



MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE, MADANAPALLE

DEPARTMENT OF CIVIL ENGINEERING





ACCREDITED BY NBA
Affiliated to JNTUA, Ananthapuramu - Approved by AICTE, New Delhi
UGC AUTONOMOUS • ISO 9001 CERTIFIED INSTITUTION

Name of the Department: Department of Civil Engineering

List of members - Board of Studies (AY 2020-21)

S.No	Name	Designation	Position
1	Dr. Dipankar Roy	Professor & Head, MITS Madanapalle	HoD & BOS Chairman
2	Dr. H. Sudarasana Rao	Professor, JNTUA	Subject Expert (University Nominee)
3	Dr. Jaya Kumar Seelam	Principal Scientist, NIO Goa	Subject Expert (Institute Nominee)
4	Dr. Santosh G Thampi	Professor, NIT Calicut	Subject Expert (Institute Nominee)
5	Mr. Babu V Sundararaman	Technical Officer- Design NFC, DAE, Hyderabad	Industry Expert (Institute Nominee)
6	Dr. Bali Reddy	Associate Professor, MITS	Faculty Member
7	Dr. Brijesh Kumar	Sr. Assistant Professor, MITS	Faculty Member
8	Dr. N. Amaranatha Reddy	Sr. Assistant Professor, MITS	Faculty Member
9	Dr. Biraja Prasad Mishra	Sr. Assistant Professor, MITS	Faculty Member
10	Dr. Sudheer Y	Sr. Assistant Professor, MITS	Faculty Member
11	Dr. Swapnil Jaiswal	Sr. Assistant Professor, MITS	Faculty Member
12	Dr. Vinod Kumar	Sr. Assistant Professor, MITS	Faculty Member
13	Mr. G. Balamurugan	Assistant Professor, MITS	Faculty Member


**Head of the Department of
Civil Engineering
Madanapalle Institute of
Technology & Science
MADANAPALLE - 517 325**


**Principal
Madanapalle Institute of
Technology & Science
MADANAPALLE**










Minutes of Meeting

The VII BOS for Department of Civil Engineering, MITS Madanapalle has been conducted on 18/08/2020 through Microsoft Teams between 5:00-7:30PM.

The agenda of the meetings were following-

1. Detail discussion of B.Tech 3rd year syllabus.
2. Discussion on open electives offered by the Department.
3. Discussion on the structure of Minor and Honors degree program offered by Department.
4. Discussion on M.Tech (Structural Engineering) R-20 syllabus
5. Any other matter with the permission of chair

Members Present:

Dr. Dipankar Roy	Professor & I/C HoD – Civil Engineering Department (BOS Chairman),	
Dr. H. Sudarasana Rao	Professor, Department of Civil Engineering, JNTU Anantapur (Subject Expert University Nominee)	
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The members had the detailed discussion and the following suggestions/concerns have been arises
UG- B.Tech 3rd Year


1. The experts have suggested to fix the standard of latest two text books and four references for all the subjects.
2. Experts also suggested to convert 3+0+0 credits to 2+1+0 for all analysis and design subjects like AOS-I and AOS-II, DSS etc.
3. 18CE108 (AOS-I): Propped Cantilever beams portion should be added in the Unit-1 (i.e. in Fixed and Continuous beams). Two Hinged arches portion also need to be added along with three Hinged arches in Unit-V
4. 18CE111 -AOS-II: Include truss analysis using force method in unit-I. Two bay Two storey portal frame analysis using Kani's method need to be included in the Unit – II. Unit III and Unit IV should be

interchanged. Single bay single story portal frame analysis for both stiffness and flexibility methods with and without sway need to be included in respective units.

5. 18CE109 (Geo-Technical Engineering): Few Introductory and over lapping topics from Irrigation Engineering such as seepage and Darcy law should be removed and one complete unit related to introductory foundation Engineering should be included.
6. 18CE206-CABD Lab: It's syllabus need to be modified and need to be structured as other laboratory, however theoretical portions may be taught in the lab class and can be mentioned in the lesson plan. It can be divided into two parts (A) Building Planning and Drawing, and (B) Design and drawing of RCC and Steel structure.
7. 18CE207- CT Lab: These all experiments should be made to 12 by combining few of them and by removing special concrete experiments. The NDT test can be merged with compressive strength of concrete test. Experts further suggested to include IS sieve method and surface area measurement by planes apparatus. They also suggested to change from 'Comprehensive strength of cement mortar' to "Finding out the grade of cement". Further they have suggested for removing the 'for demonstration' words from Non-destructive testing on concrete. They also suggested to remove Special Concrete section and to combine all the brick tests at one.
8. 18CE112-Transportation Engineering Subject, experts suggested as follows; Unit I: Rewrite and remove few elementary and history of transport topics and include the Highway martials in unit-I. Unit III: Take design of intersection from unit 4 to unit 3, Unit V: revise the unit and include railway engineering, airport ar^d harbours.
9. 18CE113-DCS: Modify unit-I directly jump into simple design rather than introduction. Unit -I should be included include the design of singly reinforced beam using working stress method. Unit Vth should be added with combined footing.
10. 18CE411: Environmental Impact Assessment (EIA) subject should follow the new regulation.
11. For Minors and Honours, they have suggested to refer the University guidelines and structures.

PG- M.Tech (SE): R-20

1. For 18SEP103 course, experts suggested for the solution techniques is to be removed. Add the following in Isoparametric Elements: Isoparametric Formulation of the Bar Element Stiffness Matrix -- Isoparametric Formulation of the Plane Element Stiffness Matrix. And, Instead of Direct Stiffness Method include the Axisymmetric Elements. Same recommendation has been given for 18CE410 course.
2. In PG course structure, the experts suggest the following;
 - a. Change the name of "Design of Plates and Shells"
 - b. Remove "General Fracture Mechanics of Concrete" with "Fractural Mechanics"
3. Make uniformity in the number of DE subjects say three for all.



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डॉ. जय कुमार सीलम / Dr. Jaya Kumar Seelam
वरिष्ठ प्रमुख वैज्ञानिक / Senior Principal Scientist
सी.एस.आर. आर. राष्ट्रीय समुद्र विज्ञान संस्थान
CSIR - National Institute of Oceanography
दोना पावला, गावा / Dona Paula, Goa 403004
भारत / India

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30/1/2020
C. BABU .V. SUNDARARAJAN
TECHNICAL OFFICER
CED, NFC, HYDERABAD



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(UGC-AUTONOMOUS)



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, NewDelhi
Recognised Research Center, Accredited by NBA, NAAC for CSE, ECE, EEE, ME & MBA
World Bank funded Institute, Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956
Recognised as Scientific & Industrial Research Organization by DSIR of DST

Department of Civil Engineering

18.01.2019

Member of Board of Studies-AY 2019-20

Sl. No.	Name of the Member	Composition as per UGC-Autonomous Guidelines	Designation and Address
1	Dr. Dipankar Roy	Head of the Department Concerned (Chairman)	Associate Professor & I/C HoD – Civil Engineering Department (CED)
2	Dr. Bali Reddy	Subject Expert-Geotechnical Engineering	Sr. Assistant Professor, CED, MITS
	Dr. Brijesh Kumar	Subject Expert-Water Resources Engineering	Sr. Assistant Professor, CED, MITS
	Dr. Suprava Jena	Subject Expert-Transportation Engineering	Sr. Assistant Professor, CED, MITS
	Dr. N. Amaranatha Reddy	Subject Expert-Structural Engineering	Sr. Assistant Professor, CED, MITS
	Dr. Abhilash T Nair	Subject Expert-Environmental Engineering	Sr. Assistant Professor, CED, MITS
	Dr. Aneesh Mathew	Subject Expert-Water Resources Engineering	Sr. Assistant Professor, CED, MITS
	Dr. Avadhoot Bhosale	Subject Expert-Structural Engineering	Sr. Assistant Professor, CED, MITS
	Mr. Biraja Prasad Mishra	Subject Expert-Structural Engineering	Assistant Professor, CED, MITS
	Mr. G. Balamurugan	Subject Expert-Construction Planning	Assistant Professor, CED, MITS
	Mr. Sanjay Kumar A C	Subject Expert-Structural Engineering	Assistant Professor, CED, MITS
3	Prof H. Sudarsana Rao	One expert to be nominated by the Vice-Chancellor from a panel of six recommended by the college Principal	Director IIIT, Idupulapaya, Kadapa Dist. Andhra Pradesh Ph. No. 9393088822

4	Mr. Babu V Sundararaman	One representative from industry/corporate sector/allied area relating to placement	Technical Officer- Design Civil Engineering Division, Nuclear Fuel Complex, Department of Atomic Energy, Government of India, Hyderabad Ph: +91-9908396018
5	Dr. Jaya Kumar Seelam	Subject expert from outside the Parent University to be nominated by the Academic Council	Principal Scientist, CSIR and Associate professor Ac SIR School of Oceanography, Donapaula, Goa Ph.No: 08805524264
6	Dr. Santosh G Thampi	Subject expert from outside the Parent University to be nominated by the Academic Council	Department of Civil Engineering. Professor, National Institute of Technology Calicut, NITC Campus. P.O, Calicut Ph. No: 94009 87491, 94462 53066 - 673601



Dr. Dipankar Roy

Assoc. Professor and Head
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Dr. C. Yuvaraj

Professor and Principal
MITS, Madanapalle

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
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Minutes of meeting of Civil Engineering Dept. of BOS meeting VI for B. Tech held on 15/06/2019 in the conference room between 11.00 AM to 1.30 PM,

Members Present

Dr. Dipankar Roy	BOS Chairman, Professor & I/C HoD-Civil Engineering
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Dr. Jaya Kumar Seelam	Principal Scientist, CSIR and Professor, AcSIR School of Oceanography, Dona Paula, Goa
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Dr. Avadhoot Bhosale	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
Mr. Sanjay Kumar A C	Assistant Professor, Dept. of Civil Engineering, MITS

Board of studies meeting was held and the following points were discussed and suggested by the committee.

1. Construction Technology Laboratory (18CE201) can be shifted after Building Material and Construction (18CE104) course, else Building Material and Construction (18CE104) course can be released and merged in Construction Technology laboratory (18CE201) and syllabus can be modified accordingly.
2. Courses on Quantity surveying (18CE114), Construction planning and Management (18CE402) subjects can be merged as a single course and can be made as a core course.
3. In Structural Analysis course, unit V based on arches, bridges, are advanced topics can be changed to "Introduction to Arches, bridges and analysis" or moved to Advanced Structural Analysis as elective.
4. For mathematics courses, it is suggested that make four mathematics courses to three mathematics courses including modifications by adding relevant topics.
5. Complex Variable and Transformation Calculus (18MAT103) course may not be mandatory. Structural or any other core courses can be added with the course with addition of some mathematical principles in the syllabus.
6. For some of the labs, lab hours may be reduced from three hours to two hours.

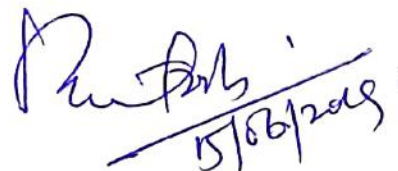

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15/6/19.


15/6/19

7. For Surveying and Geomatics (18CE205) Laboratory, old methods of survey techniques can be removed from the Surveying Laboratory (18CE205) syllabus.
8. All the experiment lists in the Instrumentation and Sensor Technology laboratory can be shifted to their respective core laboratories like Surveying and Geomatics Laboratory (18CE205) or any other structural labs.
9. It is suggested that rename Instrumentation and Sensor Technology laboratory course as Advanced Civil Laboratory or something appropriate.
10. Building Forensic can be introduced as an elective course.
11. Remove water absorption test from the list of experiments in Concrete Technology Laboratory (18CE206). It is suggested to remove some of experiments in Concrete Technology Laboratory (18CE206) because they are not significant and required for under graduate level.
12. Concrete Technology course may be included in second year.
13. Students are encouraged to take minimum of two MOOC courses.
14. Students are also encouraged to take some of the mandatory courses as MOOC courses.


(Dr. Dipankar Roy)


(Dr. Santosh G Thampi)


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Recognised Research Center, Accredited by NBA, NAAC for CSE, ECE, EEE, ME & MBA
World Bank funded Institute, Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956
Recognised as Scientific & Industrial Research Organization by DSIR of DST

Department of Civil Engineering

20.01.2018

Member of Board of Studies-AY 2018-19

Sl. No.	Name of the Member	Composition as per UGC-Autonomous Guidelines	Designation and Address
1	Dr. Dipankar Roy	Head of the Department Concerned (Chairman)	Associate Professor & I/C HoD – Civil Engineering Department (CED)
2	Dr. P. Perumal	Subject Expert-Structural Engineering	Sr. Professor, CED, MITS
	Dr. Bali Reddy	Subject Expert-Geotechnical Engineering	Sr. Assistant Professor, CED, MITS
	Dr. Brijesh Kumar	Subject Expert-Water Resources Engineering	Sr. Assistant Professor, CED, MITS
	Mr. N. Amaranatha Reddy	Subject Expert-Structural Engineering	Assistant Professor, CED, MITS
	Mr. Manu D. S	Subject Expert-Environmental Engineering	Assistant Professor, CED, MITS
	Mr. Aneesh Mathew	Subject Expert-Water Resources Engineering	Assistant Professor, CED, MITS
	Mr. Avadhoot Bhosale	Subject Expert-Structural Engineering	Assistant Professor, CED, MITS
	Mr. Biraja Prasad Mishra	Subject Expert-Structural Engineering	Assistant Professor, CED, MITS
	Mr. G. Balamurugan	Subject Expert-Construction Planning	Assistant Professor, CED, MITS
	Mr. Sanjay Kumar A C	Subject Expert-Structural Engineering	Assistant Professor, CED, MITS
3	Prof. C Shashidhar	One expert to be nominated by the Vice-Chancellor from a panel of six recommended by the college Principal	Controller of Examinations, Department of Civil Engineering, JNTUA, Ananthapur Ph. No: 9440944980

4	Mr. Babu V Sundararaman	One representative from industry/corporate sector/allied area relating to placement	Technical Officer- Design Civil Engineering Division, Nuclear Fuel Complex, Department of Atomic Energy, Government of India, Hyderabad Ph: +91-9908396018
5	Dr. Jaya Kumar Seelam	Subject expert from outside the Parent University to be nominated by the Academic Council	Principal Scientist, CSIR and Associate professor Ac SIR School of Oceanography, Donapaula, Goa Ph.No: 08805524264
6	Dr. M. Amaranatha Reddy	Subject expert from outside the Parent University to be nominated by the Academic Council	Associate Professor, Civil Engineering Department, IIT Kharagpur Phone: 091-3222-283450(O); 283451(R)

Dr. Dipankar Roy

Assoc. Professor and Head
Civil Engineering Department
MITS, Madanapalle

*Head of the Department
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Dr. C. Yuvaraj

Professor and Principal
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PRINCIPAL

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Minutes of meeting of Civil Engineering Department of BOS meeting V for B. Tech and II for M. Tech held on 30/06/2018 in the Conference room between 10.00 am – 2.00 p.m

Members Present:

Dr. Dipankar Roy Department	BOS Chairman, Associate Professor & I/C HoD – Civil Engineering
Dr. M. Amaranatha Reddy	Associate Professor, Civil Engineering Department, IIT Kharagpur
Dr. Jaya Kumar Seelam	Principal Scientist, CSIR and Associate professor Ac SIR School of Oceanography, Donapaula, Goa
Prof. C Shashidhar	Controller of Examinations, Department of Civil Engineering, JNTUA, Ananthapur
Mr. Babu V Sundararaman	Technical Officer- Design Civil Engineering Division, Nuclear Fuel Complex, Department of Atomic Energy, Government of India, Hyderabad
Dr. P. Perumal	Sr. Professor, Department of Civil Engineering, MITS <i>[Signature]</i> 30/6/2018
Dr. Bali Reddy	Sr. Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i> 30/6/18
Dr. Brijesh Kumar	Sr. Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i>
Mr. N. Amaranatha Reddy	Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i>
Mr. Manu D. S	Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i>
Mr. Aneesh Mathew	Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i>
Mr. Avadhoot Bhosale	Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i>
Mr. Biraja Prasad Mishra	Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i>
Mr. G. Balamurugan	Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i>
Mr. Sanjay Kumar A C	Assistant Professor, Department of Civil Engineering, MITS <i>[Signature]</i>

Board of Studies meeting was held and the following points were discussed and suggested by the Committee.

1. Change of CADD Laboratory (18CE205) with the name “Computer Aided Building Drawing”.
2. Surveying and Geomatics along with the lab (18CE108 & 18CE208) to be shifted to II year II semester in place of Engineering Hydrology (18CE105) and CADD lab (18CE205).
3. Change of Estimation and Costing (18CE110) and structures lab (18CE209) to IV year I semester in place of subject Transportation Engineering (18CE113) along with lab (18CE210) without changing the credits.
4. Add Ground Improvement Techniques in DE-V.
5. Add Pavement Analysis and Design in DE-V.
6. Add Port Engineering (3 unit from air-port and 2 units from sea port) in DE-VI
7. Water Supply and Waste Water Engineering (18CE419) to be shifted from DE-II to DE-IV in place of Offshore Structure (18CE404).
8. To take initially few classes for unit systems and conversions. Also more emphasis should be given to presentations by the students.
9. Summer Internship duration should be of 4-6 weeks preferably from outside the Institute

M. Tech

1. To change Advance Concrete Laboratory (18SEP204) in place of Numerical Analysis Laboratory (18SEP202).

1. *[Signature]* 30/6/18

2. *[Signature]*

3. *[Signature]*

4. *[Signature]* 30/6

5. *[Signature]* 30/6/18