-V add difference between normal computing system and embedded computing system.
- 2) Remove reference book 1.

Bio-Medical Instrumentation

1) In Unit-V add EMI effects.

Principles Of Communications

1) In Unit-II add basic block diagram of super heterodyne receiver, Capturing effect.

Digital Communications Lab

Add Experiments

- 1) Receiver characteristics.
- Spectra of PSK, ASK, QPSK.
- Eye Diagram

IC Applications Lab

- 1) Add Experiment Op amp characteristics.
- 2) In Experiment 5, add Astable Operation Circuit.
- 3) In Experiment 7, add Boolean functions.
- 4) Add Experiments

SR,JK,D,T flip-flops

Calendar counter

4 bit Shift register.

Note:

- 1. Where ever possible include MAT Lab programme books for all theory and lab courses.
- 2. For all subjects include latest version text books and references.

III-II Course Structure (AR-18)

Microprocessors and Microcontrollers

- In Unit-IV add Introduction to ARM processor, Architecture, RISC processor and remove others.
- 2) Swap Unit-III and Unit-IV.

Digital Signal Processing

- 1) Merge Unit-III and IV
- 2) In Unit-IV introduce weiner filter, matched filter and adaptive filter.

Optical Communications

- In Unit-IV add Components of optical fiber communication. Basic optical fiber networks, optical CDMA (May or may not removed)
- 2) In Unit-V add Wireless optical communication.(6 classes)
- 3) In Reference Books remove 1 and 4.

Introduction To Signal Processing

- In Unit-III add Applications of DSP in engineering (6 periods) and remove Fast Fourier Transform.
- 2) In Unit-V add Harmonic spectral analysis (MECH) Linear prediction(civil).
- 3) In Unit-V, IIR filter design may be removed

Fundamentals of Signals & Systems

1) In Unit-V add Laplace Transform, and Z – Transform.

Microprocessors and Microcontroller Lab

- 1) Part-II may be removed.
- 2) In Part-III add Interfacing with MIC.

Note:

- 1. Where ever possible include MAT Lab programme books for all theory and lab courses.
- 2. For all subjects include latest version text books and references.

EEE SUBJECTS

Communication Theory

- 1) Modify the syllabus according to the requirement of GATE exam.
- 2) In Unit-II remove Wide band FM
- Replace Content of Unit-V with POWER LINE COMMUNICATION contents and also add basics of noise.

Principles Of Pulse And Digital Circuits

- 1) In Unit-III and IV remove analysis part.
- 2) Add Anand Kumar Text Book.

IC Applications

1) In Unit-I Op-amp characteristics may be placed at beginning.

Microprocessors and Microcontroller Lab

1) Content same as ECE

Microprocessors and Microcontroller

1) Content same as ECE

Note:

- 1. Where ever possible include MAT Lab programme books for all theory and lab courses.
- 2. For all subjects include latest version text books and references.

BoS Chairman

Dept. of Electronics & Communication Engineering

Dept. of ECE
Aditya Institute of



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Date: 27.11.2020

9th Board of Studies Department of ECE Minutes of BOS meeting

Agenda:

1. To review the previous Minutes of the Meeting.

2. To discuss the Syllabus of AR 18 4th Year B. Tech.

3. To discuss and finalize the syllabus of Interdisciplinary Electives offered by ECE to other departments. Other Dept. (IE): 1. Basics of Mobile Communications

2. Introduction to Wireless Networks

(EEE/MECH/CIVIL)

(CSE/IT)

4. To discuss and finalize the Course structure and syllabus of AR-20 first year.

ECE: 1. Electronics-I

2. Electronics-I Lab

EEE: 1. Electronic Devices and Circuits

2. Electronic Devices and Circuits Lab

5. Any other points with the permission of the Chair.

Members Present (Online Meeting):

S.No	Name of the Member	Nomination	Signature
1	Dr.D. Yugandhar, Prof. & HOD, ECE	Chairman	D. Juje
2	Dr.Gottapu Sasi Bhushana Rao Senior Professor, Dept. of ECE, Andhra University, Visakhapatnam - 530 003 E-mail: sasi_gps@yahoo.co.in, sasigps@gmail.com Phone:0891-2503795 (R): 2844844 (Office): 98497 47131 (Cell)	Expert Member Nominated By University	-S o L-
3	Dr. Narasimha Sarma N. V. S. Director, IIIT Trichy Email: sarma@nitw.ac.in Cell: 8702462412	Expert Member Nominated By Academic Council	- Sd -
4	Dr. Sri Rama Murty Kodukula Associate Professor & Head of the Department, Dept. of Electrical Engineering, IIT Hyderabad, NH 9, Kandi, TS-502285,hod_ee@iith.ac.in, ksrm@iith.ac.in Ph: +91 40 2301 6005 Cell:9989315776	Expert Member Nominated By Academic Council	- Sd _
5	Sri B.V. Subba Rao Hon'ble Dy.Project Director Indian Space Research Organization (ISRO) E Mail ID:bvsr.shar@gmail.com;bvsr@shar.gov.in	Expert Member from Industry	

6	Sri K. Dileep Kumar SCAFF Design Engineering ASTRIA Micro Systems Email: dileep.kemburu@gmail.com	Alumni	- Sd -
	Cell: 9032792784S		

Signature of the members:

Sl. No.	Name of the staff	Designation	Signature
1.	Dr. A.S. SRINIVASA RAO	Prof. & Principal	ADAM_
2.	Dr. D. YUGANDHAR	Prof. & HOD	D. Jugar
3.	Dr. M. JAYAMANMADHA RAO	Prof. & Assoc. DEAN - SA	M
4.	Dr. B. RAMA RAO	Prof. & Asst. HOD	
5.	Dr. G. SATEESH KUMAR	Professor.	grand .
6.	Dr. V. ASHOK KUMAR	Professor.	Dav.
7.	Dr. M.V.H.B. MURTHY	Professor.	-
8.	Dr. M.N.V.S.S. KUMAR	Assoc. Prof.	T
9.	Dr. K. CHITAMBARA RAO	Assoc. Prof.	Klen n
10.	Dr. D. HARI HARA SANTHOSH	Assoc. Prof.	Egustoh
11.	Sri P. VENKATA MURALIDHAR	Assoc. Prof.	the r
12.	Dr. KRISHNA MOHAN G.S.S.S.S.V	Assoc. Prof.	es.
13.	Dr. Ch. RAJASHEKARA RAO	Assoc. Prof.	AH ,
14.	Dr. M. S. R. NAIDU	Assoc. Prof.	5.1
15.	Sri V. LOKESH RAJU	Assoc. Prof.	
16.	Smt. K. V. L. BHAVANI	Assoc. Prof.	46

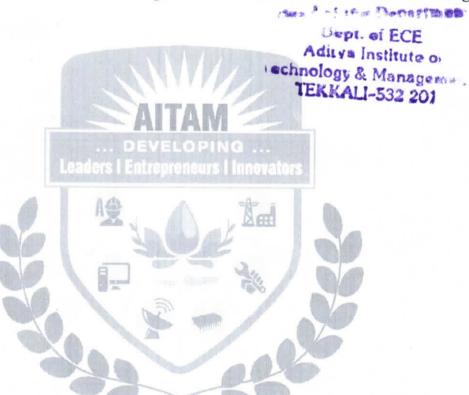
9th Board of Studies Department of ECE Minutes of BOS meeting

Minutes of the 9th meeting of Board of Studies of ECE Department held on Friday i.e. 27th November, 2020

- The course structure and syllabus of AR18 IV.B.Tech is reviewed and the following modifications are suggested.
 - Microwave Engineering :
 - i) In Unit I, remove TEM topic.
 - ii) In Unit V, add ATT devices IMPATT, TRAPATT.
 - iii) In Reference books add Microwave Engineering- Annapoorna das, Sisir K Das, Tata McGraw- Hill Education.
 - Change title from Wireless Communications to Wireless Communication Systems.
 - In Antennas and Microwave Engineering lab rename Circulator, Magic-T experiments as
 S parameters of Two port and Three port devices.
 - In Digital System Design Lab include experiment Barrel Shifter and 3 bit Multiplier.
 - Change title from Basics of mobile communications to Basics of mobile cellular communications.
 - In Unit V of Basics of mobile cellular communications add Introduction to 3G and 4G technologies and modify Corresponding CO.
 - In Radar Engineering remove Non –Coherent MTI Radar topic.
 - In Satellite Communication
 - Add the reference book Satellite Communication concepts and applications K.N.Rajarao, PHI Publications.
 - ii) Add some topics related to Communications.
 - Change title from Software defined Radio to Software Radio.
 In Software Radio interchange Unit III (Multirate signal processing) and Unit IV (Digital Generation of Signals).
 - Syllabus may be reorganized by internal BOS members according to student response for subsequent batches.

- 2. The course structure and syllabus of AR20 I B. Tech is reviewed and the following modifications are suggested.
 - Provide URL reference links at the end of each Unit for all courses.
 - · Remove internal & external marks in syllabus copy and insert L, T, P hours.

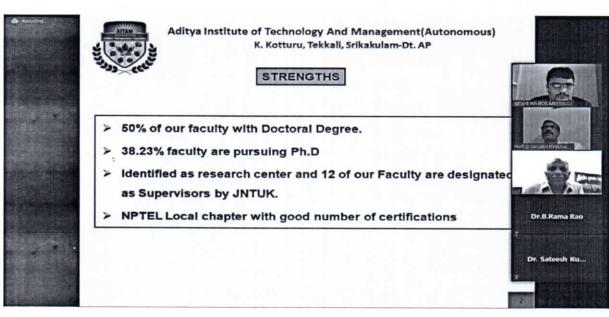
BoS Chairman
Dept. of Electronics & Communication Engineering

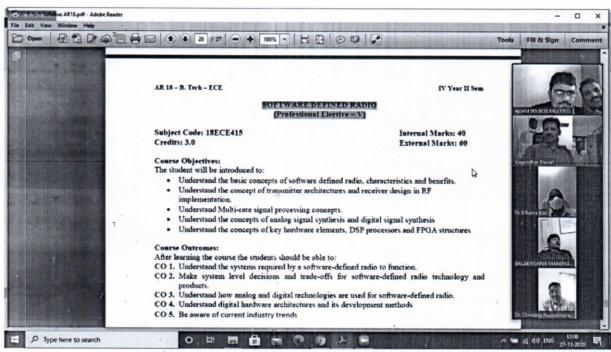




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9th Board of Studies(27-11-20)







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Date: 08.07.2021

10th Board of Studies Department of ECE Minutes of BOS meeting

Agenda:

To review the previous Minutes of the Meeting and to discuss and get approved the following points.

- 1. AR20 II B.Tech course structure and syllabus.
- 2. Interdisciplinary Electives syllabus offered by ECE to other departments.
 - i. Introduction to Electronic Measurements

(Except ECE)

- 3. Courses offered to CSE & IT
 - i. Digital Logic Design
 - ii. Digital Logic Design Lab
- 4. Honors Degree "Internet of Things"
 - i. Course structure
 - ii. Syllabus for course "Introduction to IoT in II-II Sem"
- 5. Any other points with the permission of the Chair.

Members Present (Online Meeting):

S.No	Name of the Member	Nomination	Signature
1	Dr. D. Yugandhar, Prof. & HOD, ECE	Chairman	D. Tys
2	Dr. Gottapu Sasi Bhushana Rao Senior Professor, Dept. of ECE, Andhra University, Visakhapatnam - 530 003 E-mail: sasi_gps@yahoo.co.in, sasigps@gmail.com Phone:0891-2503795 (R): 2844844 (Office): 98497 47131 (Cell)	Expert Member Nominated By University	- Sd-
3	Dr. Narasimha Sarma N. V. S. Director, IIIT Trichy Email: sarma@nitw.ac.in Cell: 8702462412	Expert Member Nominated By Academic Council	- Sd-
4	Dr. Sri Rama Murty Kodukula Associate Professor & Head of the Department, Dept. of Electrical Engineering, IIT Hyderabad, NH 9, Kandi, TS-502285,hod_ee@iith.ac.in, ksrm@iith.ac.in Ph: +91 40 2301 6005 Cell:9989315776	Expert Member Nominated By Academic Council	_
5	Sri B.V. Subba Rao Hon'ble Dy.Project Director Indian Space Research Organization (ISRO) E Mail ID:bvsr.shar@gmail.com;bvsr@shar.gov.in	Expert Member from Industry	-Sd-

6	Sri K. Dileep Kumar SCAFF Design Engineering ASTRIA Micro Systems Email: dileep.kemburu@gmail.com Cell: 9032792784S	Alumni	-Sd-
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Signature of the members:

Sl. No.	Name of the staff	Designation	Signature
1.	Dr. A.S. SRINIVASA RAO	Prof. & Principal	AS CS
2.	Dr. D. YUGANDHAR	Prof. & HOD	D. J. 129
3.	Dr. M. JAYAMANMADHA RAO	Prof. & Assoc. DEAN - SA	W.
4.	Dr. B. RAMA RAO	Prof. & Asst. HOD	
5.	Dr. G. SATEESH KUMAR	Professor.	
6.	Dr. V. ASHOK KUMAR	Professor.	Mon
7.	Dr. M.V.H.B. MURTHY	Professor.	77/
8.	Dr. Ch. RAJASHEKARA RAO	Professor.	Claredo
9.	Dr. K. CHITAMBARA RAO	Assoc.Prof.& Asst.HOD-Placements	Kleis
10.	Dr. M.N.V.S.S. KUMAR	Assoc. Prof.	7
11.	Dr. D. HARI HARA SANTHOSH	Assoc. Prof.	Conto
12.	Dr. KRISHNA MOHAN G.S.S.S.V	Assoc. Prof.	y rusy.
13.	Dr. M. S. R. NAIDU	Assoc. Prof.	JIL
14.	Dr. K. V. L. BHAVANI	Assoc. Prof.	X
15.	Sri P. VENKATA MURALIDHAR	Assoc. Prof.	13.0-1
16.	Sri V. LOKESH RAJU	Assoc. Prof.	dus

10th Board of Studies Department of ECE Minutes of BOS meeting

Minutes of the 10th meeting of Board of Studies of ECE Department held on Friday i.e. 08th July, 2021

The course structure and syllabus of AR20 II.B. Tech is reviewed and the following modifications are suggested.

- 1. Try to introduce Data structures course in place of Python Programming, and include Python Programming as a Skill Oriented Course.
- 2. Analog and Digital Communications (theory and lab) are basic courses try to offer them as separate courses.
- In Electronics-II course follow the sequence Unit-I (Single stage Amplifiers), Unit-II (Multistage Amplifiers) and Unit-III (Add RC & Wein bridge Oscillators using FET version), include classification of power amplifiers in Unit-V, also Provide web links which covers entire syllabus.
- 4. In Digital Electronics course include Quine mccluskey method.
- In Network Analysis course include LPF, HPF, Balanced and unbalanced networks, Reduce Resonance topics. Make D.C Transient Analysis and A.C Transient Analysis as one unit. From the text book Network lines and Fields – John. D. Ryder prepare one unit for the course.
- 6. Network Analysis course to be introduced in II-I semester instead of II-II semester.
- 7. In Pulse and Digital Circuits course include UJT Relaxation Oscillator circuit topic.
- 8. In Electro Magnetic Waves & Transmission lines course start with Transmission Lines-I& II as Unit-I &II, try to provide standard web links, include single stub and double stub matching topics.
- 9. Course structure for 3rd and final year is not prepared See that electronic subjects and Communication subjects have 50% weightage each in Core subjects.
- Web link for Digital logic design is given as a text book other than prescribed textbook or reference books.
- 11. Based on internal BoS committee recommendations the Honors Degree and Skill oriented courses may be revised /changed time to time.
- Skill oriented courses PLC & SCADA to be removed. New courses can be added and should be taught by the internal faculty itself.

BoS Chairman
Dept. of Electronics & Communication Engineering

Mead of the Department

Department of ECE

Mitya Institute of Technology and Management at

TEKKALI-532 201

BOS Department of CE



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Phones:+91 8945-245666,245266 E-Mail:aditya_tekkali@yahoo.com

Fax:08945-245266

Web:www.adityatekkali.edu.in

Date: 02.01.2016

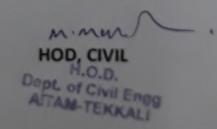
Minutes of the meeting of Board of Studies of Civil Department held at 10.00AM on Saturday, the 2nd Jan,2016 in the college campus

Agenda:

- 1. To discuss B.Tech Civil IV year syllabus of AR-13 regulations
- 2. To discuss 4year course structure of AR-16 regulations
- 3. To discuss B.Tech 1st & 2nd year syllabus of AR-16 regulations
- 4. To discuss M.Tech (Structural Engineering) syllabus of AR-16 regulations

Members Present:

SL. NO.	NOMINATION	MEMBER (2015-16)	Nomination	Signature
1.	Dr.M.Murali	Chairman	HOD	m. neur.
2.	Mr.Ch.Kannam Naidu	Member	Faculty	ching.
3.	Mr.S.Ramlal	Member	Faculty	Blube
4.	Mr.G.Gowrishankar Rao	Member	Faculty	A
5.	Mr Ch. Chandra Mouli	Member	Faculty	- 3h an
6.	Mr.Ch.V.Hanumantha Rao	Member	Faculty	-chithay
7.	Dr R. Pradeep Kumar Prof. in Civil Engg. (IIIT, HYD)	Member	Nominated by Academic council	Ramandala
8.	Dr.T.D.Gunneswara Rao Prof. in Civil Engg (NIT WARANGAL)	Member	Nominated by Academic council	Guns
9.	Dr K.Ramu Prof. in Civil Engg JNTUK	Member	Nominated by University	hey



Points discussed and resolved.

SUBJECTS(AR-16):

- 1. Members of BoS discussed and suggested that to change the title of the subject "Construction materials and management" to "Building materials and constructions" based on the syllabus topics. This subject should be shifted to 3rd semester from 1st semester.
- Members of BoS discussed and suggested that "Air pollution and control" (Generic course -3) should be considered as generic course - 1 instead of "Concrete Technology" and vice versa.
- 3. Members of BoS discussed and suggested that "Managerial Economics and Financial Analysis" subject of 4th semester should be shifted to 7th semester.
- 4. Members of BoS discussed and suggested that "Hydralics and Hydralic machinery" of subject 5th semester should be shifted to 4th semester.
- 5. Members of BoS discussed and suggested that "Geo Technical Engineering 1" of 6th semester should be shifted to 5th semester.
- 6. Members of BoS discussed and suggested that "Design of Steel structures" of 7th semester should be shifted to 6th semester. This subject should be renamed as "Design and drawing of steel structures" as "Drawing of steel structures lab" was removed.
- 7. Members of BoS discussed and suggested that "Computer Programming" subject of 3rd semester should shift to 1st semester.
- 8. Members of BoS discussed and suggested that "Advanced Structural Analysis (Elective-2)" of 7th semester should shift to 6th semester (Elective-1).
- 9. Members of BoS discussed and suggested that "Earth quake resistance design (Elective-2)" of 7th semester should be shifted to 8th semester(Elective-3) and vice versa.
- 10.Members of BoS discussed and suggested that "Pavement analysis and design (Generic Course-8) of 6th semester should shifted to 7th semester (Generic Course-10) in place of "Hydralic Structures and irrigation design and drawing" and vice versa.

LABS(AR-16):

- 11.Members of BoS discussed and suggested that to shift "Engineering workshop lab" of 1st semester to 3rd semester in place of "Computer programming lab" of 3rd semester and vice versa.
- 12. Members of BoS discussed and suggested that "Concrete Technology lab" of 4th semester should be shifted to 5th semester in place of "Computer aided engineering drawing practice lab" and vice versa.

- 13. Members of BoS discussed and suggested that "STAAD-Pro lab" of 6th semester should be renamed as "Software tools for structural engineering lab".
- 14.Members of BoS discussed and suggested that "MoF and Hydralic machinery lab" of 6th semester should be splitted into "Fluid Mechanics lab" and Hydralic machinery lab". "Fluid Mechanics lab" should be introduced in 4th semester. "Hydralic machinery lab" should replace "MoF and Hydralic machinery lab" in 6th semester.
- 15. Members of BoS discussed and suggested that "Advanced Engligh communication skills lab" of 3rd semester should be shifted to 4th semester.

SYLLABUS(AR-16):

- 16.Members of BoS discussed and suggested that 5th Unit of "Strength of Materials -1" of 3d semester should be changed to "Torsion of circular shafts and springs" subject in place of "Deflection of beams".
- 17. Members of BoS discussed and suggested that 3rd Unit of "Boundary layer theory" topic (Unit-3) of "Fluid Mechanics" subject(3rd semester) should be removed.
- 18. Members of BoS discussed and suggested that 1st and 2nd Units of "Engineering Geology" subject (Generic Course-2) should be combined as Unit-1 as "Geology of dams, reservoirs and tunnels" topics should be introduced as an additional Unit.
- 19. Members of BoS discussed and suggested that Two additional experiments namely "Electrical resistivity meter survey" and "Site visit for strike and dip observations" are to be introduced in "Engineering geology lab" of 3rd semester.
- 20. Members of BoS discussed and suggested that "Analysis pin jointed Plane Frames" should be introduced in "Structural Analysis-1" subject in place of "Moving loads and influence lines".
- 21.Members of BoS discussed and suggested that "Deflection of beams" should be introduced to "Strength of Materials=2" of 4th semester.
- 22. Members of BoS discussed and suggested that "Direct and bending stresses" topic should be introduced in subject "Strength of Materials-2" in place of "Analysis of pin jointed plane frames".
- 23. Members of BoS discussed and suggested that "NDT Tests" topic should introduced in the subject "Concrete Technology" (Generic course-1).
- 24. Members of BoS discussed and suggested that "Orientation of building according to sub bath" should be introduced in place of "CPM and PERT" because of its relevance.
- 25. Members of BoS discussed and suggested that 8 experiments should be introduced in "Fluid Mechanics Lab" namely Small orifice, Cylindrical

Mouthpiece, Convergent mouthpiece, Borda's mouthpiece, Venturi meter, Orifice meter, Flow nozzle meter, V-notch and Trapezoidal notch.

B.Tech Civil 4th year syllabus ART-13 regulation

AR-13 (Final year syllabus):

- 26.Members of BoS discussed and suggested that topic details should be mentioned in the subject "Estimation and quantity surveying (7th semester)" of AR-13 on par with AR-16 estimation subject.
- 27.Members of BoS discussed and suggested that 1st, 2nd and 3rd units pertaining to "Hydraulic Structures" of the subject "Hydraulic Structures and irrigation design and drawing "should be combined as 1st unit. Topics related to "Irrigation design and drawing" should be splitted into 2nd,3rd,4th and 5th units.
- 28. Members of BoS discussed and suggested that sequence of the experiments of "Geotechnical Engineering Lab" of 7th semester (AR-13) should be on par with "Geotechnical Engineering" theory subject.
- 29.Members of BoS discussed and suggested that "GIS applications for disasters like stampede, natural calamities" etc should be introduced in the subject "Remote sensing and GIS applications" of 7th semester (AR-13).

M.Tech Structural Engineering (AR-16):

- 30. subject title "Theory of Elasticity and Plasticity" of 1st semester M.Tech of AR-13 regulations should be renamed as Theory of Elasticity for AR-16 Regulations
- 31. "Matrix analysis of strictures" should be replaced "Finite element method" which in second semester of AR-13 regulations
- 32. "structural dynamics" should replace "Theory of plate and shells" of AR-13 and this "theory of plates and shells" subject should be moved to second semester for AR-16
- 33. "Bridge engineering" which was elective IV subject in AR-13 should interdicted as compulsory subject (in second semester only) for AR-16 Regulations
- 34. "Theory of plate and shells" (which was 1st semester of AR-13) should moved to second semester in place of " computer applications and CAD"
- 35. "structural dynamics and Earthquake resistance design" of AR-13 should split in to two subjects
 - 1. Structural dynamics (1st semester)
 - 2. Earthquake resistance design of building (2nd semester for AR-16)
- 36. "Repairs and rehabilitation of Concrete Stricture" (Elective –IV) should be introduced 2nd semester of AR-16 in place of "Bridge Engineering" (Elective –IV) of AR-13

37." Seismology", "Static analysis", "Ductile detailing and strengthening of structure etc. the topic should be included in "Earthquake resistant design of buildings" subject.

After detailed discussion among the BOS members based on the feedback by stakeholders and members of Academic Council, total 12 courses are introduced and approved. Out of 12 courses approved comprises 2 new courses, 7 electives courses and 3 courses are related to improve student Employability Skill development.

M. M Culi.

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI

Department of Civil Engineering

Date: 24.01.2017

List of External BoS Members for Autonomous to attend the BoS Meeting scheduled on 28th January 2017(Travel plan, accommodation required and incharge details)

S. No	Name of the External BOS Expert	Accommodation	Forward journey Details	Back ward journey Details
1	Dr K.Ramu Prof. in Civil Engg. JNTUK 08842300836,9848282931 kramujntu@gmail.com & kramujntu@hotmail.com	Not required	28/01/2017 from Kakinada at 5:00am	28/01/2017 from AITAM at 4:30pm to Kakinada
2	Dr K.Rajeswara Rao MVGR drkuppili@gmail.com 9948897356	Not required	28/01/2017 from Vizanagaram at 8:00am	28/01/2017 from AITAM at 4:30pm to Vizanagaram

Department In charge

Mr S.Ramlal

Mr S.Ramlal (9440109455)

HOD, CIVIL

H D. Civil Dept



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DEPARTMENT OF CIVIL ENGINEERING Minutes of the BOS meeting Dated: 28.01.2017

Agenda:

Approval of AR-16 3rd Year Syllabus of B.Tech. CIVIL Engineering.

Members Present:

Sl.No.	Name of the Faculty	Designation	Sign.
1	Dr.M.Murali	Professor & HOD, AITAM	n. mu
2	Dr.Ch.Kannam Naidu	Assoc. Professor, AITAM	-
3	Mr.S.Ramlal	Assoc. Professor, AITAM	Alexed
4	Dr.Ch.Vasudeva Rao	Assoc. Professor, AITAM	ChB
5	Mr.G.Gowrishankara Rao	Assoc. Professor, AITAM	An-
<u>6</u>	Mr.Ch.Chandramouli	Sr.Asst. Professor, AITAM	Zh Zh
7	Dr.K.Rajeswara Rao	Professor in MVGR, VZM	V02-
8	Dr.K.Ramu	Professor in JNTUK, Kakinada	Ale /

The draft syllabus is approved with the following modifications.

1. In Geo Technical Engineering-I (16CE3011). The topics should be elaborated for clear understanding for question paper setter. In Unit-2 (sub topic: Seepage thorough soils), the topics should be re arranged as "1-D and 2-D, flow nets, Characteristics & uses, quick sand condition and seepage through soils". In Unit-4 (sub topic: compaction), "laboratory compaction tests (heavy and light)" should be added. In Unit-4 (sub topic: consolidation), "determination of coefficient of consolidation from laboratory tests" must be added. "Fundamentals of soil mechanics by D.W.Taylor" should be added in the reference books. "Principles of Geo technical Engineering by B.N.Das" should be added in text books.

(Mr.Ch.Chandramouli)

(Mr.G.Gowrishankara Rao) (Dr.Ch.

(Dr.Ch.Kannam Naidu)

-Contd.



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//2//

- 2. In Structural Analysis-II (16CE3012). The topic "Slope deflection method" of Unit-2 should be shifted from Unit-2 to Unit-3. In Unit-5, the topics should re arranged as "Analysis of continues beams by stiffness methodssettlement of supports". "Statistical indeterminate structures by C.K.Wang" must be added in the list of text books. "Structural analysis by R.C.Hibbler "and "Basic structural analysis by Muttu & Janarthan" must be added in list of reference books.
- 3. In Design of Concrete Structures (16CE3013). Preparation of plates for the reinforcement detailing is not necessary to mention in note. The text books order should be re arranged as 1.P.C.Varghese 2.N.Krishnam Raju & R.N.Pranesh 3. N.C.Sinha & S.K.Roy 4.Unnikrishna. In reference books "Park & Pauley" should be mentioned first.
- 4. In Transportation Engineering-I (16CE3014), "Traffic regulation and management" should be shifted to Transportation Engineering-II (16CE4033). "Highway materials" should be added as Unit-3 & "Traffic Engineering" of Unit-3 should be placed in Unit-4.
- 5. In Concrete Technology (16CE3015), the text books list should be re arranged as "1.Neville 2.Santha Kumar ". "Micro structure of concrete by P.K.Mehata" should be added in reference books list.
- 6. In Design of Concrete Structures Lab(16CE3106), the title for all drawings should be as "reinforcement detailing of following for different types of loading". SP-34 of BIS must be shown as reference book.
- 7. In Transportation Engineering Lab (16CE3107), standard manuals should be mentioned in reference.
- 8. In Design & Drawing of Steel Structures (16CE3016), the term "Permissible stress" mentioned in Unit-1 & Unit-3 must be removed as per new code of BIS. "Design of Steel structures by Limit state method as per IS-800:2007, S.S.Bhavakatii" & "Steel Structures and Design and practices by N.Subramanya" should be included in list of text
- 9. In Water Resource Engineering (16CE3017), "Design of small dams by U.S.B.R.", "Hydrology Subramanya" & "Jayaram Reddy" should be added in references. "Water Resource Engineering by Arora" should be added in list of text books. "Hand book of applied Hydrology" should be in reference books. "Water Power Engineering by Barrows" must be deleted from list of books. The list of text books should be re arranged as "1. Garg 2. Punmia 3. Arora"
- 10. In Pre-Stressed Concrete (16CE3019), "Muttu & Janarthan" book must be added in reference books.
- 11. In Advanced Design of Concrete Structures (16CE3020), "Varghese" book must be deleted from list of reference books as it is already mentioned in text books.

12. In Ground Improvement Techniques (16CE3023), the sub topic: Grouting of Unit-1 must be shifted to Unit-3. The sub topic: Reinforced earth should be shifted to Unit-4.

(Mr.Ch.Chandramouli)

3/2 3/

(Mr.G.Gowrishankara Rao) (Dr.Ch.Vasudeva Rao) (Mr.S.Ramlal)

(Dr.Ch.Kannam Naidu)

M. Mar (Dr.M.Murali)

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Date: 30.06.2018

Department of Civil Engineering

Members of Board of Studies attendance sheet

SL. NO.	NOMINATION	MEMBER	Signature
1.	Chairman(HOD)	Dr. G.T Naidu	GITP-Nbargo
2.	Member from the Department	Mr.S.Ramlal	A
3.	ч	Dr Ch. Vasudeva Rao	Chr
4.	"	Mr.G.Gowrishankar Rao	A
5.	"	Dr.B.Visweswara Reddy	Borkow
5.	"	Mr B.Govinda Rajulu	Daniel
6.	Nominated by Academic Council	Dr G.Appa Rao Prof. in Civil Engg. (IIT, Madras)	garae
7.	a pr	Dr R. Pradeep Kumar Prof. in Civil Engg. (IIT, HYD)	
8.	"	Prof. G.V.R Srinivasa Rao Head of the Department in Civil Engg , AU	Pre-p
9.	Nominated from the industry	Tarun Kumar Singha Roy Asst. Vice President Shapcorgi Pallongi and Co-Ltd. Kolakata, India	1
10.	Nominated from the Student (ALUMNI)	Ms Sruthi Smitha Panda (13A51A1B6)	South Smithe pant

Department of Cavil Enga-AITAM, TEKKALI.



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<u>DEPARTMENT OF CIVIL ENGINEERING</u> <u>Minutes of the BOS meeting Dated:30.06.2018</u>

Agenda:

- 1. Approval of AR-16, 4th Year Syllabus of B. Tech. CIVIL Engineering.
- 2. Discussion on AR 18 Regulations, E. ech 1st year syllabus and any other points. Members Present:

Name of the Faculty	Designation	Sign.
Dr. G.T Naidu	Assoc. Professor & HOD, AITAM	G.T.P. Noud
Mr.S.Ramlal	Assoc. Professor, AITAM	(4)
Dr.Ch.Vasudeva Rao	Assoc. Professor, AITAM	Chr
Mr.G.Gowrishankara Rao	Assoc. Professor, AITAM	A
Dr.B.Visweswara Reddy	Asst. Professor, AITAM	Bullon
Mr B.Govinda Rajulu	Asst. Professor, AITAM	Duine,
Ms Sruthi Smitha Panda	Student (ALUMNI)	derthis on the B
Prof. G.V.R Srinivasa Rao	Head of the Department, AU, VSKP	Mr. T
Dr G.Appa Rao	Prof. in Civil Engg. (IIT, Madras)	Corra
	Dr. G.T Naidu Mr.S.Ramlal Dr.Ch.Vasudeva Rao Mr.G.Gowrishankara Rao Dr.B.Visweswara Reddy Mr B.Govinda Rajulu Ms Sruthi Smitha Panda Prof. G.V.R Srinivasa Rao	Dr. G.T Naidu Assoc. Professor & HOD, AITAM Mr.S.Ramlal Dr.Ch.Vasudeva Rao Mr.G.Gowrishankara Rao Dr.B.Visweswara Reddy Mr B.Govinda Rajulu Ms Sruthi Smitha Panda Prof. G.V.R Srinivasa Rao Assoc. Professor, AITAM Assoc. Professor, AITAM Assoc. Professor, AITAM Asst. Professor, AITAM Student (ALUMNI) Head of the Department, AU, VSKP

The draft syllabus is approved with the following modifications,

- 1. In Remote Sensing and GIS (16CE4025). The reference details should be started with title of the book, authors name, publisher, city, year.
- 2. In Geotechnical Engineering -II (16CE4026). It should have 3 lectures and 1 tutorial
- 3. In Managerial Economics & Financial Analysis (15HS4004).
- 4. In Estimation and Quantity Surveying (£5CE4027). The topics should be elaborated in Unit-II and III. Remove Unit-V details and add DER accounting and billing and introduction to Valuation of buildings
- 5. In Advanced Surveying (16CE4028, Elective II). The reference details should be started with title of the book, authors name, publisher name, city, year.
- 6. In Traffic Engineering (16CE4029, Elective II). Add one more textbook and referred the author name Khanna & Justo

(Mr. B. Govinda Rajulu)

(Dr. B. Wisweswara Reddy)

(Mr. G. Gowrishankara Rao)

(Dr. Ch. Vasudeva Rao)

Shith South part (Ms. Sruthi Smithal Panda) 8w -- N

Sr iivasa/Rao) (Dr. G.Appa Rao)

Email: info@adityatekkali.edu.in aditya_tekkali@yahoo.com



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- 7. In Water Resources System Planning and management (16CE4030, Elective II). Mention text book 1 200
- 8. In Advanced Water Resource Engineering (16CE4031, Elective II). Change the title to Irrigation
- 9. In Environmental Impact Assessment and Management (16CE4032, Elective II). Corrected the spellings of E-I-A to EIA, E I A to EIA and protocol to protocol
- 10. In Employability Skills text books are Emotional Intelligence by Daniel Gold and Working with Emotional intelligence by Daniel Gold
- 11. In Transportation Engineering -II (16CE4033), Reference books by Veera Raghavan.
- 12. In Air Quality Management (16CE4034). Change the title name to Air Pollution and Control and Convert Unit-V to Unit-III, Unit-III to Unit-IV, Unit-IV to Unit-V.
- 13. In Advanced Structural Design (16CE4035, Elective III). In Unit-I remove basic design principles, Unit-II Remove basic design principles and single cell, Unit-III Analysis of frame building for earth quake loads and changed the IS code 1893-2016, Introduce Bridge components and design of slab on tee beams by IRC loading in Unit-I, In unit-IV Yield line analysis of regular slabs is introduced. SS Bhavikatti is referred as the main text book.
- 14. In Ground Water Development and Management (16CE4036, Elective III). Unit-III title changed
- 15. Project management should be imposed to all the students of Civil Engineering as elective. The same has been incorporated as elective in IV-II subject Project Planning and Management
- 16. Geotechnical Engineering -II (16C 2026) has been slided in place of Environmental Engineering-II (16CE3018) and vice versa.



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Subject Code (PE-3)	Subject	
	RS&GIS	
	Earth quake resistant and design	
	Watershed Management	
	Environmental Impact Assessment	

IN YEAR - II Semester

Year/Sem.	Category	, Theory/Lab	L	T	P	C
IV B. Tech.	HSMC	MS & MEFA	3	0	0	3
	PC	Disaster Management	2	0	0	2
	PE-4	****Electi e****	3	0	0	3
(2 nd Sem)	Project	Internship				1.5
	Project	Project			14	7
		Total 4.6	8	0	14	16.5

Subject Code (PE-4)	Subject
	Ground Improvement Techniques
	Soil Dynamics and Machine Foundations
	Ground Water Development and Management
	Prefabricated structures

	L	T	P	С
Total	10,7	15	85	160

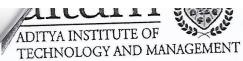
- 17. In AR18 Regulation they suggested to add one hour extra for CEM and reduce one hour for BEEE 18. The following titles of the subjects are changed:
 - Construction Engineering materials title changed to Building Materials
 - Introduction to FM is changed to Fluid Mechanics-I
 - Introduction to SOM-I is changed to MOS-I
 - SOM lab is changed to Strength of Materials lab
 - H&HM to Fluid Mechanics-II
 - · Introduction to SOM-II is changed to MOS-II
 - Structural Engineering to Structural analysis-I
 - Disaster preparedness and planning to Disaster management
- 19. Remove CPM and PERT from Building Planning and Drawing.
- 20. For BPD & CAEDP they suggested four hours and credits are reduced to 2 and 1 credit is added to CEM.



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21. They suggested 3 more electives Design and drawing of irrigation structure Pre stressed concrete, Environmental Impact Assessment, Prefabricated structures.

Any other Points

Introduction of 1 credit course in III semester for want of credit balancing to detained students of AR13 regulations (3 students Roll no: 15A51A0107, 15A51A0110, 15A51A0135) and fallen in to AR16 regulations.

The draft course syllabus for Course code: 16CE3203: Technical seminar on "NEW CONSTRUCTION MATERIALS is approved.

After detailed discussion among the BOS members based on the feedback by stakeholders and members of Academic Council, total 12 number of courses are introduced and approved. Out of 12 courses approved, 2 are new courses, 7 are electives and 3 are related to improve Employability/Entrepreneurship/Skill development.

> T. P. Nooud Dr.G.T.Naidu

Chairman (BOS) & HOD. Head of the Department partment of Civil Engineerin AITAM, TEKKALI.



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IV YEAR- II Semester

S. Subject			-	nn.	D	Marks		Credits
No.	code	Theory / Labs	LITE	P	Int	Ext	Creuns	
1	16CE4033	Transportation Engineering -II	3	-	-	30	70	3.0
2	16CE4034	Air Pollution Control	3	0		30	70	3.0
3	******	Elective III	3	-		30	70	3.0
4	16CE4203	Internship	-	-	-	25	50	1.0
5	16CE4204	Project		-	-	60	140	6.0
		Cotal Credits	9	0		175	400	16.0

Subject Code	Elective III	
16CE4035	Advanced Structural Design	
16CE4036	Ground Water Development and Management	
16CE4037	Ground Improvement Techniques	
16CE4038	Earthquake Resistant Design	
16CE4039	Pavement Analysis and Design	
16CE4040	Project Planning and Management	

LECTURE HOURS/WEEK L

TUTORIAL HOURS/WEEK

PRACTICAL HOURS/WEEK

ood

LK

Air Pollution Control

Subject Code: 16CE4034

Credits: 3.0

External Marks Internal Marks

COURSE OBJECTIVES:

- To explain about air pollution including Classification of sources.
- To analyze effects of air pollution and its effects on man, material and vegetation.
- To describe Ambient Air Quality Management and monitoring.
- To explain Control of particulates and equipment design.
- To explain about methods to Control of NO 2 and SO 2 emissions etc., and control measure

COURSE OUTCOMES:

- Explain about air pollution including Classification of sources.
- Analyze effects of air pollution and its effects on man, material and vegetation.
- Describe Ambient Air Quality Management and monitoring.
- Explain Control of particulates and equipment design
- Explain about methods to Control of NO 2 and SO 2 emissions etc., and control measures 119

Air Pollution-Definitions, Scope, Significance and Episodes, Air Pollutants - Measurement of Po Classifications - Natural and Artificial -Primary and Secondary, point and Non- Point, Line and Sources of air pollution- stationary and mobile sources.

UNIT- II

Effects of Air pollutants on man, material and vegetation: Global effects of air pollution - Green I effect, Heat Islands, Acid Rains, and Ozone Holes-Effects of art treasures.

Ambient Air Quality Management - Monitoring of SPM, SO; NO and CO Stack Monitoring for the gases - Micro meteorological monitoring Emission Standards.

UNIT-IV

Control of particulates -Control at Sources, Process Changes, Equipment modification operation of control, Equipment's - Settling Chambers, Centrifugal separators, Reverse F Fabric filters - Bag House, Dry and Wet scrubbers, Electrostatic precipitators.

UNIT- V

General Methods of Control of NO2 and SO2 emissions - In-plant Control Measures, process of and wet methods of removal and recycling.

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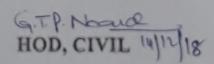
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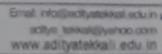
Date: 14.12.2018

Members of Board of Studies of Civil Engineering

SL. NO.	NOMINATION	MEMBER (2015-16)	Mobile Number	email
1.	Chairman(HOD)	Dr. G.T Naidu	9490753466	gtpnaaidu@gmail.com
2.	Member from the Department	Mr.S.Ramlal	9440109455	ramlalsurapu@gmail.co m
3.		Dr Ch. Vasudeva Rao	9948144658	chvrao3@refiimail.com
4.	66	Mr.G.Gowrishankar Rao	9441080446	gowri_sankar007@rediff .com
5.	"	Dr.B.Visweswara Reddy	9490314915	bvreddy7@gmail.com
5.	"	Mr B.Govinda Rajulu	8985407626	rajubadana@gmail.com
6.	Nominated by Academic Council	Dr G.Appa Rao Prof. in Civil Engg. (IIT, Madras)	+91 - 44 - 2257 4279	garao@iitm.ac.in
7.	"	Dr R. Pradeep Kumar Prof. in Civil Engg. (IIT, HYD)	9391131199 & +914066531000	ramancharla@iiit.ac.in
8.	Nominated by University	Prof. G.V.R Srinivasa Rao Head of the Department in Civil Engg, AU	9440070909 (Mobile) (0891) 2844788 (O) (0891) 2509157 (R)	gvrsrao@gmail.com gvrsrao@hotmail.com
9.	Nominated from the industry	Tarun Kumar Singha Roy Asst.Vice President Shapoorgi Pallongi and Co-Ltd. Kolakata, India	9874177918	tarunkumar.singharoy@gmai
10.	Nominated from the Student (ALUMNI)	Ms Sruthi Smitha Panda (13A51A1B6)	9392042182	sruthismitha.b6@gmail.c







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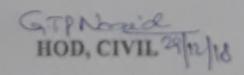
Date: 29.12.2018

Department of Civil Engineering

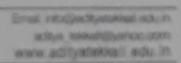
Board of Studies meeting held on 29.12.2018

Members Present:

SL. NO.	NOMINATION	MEMBER	Signature
1.	Chairman(HOD)	Dr. G.T Naidu	GTP. Noved
2.	Member from the Department	Mr.S.Ramlal	Chull
3.	66	Dr Ch. Vasudeva Rao	Chr
4.	66	Mr.G.Gowrishankar Rao	A Total
5.		Dr.B.Visweswara Reddy	Burlan
5.	ii.	Mr B.Govinda Rajulu	G.
6.	Nominated by Academic Council	Dr G.Appa Rao Prof. in Civil Engg. (IIT, Madras)	
7.	44	Dr R. Pradeep Kumar Prof. in Civil Engg. (IIT, HYD)	
8.	и	Prof. G.V.R Srinivasa Rao Head of the Department in Civil Engg, AU	
9.	Nominated from the industry	Tarun Kumar Singha Roy Asst.Vice President Shapoorgi Pallongi and Co-Ltd. Kolakata, India	
10.	Nominated from the Student (ALUMNI)	Ms Sruthi Smitha Panda (13A51A1B6)	











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29.12.2018

DEPARTMENT OF CIVIL ENGINEERING

MINUTES OF THE MEETING OF THE BOARD OF STUDIES HELD ON 29-12-2018 AT 10.30 A.M. IN THE COLLEGE CAMPUS.

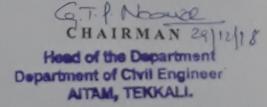
Agenda:

- 1. To review the previous Minutes of the Meeting.
- 2. To discuss the Syllabus of 2nd & 3r^d Year B.Tech (AR18) for the Academic Year 2019-20.
- 3. Any other points with the permission of the Chair.

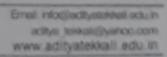
The following decisions were taken after detailed discussions among the members:

- 1. The members reviewed the previous minutes of the meeting and confirmed the same since no further comments were received.
- 2. The members discussed the Syllabus of the 2nd & 3r^d B.Tech. programmes (AR18) to be Implemented in the Academic Year 2019-20 and the same will be finalized in the next BoS meeting scheduled in the month of March/April 2019.

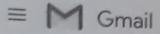
Meeting ended at 1.30 P.M. with vote of thanks by the Chair followed by lunch.











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HOD

Civil HoD

Dear Sir, It is to inform that as per the norms of AICTE, BoS has

Prof.Srinivasa Rao Gvr

to me

Approved With regards **GVR Srinivasa Rao**

No recent chats Start a new one Civil HoD hod.civil@adityatekkali.edu.in> to Prof.Srinivasa

Dear Sir, Thank you sir

Reply

Forward

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BoS meeting Inbox x

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Civil HoD

Snoozed

Dear Sir, It is to inform that as per the norms of AICTÉ, BoS has

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Prof.Srinivasa Rao Gvr

Approved With regards GVR Srinivasa Rao

NOD +

Civil HoD < hod.civil@adityatekkali.edu.in>

to Prof. Srinivasa

Dear Sir,

Thank you sir

No recent chats Start a new one

Reply

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Department Of Civil Engineering

Minutes of Board of studies 7th meeting of Civil Engineering Department held on 22nd March, 2019

External Members:

OLNI-	Name of the Member	Designation	Signature
Sl.No.	Dr G.Appa Rao	Prof. in Civil Engg. (IIT, Madras)	goods.
1.	Dr R. Pradeep Kumar	Prof. in Civil Engg. (IIT, HYD)	1
3	Prof. G.V.R Srinivasa Rao	Head of the Department , AU, VSKP	
4.	Tarun Kumar Singha Roy	Asst.Vice President Shapoorgi Pallongi and Co-Ltd. Kolakata, India	

Internal Members:

SI.No.	Name of the Faculty	Designation	Signature
	Dr. G.T Naidu	Professor & HOD, AITAM	GTP. Nous
	Mr.S.Ramlal	Assoc. Professor, AITAM	Aller
	Dr.Ch.Vasudeva Rao	Assoc. Professor, AITAM	Che
	Mr.G.Gowrisankara Rao	Assoc. Professor, AITAM	1,0
	Dr.B.Visweswara Reddy	Asst. Professor, AITAM	BULN
6	Mr B.Govinda Rajulu	Asst. Professor, AITAM	Chine.

Student Alumni:

Sl.No.	Name of the Faculty	Designation	Signature
	Is Sruthi Smitha Panda	Student (ALUMNI)	

Agenda:

- To discuss & finalize the AR-18 syllabus for II year B.Tech. (Civil engineering)
- To discuss & finalize the AR-19 course structure and syllabus for M. Tech. (Structural engineering)

Board of studies meeting is held on 22nd March 2019 at HOD's chamber of Civil Engineering department, AITAM. BoS External & Internal members are present at the meeting for finalizing the syllabus of AR-18 II year B.Tech. (Civil Engineering), AR-19 Course structure and syllabus for for (M.Tech. Structural engineering). Following suggestions are made during the meeting

Cont...



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AR-18 II year B.Tech. (Civil Engineering):

- Mechanics of solids-1,18CET203, suggested to add toughness topic in Unit-1, Bernouli's theory in Unit-3, add unsymmetrical bending in Unit-IV, replace book of author Beer and Johnson form references to text books and add text book of author Timoshenko.
- 2. Surveying and Geomatics, 18CET204 , suggested to incorporate introduction to GIS in Unit-5 and refer Surveying and leveling by R. Subramanian as text book.
- 3. Concrete Technology, 18CET205, suggested to add high strength and high performance concrete in Unit -S before light weight concrete, suggested to add NDT for Non destructive testing.
- 4. Strength of Materials lab, 18CEL202, suggested to mention tension test on mild steel and HYSD and add bending test on cantilever (steel) and determination of modulus of elasticity by conducting bending test on simply supported (wood), torsion test on mild steel bar, hardness test on steel, compression test on close coiled helical spring, compression test on wood and add compression test on brick for demonstration in lab, deflection test on fixed beam, shear test on wood, bending test on RS joist under UTM. Suggested to specify elements of experiment.
- 5. Concrete Technology Lab ,18CEL203, advised to specify Le Chaterlier's flask for specific gravity of coment and suggested to add determination of modulus of elasticity.
- 6. Engineering Geology ,18CET206, suggested to add Engineering geology by P.K. Mukharjee as first reference book.
- 7. Fluid Mechanics-II, 18CET207, suggested to change Unit -1 to Unit-5 and the other units are same in order.
- 8.Mechanics of Solids-II, 18CET208, suggested to change order of units i.e. add principal stresses and strains after thick and thin cylinders, In Unit-IV remove types of columns, Axially loaded compression members. Crushing load, theory of long columns, add secant formula after Euler's formula, remove Prof. Perry's formula-Laterally loaded struts subjected to uniformly distributed and concentrated loads- Maximum bending moment and stresses due to transverse lateral loading. In Unit-V add stresses in members subjected to eccentric loading, axial load and bending moment, add application to gravity dams and retaining walls, middle-third rule. Remove stability of dams ,retaining walls-Angle of repose-Rankine's theory of earth pressure surcharged retaining wall and add analysis of chimneys-masonry type. Replace book of author Beer and Johnson form references to text books and add text book of author Timoshenko.
- 9. Structural Analysis-II8CET209, advised to remove Introduction to Static and Kinematic indeterminacy of beams, frames, trusses in Unit -I, modify Clapeyron's three moments theorem and remove introduction in Unit-III, Remove General theorems, Theorems relating to elastic structures in Unit-IV, Remove principal of virtual work in Unit-V. Add text book of theory of structures by author Timoshenko and Remove Analysis of Structures by T.S. Thandavamoorthy.
- 10 Building planning and Drawing 18CEL204, suggested to denote bye laws as bye-laws, Add topic of building services after bye-laws in Unit-I.

Cont...



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AR-19 Course structure and syllabus for (M.Tech. Structural engineering):

In course structure:

- 1. Suggested to change title of Theory and Applications of Cement composites as Advanced Concrete Technology in I-I Elective-I.
- 2. Suggested to change title of Theory of Structural Stability to Stability of Structures in I-I Elective-I.
- 3. Advised to modify Advanced Concrete Lab to Advanced Concrete Technology Lab in I-I.
- 4. Suggested to modify Fracture Mechanics of Concrete Structures to Fracture Mechanics of Concrete in I-II Elective-5.
- 5. Suggested to remove Analysis of Laminated Composite Plates and add Pre-fabricated structures in I-II program elective-5
 - 6. Suggested to change title of FEM in Structural Engineering to Finite Element Analysis.
 - 7. Suggested to change title of Cost Management of Engineering Projects to Construction and project management in Open Elective.

In Syllabus:

- 1.Advanced Structural Analysis,19MSE1001, suggested to add Matrix Analysis of Frame Structures, Weaver and Gere and Computer Methods in Structural Analysis, MeekJ. L., E and FN, Span Publication in text books of order 1 and 2.Add text book of author Mallik and Gupta.
- 2.Advanced Solid Mechanics, 19MSE1002, suggested to change the order of text books, add Timoshenko at last.
- 3. 19MSE1003 2. Theory and Applications of Cement composites, suggested to change title as Advanced Concrete Technology, suggested to add design of precast, floating, fire resistance, special concrete, materials. Change syllabus from Unit-2 according to advanced concrete technology topics.3. Theory of Structural Stability, Change title to Stability of structures, modify beam columns as beam-columns.
- 4. 19MSE1004 2. Structural Health Monitoring, suggested to remove introduction in Unit-VI.
- 5. Structural Design Lab19MSE1101, suggested to modify one storey as design of single storey building, Drawing of structures by AutoCAD and conventional method, details as detailing and suggested to add raft foundation.
- 6. Advanced Concrete Lab, 19MSE1102, suggested to modify Advanced Concrete Lab to Advanced Concrete Technology Lab, Modify Study of stress strain curve of High strength concrete as study stress strain response of high strength concrete. Modify Effect of Cyclic loading on steel as Understanding cyclic loading effect on steel, Remove torsion and aggregate impact and crushing values test.
- 7. FEM in Structural Engineering19MSE1005, suggested to change title of FEM in Structural Engineering to Finite Element Analysis, suggested to add reference book of author R.D.Cook.

Cont...



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 19MSE1007 1. Advanced Steel Design, remove introduction in Unit-I and change title as Limit analysis. Include shape factor in plastic analysis in Unit-III.

3. Design of High Rise Structures, Remove introduction and add Wind loads on structures.

4. Design of Masonry Structures, Add IS CODE on masonry structures.

9. 19MSE1008, 1. Design of Advanced Concrete Structures, Remove introduction in units and add short term and long term deflections of beams in Unit-2.Modify Redistribution of Moments as Moment redistribution and include IS CODE provisions. Add strut and tie mechanism in Unit-4. Change Reinforcement detailing in structural concrete members as yield line theory of RC slabs which includes analysis and design of regular slabs, yield line pattern of irregular slabs .Add design of corbels in Unit-4.Add reinforced concrete design text book by C.K.Wang. Change "Reinforced Concrete Design" S. Unnikrishna Pillai &Devdas Menon in references. Include IS-13920 code.

2. Advanced Design of Foundations, Add pile cap design in Unit-III, . Analytical and Computer Methods in Foundation, Bowels as first text book.

3. Soil Structure Interaction, Modify soil structure as soil-structure.

4.Design of Industrial Structure, Modify Design of Steel Structures, Subramanian as first text book.

10.19MSE1009, 1. Design of Prestressed Concrete Structures, suggested to add principles of prestressing-pre tensioning and post-tensioning, remove advantages and limitations, Include IS-1343 provisions, suggested to remove Methods and Systems of Prestressing in Unit-1,Modify Analysis of sections for flexure as Analysis of flexural members in Unit-III, Modify Design of Sections for Flexure and Shear as Design for flexure and shear in Unit-IV. Mention IS-1343 Method for each unit. Remove introduction and Differential shrinkage in Unit-5 and add short term and long term deflections of uncracked members. In Unit-6 suggested to modify primary and secondary moments. Prestressed Concrete by Krishna Raju-4TH EDITION.CODE:IS-1343.

2. Analysis of Laminated Composite Plates, suggested to remove this subject and add

earthquake resistant design subject.

3. Fracture Mechanics of Concrete Structures, suggested to add damage tolerance analysis, fracture at atomic level, bond strength and bond energy and remove Basic Fracture Mechanics, Crack in a Structure, Mechanisms of Fracture and Crack Growth in Unit-1,Add analysis of members for discontinuities (Inglis approach) in Unit-3.In Unit-4 suggested to add Dugdale plastic zone and modify CMD as CMOD.In Unit-5 add reasons for fractures process zone, modeling, fictitious crack model, crack band model, two parameter fracture model, effective crack model and size effect model and remove other topics. In Unit-6 suggested to modified as applications to RC dams, linear and non-linear modeling of concrete and remove other topics. Elementary Engineering Fracture Mechanics, BroekDavid as first text book, Fracture Mechanics of Concrete by Shah.

G.T. P. Nowd Chairman

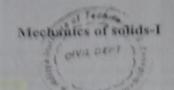
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Email: info@adifyatekkali.edurin* adifya_tekkali@yahoo.com www.adifyatekkali.edu.in AR-18 - B. Tech - Civil

Subject Code: 18CET203 : 0,1 (2L: 1T: 0P)



II year I Sem

External Marks: 60 Internal Marks: 40

COURSE OBJECTIVES:

a to study the simple stresses & strains and stress-strain diagram of mild steel.

- a to study the shear force and bending moments of the Simply supported, cantilever and over hanging beams for the loads of point load, UDL and UVL
- a to stuck the flexural stresses which include bending equation, section modulus of rectangle, circular and I sections, composite sections.
- to study the derivation of shear stress formula and shear stress distribution across various sections include rectangle, circular and I sections.
- to study the torsion of circular shafts which include, Assumptions made in the theory of pure torsion, derivation of torsion equation, torsion moment of resistance, polar section modulus, power transmitted by shafts, combined bending, torsion and end thrust, design of shafts according to theories of failure.

COURSE OUTCOMES:

- Summarize and analyze simple stresses & strains of ductile materials.
- Determine the shear force and bending moments of the Simply supported, cantilever and over hanging beams under various loads.
- Assess the flexural stresses of various cross sections using simple bending theory.
- Assess the shear stresses of various cross sections.
- Describe and analyze torsion of circular shafts.

UNIT-1

Simple stresses and strains

Blasticity and plasticity - Types of stresses and strains - Hooke's law - stress - strain diagram for mild steel - Working stress - Factor of safety - Lateral strain, Poisson's ratio and volumetric strain - Elastic moduli nd the relationship between them - Bars of varying section - composite bars - Temperature stresses, Resilience - Gradual, sudden, impact and shock loadings -, proof resilience

UNIT-H

Shear force and bending moment

Definition of beam -Types of supports - Types of beams - Concept of shear force(S.F.) and bending moment (B.M.) - S.F and B.M diagrams for cantilever, simply supported and overhanging beams subjected to point loads, UDL, uniformly varying loads and combination of

these loads - Point of contra flexure - Relation between S.F., B.M and rate of loading at a section of a

UNIT-III

Flexural stresses:

Theory of simple bending - Assumptions - Derivation of bending equation - Neutral axis - Determination sending stresses - section modulus of rectangular, circular sections (Solid and Hollow), I, T and Channel

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AR-18 - B. Tech - Civil

UNIT-IV

Derivation of formula - shear stress distribution across various beam sections like rectangular, circular,

triangular, I, T and H sections, Shear center for different sections, unsymmetrical bending,

Theory of pure torsion - Assumptions made in the theory of pure torsion- Derivation of Torsion equation-Torsion moment of resistance - Polar section modulus - Power transmitted by shafts - Combined bending, torsion and end thrust - Design of shafts according to theories of failure

Introduction- Types of springs-Deflection of close and open coiled helical springs under axial pull and axial couple-Springs in series and parallel-Carriage of leaf springs

- 1. Introduction to text book of Strength of materials by R.K.Bansal Laxmi publications Pvt. Ltd., New
- 2. Mechanics of Solid, by Ferdinandp Beer and others Tata Mc. Grawhill Publications, 2000. 3. Introduction to text book of Strength of Material by U.C. Jindal, Galgotia publications.
- 4.Strength of materials by R. Subramanian, Oxford university press, New Delhi
- 5. Strength of materials Elementary Theory and Problems Vol. I by Timoshenko.

Reference Books:

- 1. Strength of Materials by Schaum's out line series Mc. Grawhill International Editions.
- 2. Strength of Materials by S. Ramakrishna and R. Narayan Dhanpat Rai publications.
- 3. Strength of materials by R.K.Rajput, S.Chand & Co, New Delhi.
- 4. Strength of Materials by A.R.Basu, Dhanpat Rai & Co, Nai Sarah, New Delhi.
- 5. Strength of Materials by L.S.Srinath et al., Macmillan India Ltd., Delhi.
- 6. Strength of Materials by Bhavi Katti.

CO-PO, PSO Mapping

PSO1 PSO2 PSO3 PO12 PO9 PO10 PO11 PO5 PO6 PO7 PO8 PO2 PO3 PO4 MOS-I PO1 3 2 COI 3 3 3 3 3 3 2 CO2 3 3 3 3 3 3 3 3 2 CO₃ 3 3 3 3 3 3 3 3 2 CO4 3 2 CO5

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Date: 16.11.2019

DEPARTMENT OF CIVIL ENGINEERING

Members of Board of Studies Attendance Sheet

SLNo	NOMINATION	MEMBER	Signamre
1.	Cheirman (HoD)	Mr. S. Ramlal	Greek.
2	Member from the Department	Dr.B.Visweswara Reddy	BURN
3.	41	Dr.Ch.Vasudeva Rao	cin
4	15	Dr V.Sowjanya Vani	Us-yei
5	44	Mr.G.Gowrisankara Rao	- Ato-
6	**	Mr. B. Govinda Rajulu	-0
7	Nominated by Acamic Council	Dr. G.Appa Rao Prof. in Civil Engg. (IIT, Madras)	esono
8	«	Dr R. Pradeep Kumar Prof. in Civil Engg. (IIT, HYD)	
9	44	Prof. G.V.R Srinivasa Rao Head of the Department , AU, VSKP	Jerch
10	Nominated from the Industry	Tarun Kumar Singha Roy Asst.Vice President ShapoorgiPallongi and Co-Ltd. Kolakata, India	
11	Nominated from the Student (ALUMNI)	Ms Gunta. Prasanthi (14A51A0137)	GIR

Head of the Department Department of Civil Engineering. ATTAM, TEKKALL

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DEPARTMENT OF CIVIL ENGINEERING

Minutes of Board of studies 8th meeting of Civil Engineering Department held on 16th November, 2019

Members Present:

Sl.No.	Name of the Member	Designation	Signature
1.	Mr. S. Ramlal	Assoc. Professor & HOD, AITAM	Burn
2.	Dr.B.Visweswara Reddy	Assoc. Professor, AITAM	Button
3.	Dr.Ch.Vasudeva Rao	Assoc. Professor, AITAM	ch
4.	Dr V.Sowjanya Vani	Assoc. Professor, AITAM	18.2. Nom
5	Mr.G.Gowrisankara Rao	Assoc. Professor, AITAM	Car
	Mr. B. Govinda Rajulu	Asst. Professor, AITAM	1
	Ms Gunta. Prasanthi	Student (ALUMNI)	55
8	Dr. G.Appa Rao	Prof. in Civil Engg. (IIT, Madras)	1-0000
9	Dr R. Pradeep Kumar	Prof. in Civil Engg. (IIT, HYD)	100
10	Prof. G.V.R Srinivasa Rao	Head of the Department, AU, VSKP	1 peril
11	Tarun Kumar Singha Roy	Asst.Vice President ShapoorgiPallongi and Co-Ltd. Kolakata, India	1 -

Agenda:

 To discuss & finalize the AR-18 syllabus and Course Structure for III and IV year B.Tech. and Amendment of Course Structure (Civil engineering).

Board of studies meeting is held on 16th November 2019 at HoD's chamber of Civil Engineering department, AITAM. BoS External & Internal members are present at the meeting for finalizing the AR-18 syllabus and Course Structure for III and IV year B.Tech., and Amendment of Course Structure (Civil engineering) and the following suggestions are made during the meeting.

AR-18 III year B. Tech. (Civil Engineering):

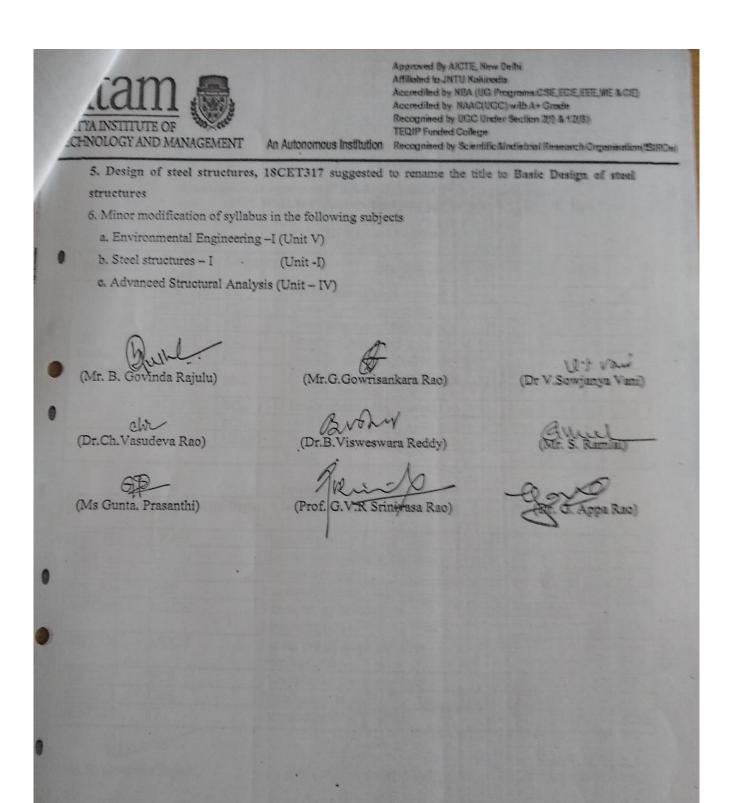
- 1. Interchange of Environmental Engineering -I and Transportation Engineering-I III/I and IV/I.
- 2. Minor Project -I shifted from III/I to III/II
- 3. Minor Project -II shifted from III/II toVI/I
- 4.Design of Concrete Structures 18CET314, suggested to rename the title to Basic Reinforced Concrete Design
- 4. Fundamentals of building planning 18IET322, suggested to rename the title to Elements of building planning



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reved by AICTE, New Delhi Mileled to JNTU Kakinsda Accreciated by MSA (UG Programs GSE, EGE, EEE, ME & CE) Accreciated by MAAG(UGC) with A+ Grade Recognised by UCC Under Section 2() & 12(8) TEQUP Funded College

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Amendment & Approval of AR-18 B. Tech. CIVIL Engineering III I, III II & IV/L Semester Course Structure.

III YEAR - I Semester

Year Sem.	Subject Code	Category	Theory Lab	L	T		C
	18CET310	PC	Environmental Engineering-I	2	1	0	3
	18CET311	PC	Georgehnical Engineering-I	3	0	0	3
	18CET312	PC	Water Resources Engineering	3	0	0	3
m B	18CET313	PC	Structural Analysis-II	3	0	0	3
	18CET314	PC	Basic Reinforced Concrete Elements	3	0	0	3
Tech. (1 st Sem)	18IET322		Elements of Building Planning	1,	10	10	2
ir count	18IET323	IE-2	Remote Sensing				-
	18CEP301	PCL	Environmental Engineering Lab	0	10	3	1.5
	18CEL307	PCL	GTE LAB	0	0	3	1.5
		HSMC	Professional communication Skills Lab	0	0	3	1.5
	101101001	HONG	Total	16	1	9	21.

		Interdisciplinary Elective - 2	
Subject Code	Offered by Dept.		Offered for Dept.
18IET321	BS&H	Fundamentals of Fuzzy Logic	All
ISIET322	CIVIL	Elements of Building Planning	MECH
18IET323	CIVIL	Remote Sensing	ECE/EEE/CSE/TT
	EEE	Renewable energy sources	ECE MECH CIVIL/CSE/IT
18IET324 18IET325	MECH	Principles of Mechanical Measurements	ECE EEE CIVIL
18IET326	MECH	Linear programming and its Applications	CSEIT
OREST 207	ECE	Principles of communications	EEE/MECH/CIVIL/CSE/TT
101011		Introduction to JAVA	ECE/EEE/MECH/CIVIL
18IET328 18IET329	CSE IT	Introduction to PYTHON	ECE EEE MECH CIVIL/CSE

(Mr. B. Govinda Rajulu)

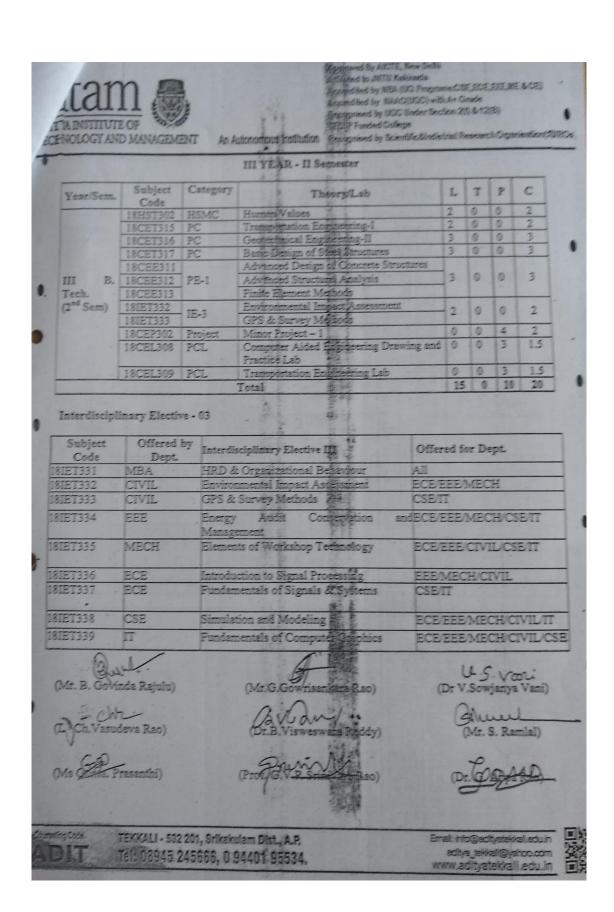
(Dr.Ch. Vasudeva Rao)

(Mr.G. Gowrisankara Rao)

(Dr.B. Visweswara Reddy)

(Dr V.Sowjanya Vani)

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IV YEAR - I Semester

Year/Sem.	Subject Code	Category	Theory/Lab	L	T	P	С
	18CET418	PC	Estimation, Costing and Quantity Surveying	2	1	0	3
	18CEE414		Transportation Engineering-II (Railway, Airport and Docks and Harbors	3	0	0	3
	18CEE415		Pavement Analysis and design				
	18CEE416	PE-2	Design and drawing of irrigation structures				
	18CEE417		Pre stressed concrete				
	18CEE418		RS & GIS	3	0	0	3
IV B.	18CEE419	PE-3	Earthquake Resistant and Design				
(1 st Sem)	18CEE420		Watershed Management		-		
(I Selli)	18CEE421		Environmental Impact Assessment				
	18CET419		Environmental Engineering - II	3	0	0	3
	18IET444	IE-4	Geographical Information Systems (Offered for ECE/EEE/MECH/ CSE/IT)	2	0	0	2
	18HSL406	Project	Employability Skills	0	0	3	1.5
	18CEL410	PCL	Geographical Information System and Computer Aided Design lab	0	0	3	1.5
	18CEL411	Project	Minor Project – 2	0	0	6	3
			Total	13	1	12	20.0

(Mr. B. Govinda Rajulu)

(Dr.Ch.Vasudeva Rao)

(Ms Gunta, Prasarithi)

(Mr.G.Gowrisankara Rao)

(Dr.B. Visweswara Reddy)

(Prof. G V.R Sriniyasa Rao)

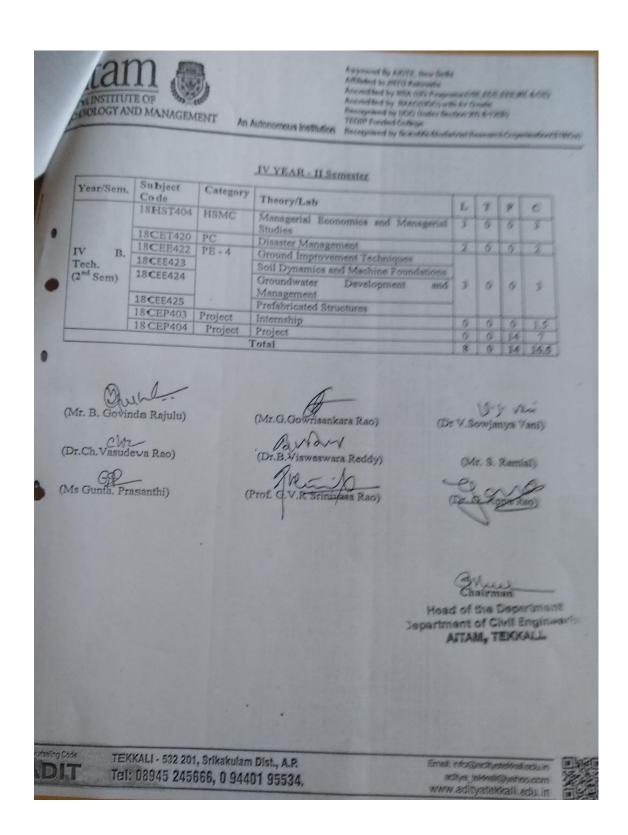
U.S. Vari (Dr V.Sowjanya Vani)

Ir. S. Ramlal)

Counseling Code

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AR - 18

COURSE STRUCTURE
AND
DETAILED SYLLABUS,
(III-I, III-II Sem. Syllabus)



For

B. TECH. FOUR YEARS DEGREE PROGRAMME

(Applicable for the batches admitted from 2019-20)



ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (AUTONOMOUS)

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K. Kotturu, TEKKALI-532 201, Srikakulam, Andhra Pradesh

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III YEAR - I Semester

Yes#/Sem.	Subject Code	Category	Theory/Lab	L	Т	P	Ċ
	18CET310	PC	Environmental Engineering-I	2	1	0	3
	18CET311	PC	Geotechnical Engineering-I	3	0	0	3
	18CET312	PC	Water Resources Engineering	3	0	0	3
m B.	18CET313	PC	Structural Analysis-II	3	0	0	3
Tech.	18CET314	PC	Basic Reinforced Concrete Elements	3	0	0	3
Tech.	18IET322 18IET323_	IE-2	Elements of Building Planning Remote Sensing	_ 2	0	0	2
	18CEP301	PCL	Environmental Engineering Lab	0	0	3	1.5
	18CEL307	PCL	GTE LAB	0	0	3	1.5
	18HSL302	HSMC	Professional communication Skills Lab	0	0	3	1.5
			Total	16	1	9	21.

Interdisciplinary Elective - 2

Subject Code	O ffered by Dept.	Interdisciplinary Elective – H	Offered for Dept.
18IET321	BS&H	Fundamentals of Fuzzy Logic	All
18IET322	CIVIL	Elements of Building Planning	MECH
18IET323	CIVIL	Remote Sensing	ECE/EEE/CSE/IT
18IET324	EEE	Renewable energy sources	ECE/MECH/CIVIL/CSE/I
18IET325	ME CH	Principles of Mechanical Measurements	ECE/EEE/CIVIL
1,8IET326	MECH	Linear programming and its Applications	CSE/IT
18IET327	ECE	Principles of communications	EEE/MECH/CIVIL/CSE/I
18IET328	CSIE.	Introduction to JAVA	ECE/EEE/MECH/CIVIL
18IET329	IT	Introduction to PYTHON	ECE/EEE/MECH/CIVIL/ CSE

Head of the Department
Department of Civil Engineering
AITAM, TEKKALL.

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Date: 01.12.2020

DEPARTMENT OF CIVIL ENGINEERING

Minutes of 9th Board of studies meeting of Civil Engineering Department held on 01st December, 2020

Members Present:

Sl.No.	Name of the Member	Designation	Signature
1.	Dr. V. Chitti Babu	Professor & HoD, AITAM	V. Cuith
2.	Dr. P. Dinakar	Professor, AITAM	Dinebu
3.	Mr. S. Ramlal	Assoc. Professor, AITAM	Elias
4.	Dr.B.Visweswara Reddy	Assoc. Professor, AITAM	Bulant
5	Dr.Ch.Vasudeva Rao	Assoc. Professor, AITAM	Our
6	Dr V.Sowjanya Vani	Assoc. Professor, AITAM	lh/a
7	Mr.G.Gowrisankara Rao	Assoc. Professor, AITAM	A No. No.
8	Dr. M. Balendra Mouli	Asst. Professor, AITAM	N (Phila)
9	Mr. B. Govinda Rajulu	Asst. Professor, AITAM	Quen
10	Mr. T. Gnanananda Rao	Asst. Professor, AITAM	Harry
11	Ms Gunta. Prasanthi	Student (ALUMNI)	
12	Dr. G.Appa Rao	Prof. of Civil Engg. IIT Madras	
13	Dr R. Pradeep Kumar	Prof.of Civil Engg. IIT HYDERABAD	403
14	Prof. G.V.R Srinivasa Rao	Prof &Head, Civil Engg, AUCE, VSKP	

Agenda:

- To discuss & finalize IV year B.Tech AR-18 syllabus
- Course structure of AR-20
- Course contents of First year AR 20 core Civil Engineering courses.

Board of studies meeting is held on 1st December 2020 through online. BoS External & Internal members are present at the meeting for finalizing the AR-18 syllabus for IV year B.Tech., Course structure for AR-20 and course contents of first year Civil Engineering core courses. The following suggestions are made during the meeting.

- BIM contents to be included in unit V of Estimation, Costing and Quantity Surveying
- 1 or 2 days workshop should be conducted on BIM for students
- In Transporting Engineering –II course bullet trains, signaling and communication, flight radar, airport automation topics are to be incorporated
- Topic headings should be kept bold in each and every unit
- Uniformity in format of references should be maintained for all courses

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AR-20 course structure course titles for Second, Third and Final year B. Tech. has to be drafted meticulously and is to be approved in next immediate BoS meeting

- Care should be taken so that core part of civil engineering is not compromised in the framework of AR-20 course structure
- Core courses of Civil Engineering need to be incorporated in first three years of B.Tech. in AR20 course structure in view of GATE examination.
- AR-18 course contents are approved with the modifications mentioned in these minutes.
- AR-20 course structure and AR-20 course contents of first year core civil engineering courses are approved.

(Mr. T. Gnananada Rao)

(Mr. B. Govinda Rajulu)

(Dr. Balendra Mouli)

(Mr.G.Gowrisankara Rao)

(Dr V.Sowjanya Vani)

(Dr.Ch.Vasudeva Rao)

(Dr.B. Visweswara Reddy)

(Mr. S. Ramlal)

Chairman, BoS.

Head of the Caperimen

repartment of Carl Linguage an AITAM, TEKKALI.



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IV YEAR - I Semester

Year/Sem.	Subject Code	Category	Theory/Lab	L	T	P	С
	18CET418	PC	Estimation , Costing and Quantity Surveying	2	1	0	3
	18CEE414		Transportation Engineering-II (Railway, Airport and Docks and Harbors	3	0	0	3
	18CEE415	DE 0	Pavement Analysis and Design				
	18CEE416	PE-2	Design and drawing of irrigation			ľ	
			structures		1		
	18CEE417		Pre stressed concrete structures				
IV B.	`	0					
Tech.	18CEE418		Remote Sensing and GIS	3	0	0	3
(1 st Sem)	18CEE419	PE-3	Earthquake Resistant Design of				
(1 5011)		PE-3	Structures				
	18CEE420		Watershed Management				
	18CEE421	1	Environmental Impact Assessment				
	18CET419	PC	Environmental Engineering - II	3	0	0	3
-	XXXX	IE – 4	Interdisciplinary Elective -4	2'	0	0	2
	18HSL406	Project	Employability Skills	0	0	3	1.5
	18CEL410	PCL	Geographical Information System and Computer Aided Design lab	0	0	3	1.5
	18CEL411	Project	Minor Project – 2	0	0	6	3
Total	1	J		13	1	12	20.0

Interdisciplinary Elective – 4

iterdisciplinar Subject Code	-	Interdisciplinary Elective – II	Offered for Dept.				
	by Dept.						
18IET441	MBA	Project Management	ECE/EEE/CIVIL/CSE/IT				
18IET442	MBA	Industrial Engineering and Management	MECH				
18IET443	MBA	Entrepreneurial Development	ECE/EEE/MECH/ CIVIL/ CSE/IT				
18IET444	CIVIL	Geographical Information System	ECE/EEE/MECH/ CSE/IT				
18IET445	EEE	Power quality management	ECE/MECH/ CIVIL/CSE/IT				
18IET446	MECH	Fundamentals of ROBOTICS	ECE/EEE/ CIVIL/CSE/IT				
18IET447	ECE	Basics of Mobile Communications	EEE/MECH/ CIVIL				
18IET448	ECE	Introduction to Wireless Networks	CSE/IT				
18IET449	CSE	Introduction to Cloud Computing	ECE/EEE/MECH/ CIVIL/IT				
18IET44A	IT	Introduction to DBMS	ECE/EEE/MECH/ CIVIL				
18IET44B	IT	Embedded Systems	CSE				



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(Mr. T. Gnananada Rao)

(Mr. B. Govinda Rajulu)

(Dr. Balendra Mouli)

(Mr.G.Gowrisankara Rao)

(Dr V.Sowjanya Vani)

(Dr.Ch.Vasudeva Rao)

(Dr.B. Visweswara Reddy)

(Mr. S. Ramlal)

(Dr. P. Dinakar)

(Dr. V. Chitti Babu) Chairman, BoS.

Heed of the Department

repartment of Civil tingues was



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IV YEAR - II Semester

Year/Sem.	Subject Code	Category	Theory/Lab	L	Т	P	C
	18HST404	HSMC	Managerial Economics and Managerial Studies	3	0	0	3
	18CET420	PC	Disaster Management	2	0	0	2
IV B.	18CEE422	PE - 4	Ground Improvement Techniques				
IV B. Tech.	18CEE423		Soil Dynamics and Machine Foundations				,
(2 nd Sem)	18CEE424		Groundwater Development and Management	3	0	0	3
	18CEE425		Prefabricated Structures				
	18CEP403	Project	Internship	0	0	0	1.5
2010	18CEP404	Project	Project	0	0	14	7
Total	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0			8	0	14	16.5

(Mr. T. Gnananada Rao)

(Mr. B. Govinda Rajulu)

(Dr. Balendra Mouli)

(Mr.G.Gowrisankara Rao)

(Dr V.Sowjanya Vani)

(Dr.Ch.Vasudeva Rao)

(Dr.B. Visweswara Reddy)

(Dr. V. Chitti Babu)

Chairman, Bos.

department of Civil Engineer to a

AITAM, TEKKALL



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AR-20

I YEAR - I Semester

Year/Sem.	Category	Code	Theory/Lab	L	T	P	C
2 00027 2 0222	MC	20MCT101	Induction Program	3	wee	ks	0
	HSSC	20HST101	English	3	0	0	3
	BSC	20BST101	Linear Algebra and Calculus	2	1	0	3
	BSC	20BST106	Engineering Physics	3	0	0	3
IB. Tech.	ESC	20ES101	Basic Electrical Engineering	3	0	0	3
(1st Sem)	ESC	20ESL102	Workshop and Manufacturing practice	1	0	4	3
	HSSC	20HSL101	Language Proficiency Lab	0	0	3	1.5
	BSC	20BSL101	Physics Lab	0	0	3	1.5
	ESC	20ESL101	Basic Electrical Engineering Lab	0	0	3_	1.5
			Total	12	1	13	19.5

(Mr. T. Mananada Rao)

(Mr. B. Govinda Rajulu)

(Dr. Balendra Mouli)

(Mr.G.Gowrisankara Rao)

(Dr V.Sowjanya Vani)

chr (Dr.Ch.Vasudeva Rao)

(Dr.B. Visweswara Reddy)

(Mr. S. Ramlal)

(Dr. P. Dinakar)

(Dr. V. Chitti Babu)

Chairman, BoS.

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AR-20

I YEAR - II Semester

Year/Sem.	Category	Code	Theory/Lab	L	T	P	C
I B. Tech. (2 nd Sem)	MC	20MCT102	Environmental Science	2	0	0	0
	BSC	20BST102	Differential Equations .	2	1	0	3
	BSC	20BST107	Chemistry	3	0	0	3
	PC	20CET101	Surveying and Geomatics	3	0	0	3
	ESC	20ESI102	Programming for Problem Solving	3	0	3	4.5
	ESC	20ESL103	Engineering Graphics & Design	1	0	4	3
	BSC	20BSL102	Chemistry Lab	0	0	3	1.5
	PC	20CEL101	Surveying Lab – 1	0	0	3	1.5
Total				14	1	13	19.5

(Mr. T. Gnananada Rao)

(Mr. B. Govinda Rajulu)

(Dr. Balendra Mouli)

(Mr.G.Gowrisankara Rao)

(Dr V.Sowjanya Vani)

Chr (Dr.Ch.Vasudeva Rao)

(Dr.B. Visweswara Reddy)

(Dr. P. Dinakar)

V. Cirthabl (Dr. V. Chitti Babu)

Chairman, BoS. Head of the Departmen

repartment of Civa Engineer va AITAM, TEKKALL

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LES

HOD Civil < hod.civil@adityatekkali.edu.in>

Confirmation of minutes of 9th BoS meeting through online

Apparao G <parao@iitm.ac.in>
To: Civil HoD <hod.civil@adiyatekkali.edu.in>

Wed Dec 2, 2020 at 11:48 AN

Fine sir.

Thanks,

APPA RAO

Dr. G. Appa Rae
Professor and Head of Structural Engineering Laboratory
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai 600036, Tamilnadu, INDIA.
Ph. +91-44-22574279, Mobile. +91-9444047421.

From: Civil HoD https://doi.org/10.1016/j.civiin-Sent: Wednesday, December 2, 2020 11:01 AM
To: Apparao C; Ramancharla Pradeep Kumar; Prof Srinivesa Rao Cvr; gyrsrao@hotmail.com
Subject: Confirmation of minutes of 9th BoS meeting through online

[Danied text Names]

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07/01/2021

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Mail-Confirmation of minutes of 9th BoS meeting/throughoutine



NOD Civil chod civil@adityatekkali edu in>

Confirmation of minutes of 9th BoS meeting through online

Fri, Dec 4, 2020 at 11:07 AM Fradeep Kumar <ramancharla@lit.ac.in>
Fri, Dec 4, 2020 at 11:07 AM Fri, De

Dear Prof. Chitti Babu,

Minutes are OK to me.

regards, Pradeep

From: Civil HoD < hod.civil@aditystekklail.edu.in>
Sent: Wedresday, December 2, 2020 11:01 AM
lo: Apparao G <pgarao@illm.ac.in>; Ramancharia Pradeep Kumar < ramancharia@illt.ac.in>; Prot.Srinwasa Rao Gyr < gyrsrao@gmail.com>; gyrsrao@hotmail.com
<pgyrsrao@hotmail.com>
Subject: Confirmation of minutes of 9th BoS meeting through online

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HOD Civil shud.civil@adityatekkali.edu.in>

Confirmation of minutes of 9th BoS meeting through online

Prasanthi Gunta prasanthi19973@gmail.com>
To: Civil HoD <ncd.civil@adityaletkali.edu.in>

Sat, Dec 5, 2020 at 9:20 PM

Here I confirmed the minutes of the BOS meeting held on 01-12-2020.

Thanking you sir [Cuoled text hidden]

https://mail.google.com/mail/u/27ix=83f48750428view=pt&search=all&permmsgid=msg-f%3A1885253880584579656&singl=msg-f%3A188525390584579656

Chairman, BoS.
Head of the Department of Chairman and Cha

BOS Department of BS&H

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DEPARTMENT OF ENGLISH

Minutes of the Meeting of Board of Studies (English) held at 02.30 PM on 30-11-2020 (Monday) in the college premises through ZOOM platform.

Agenda:

- :-English (theory) and To finalize Objectives, Syllabus and Outcomes of AR20 for I B.Tech Language Proficiency Lab
- **=**: Professional Communication Skills Lab To finalize Objectives, Syllabus and Outcomes of AR20 for III B. Tech.

Members Present:

						1	_
	6	S	4	ω	2	-	S.No.
	D. Kanta Rao	M. Papi Naidų	Dr. P. Prasantham	Dr. Punyashree Panda	Dr. G. Suvarna Lakshi	Prof. K. Sree Ramesh	Name of the Member
1	D	Action	The state of the s		mi	h	nber
Srikakulam	Asst. Professor of English,	Asst. Professor of English AITAM, Tekkali, SKLM	Assoc. Professor of English AITAM, Tekkali, SKLM	Asst. Professor of English IIIT-Bhubaneswar, Odisha	Assoc. Professor of English EFL University, Hyderabad	Professor of English Adikayi Nannaya University Rajamahendravaram, AP	Designation
13/2 P	1 90	(mar)	(a-property				Signature

Resolutions:

- :-retaining most portion of the syllabus of AR18 for AR20 Regulations. members of Aditya Institute of Technology and Management, Tekkali for s:

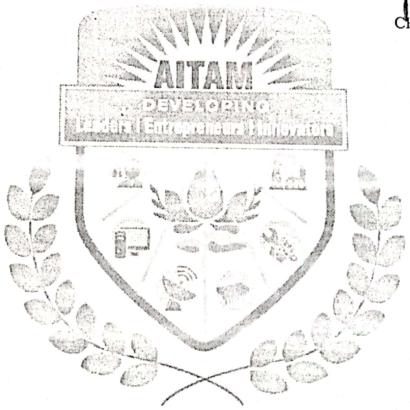
 External BoS members agreed with the decision made by internal faculty
- **=**: 6th unit, External BoS members suggested to consider the works / writings of Thomas King, Margaret Atwood, Vandana Shiva's Staying Alive: Women, Comprehension in the examination. For the selection of text / lesson for the syllabus. But an unseen passage should be given as a question on Reading North-Eastern Writings may be given a thought for the inclusion in the Environment / Women's Rights / Dalit Rights / Feminism / Eco-feminism / exercise on reading comprehension of the same unit. A text related to fictional or a non-fictional text may be chosen as this could do justice for the of two in the theory course of English. For the 6th Unit, instead of poem, a Ecology, and Development, Maya Angelou, External BoS members suggested that one poem could be sufficient instead Anthology of Writings From North-East India: Fiction, Rachel Carson's Tilottoma Misra's The Oxford

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- iii. With regard to Language Proficiency Lab of I B. Tech., External BoS members suggested to record oral performance of the students during lab / viva to make more sense, if possible. Recording could also be used as a documentary proof for oral examination. More weightage is to be given for oral test rather than the written examination for the lab courses.
- iv. Regarding Professional Communication Skill Lab of III B.Tech., one of the External BoS members suggested introducing Gender-Neutral language in the syllabus if possible.



MAIRMAN



Approval

Ramesh Kottl <ramesh.khottl@fulbrightmail.org> To: prasantham23032015@gmail.com 11 December 2020 at 18:47

Dear Dr. Prasantham and team, I approve the syllabus with all the suggestions incorporated. regards,

Sent from my iPhone



AITAM - Approval of AR20 Syllabus of English (theory & labs)

suvarna laks <suvarna1974@yahoo.com>

11 December 2020 at 11:48

Reply-To: suvarna laks <suvarna1974@yahoo.com>

To: "Dr. P. Prasantham" crasantham23032015@gmail.com>, Ramesh Kotti <ramesh.khotti@fulbrightmail.org>, nurucac@gmail.com, ppanda@litbbs.ac.in, punyashreepanda@gmail.com

Dear Dr. Prasantham and team

Thank you for incorporating the changes suggested in the BoS meeting. I approve the new syllabus.

Best wishes Suvarna

Sent from Yahoo Mail on Android

On Wed, 9 Dec 2020 at 8:16 pm, Dr. P. Prasantham antham23032015@gmail.com> wrote: [Quoted text hidden]



AITAM - Approval of AR20 Syllabus of English (theory & labs)

10 December 2020 at 16:09

Dear Dr Prasantham,

This is to approve the aforementioned course changes

Best regards,

Dr. Punyashree Panda
Assistant Professor of English
School of Humanities, Social Sciences and Management
Room no 504
Fifth Floor
Main Administrative Building
IIT Bhubaneswar
IIT Bhubaneswar at Argul
Jatni Road
Argul-752050
Odisha
India
email: punyashreepanda@gmail.com

[Quoted text hidden]



AR20

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI

(An Autonomous Institution)

ENGLISH

CSE / IT / CE / ME — I B. Tech. SEM-I ECE / EEE — I B.Tech. SEM-II

Subject Code: 20HST101

Credits : 03

External Marks: 60 Internal Marks: 40

Course Objectives

To enable students build vocabulary appropriate to their levels and to make students understand printed texts of different genres

To enhance basic writing skills of the students in different forms of written communication

To assist students implicitly synthesize the rules of grammar for the production of accurate

• To help students learn rules of using punctuation marks and prepositions appropriately in writing

To aid students acquire appropriate and adequate letter writing skills

To get students develop reading skills and enhance their essay writing skills

Course Outcomes

)

- Students will be able to comprehend printed texts of different genres more easily and they will be able to make appropriate word choice.
- Students will be able to write short texts masterly.

Students will be able to construct grammatically correct sentences.

Students will be able to use punctuation marks and prepositions correctly in speech and

Students will be able to communicate through letters and emails effectively.

Students will be able to comprehend unfamiliar passages, and will be able to write essays.

Course Syllabus

Unit-I: Father's Help by R K Narayan

Synonyms and Antonyms — One-word substitutes

Unit-II: My Early Days by A P J Abdul Kalam

Tense—Voice — If clauses

Unit-III: The Road Not Taken by Robert Frost

Reported Speech—Degrees of Comparison — Simple, Compound, Complex Sentences

Unit-IV: Politics and the English Language by George Orwell

Punctuation —Prepositions

Unit-V: Mother's Day by J. B. Priestly Letter Writing — E-mail Writing

Unit-VI: Chipko Movement

Reading Comprehension—Essay Writing

Suggested Readings:

On Writing Well. William Zinsser. Harper Resource Book. 2001 Practical English Usage. Michael Swan. Oxford University Press. 1995. Study Writing. Liz Hamp-Lyons and Ben Heasly. Cambridge University Press. 2006. Hugging the Trees: The Story of the Chipko Movement. Thomas Weber. Viking Publishers, New Delhi, 1988.

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI

(An Autonomous Institution)

LANGUAGE PROFICIENCY LAB

CSE / IT / CE / ME — I B.Tech. SEM-I ECE / EEE — ï B.Tech. SEM-II

Subject Code: 20HSL101

Credits : 1.5

External Marks: 60 Internal Marks: 40

Course Objectives 3

- > To enable students develop neutralized accent
- > To assist students utter words intelligibly
- > To enhance the ability of students to speak spontaneously
- > To help students converse aptly as the context demands
- > To get students acquire perceptive abilities in professional conversations
- > To aid students grasp and interpret information provided in graphs and tables

Course Outcomes

- > Students will be able to recognize differences among various accents and speak with neutralized accent.
- > Students will be able to pronounce words accurately with the knowledge of speech sounds and use appropriate rhythm and intonation patterns in speech.
- > Students will be able to speak extemporaneously about anything in general.
- > Students will be able to generate dialogues for various situations.
- > Students will be able to present posters perceptively and concisely.
- > Students will be able to comprehend and interpret data provided in graphs and tables.

Course Syllabus

Unit I: Listening, Comprehension of Audio and Video clips of different accents

Unit II: Pronunciation—Intonation—Stress—Rhythm

Unit III: JAM - Narration of an Event

Unit IV: Situational Dialogues Unit V: Poster Presentation

Unit VI: Interpretation of Data in Graphs and Tables

Suggested Readings:

Communication Skills. Sanjay Kumar and Pushpa Lata. OUP. 2011.

Practical English Usage. Michael Swan. OUP. 1995.

Speak Well. K. Nirupa Rani. Orient Blackswan, Hyderabad. 2012.

Strengthen Your Communication Skills. M. Hari Prasad. Maruthi Publications, Hyd. 2014.

Strengthen Your Steps. M. Hari Prasad. Maruthi Publications, Hyderabad. 2012.

Technical Communication. Meenakshi and Sangeetha. OUP. New Delhi. 2013.

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI PROFESSIONAL COMMUNICATION SKILLS LAB

ECE / EEE — III B.Tech. SEM-I

Subject Code: 20HSL302

CSE/TT/CE/ME — III B.Tech. SEM-II Credits : 1.5

Course Objectives

External Marks: 60 Internal Marks: 46

- > To provide students with a wide range of vocabulary to enable them to take language tests for higher education and employment
- > To assist students acquire effective and adequate presentation skills
- > To get students learn to collect comprehensive data for a project report > To help students master techniques of being successful in group discussions
- > To improve communication skills of students by making them participate in different
- > To prepare students for facing interviews self-assuredly

Course Outcomes

- > Students will be able to state meanings, synonyms, antonyms, analogies, idioms, phrases, one-word substitutes, word roots, prefixes and suffixes for words in general.
- > Students will be able to present and interpret data on select topics using pre-existing slides.
- > Students will be able to collect data extensively on a social issue and make it public for the sake of enlightening populace.
- > Students will be able to contribute proactively and extrapolate in group discussions.
- > Students will be able to make impromptu speeches.
- > Students will be able to prepare Job Application and Résumé / CV of their own, and face interviews confidently.

Course Syllabus

Unit I: Classified Vocabulary

Unit II: Power Point Presentation

Unit III: Project Reports on Social Issues

Unit IV: Group Discussion

Unit V: Debate

Unit VI: Job Application and Résumé / CV Writing-Mock Interviews

Suggested Readings:

Advanced Communication Skills Lab. Version 1.0 (Software). K-VAN Solutions Pvt. Ltd. Communication Skills. Sanjay Kumar and Pushpa Lata. Oxford University Press. 2011. Speak Well. K. Nirupa Rani. Orient Blackswan, Hyderabad. 2012.

Strengthen Your Communication Skills. M. Hari Prasad. Maruthi Publications, Hyd. 2014. Strengthen Your Steps. M. Hari Prasad. Maruthi Publications, Hyderabad. 2012. Technical Communication. Meenakshi and Sangeetha. OUP. New Delhi. 2013.



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Accredited by NBA (UG Pregrams CSE, ECE, EEE, ME & GE)
Accredited by NAAC(UGC) with A+ Crede
Recognised by UGC Under Section 2(f) & 12(B)
TEQIP Funded College
Recognised by Scientific & India trial Research Organisation (SIROs)

Minutes of the 1st Meeting (AR20 Regulation) of Board of studies of Mathematics Department held at 2.30 p.m on 28th November, 2020 in online mode through zoom platform.

Agenda:

- 1. To discuss the 1st year Course Structure of B.Tech.
- 2. To discuss the mathematics Syllabus of 1st B.Tech.
- 3. Any other points with the permission of the chair.

Members of BoS fo: Mathematics:

SI.No	No Name of the Member		ination	Signature
1	Dr.Ramana Murthy J V Professor in Mathematics, Department of Mathematics, NIT, Warangal, Email: jvr@nitw.ac.in, Phone: 8332969449.	by Council	Academic	
2	Dr.S.K.Vali, Professor in Mathematics, Department of Mathematics JNTUK,Vizianagaram Email:vali.maths@jntucev.ac.in Phone:9440320423	by Council	Academic	
3	Dr.Santhi Sundar Raj, Professor in Mathematics, Department of Engineering Mathematics A.U.En gineering Col ege, Visakhapatnam. Email:s inthisundarraj@yahoo.com Phone: \$440697270	by Council	Academic	
4	Dr.G.Vasanti, Professor In Mathematics HOD, BS&H Department AITAM, Tekkali			Gi voen
5	Dr.Santi Kumar Rajamahanthi Professor In Mathematics BS&H Department AITAM, Tekkali			day

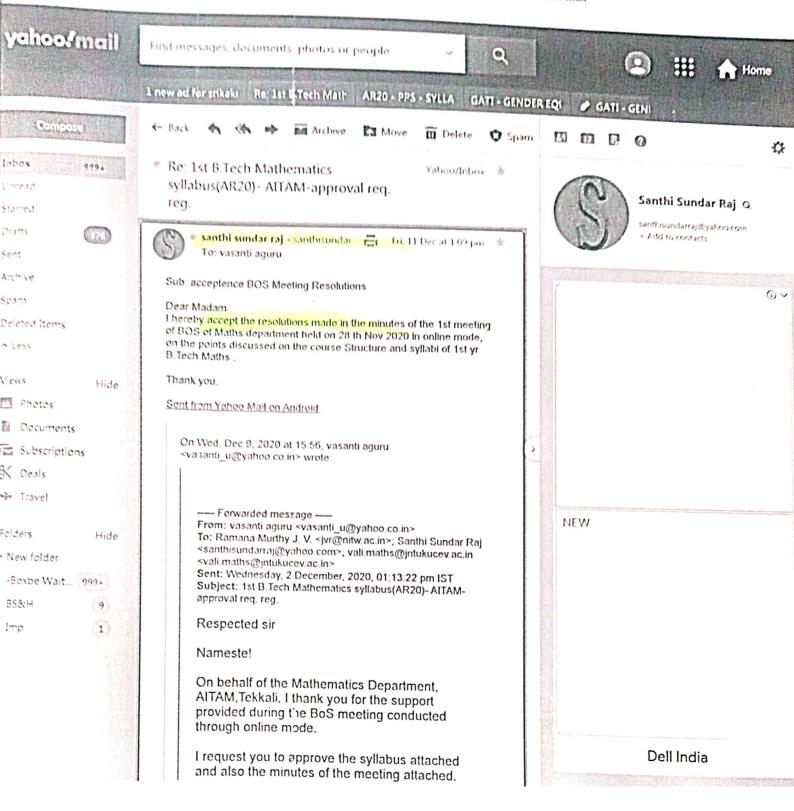
		and the second s	
5	Dr.A.Laxmana Rao Professor In Mathematics BS&H Department AITAM, Tekkali		My
6	DrM.V.Ratna mani, Associate Professor In Mathematics BS&H Department AITAM, Tekkali		Pari

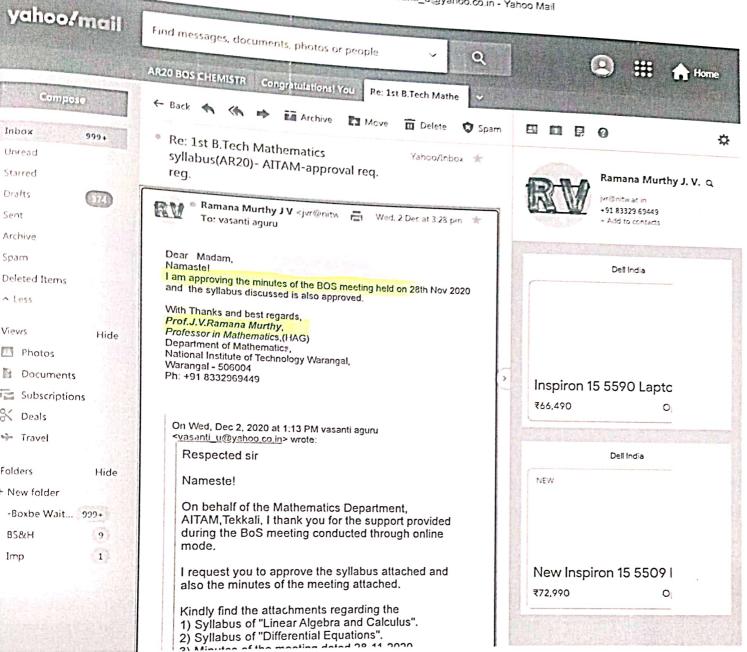
Points discussed and resolved:

BoS Chairman of Mathematics Department addressed the gathering of all members of the BoS, presented the Course structure and syllabi of 1st year B. Tech Mathematics courses offered. After a detail discussion at the board through online mode the members of BoS of Mathematics have resolved the following:

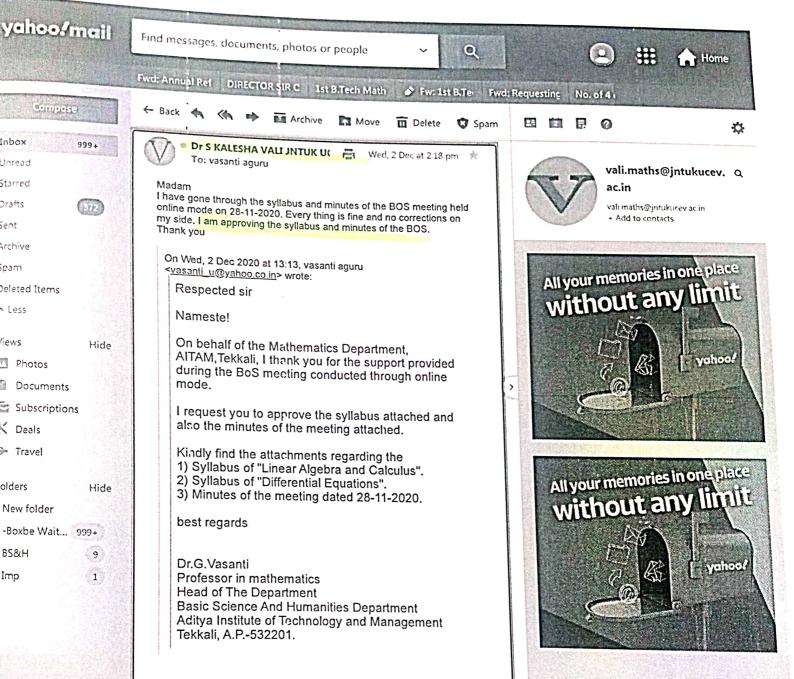
- 1. The syllabus of "Linear Algebra and Calculus" offered to 1st semester B. Tech of all branches has been verified. The approved syllabus is enclosed.
- 2. The syllabus of "Differential Equations" offered to 2nd semester B.Tech of all branches has been verified. The approved syllabus is enclosed.

(Dr. G. Vasanti)





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Linear Algebra and Calculus (Common to All)

20BST101

Course Objectives:

Credits 3

- Understand the process of calculation of rank, solution of System of Linear Homogeneous and Non Homogeneous equations by Gauss Elimination method.
- Learn the process of calculating the Eigen values, Eigenvectors and Quadratic Forms.

Understand the concepts of multiple integrals and their usage.

- Learn the properties of Gamma and Beta Functions, their relation and evaluation of improper
- Understand the concepts of gradient, divergence, curl of scalar and vector point functions.
- Understand and calculate Line Integral, Surface Integral, Volume Integral, concepts of Green's, Stokes and Gauss Divergence theorems in converting one integral form to another

Course Outcomes: The student will be able to:

- Calculate the rank and solve linear homogeneous and non homogeneous equations by Gauss Elimination method.
- Calculate eigen values, eigen vectors and estimate the nature of the matrix..
- Evaluate multiple integral in both Cartesian and polar coordinates.
- Apply Beta and Gamma functions to solve improper integrals.
- Calculate gradient, divergence, curl of a scalar and vector point functions and derive vector identities.
- Solve a Line Integral, Surface Integral, Volume Integral, apply Green's, Stokes and Gauss Divergence theorems in converting one integral form to another.

UNIT-I: Linear System of Equations (8 hrs)

Matrices - Rank- echelon form - Normal form - System of Linear Homogeneous and Non Homogeneous equations - Gauss Elimination method- Applications- Matrix representation for a Graph- Current in an electrical circuit.

UNIT-II: Eigen Values, Eigen Vectors, Quadratic Forms (8 hrs)

Eigen values - Eigenvectors - Properties (an over view)- Diagonalization- Quadratic Forms- Reduction of Quadratic Forms to Canonical Form- Rank-Nature-Index-Signature.

UNIT-III: Multiple Integrals (8 hrs)

Double integral (Cartesian and polar form) -Change of order of integration -Change of variables (Cartesian to polar)- Triple integrals - Change of variables (Cartesian to spherical/cylindrical).

UNIT-IV: Special functions: (8 hrs)

Gamma and Beta Functions - Properties - Relation between Beta and Gamma functions-Evaluation of improper integrals.

UNIT-V: Vector Differential Calculus (8 hrs)

Scalar and Vector point functions- Vector differentiation - Directional derivatives -Gradient, Curl and Divergence- Vector identities.

UNIT-VI: Vector Integral Calculus (8 hrs)

Vector Integration -Line Integral, Surface Integral, Volume Integral - Green Theorem, Stokes Theorem and Gauss Divergence theorem (without proofs with simple illustrations only).

Suggested Text Books

- 1. B.V. Ramana, Higher Engineering Mathematics, 44th Edition, Tata McGraw Hill New
- 2. Dr.B.S.Grewal, Higher Engineering Mathematics, 43nd Edition, Khanna Publishers, 2015.

Reference Books

- 3. Erwin Kreyszig, Advanced Engineering Mathematics, 9th Edition, John Wiley & Sons,
- 4. G.B. Thomas and R.L. Finney, Calculus and Analytic geometry, 9th Edition, Pearson, Reprint, 2002.
- 5. Veerarajan T., Engineering Mathematics for first year, Tata McGraw-Hill, New Delhi,
- 6. D. Poole, Linear Algebra: A Modern Introduction, 2nd Edition, Brooks/Cole, 2005.
- 7. N.P. Bali and Manish Goyal, A text book of Engineering Mathematics, Laxmi Publications, Reprint, 2008.

Differential Equations (Common to All)

20BST102

Course Objectives:

Credits 3

- To solve the first order Ordinary Differential equations and apply to Orthogonal trajectories, Newton's Law of Cooling and Law of Growth (Decay).
- To solve second and higher order ordinary differential equations.
- Derive the Fourier series expansion of one variable functions.
- Understand Taylor's, Maclaurin's series expansion and rules of calculating extreme value of two
- Learn the methods of solving first order quasi-linear (Lagrange) partial differential equations and first order non-linear partial differential equations.
- Understand the method of solving a linear Partial differential equation with constant coefficients by method of Separation of Variables, solve a one dimensional Wave and a one dimensional Heat

Course Outcomes: The student will be able to:

- Apply the mathematical tool for the solution of Ordinary Differential equations, Orthogonal trajectories, Newton's Law of Cooling and Law of Growth (Decay).
- Evaluate higher order homogenous and non-homogenous linear differential equations with constant coefficients.
- Estimate the Fourier series expansion of one variable functions.
- Estimate the Taylor's, Maclaurin's series expansion of two variable functions and extreme values of two or more variable functions.
- Evaluate a first order quasi-linear (Lagrange) partial differential equations and first order non-linear partial differential equations.
- Evaluate a one dimensional Wave and Heat equation.

UNIT-I: Ordinary differential equations of first order: (8 hrs)

Linear type - Bernoulli type-Exact type - Equations reducible to exact type- Orthogonal Trajectories-Newton's law of cooling - Law of Growth and Decay.

UNIT-II: Ordinary differential equations of higher order: (8 hrs)

Higher order homogenous and non-homogenous linear differential equations with constant coefficients-Complimentary Functions-Particular integrals for the functions of type sin(ax+b)/cos(ax+b), x^m, e^{ax}, $e^{ax}V(x)$ - Method of variation of parameters, Applications-LCR circuits.

UNIT-III: Fourier Series: (8 hrs)

Fourier Series -Even and odd functions - Fourier series of functions defined in the interval $(0, 2\pi)$, $(-\pi, \pi)$, (0, 2c),(-c,c) - Half range Fourier sine and cosine series

UNIT-IV: Partial Differentiation (8 hrs)

Functions of two or more variables-Partial differentiation-Total Derivative- Taylor's and Maclaurin's Series (without proof) - Maxima, minima of functions without constraints and functions with constraints (Lagrange method of undetermined multipliers).

UNIT-V: Partial Differential Equations of first order (8 hrs)

Partial differential Equations - Formation of partial differential equations - solutions of first order quasilinear (Lagrange) partial differential equations and first order non-linear (standard type) partial differential equations.

UNIT-VI: Applications of Partial Differential Equations (8 hrs)

Solution of linear Partial differential equations with constant coefficients - Method of Separation of Variables- One dimensional Wave and Heat equations.

Suggested Text Books

- B.V.Ramana, Higher Engineering Mathematics, 44th Edition, Tata McGraw Hill New Delhi,2014. Dr.B.S.Grewal, Higher Engineering Mathematics, 43nd Edition, Khanna Publishers, 2015.
- 2. Reference Books
- Erwin Kreyszig, Advanced Engineering Mathematics, 9th Edition, John Wiley & Sons, 2006. 3.
- Veerarajan T., Engineering Mathematics for first year, Tata McGraw-Hill, New Delhi, 2008. 4.



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Department of Physics

Minutes of the Meeting of Board of studies (Physics) held at 02.30 PM on 01.12.2020 (Tuesday) Mode: Through Online

Agenda:

1. To finalize the course syllabus of Physics from the academic year 2020-2021 in compliance with Academic Regulations 2020 [AR20]

Members Present:

	S. No.	Name of the member	Designation	Signature
	1	Prof. K. Venugopal	Professor, Department of Physics,	
		Reddy	NIT Warangal	
			E-mail: drkvgreddy@gmail.com Phone: 8332969466	
	2	Prof. K. Niranjan	Emeritus Scientist, CSIR, Former	
			Professor of Physics & Registrar, Andhra	
		ſ	-University, Visakhapathain	
			E-niail: niranjankandula@hotmail.com	
-		D () (D) W	Phone: 98482921897:11	
ĺ	3	Prof. M. Ravi Kumar	Professor of Physics, GITAM University	
İ			E-mail: 6 E-mail	
		A. J. Co.	Phone: 9440424520	unana una
	4	Mr. K. Ravi Kumar	Assistant Professor of Physics, AITAM	Daywood of
				Meer
	5	Dr. T. Gunavardhana	Assistant Professor of Physics, AITAM	G. Marg.
		Naidu		
	6	Mr. P. Suresh Patnaik	Assistant Professor of Physics, AITAM	Jen Jeefly
		A STATE OF THE STA		11/
	7	Mr. N. Nageswara Rao	Assistant Professor of Physics, AIIIAM	Nagurlons
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POINTS DISCUSSED AND RESOLVED:

- 1. Discussed about the syllabus of Ist B.Tech. Applied Physics, Engineering Physics and Physics Lab to be offered at SEM-I/SEM-II starting from the Academic Year 2020-2021 and resolved to approve the proposed syllabus with requisite modifications.
- 2. It is resolved to follow two different Syllabi, One for EEE, ECE, CSE & IT Branches (Applied Physics) and the other for CIVIL & MECHANICAL Branches (Engineering Physics) of Ist B. Tech Course. Further, the Physics Lab syllabus should be common for all the branches. The relevant syllabi have been enclosed.
- 3. Resolved to include the following Text Books and References for the Approved Syllabus
 - A Textbook of Engineering Physics, M N Avadhanulu & P G Kshingagar, S.Chand Publishers
 - Fundamentals of Physics by Resnick, Halliday and Walker
 - Modern Physics by Arthur Beiser



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4. Resolved to conduct the Examinations as per the pattern mentioned below, Theory:

Internal Assessment :

40 marks

External Assessment:

60 marks

Laboratory / Practical Examinations

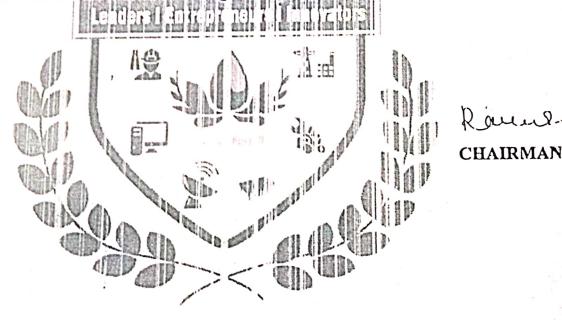
Internal Assessment:

40 marks

External Assessment:

60 marks

- 5. Further, it is resolved to follow the Model question paper as per pattern mentioned below: The question paper consists of 6 Questions with Internal Choice. All Questions to be answered.
- 6. It is suggested that paper setting should be external and evaluation should be by both internal as well as external evaluators with the reconciliation thereof, if any
- 7. Specific Engineering applications pertaining to each topic have been included in the syllabus as appropriate, so as to establish the relevance of Engineering Physics to core subjects.





Physics BOS Minutes 01-12-2020 & Modified Syllabus For Kind Approval - Reg.

Ravikumar Muktineni <ravikumarmuktineni5@gmail.com>
To: ravi kumar <ravikummaar30@gmail.com>

Sun, Dec 6, 2020 at 5:57 PM

Dear Ravi Kumar,

I have gone through the minutes of BOS meeting and the modified syllabi. After the modification the syllabi looks good and go a head with this.

With regards,

Dr. M Ravi Kumar
Professor of Physics
OITAM Institute of Science
OITAM (Deemed to be University)
Visakhapatna.
[Quoted text hidden]

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ravikummaar30@gmail.com | Google Account | Settings | Help | Sign out

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Physics BOS Minutes 01-12-2020 & Modified Syllabus For

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🛱 ravi kumar

/Sat, Dec 5, 2020 at 2:33 PM

Contacts

Ravikumar Muktineni

Kandula Niranjan<niranjankandula@hotmail.com>

Sun, Dec 6, 2020 at 5:57 PM Mon, Dec 7, 2020 at

6:09 PM

Labels Deleted Item... Sent Items Edit labels

To: ravi kumar <ravikum.maar30@gmail.com>

Reply | Reply to all | Forward | Print | Delete | Show original

Dear Dr. Ravi Kumar,

The minutes are well drafted and I hereby convey my approval for the minutes of the BOS meeting held on 1.12.2020

Best regards

Niranjan

Prof. K. Niranjan

Emeritus Scientist CSIR

Former Dean Academic Affairs and

Former Registrar

Professor of Physics (retd)

Andhra University

Visakhapatnam 530003 India

Phone: +91 98482 92189

e-mail: niranjankandula@hotmail.com

From: ravi kumar < ravikummaar 30@gmail.com>

Sent: Saturday, December 5, 2020 9:03 AM

To: drkvgreddy@gmail.com <drkvgreddy@gmail.com>;

niranjankandula@hotmail.com <niranjankandula@hotmail.com>;

ravikumarmuktineni5@gmail.com <ravikumarmuktineni5@gmail.com>

Subject: Physics BO3 Minutes 01-12-2020 & Modified Syllabus For Kind Approval -

Reg.

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AR-18, AR-20 syllabus of Applied Physics, Engineering Physics and Physics lab for BOS reg. hbox

🛱 ravi kumar

Mon, Nov 30, 2020 at 9:28 PM

😭 Venugopal Reddy Krishnareddy<drkvgreddy@gmail.com>

Fri, Dec 11, 2020 at 11:37 AM

To: ravi kumar <ravikummaar30@gmail.com>, Dr K Y G Reddy <drkvgreddy@gmail.com>

Reply | Reply to all | Forward | Print | Delete | Show original

Dear sir

Received your mail regarding the syllabus of Applied, engineering 1 st B. Tech physics after considering suggestions given by the BOS, I am accepting / approved the same . This is for your kind information

With best regards Professor K. Venugopal Reddy Department of Physics NIT Warangal-506004

Sent from my iPhone

- > On Nov 30, 2020, et 9:28 PM, ravi kumar < ravikummaar 30@gmail.com > wrote:
- > Respected sir,
- > I am herewith enclosing the AR-20 syllabus of Applied Physics, Engineering Physics and Physics lab for your reference for the BOS which will be held tomorrow at 02:30 PM through zoom app. The link will be send tomorrow morning. You are cordially invited to take part in our first BOS of AR20 regulation.
- > Thanking you sir
- > <APPLIED PHYSICS AR20.docx>
- > < PHYSICS LAB AR20 docx>
- > <ENGINEERING PHYSICS AR20.docx>

Quick Reply

To: Venugopal Reddy Krishnareddy <drkvgreddy@gmail.com>

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APPLIED PHYSICS

(Common for EEE, ECE, CSE & IT)

Subject Code : 20BST105

Credits :3

External Marks: 60

Internal Marks: 40

COURSE DESCRIPTION:

This course encompass Fundamental Concepts of Physics that include

- Wave Optics
- Lasers
- Fiber Optics
- Modern Physics
- Electro Magnetic Theory
- Semiconductor Physics
 that are inevitable for any Engineering student so that these prerequisites aid the student to readily understand Day to Day Engineering Problems with Pragmatic Approach.

COURSE OBJECTIVES

- To realize the principles of optics in designing optical devices
- To comprehend the Principles of Lasers
- To Infer the Principles of Fiber Optics
- To Recognize the shortcoming of classical physics and describe the need for modifications to classical theory
- To Identify the interaction of electromagnetic fields
- To Summarize the characteristics of semiconductor materials.

COURSE OUTCOME

Will be able to

- CO1 Apply the principles of optics in designing optical devices
- CO2 Illustrate the Principles of Lasers
- CO3 Outline the Principles of Fiber Optics
- CO4 Resolve the discrepancies in classical extimates through quantum principles
- CO5 Analyze the interaction of electromagnetic fields.
- CO6 Interpret the characteristics of semiconductor materials.

UNIT-1 : Wave Optics

Interference - Introduction, Principle of Superposition of Waves, Interference in Plane Parallel Film due to Reflected Light, Newton's Rings under Reflected Light - Determination of Wavelength of Monochromatic Source of Light.

Diffraction - Introduction, Differences between Interference and Diffraction, Fraunhofer Diffraction due to Single Slit - Intensity Distribution.



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: Lasers UNIT-II

Lasers - Introduction, Characteristics of Lasers- Coherence, Directionality, Monochromacity and High Intensity, Principle of Laser - Absorption, Spontaneous and Stimulated Emission, Einstein Coefficients (Qualitative), Population Inversion, Optical Resonator and Lasing Action, Ruby Laser [Three Level System], Helium-Neon Laser [Four Level System], Applications of Lasers in Industry, Scientific and Medical Fields

UNIT-III : Fiber Optics

Fiber Optics - Introduction, Optical Fiber Construction, Principle of Optical Fiber - Total Internal Reflection, Conditions for Light to Propagate - Numerical Aperture and Acceptance Angle, Differences between Step Index Fibers and Graded Index Fibers, Differences between Single Mode Fibers and Multimode Libers, Applications of Optical Fibers In Communication

UNIT-IV : Modern Physics

Quantum Mechanics - Wave Particle Duality, de-Broglie's Hypothesis of Matter Waves, Helsenberg's Uncertainty Principle, Physical Significance of Wave Function Time independent wave equation and Particle in One Dimensional Potential Box

UNIT-V: Electromagnetic Theory TIPS 1

Concept of Electric Field, Point Charge in Electric Field, Gauss Law and it's Applications, Magnetic Field -Magnetic Force on Current Carrying Coil Ampere's Law, Blot-Savart Law, Faraday's Law of Induction, Lenz's Law, Maxwell's Equations and Applications

UNIT-VI: Semiconductors Physics

Introduction- Intrinsic and Extrinsic Semiconductors, Dependence of Fermi Level on Carrier Concentration and Temperature, Diffusion and Drift Currents. Hall Effect -- Mobility, Sign of Charge Carriers, Conductivity, Resistivity.

Texts

- ar S.Chand Publishers 1. A Textbook of Engineering Physics, M.
- Fundamentals of Physics by Resnick, Halliday and Walker
- 3. Modern Physics by Arthur Beiser

References

- 1. University Physics by Young and Freedman
- 2. Solid State Physics by S. O. Pillai, New Age International Publishers
- 3. Engineering Physics, Volume-I&II, P.K.PalaniSwamy, Scitech Publications Hyderabad
- 4. Engineering Physics Volume I&II Dr.K.Vijaykumar, S.Chand Publishing Company, New Delhi
- 5. Engineering Physics Dr. S. Mani Naidu, Pearson Publications Chennai



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ENGINEERING PHYSICS (Common for MECHANICAL & CIVIL ENGINEERING)

Subject Code

: 20BST106

Credits

: 3

External Marks: 60

Internal Marks: 40

COURSE DESCRIPTION:

This course encompass Fundamental Concepts of Physics that include

- Waves and Oscillations
- Wave Optics
- Lasers
- Fiber Optics
- Introduction to solid state physics
- Materials Science

that are inevitable for any Engineering student so that these prerequisites ald the student to readily understand Day to Day Engineering Problems with Pragmatic Approach.

COURSE OBJECTIVES

- To Recognize the nature of Oscillation in terms of energy exchange
- To Realize the principles of optics in designing optical devices
- To Comprehend the Principles of Lasers
- To Infer the Principles of Fiber Optics
- To Summarize general principles of crystal and molecular structures
- To Identify Magnetic properties and Superconducting properties

COURSE OUTCOME

Will be able to

- CO1 Resolve the knowledge of Oscillations in terms of energy exchange
- CO2 Apply the principles of optics in designing optical devices
- CO3 Illustrate the Principles of Lasers
- CO4 Outline the Principles of Fiber Optics.
- CO5 Interpret general principles of crystal and molecular structures.
- CO6 Infer Magnetic properties and Superconducting properties

UNIT-1: WAVES & OSCILLATIONS

Damped Oscillations: Harmonic oscillator; Differential Equation of Wave Motion, Damped Harmonic oscillator; Over-Damped, Critically Damped and Under-Damped Oscillations
Forced Oscillations: Resonance and Quality Factor



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UNIT-II : Wave Optics

Interference - Introduction, Principle of Superposition of Waves, Interference in Plane Parallel Film due to Reflected Light, Newton's Rings under Reflected Light - Determination of Wavelength of Monochromatic Source of Light.

Diffraction - Introduction, Differences between Interference and Diffraction, Fraunhofer Diffraction due to Single Slit - Intensity Distribution.

UNIT-III : Lasers

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Lasers - Introduction, Characteristics of Lasers- Coherence, Directionality, Monochromacity and High Intensity, Principle of Laser - Absorption, Spontaneous and Stimulated Emission, Einstein Coefficients (Qualitative), Population Inversion, Optical Resonator and Lasing Action, Ruby Laser [Three Level System], Helium-Neon Laser [Four Level System], Applications of Lasers in Industry, Scientific and Medical Fields

UNIT-IV : Fiber Optics

Fiber Optics - Introduction, Optical Fiber Construction, Principle of Optical Fiber - Total Internal Reflection, Conditions for Light to Propagate - Numerical Aperture and Acceptance Angle, Differences between Step Index Fibers and Graded Index Fibers, Differences between Single Mode Fibers and Multimode Libers, Applications of Optical Fibers In Communication

UNIT-V : Introduction to Solid State Physics

Crystal Structure - Introduction, Basic Terms — Lattice, Basis, Crystal Structure, Coordination Number, Atomic Radius, Packing Fraction, Free Volume, Lattice Parameters, Unit Cell and Primitive Cell, Crystal Systems and Bravais Lattices, Structure and Packing Fractions of Simple Cubic, Body Centered Cubic and Face Centered Cubic Crystal Structures

UNIT-VI: Materials Science

Magnetic Materials: Types of Magnetic Materials. (Dia Para, Ferro, Ferri&Antiferro), Hysteresis, Weiss Theory of Ferromagnetism, Soft and Hard Magnetic Materials.

Superconductivity: Introduction, Meissner Effect, Type-I & Type-II Superconductors, Applications

Texts

- 1. A Textbook of Engineering Physics, M N Avadhanulu & P.G Kshirsagar, S.Chand Publishers
- 2. Fundamentals of Physics by Resnick, Halliday and Walker

References

- 6. University Physics by Young and Freedman
- 7. Solid State Physics by S. O. Pillai, New Age International Publishers
- 8. Engineering Physics, Volume-I&II, P.K.PalaniSwamy, Scitech Publications Hyderabad
- 9. Engineering Physics Volume I&II Dr.K.Vijaykumar, S.Chand Publishing Company, New Delhi
- 10. Engineering Physics Dr. S. Mani Naidu, Pearson Publications Chennai



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PHYSICS LAD (Common for all Branches)

Subject Code

:20BSL101

Credits

:1.5

ExternalMarks: 60

Internal Marks: 40

Course Description:

This Laboratory course is intended to apply the scientific method to expedite experiments that include

- Error analysis
- Waves Fundamentals
- Mechanics
- **Physical Optics**
- Lasers and Fiber Optics
- Semiconductor devices

So that student can verify theoretical ideas and lecture through host of analytical techniques, statistical analysis and graphical analysis

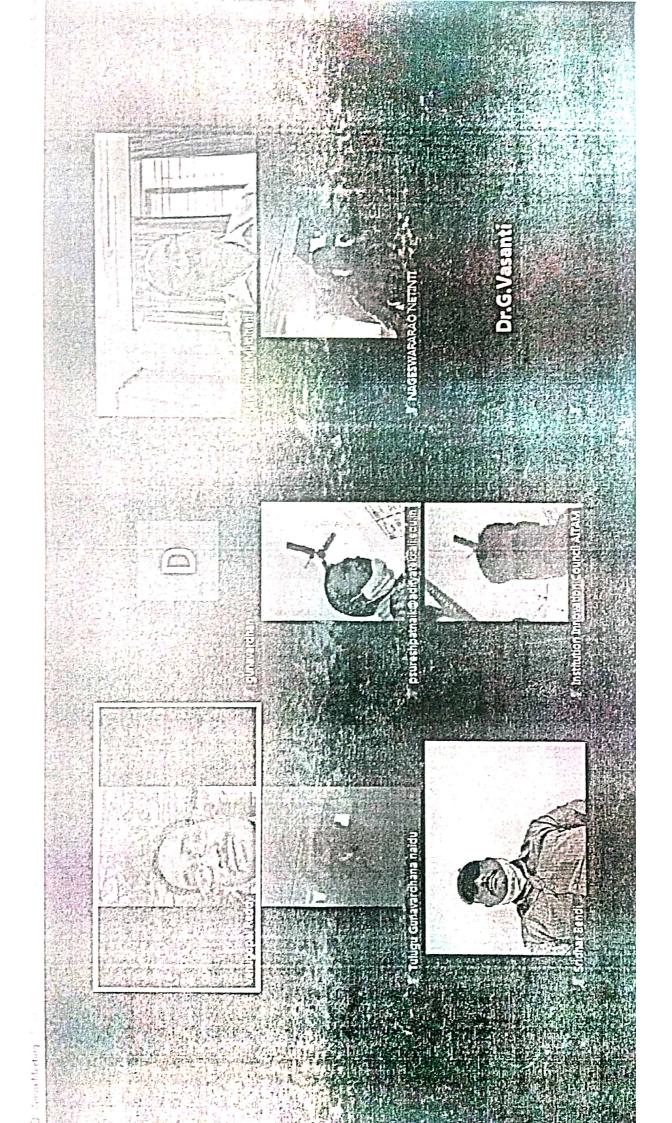
Course Objectives:

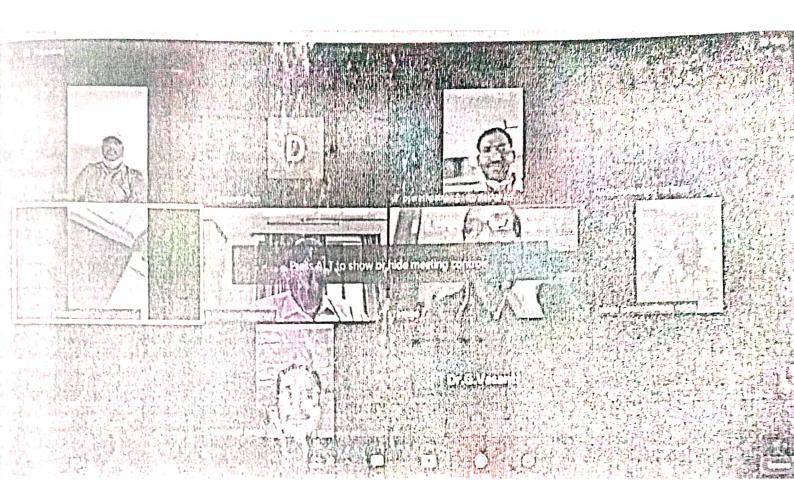
- To Operate Sensitive Instruments for precision measurements
- To Identify Error for targeted accuracy
- To Interpret the results of mechanical parameters such as modulus of clasticity and acceleration due to gravity through simple oscillatory experiments using torsional pendulum or physical pendulum
- To Determine relevant parameters associated with Interference and Diffraction phenomena using Travelling Microscope and Spectrometer.
- To Exhibit Techniques and Skills associated with Modern Engineering ols such as Lasers and Fiber To Characterize semiconducting material devices.

Course Outcomes:

Will be able to

- Demonstrate the ability for precision measurements to design instrumentation CO1
- Estimate the Error for targeted accuracy CO₂
- Infer the results of mechanical parameters such as modulus of elasticity and acceleration due to CO3 gravity through simple oscillatory experiments using torsional pendulum or physical pendulum
- Apply the knowledge of Optics to calculate geometrical parameters of thickness of thin object and CO₄ radius of curvature of a lens
- CO5 Illustrate techniques and skills associated with Modern Engineering Tools such as Lasers and Fiber
- Evaluate characteristics of semiconducting material devices CO6





Aditya Institute of Technology and Management (Autonomous), Tekkali I Year B. Tech (1st Sem. ME, CSE & IT and 2nd Sem. ECE, EEE & CE) CHEMISTRY

(Common to All Branches)

Subject Code: 20BST107

Credits: 3.0

Internal Marks: 40 External Marks: 60

Course Objectives:

The students will become familiar and understand about:

- Rationalise the importance of water for society and industrial needs.
- Distinguish the ranges of the electromagnetic spectrum used for exciting different molecular energy levels in various spectroscopic techniques.
- > To become familiar in moulding methods of preparation of different types of plastic materials
- Rationalise organic reactions such as addition, substitution, elimination, rearrangement reactions.
- > Rationalise reference electrodes and science of corrosion.
- > Distinguish Renewable & Non-Renewable energy resources and rationalise about green chemistry, batteries.

Course Outcomes:

1

The course will enable the student to:

- Rationalise the importance of water for society and industrial needs.
- Distinguish the ranges of the electromagnetic spectrum used for exciting different molecular energy levels in various spectroscopic techniques
- > Differentiate different moulding techniques of plastic materials
- Rationalise organic reactions such as addition, substitution, elimination, rearrangement reactions.
- > Rationalise the science of corrosion.
- Distinguish Renewable & Non-Renewable energy resources and rationalise about green chemistry, batteries.

Unit-1: Water Technology (9 lectures)

Hardness of Water – Temporary and Permanent Hardness - Units of Hardness - Estimation of Hardness by EDTA Method - Problems on Temporary and Permanent Hardness - Disadvantages of Hard Water – Softening Methods of Hard Water - Zeolite or Permutit Process - Ion Exchange Process - Methods of Treatment of Water for Domestic Purposes – Sedimentation, Coagulation, Filtration, Disinfection - Sterilization, Chlorination, Break Point chlorination, Ozonisation.

Unit-2: Spectroscopy (8 lectures)

Spectroscopy - Electronic Spectroscopy - Types of Electronic Transitions - Definition of Chromophore - Definition of Auxochrome - Absorption and Intensity Shifts - Introduction to I.R. Spectroscopy - Fingerprint Region - Introduction to NMR - Principle - Equivalent and Non-Equivalent Protons - Chemical Shift- Splitting - Coupling Constant.

Hi Raund (Dr. Ramanaich Halla) Unit-3: Polymers and Plastics (7 lectures)

Definitions of Polymer, Polymerization – Functionality – Degree of polymerization - Types of Polymerization (Addition and Condensation Polymerizations) - Plastics – Definition, Thermoplastics, Thermosetting Plastics – Compounding of Plastics – Moulding of Plastics into Articles (Compression, Injection, Transfer and Extrusion Moulding Methods) - Preparation, Properties and Engineering Uses of PVC and Bakelite.

Unit-4: Organic Reactions (7 lectures)

Types of Organic reactions: Addition - Electrophilic, Nucleophilic and Free radical - Substitution - Electrophilic, Nucleophilic (SN^1 and SN^2) and Free radical - Elimination (E_1 and E_2) - Rearrangement Reactions (Claisen, Pinacol Pinacolone Rearrangement).

Unit-5: Corrosion and Its Control (9 lectures)

Definition of Corrosion – Theories of Corrosion (Chemical & Electrochemical) – Mechanism of Electrochemical Corrosion (Oxygen Absorption Type and Hydrogen Evolution Type) - Galvanic Series - Factors Influencing Corrosion – Corrosion Control Methods - Proper Designing, Modifying the Environment, Cathodic Protections – Sacrificial Anodic Protection and Impressed Current Cathodic Protection. Metallic (Anodic and Cathodic) Coatings – Methods of application on metals (Galvanizing and Tinning).

Unit-6: Green Chemistry & Energy (8 lectures)

Introduction to green chemistry – Definition and 12 principles of green chemistry.

Types of energy sources – Renewable & Non-Renewable - Introduction to solar energy – harnessing of solar energy – photo voltaic cells – Concentrated Solar power plants.

Introduction of Energy storage devices: Principle& mechanism of Batteries & Supercapacitors, Types of Batteries (Alkaline & Lead-Acid) - Difference between Batteries and Supercapacitors.

Suggested Text Books:

- (i) University chemistry, by B. H. Mahan
- (ii) Elementary organic spectroscopy: principles and applications, by Y. R. Sharma
- (iii) Chemistry: Principles and Applications, by M. J. Sienko and R. A. Plane
- (iv) "Engineering Chemistry", F. C. Jain and Monica Jain, Dhanpat Rai Publications, Co., New Delhi, 2004, 16th Edition

Reference books:

- (i) Fundamentals of Molecular Spectroscopy, by C. N. Banwell
- (ii) Engineering Chemistry (NPTEL Web-book), by B. L. Tembe, Kamaluddin and M. S. Krishnan
- (iii) Physical Chemistry, by P. W. Atkins
- (iv) Organic Chemistry: Structure and Function by K. P. C. Volhardt and N. E. Schore, 5th Edition.
- (v) Concise Inorganic Chemistry: Fifth Edition by J.D. Lee

Mi Rawa III (Dv : Ramanaich Halla) Scanned with CamScanner 173

Aditya Institute of Technology and Management (Autonomous), Tekkali I Year B. Tech (1st Sem. EEE, CSE & IT and 2nd Sem. ECE, ME & CE) CHEMISTRY LABORATORY

(Common to All Branches)

Subject Code: 20BSL102

Credits: 1.5

Internal Marks: 40 External Marks: 60

Course Objectives:

The students will become familiar and understand about:

- Measure molecular/system properties such as kinematic viscosity, acid number of lubricating oil,
- Measure molecular/system properties such as surface tension and viscosity.
- Measure molecular/system properties such as pH, conductance of solutions, redox potentials, etc
- Measure molecular/system properties such as chloride content, hardness of water, dissolved oxygen, etc.
- Synthesize a small polymer molecule and analyze a salt sample.
- Estimate iron (by colurimeter), partition coefficient, and adsorption of acetic acid by charcoal etc.

Course Outcomes:

The students will learn to:

- Measure molecular/system properties such as kinematic viscosity, acid number of lubricating oil, etc.
- Measure molecular/system properties such as surface tension and viscosity.
- Measure molecular/system properties such as pH, conductance of solutions, redox potentials, etc
- Measure molecular/system properties such as chloride content, hardness of water, dissolved oxygen, etc.
- Synthesize a small polymer molecule and analyze a salt sample.
- Estimate iron (by colurimeter), partition coefficient, and adsorption of acetic acid by charcoal, etc.

LIST OF EXPERIMENTS: Choice of 10-12 experiments from the following:

- 1. Determination of surface tension and viscosity
- Determination of Hardness of water sample by EDTA Method.
- Conductometric estimation of Acid by Base.
- 4. Conductometric estimation of mixture of acids by base.
- 5. Potentiometric Titrations.
- 6. Synthesis of a polymer/drug.
- Determination of acid value of an oil
- 8. Chemical analysis of a salt
- Determination of Dissolved Oxygen present in the given water sample by Modern Winkler's Method
- 10. Colurimetric estimation of iron
- 11. pH metric titrations
- 12. Determination of the partition coefficient of a substance between two immiscible liquids
- Adsorption of acetic acid by charcoal Use of the capillary viscosimeters to the demonstrate of the isoelectric point as the pH of minimum viscosity for gelatin sols and/or coagulation of the white part of egg

H. Romanaich Halla)

- 14. Potentiometric Titration of a Chloride-Iodide Mixture.
- 15. Determination of Chloride content present in given water sample.
- 16. Determination of kinematic viscosity of given lubricating oil.

TEXT BOOKS:

- 1. "Practical Engineering Chemistry" by K.Mukkanti, et al. B.S.Publications, Hyderabad (2011).
- 2. "Lab Manual on Engineering Chemistry" by Sudharani, Dhanpat Rai Publications, Co., New Delhi., (2009).

REFERENCE BOOKS:

- 1. "Engineering Chemistry Lab Manual" by Shuchi Tiwari (2010), SCITECH Publications.
- "Vogel's Text Book of Quantitative Chemical Analysis", 6th Edition by G. J. Jeffery, J. Bassett, J. Mendham, R.C. Denney, Longman Scientific & Technical Publications, New York.
- 3. "A Text Book of Engineering Chemistry" by R. N. Goyal and H. Goel, Ane Books (P) Ltd.(2009).
- 4. "A Text Book on experiments and calculations Engineering" by S.S. Dara, S.Chand & Company Ltd. (2003).
- 5. "Instrumental methods of Chemical Analysis", Gurudeep R, Chatwal Sham, K. Anand, Latest Edition (2015), Himalaya Publications.

Hi Round (pv. Ramanaich Halla)

Aditya Institute of Technology and Management (Autonomous), Tekkali **Environmental Science** (Common to all Branches)

Course Code: 20MCT102, 20MCT202

Credits: 00

Course Objectives:

> Memorize the knowledge of environment and status of different resources on earth.

> Identify the significance, arrangement, causes of annihilation and conservation of ecosystems and biodiversity..

> Identify the significance, types and conservation of biodiversity.

> Discriminate causes, effects of a variety of pollutions and suitable control methods.

> Identify the hurdles of sustainable development; evaluate the different environmental management and legal issues.

> Describe the population growths, health problems and evaluate the environmental assets.

Course Outcomes: By Studying this Course Student will

- 1. Recognize and speaks well again on the general issues of environment and know how to conserve resources for better usage.
- 2. Explain and demonstrate the ecosystems setup, assess.

3. Recognize and conserving of diversity to upkeep.

- 4. Examine a range of pollution problems along with control and their eco-friendly disposal
- 5. Translate the sustainable development practice through clean development mechanisms.
- 6. Evaluate the changing trends of world population and compile the information in order to document the environmental assets.

Unit – I (6 lectures)

Importance of Environmental Studies and Natural Resources: Definition of Environment -Importance - Need for Public Awareness

Forest Resources - Use and over exploitation - deforestation - consequences - case study

Water Resources - Use and over utilization - dams - benefits and problems on Tribes and Environment

Food Resources - Food security concept - changes caused by agriculture and overgrazing effects of modern agriculture – fertilizer - pesticide problems - water logging - salinity – concept of sustainable agricultural methods - case study

Energy Resources - Non-renewable energy resources - coal - crude oil - natural gas - use of renewable and alternate energy sources

Unit – II (3 lectures)

Ecosystems: Definition - Structure of ecosystem: producers - consumers - decomposers. Functions of ecosystem: Food chains - food webs - ecological pyramids - Energy flow - Nutrient cycles (Carbon cycle and Nitrogen cycle). Ecological succession

1

Unit-III (3 lectures)

Biodiversity and its conservation: Definition of Biodiversity - Values of biodiversity - Biogeographical classification of India - Hot Spots of India - Endangered and endemic species of India - Threats to biodiversity - Conservation of biodiversity

Unit - IV (6 lectures)

Environmental Pollution: Definition - causes - effects - control measures of Air pollution - Water pollution - Noise pollution - Marine Pollution - Nuclear hazards.

Solid waste Management: Causes - effects - disposal methods of urban waste - biomedical wastes - case studies

Disaster management: floods - earthquakes - cyclones

Unit – V (6 lectures)

1

Social Issues and the Environment: Concept of Unsustainable and Sustainable development — Water conservation: Rain water harvesting- Watershed management — Global environmental challenges: climate change - global warming — acid rains - ozone layer depletion -World summits on environment: Stockholm conference — Rio-earth summit — Kyoto protocol — Environment (Protection) Act - Air (Prevention and Control of Pollution) Act — Water (Prevention and control of Pollution) Act — Wildlife (Protection) Act -Forest (Conservation) Act

Unit - VI (4 lectures)

Human Population and the Environment: Population growth patterns - variation among nations - Population problems - control -Environment and human health - Role of information Technology in Environment and human health

Text Books:

- 1. Shashi Chawla. 2015, A Text book of Environmental Studies, Revised edition, TMH, New Delhi
- 2. Bharucha, E. 2005, *Text book of Environmental Studies*, First edition, Universities Press (India) Pvt. Ltd., Hyderabad
- 3. Suresh K. Dhameja. 2006-07, Environmental Studies, Third revised edition, S.K. Kataria & Sons (P) Ltd., New Delhi
- 4. Benny Joseph. 2015, Environmental Studies, Revised edition, TMH, New Delhi

Reference Books:

- 1. Odum, E.P, Fundamentals of Ecology, Third edition, W.B. Saunders & Co (P) Ltd., Philadelphia.
- 2. P. D. Sharma, Ecology and Environment, Revised edition, Rastogi Publications (P) Ltd.
- 3. Cunningham, W.P., Cunningham, M.A., Principles of Environmental Science, TMH, New Delhi.
- 4. Peavy, Rowe and Tchobanoglous, *Environmental Engineering*, Mc Graw Hill Internationaledition.
- 5. Graedel, T.E., Allenby, B.R., Industrial Ecology and Sustainable Engineering, PearsonPublications.

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Department of Chemistry

Minutes of the Meeting of Board of studies (Chemistry) held at 2.30 PM on 27.11.2020 (Friday) on the Zoom platform.

Agenda:

1. To finalize the course syllabus of Chemistry theory, Laboratory and Environmental Science from the academic year 2020-21 under AR20

Members Present:

S. No.	Name of the member	Designation	Signature
1	Prof. Ch. Subrahmanyam	Pro essor; Department of Chemistry, IIT, Hyderabad, India E-mail: csubbu@iith.ac.in, Phone: 9550435527	
2	Prof. Mandava Venkata	Professor, Department of Chemistry	
	Basaveswara Rao	Chairman, BOS, Chemistry & Pharmacy	
		Krishna University, Machilipatham, Mail: Vormandava@vahoo.com, Phone No: 08656-235234	
3	Prof. K. Basavaiah	Professor, Head of The Department Department of Inorganic& Analytical Chemistry, Andhra University, Visakhapatnam Mail: klbasu@gmail.com.com, Phone: 9908036203	
4	Dr. Ramanaiah Malla	Associate Professor, AITAM	H. Ramon at
5	Dr. Rama Raju Bendi	Associate Professor, AITAM	13. Rambal-
6	Dr. P.H.K. Charan	Associate Professor, AITAM	P. Hen' Lote Clon
7	Sri. J. Suresh Kumar	Ass stant Professor, AITAM	J.S. W
8	Smt. A. Udayasri	Assistant Professor, AITAM	A. Wayari
8	I. Sudhakara Rao	Assistant Professor, AITAM	2- Sudbalin

Points discussed and resolved:

After detailed discussions the board unanimously resolved the following

- 1. Outline the chemistry theory syllabus into 6 units has been resolved.
- 2. 1st unit in the chemistry theory has suggested replacing with water technology unit and has been incorporated and resolved.
- 3. Suggested to remove Introduction to Electrochemistry EMF of the cell or Cell potential-Electrochemical series and its importance-Reference electrodes (SHE and Calomel electrode) from 5th unit and has been resolved.

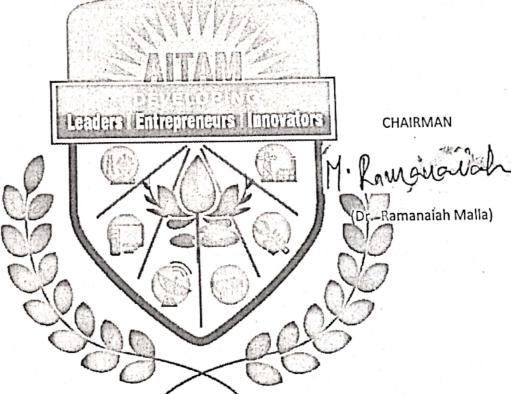


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- 4. Suggested to incorporate some topics (Metallic (Anodic and Cathodic) Coatings Methods of application on metals (Galvanizing and Tinning).) in unit 5 and has been incorporated and resolved.
- 5. All other miner suggestion in the chemistry theory has been incorporated and resolved.
- 6. In Chemistry Laboratory experiments, suggested to insert mixed acid estimation by base using conductometry has been incorporated and resolved.
- 7. In Chemistry Laboratory experiments, suggested to insert potentiometric titration of a chloride-iodide mixture has been incorporated and resolved.

8. Environmental Science syllabus has been reviewed and suggestions has been incorporated and resolved.





Malla Ramanalah <ramanalahmalla4@gmail.com>

Invitation-BOS Chemistry (AR2020) - Aditya Institute of Technology And Management- reg

3 messages

Malla Ramanaiah <ramanaiahinalla4@gmail.com>
To: "Ch.Subrahmanyam" <csubbu@iith.ac.in>

Fri, Nov 13, 2020 at 2:25 PM

Respected sir Greetings!

I hope you are fine & doing well sir.

I take the opportunity as in-charge of the faculty of chemistry, Department Basic Science and Humanities to welcome you to attend the 1st BOS meeting under AR20 as per the guidelines of the APSCHE curriculum of 2020. The BOS is scheduled for 27-11-2020 at 2.30 p.m on the Zeom platform. The link will be shared one day earlier.

I will be sharing the course structure and the 1st year syllabus to your mails as soon as possible for your pursuance sir. I request you to kindly verify the same for the upcoming BoS.

Looking forward to your kind cooperation, thank you in advance.

Dr. Ramanaiah Malla
Faculty of chemistry
Basic Science and Humanities Department
Aditya Institute of Technology and Management,
Tekkali-532201, A.P, India.
Mobile: 9704571003

Ch:Subrahmanyam <csubbu@chy.iith.ac.in>
To: Malla Ramanaiah <ramanaiahmalla4@gmail.com>

Fri, Nov 13, 2020 at 2:33 PM

Sure Ramanaiah...

[Quoted text hidden]

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Malla Ramanaiah <ramanaiahmalla4@gmail.com>
To: "Ch.Subrahmanyam" <csubbu@chy.iith.ac.in>

Fri, Nov 13, 2020 at 2:35 PM

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Malla Ramanalah <ramanalahmalla4@gmall.com>

Invitation-BOS Chemistry (AR2020) - Aditya Institute of Technology And Management- reg

3 messages

Malla Ramanaiah <ramanaiahmalla4@gmail.com> To: vbrmandava@yahoo.com

Fri. Nov 13, 2020 at 2:28 PM

Respected sir Greetings!

I hope you are fine & doing well sir.

I take the opportunity as in-charge of the faculty of chemistry, Department Basic Science and Humanities to welcome you to attend the 1st BOS meeting under AR20 as per the guidelines of the APSCHE curriculum of 2020. The BOS is scheduled for 27-11-2020 at 2.30 p.m on the Zoom platform. The link will be shared one day earlier.

I will be sharing the course structure and the 1st year syllabus to your mails as soon as possible for your pursuance sir. I request you to kindly verify the same for the upcoming BoS.

Looking forward to your kind cooperation, thank you in advance.

Dr. Ramanajah Malla Faculty of chemistry Basic Science and Humanities Department Aditya Institute of Technology and Management, Tekkali-532201, A.P, India. Mobile: 9704571003

Fri, Nov 13, 2020 at 2:38 PM

Prof.Mandava V Basaveswara Rao <vbr/>brmandava@yahoo.com> Reply-To: "Prof.Mandava V Basaveswara Rao" <vbr/>brmandava@yahoo.com> To: ramanaiahmalla4@gmail.com

Ok sir

Sent from Yahoo Mail on Android [Quoted text hidden]

Malla Ramanaiah <ramanaiahmalla4@gmail.com> To: "Prof.Mandava V Basaveswara Rao" <vbr/>brmandava@yahoo.com> Fri, Nov 13, 2020 at 2:44 PM

Thank you sir

On 11/13/20, Prof.Mandava V Basaveswara Rao <vbr/>brmandava@yahoo.com> wrote:

- > Ok sir
- > Sent from Yahoo Mail on Android
- On Fri, 13 Nov 2020 at 2:28 pm, Malla Ramanaiah<ramanaiahmalla4@gmail.com>
- > Respected sir
- > Greetings!

https://mail.google.com/mail/u/0/h/146d7bgrx8yrx/7&th=175c0e2b65373a4e&ser=AlKcX57_Y_f3y_N5flhoMNMvcgszTxPgsA&v=pt&s=s

1/2



Malla Ramanaiah <ramanaiahmalla4@gmail.com>

AITAM College revised AR20 chemistry theory and laboratory and environmental science syllabus

4 messages

Mon, Nov 30, 2020 at 3:46 PM Malla Ramanaiah <ramanaiahmalla4@gmail.com> To: "Ch.Subrahmanyam" <csubbu@chy.iith.ac.in>, "Prof.Mandava V Basaveswara Rao" <vbr/>vbrmandava@yahoo.com>, klbasu <klbasu@gmail.com>

Dear Respected Professor,

We on behalf of the management of AITAM, are very grateful to you for spending your invaluable and precious time with us for looking Into modifying and framing the syllabus of AR-20, which helps a lot to the students for updating their knowledge according to the present needs and opportunities.

I am herewith enclosing the revised syllabus of AR20. Please find the same and approve the syllabus (separate file required on your letterhead for filing purposes) and make necessary signatures.

Thanking you

Regards

Dr. Ramanaiah Malla

4 attachments

- AR_20_Chemistry Lab Syllabus_20BSL102.docx
- AR_20_Chemistry Syllabus_20BST108.docx
- AR-20 Environmental Scienc_20MCT102.doc
- Chemistry_BOS Minutes 30-06-2018.doc 1221K

Ch.Subrahmanyam <csubbu@chy.iith.ac.in>

Wed, Dec 2, 2020 at 8:09 PM

To: Malla Ramanaiah <ramanaiahmalla4@gmail.com>

Cc: "Prof.Mandava V Basaveswara Rao" <vbr/>brmandava@yahoo.com>, klbasu <klbasu@gmail.com>

Dear Dr. Ramanaiah.

Please treat this mail as my acceptance;

Regards,

Subbu

[Quoted text hidden]

Prof. Ch.Subrahmanyam, FRSC Professor of Chemistry Indian Institute of Technology Hyderabad Sangareddy, Kandi-502285 Telangana, India Phone: +91 40 2301 6050 Fax: +91 40 2301 6032

https://sites.google.com/a/lith.ac.ln/dr-ch-subrahmanyam/

Disclaimer:- The information contained in this electronic message and any attachments to this message are intended for the exclusive use of the addressee(s) and may contain proprietary, confidential or privileged information. If you are not the intended recipient, you should not disseminate, distribute or copy this email. Please notify the sender immediately and destroy all copies of this message and any attachments. The views expressed in this E-mail message (including the enclosure/(s) or attachment/(s) if any) are those of the individual sender, except where the sender expressly, and with authority, states them to be the views of IIT Hyderabad. Before opening any mail and attachments please check them for viruses, malware, and the sender email address is indeed from IITH domain. IITH does not accept any liability for malware infected mails.

Prof.Mandava V Basaveswara Rao <vbr/>brmandava@yahoo.com> Reply-To: "Prof.Mandava V Basaveswara Rao" <vbr/>brmandava@yahoo.com> To: Malla Ramanaiah <ramanaiahmalla4@gr\u00e4ail.com> Wed, Dec 2, 2020 at 8:23 PM

Accepted and found every thing in order as per the BOS meeting Sincerely Prof.M.V.Basaveswara Rao

Office:

Prof.Mandava V.Basaveswara Rao MNASC., FRSC, FTAS, FAPAS, FICCA

м.s;.,м.тесh.,Ph.D. E-Mail:vbrmandava@ya 100.com

professormandava@gmail.com

Honorary Secretary, Andhra Pradesh Akademi of Sciences, Amaravati

Director, NSS Cell, Krishna University

Former Member, Academic Council, IGNOU, New Delhi

Former Member, Executive Council; Krishna University

Former Member, Academic Senate, Krishna University

Former Special Officer, Krishna University Dr.MRAR PG Centre, Nuzvid,

Krishna Dist., Andhra Pradesh -521 201

Former Dean, Faculty of Sciences, Krishna University

Professor & Head, Department of Chemistry

Krishna University Dr.MRAR PG Centre, Nuzvid-521201

Krishna District, Andhra Pradesh, India

Residence:

Prof. Mandava V. Basaveswara Rao MNASc., FRSC Flat No. 403, Sri Lakshmi Sai Homes Netaji Street, Patamata Lanka Vijayawada, Andhra Pradesh, India

On Wednesday, December 2, 2020, 08:22:41 PM GMT+5:30, Prof.Mandava V Basaveswara Rao <vbrandava@yahoo.com> wrote:

Accepted and found every thing in order as per the BOS meeting Sincerely Prof.M.V.Basaveswara Rao

Office:

Prof.Mandava V.Basaveswara Rao MNASC., FRSC, FTAS, FAPAS, FISCA

M.Sc., M.Tech., Ph.D. E-Mail:vbrmandava@yahoo.com

professormandava@gmail.com

Honorary Secretary, Andhra Pradesh Akademi of Sciences, Amaravati

Director, NSS Cell, Krishna University

Former Member, Academic Council, IGNOU, New Delhi

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12/7/2020

Former Member, Executive Council, Krishna University
Former Member, Academic Senate, Krishna University
Former Special Officer, Krishna University Dr.MRAR PG Centre, Nuzvid,
Krishna Dist., Andhra Pradesh -521 201
Former Dean, Faculty of Sciences, Krishna University
Professor & Head, Department of Chemistry
Krishna University Dr.MRAR PG Centre, Nuzvid-521201
Krishna District, Andhra Pradesh, India

Residence:

Prof. Mandava V. Basaveswara Rao MNASc., FRSC Flat No. 403, Sri Lakshmi Sai Homes Netaji Street, Patamata Lanka Vijayawada, Andhra Pradesh, India

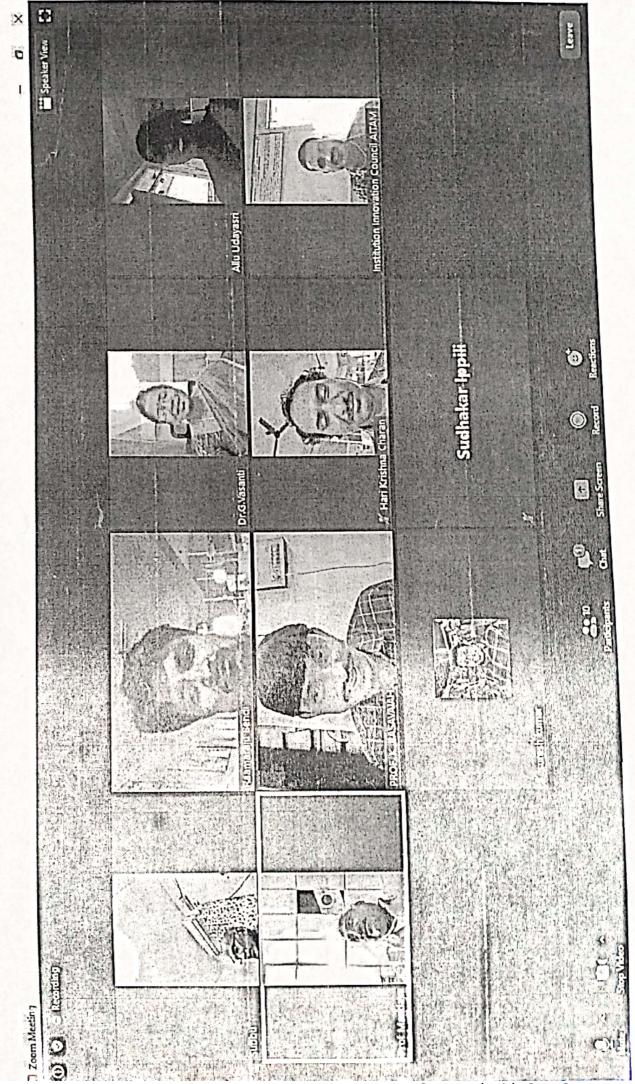
[Quoted text hidden]

Basu Keloth <klbasu@gmail.com>
To: Malla Ramanaiah <ramanaiahmalla4@gmail.com>

Sat, Dec 5, 2020 at 11:44 AM

Dear Dr. M. Ramaiah, I am accepting the revised theory and practical syllabus for Chemistry for Engineering at AITAM College.

Thanks and Regards Prof.K.Basavaiah [Quoted text hidden]



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Counseling Code

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Minutes of the 4th meeting of Board of Studies of MBA Department held at 11-00 A.M. on Saturday 28th January, 2017 in the college Campus.

Agenda:

- 1. A proposal for IVTH SEMESTER Exclusively for Project work
- To discuss about the revised course structure of MBA AR-16.
- Finalization of MBA Syllabus & specialization subjects for revised course structure.
- 4. Any other points with the permission of the Chair.

Members present:

Sl.No	Name of the Member	Designation	Nomination	Signature
1	Dr.B.Balaram	Chairman	HOD	Mela
2	Dr.D.Vishnumurty	Member	Faculty	Oyn
3	Dr.C.P.Patnaik	Member	Faculty	Outain
4	Dr.Saumendra Das	Member	Faculty	Pur.
5	Sri.N.Sai Babu	Member	Faculty	NB
6	Dr.I.Murali Krishna Rao	Member	Expert Member Nominated by Academic Council	Mushalu
7	Dr.V.Krishna Mohan	Member	Expert Member Nominated by Academic Council	lkhlores
8	Dr.N.Samba Siva Rao	Member	Expert Member Nominated by University	Olive
9	Dr.K.S.S. Ramaraju	Member	Expert Member Nominated by Academic Council	Cong
10	Sri. S.Raja Babu	Member	Alumni & Industry	S Laga baby

Points Discussed and Resolutions Passed:

- "After detailed discussion among the BOS members based on the feedback by stakeholders and members of Academic Council, total 42 numbers of courses are introduced and approved. Out of 42 courses approved. 2 are new courses, 20 are electives and 4 are related to improve Employability/Entrepreneurship/skill development".
- The Board of Studies (BOS) meeting held on 28/01/2017 in the presence of Hon'ble members in which the lead has taken to revise the existing MBA syllabus (AR16 to AR17) with appropriate and contemporary demand for the highest benefits of the students.
- The chairman of the BOS proposed the revision of the AR16 syllabus and synchronizing the 4th semester syllabus into previous semesters.
- 4. Suggestions given by the Hon'ble members of the BOS as 26 theory subjects, 2 labs and 1 project (in 4th semester) should contain the entire two years MBA programme (i. e 22 subjects in first three semesters and in 4th semester 4 specialization subjects and one project).
- 5. Also suggested that the 4th semester should contain 4 specialization papers which should be completed within the span of two months (8 hours per week*8 weeks=64 hours). The rest of the period of the 4th semester should be internship for the respective students under the close supervision of the internal faculty members even though the students got an opportunity as appointee by his/her employer.
- More emphasis by the BOS members given on the account of fullest theoretical knowledge when followed by practical knowledge (internship or job) can make students more confident and potential.
- To identify the strengths and weaknesses of the students, the Hon'ble BOS members suggested for comprehensive viva-voce at the end of 2nd semester before appearing the MID-II examination.
- 8. The changes of the subjects denoted in the annexture-1 and enclosed the same.

On this day i.e. at 11-00 A.M. on Saturday 28th January, 2017, all the 10 members of the Board of Studies are present and finally passed the resolution to implement the new structure of syllabus for 2 years MBA programme in Aditya Institute of Technology & Management (An Autonomous Institute), Tekkali.

Dr.Bora.Balaram) Chaiman, BOS MBA Department



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Department of MBA

Minutes of the Meetings

Minutes of the 5th meeting of Board of Studies of MBA Department held at 11-00 A.M. on Saturday 16th March, 2019 in the college Campus.

The following Agenda will be discussed in the meeting:

- 1. Confirmation of the minutes of previous BoS meeting
- 2. Finalization and approval of MBA course structure and 1ST year Syllabus (AR 19) as per AICTE Recommendations.
- Discussion on Examination Reform Policy of AICTE.
- 4. Any other point with permission of the Chair

Points Discussed and Resolutions Passed:

- 1. After detailed discussion among the BoS members based on the feedback by stakeholders and members of Academic Council, a total 47 numbers of subjects are introduced and approved. Among of 47 subjects; 4 new courses introduced in 1st and 2nd semester and 1new subject in 3rd semester. Electives are divided into functional and non-functional. Under functional electives 4 specializations and under nonfunctional electives 2 specializations are introduced. For the benefit of the student internship is included at the end of the 2nd semester with 2 credits and project work included at the end of 4th semester with 4 credits. As like previous regulation, preplacement training is included in 3rd semester to develop personality and communication skill among the students.
- 2. The Board of Studies (BoS) meeting held on 16/03/2019 in the presence of Hon'ble members to revise the existing MBA syllabus (AR17 to AR19) with appropriate and contemporary industrial demand for the highest benefits of the students.
- 3. The chairman of the BoS proposed the revision of the AR17 syllabus according to the uniform syllabi prescribed by the AICTE, New Delhi.
- 4. The Hon'ble members of the BoS suggested offering 47 theory subjects, internship (in 2nd semester) and 1 project (in 4th semester) in the entire two years MBA programme (i. e. 7 subjects in first three semesters and 5 subjects in 4th semester) from both functional and non-functional electives.



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- Members of BoS proposed a total of 104 credits for 26 subjects; 2 credits for internship and 4 credits for project and total 110 credits should provide for entire programme.
- The BoS members suggested to implement Choice Based Credit System in the aspects
 of choice of electives in 3rd and 4th semester academic period.
- To inculcate the social, spiritual values and morals, they suggested to introduce Indian Ethos in Legal Environment of Business and Indian Ethos.
- In order to strengthen the morality of students, each mid examination should be evaluated with maximum of 40 marks (32 marks for 4 questions) and 4marks each for assignment and presentation.
- 9. They suggested some recent subjects such as Business Analytics for Decision Making; Financial Statement Analysis & Reporting; Management Theory & Organizational Behaviour; Indian Economy & Business Environment; Entrepreneurship Development; MIS & IT Lab and Corporate Strategy & Business Ethics and approved.
- 10. BoS members given more emphasis on the account of fullest theoretical knowledge when followed by practical knowledge (internship or job) can make students more confident and potential.
- 11. The changes of the subjects denoted in the annexture-1 and enclosed the same.

On this day i.e. at 11-00 A.M. on Saturday 16th March, 2019, all the 8 members of the Board of Studies are present and finally passed the resolution to implement the new structure of syllabus for 2 years MBA programme in Aditya Institute of Technology & Management (An Autonomous Institute), Tekkali.

(Dr.B. Balaram) Chairman, BOS MBA Department







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Date: 16.08.2020

Department of MBA Minutes of the Meetings

Minutes of the 6th meeting of Board of Studies of MBA Department held through online channel between 9th to 15th August, 2020.

The following Agenda will be discussed in the meeting:

- 1. Confirmation of the minutes of previous BoS meeting
- Finalization and approval of MBA course structure and 2nd year (III Semester) Syllabus (AR 19) as per AICTE Recommendations.
- 3. Any other point with permission of the Chair.

Points Discussed and Resolutions Passed:

- BoS suggested to merge Corporate Strategy & Business Ethics as one of the subjects with 4 credits.
- It is finalised by BoS that there should be two electives in the third semester as functional and non-functional.
- 3. There are four functional electives
 - a) Marketing
 - b) Finance
 - c) HRM
 - d) Business Analytics
- BoS suggested to introduced Business Analytics as a new functional elective in the third semester
- 5. There are two non-functional electives
 - a) Micro & Small Business Management
 - b) Retail Management
- BoS suggested to include certain indirect taxation issues in the subject titled Taxation.
- Approved the syllabus of Human values (AR-18 B. Tech) which is offered to ECE (3rd Year 1st semester), CE, CSE & IT (3rd Year 2nd semester) and EEE (4th year 1st semester).

On this day i.e. in between 9th to 15th August, 2020 all the 10 members of the Board of Studies are present and finally passed the resolution to introduce the new subjects of syllabus for 2 years MBA (III Semester) programme in Aditya Institute of Technology & Management (An Autonomous Institute), Tekkali through online.

Chairman, BOS

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Date: 02.12.2020

Department of MBA

Minutes of the Meetings

Minutes of the 7th Meeting of Board of Studies of MBA Department held through online channel on 2nd December 2020.

The following Agenda is discussed in the meeting:

- 1. Confirmation of the minutes of previous BoS meeting
- Finalization and approval of MBA course structure and 2nd year (IV Semester) Syllabus (AR 19) and AR – 18 MEMS ,MEFA as per AICTE Recommendations.
- 3. Any other point with permission of the Chair.

The following points are addressed and discussed in the meeting and resolution passed:

- In "Marketing for Small Business" subject it is advised to change with certain inclusion of Case Study, Success Stories, Sickness and Skill orientation at the stand point of Marketing Management.
- It is suggested to include Derivative Markets and in specific commodity derivatives and derivative trends in the subjects "Financial Derivatives".
- It is also suggested that the subject "Finance and Accounting for Small Business" should have the inclusion of Policy frame work and Technological applications.

On this day i.e. 02nd December 2020, all the 10 members of the Board of Studies are present and finally passed the resolution to introduce the new subjects of syllabus for 2 years MBA (IV Semester) programme and certain changes are incorporated in AR 19 regulation for MBA in Aditya Institute of Technology & Management (An Autonomous Institute), Tekkali through online.

(Dr.K.Venugopal) Chairman, BOS

MBA Department

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Date: 21.09.2021

Department of MBA

Minutes of the Meetings

Minutes of the 8th Meeting of Board of Studies of MBA Department held through online channel on 21st September 2021.

The following Agenda is discussed in the meeting:

- 1. Confirmation of the minutes of previous BoS meeting
- 2. Finalization and incorporation of New Syllabus of Digital Marketing and Big Data Analysis specialization in III Semester II MBA.
- 3. Any other point with permission of the Chair.

The following points are addressed and discussed in the meeting and resolution passed:

- 1. It is suggested for inclusion of "Digital Marketing" as a specialization as per the practical applications of present Industry demand.
- 2. It is suggested to include "Big Data Analytics" as specialization for growing demand of students from different technical perspectives.
- 3. In Digital Marketing the subjects such as Customer Relationship Management, Strategic Marketing and Digital and Social Media Marketing should be incorporated.
- 4. In the Big Data Analytics the subjects such as Social & Web Analytics, HR Analytics, and Marketing Analytics - I should be incorporated.

On this day i.e. 21st September 2021, all the 14 members of the Board of Studies are present and finally passed the resolution to introduce the new subjects of syllabus for 2 years MBA (III Semester) programme and certain changes are incorporated in AR 19 regulation for MBA in Aditya Institute of Technology & Management (An Autonomous Institute), Tekkali through online.

Chairman, BOS

MBA Department

