

**Civil Engineering**  
**BOARD OF STUDIES**

**::: VI :::**



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS)



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
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	<b>Mr. Babu V Sundararaman</b>	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	<b>Dr. Jaya Kumar Seelam</b>	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	<b>Dr. Santosh G Thampi</b>	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  
Civil Engineering Department  
MITS, Madanapalle  
*Head of the Department*  
*Civil Engineering*  
Madanapalle Institute of  
Technology & Science  
MADANAPALLE - 517 325



**Dr. C. Yuvaraj**  
Professor and Principal  
MITS, Madanapalle  
**PRINCIPAL**  
Madanapalle Institute of Technology & Science  
PO Box NO. 14, Kadiri Road, Angallu  
MADANAPALLE - 517 325 A P



**MADANAPALLE INSTITUTE OF  
TECHNOLOGY & SCIENCE  
(UGC-AUTONOMOUS)**

Affiliated to JNTUA, Anantapur & Approved by AICTE, New Delhi  
Recognised Research Center  
Accredited by NBA for CSE, ECE, EEE & ME  
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  
Approval of Board of Studies Committee Members  
Academic Year: 2019-2020**

1) Chair Person: HoD, Department of Civil Engineering, MITS

2) Members: Ratified & Senior Faculty of the Department

3) Experts in the subject:

**1. Dr. Santosh G Thampi**  
Department of Civil Engineering,  
National Institute of Technology Calicut,  
NITC Campus, P.O.,  
Calicut – 673601  
Ph. No: 94009 87491, 94462 53066

**2. Dr. Jaya Kumar Seelam**  
Principal Scientist, CSIR and  
Associate Professor, AcSIR School of Oceanography,  
Dona Paula, Goa.  
Ph.No: 8805524264

4) Expert nominated by the V. C.:

**Prof H. Sudarsana Rao**  
Director IIIT  
Idupulapaya, Kadapa Dist.  
Andhra Pradesh

5) Industry Expert:

**Mr. Babu V Sundararaman**  
Technical Officer - Design  
Civil Engineering Division  
Nuclear Fuel Complex  
Department of Atomic Energy, Government of India  
Hyderabad  
Ph. No: 9908396018

  
29/5/19  
Head of the Department  
Civil Engineering  
Madanapalle Institute of  
Technology & Science  
MADANAPALLE - 517 325

  
PRINCIPAL  
PRINCIPAL  
Madanapalle Institute of Technology & Science  
PO Box NO. 14, Kadiri Road, Angali  
MADANAPALLE - 517 325 A.P.

80

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
Dr. Santosh G Thampi	Professor, Dept. of Civil Engineering, National Institute of Technology Calicut
Dr. Jaya Kumar Seelam	Principal Scientist, CSIR and Professor, AcSIR School of Oceanography, Dona Paula, Goa
Dr. Abhilash T. Nair	Associate Professor, Dept. of Civil Engineering, MITS
Dr. S. Bali Reddy	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
Dr. Aneesh Mathew	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
Dr. N. Amaranatha Reddy	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
Dr. Suprava Jena	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
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.


  
3/07/19

  
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)

  
(Dr. Jaya Kumar Seelam)

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
Dr. Santosh G Thampi	Professor, Dept. of Civil Engineering, National Institute of Technology Calicut
Dr. Jaya Kumar Seelam	Principal Scientist, CSIR and Professor, AcSIR School of Oceanography, Dona Paula, Goa
Dr. Abhilash T. Nair	Associate Professor, Dept. of Civil Engineering, MITS
Dr. S. Bali Reddy	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
Dr. Aneesh Mathew	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
Dr. N. Amaranatha Reddy	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
Dr. Suprava Jena	Sr. Assistant Professor, Dept. of Civil Engineering, MITS
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.

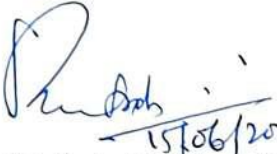
*Pass*  
3/7/19

*S.S.*  
15/6/19

*S.S.*  
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.

  
15/6/19  
(Dr. Dipankar Roy)

  
15/06/2019  
(Dr. Santosh G Thampi)

  
(Dr. Jaya Kumar Seelam)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR  
(Established by Govt. of A.P., ACT No.30 of 2008)  
ANANTHAPURAMU – 515 002 (A.P) INDIA

Prof. M. Vijaya Kumar  
M.Tech., Ph.D.



Ph:08554-272433 Fax:08554-272437  
Mobile: 9908088806  
Email:registrar@jntua.ac.in

REGISTRAR

Lr.No:DAAO/A2/MITS(A)/Experts-Board of Studies/Revised/2019 Date:30/07/2019

To  
The Principal,  
Madanapalle Institute of Technology & Science (Autonomous),  
P.B. No.14, Angallu, Madanapalle,  
Chittoor Dist.-517 325

Sir,

Sub:- JNTUA – Academic Audit – Change of subject expert member to Civil Engineering Board of Studies to the Autonomous college from the academic year 2019-20– Reg.

Ref:-1. Lr.No:DAAO/A2/MITS(A)/Experts-Board of Studies/2019,  
dated:15/05/2019.

2. Note file orders of the Vice-Chancellor dated:03-07-2019.

\*\*\*

As per the ref.(1) cited, Prof. H. Sudarsana Rao was nominated as Subject Expert Member of Civil Engineering to the Board of Studies of Madanapalle Institute of Technology & Science (Autonomous), P.B. No.14, Angallu, Madanapalle, Chittoor Dist. Now, that Prof. H. Sudarsana Rao, Prof. of Civil Engineering and former DAA, JNTUA has gone on deputation as Director, IIIT, Idupulapaya, the Hon'ble Vice-Chancellor is pleased to appoint **Prof. D. Neeraja**, Prof. in Civil Engineering Dept., JNTUA College of Engineering, Kalikiri in place of Prof. H. Sudarsana Rao, as per the ref.(2) cited above.

The term of the nominated member will be two years or till the time Prof. H. Sudarsana Rao, returns from deputation before two years from the date of this order. The Board of Studies shall meet at least twice a year.

Yours faithfully,


  
2017  
REGISTRAR i/c

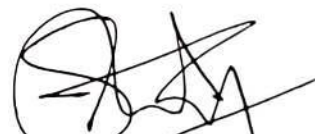
To.  
Civil - Dept  
A.J.

  
2017

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.

  
15/06/19  
(Dr. Dipankar Roy)



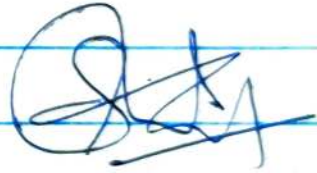
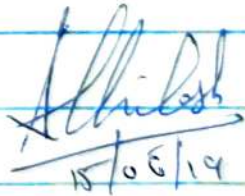

  
15/06/2019.  
(Dr. Santosh G Thampi)

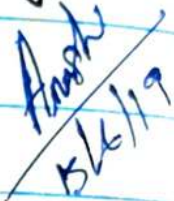

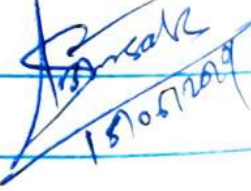

  
(Dr. Jaya Kumar Seelam)

BOS-VI

Board of studies meeting is held on 15-06-2019 in the conference room of Madamapalle Institute of Technology and Science to discuss about R18 syllabus. Minutes of this meeting are following.

Members Present:

Sr.No.	Name	Designation	Signature :
1.	Dr. Dipankar Roy	BOS chairman E, I/C HOD, dept. of Civil Engineering, MITS Madamapalle.	 15/6/19
2.	Dr. Santosh G. Thampi	Professor, Dept. of Civil Engineering NIT, Calicut.	
3.	Dr. Jaya Kumar Seetham	Principal Scientist CSIR and Associate Profenor, ACSIR School of Oceanography Goa.	
4.	Dr. Abhilash T. Nair	Associate Profenor Dept. of Civil Engg. MITS	 15/06/19
5.	Dr. S Bali Reddy	Sr. Asst. Profenor Dept. of Civil Engg. MITS.	 15/6/19.

Sl. No.	Name	Designation	Signature.
6.	Dr. Anesh Mathew	Sr. Asst. Professor Dept. of Civil Engg. MITS	 15/6/19
7.	Dr. Amaranatha Reddy N.	Sr. Asst. Professor Dept. of Civil Engg. MITS.	
8.	Dr. Seprava Jena	Sr. Asst. Professor Dept. of Civil Engg. MITS.	 15/06/19
9.	Dr. Avadhoot Bhosale	Sr. Asst. Professor Dept. of Civil. Engg MITS	 15/05/2019
10	Mr. Sanjay Kumar AC	Assistant Professor Dept. of Civil Engg. MITS	 15/6/19

1. Disaster Management (Can be considered as an Elective Subject.)

2. Construction Technology  
Should be shifted after completion of Building Material and Construction.

Else → BMC Syllabus can be covered in CT Lab and the Syllabus can be modified accordingly.

3. Subjects like Quantity Surveying, Valuation, Construction Management etc can be merged together and Make it as a Core Subject.

## 4. Engineering Mechanics

Should be there in First year instead of putting it in 2<sup>nd</sup> year 2<sup>nd</sup> semester.

5. All the programming courses like 'C', 'C++', 'Python' etc. can be merged in to one subject.

6. The name of

6. Unit-V of Structural analysis (based on arches and Bridges) can be named as Introduction to arches, bridges etc.

Else shift this Unit V to the Elective Subject on Advanced Structural Analysis.

7. The courses related to Mathematics are four in total. It can be limited to three courses including / changing the <sup>total</sup> syllabus of Four Semester course works to three.
8. Complex variable and Transformational Calculus may not ~~can~~ be mandatory. Instead we can put Structural analysis or any core subjects to replace them with addition of some mathematical principles in the syllabus.
9. The lab hours can be reduced to 2 hours instead of 3 hours. (Not all labs, but some labs which can be completed in within 2 hrs)

10. For Surveying Laboratory, Old and unimportant methods of Surveyings can be removed from the syllabus of Surveying and Geometric Laboratory. (ISCE205)

11 In Instrumentation and Sensor Technology laboratory syllabus, change the word <sup>of 9th</sup> exp "Tensiometer" instead of ~~Densimeter~~. and all the experiments in the list can be shifted to their respective core laboratories (like CT, Surveying etc.).

12 ~~of~~ Rename the subject name of Instrumentation and Sensor Technology as Advanced Civil Laboratory or something related to all experiments (Suggested: ~~to~~ Building Forensics Laboratory)



13. A new elective subject can be added related ~~to~~ to "Building Forensics" in the syllabus.

14. In Concrete laboratory lab tests lists, Serial number -13. should be removed and some unimportant tests can be skipped or removed.

15. Students are encouraged to take minimum of two MOOC courses.

16. Students are also encouraged to take some of the mandatory courses as MOOC courses.