



VASIREDDY VENKATADRI  
INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

Approved by AICTE and Permanently Affiliated to JNTU Kakinada, Accredited by NAAC with 'A' Grade & NBA Accreditation

**Board of Studies MEETING**  
**LIST OF MEMBERS ATTENDED**

| S.No. | Name of the Faculty                               | Designation   | Responsibility | Signature |
|-------|---|---|----------------|-----------|
| 1     | Dr. T. Sreedhar Babu                              | Professor & Head of Department  | Chairman       |           |
| 2     | Dr. C. N. V. Satyanarayana Reddy<br>JNTUK Nominee | Professor & Head of Department, Department of Civil Engineering, Andhra University,           | Member         |           |
| 3     | Dr. P. Kodanda Rama Rao<br>Subject Expert         | Professor & Vice-Principal, Department of Civil Engineering, Gudlavelluru Engineering College | Member         |           |
| 4     | Dr. B. Jayarami Reddy<br>Subject Expert           | Professor & Director, RGUKT, Ongole   | Member         | Absent    |
| 5     | Mr. Pagadala Rajesh<br>Industry Nominee           | Managing Director Pagadala Construction Pvt. Ltd  | Member         | Absent    |
| 6     | Dr. N. Kumara Swamy                               | Professor, Department of Civil Engineering, VVIT  | Member         |           |
| 7     | Dr. R. Ratna Prasad                               | Professor, Department of Civil Engineering, VVIT  | Member         |           |
| 8     | Mr. S. Farooq Ahmed                               | Associate Professor, Department of Civil Engineering, VVIT                                    | Member         |           |
| 9     | Mr. D. Aditya Sai Ram                             | Assistant Professor, Department of Civil Engineering, VVIT                                    | Member         |           |
| 10    | Mr. Ch. Sukesh                                    | Assistant Professor, Department of Civil Engineering, VVIT                                    | Member         |           |
| 11    | Mr. Shaik Mohammad Khasim<br>Alumni Member        | Assistant Engineer, Public Health Engineering Department, Government of Andhra Pradesh        | Member         |           |

Principal

HOD, CE

DR. T. SREEDHAR BABU  
H.O.D. Department of Civil Engineering,  
Vasireddy Venkatadri Institute of Technology

**Department of Civil Engineering**  
**Board of Studies meetings Held**

| M#              | Date       | Purpose  | Remarks  |
|-----------------|------------|--|----------|
| 0 <sup>th</sup> | 15-12-2018 | Re-constitution of BOS for proposed Autonomous status  | Internal |
| 1               | 23-04-2019 | Proposed Course Structure and Syllabus for R19 Regulation  | Internal |
| 2               | 20-07-2019 | Program Structure and Syllabus of I Year for R19 Regulation  | External |
| 3               | 05-06-2020 | Proposal of R19 Regulation syllabus for II Year  | Internal |
| 4               | 06-08-2020 | R19 Syllabus for II Year   | External |
| 5               | 12-01-2021 | Proposed Course Structure and Syllabus for R20 Regulation  | Internal |
| 6               | 31-03-2021 | Proposal of III Year Syllabus of R19 Regulation  | Internal |
| 7               | 22-05-2021 | Syllabus of R19 III Year and Course structure and Syllabus of I year and II Year of R20 Regulation | External |
| 8               | 09-06-2022 | Proposed IV year Syllabus for R19 Regulation and III year and IV year of R20 Regulation            | Internal |
| 9               | 18-06-2022 | Syllabus of R19 IV Year and Syllabus of III& IV of R20 Regulation                                  | External |



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**File Ref: VVIT/CE/BoS/MoM/2022/June-2**

**Date: 20-06-2022**

Minute of 4<sup>th</sup> External Board of Studies Meeting-Civil

Held on 18<sup>th</sup> June 2022 during 10:00 AM – 01:00PM

Convened by:

Dr. T. Sreedhar Babu, Chairman, BoS, Department of Civil Eng

Venue: Microsoft Teams Platform

Members Attended:

1. Head of Institution Dr. Y. Mallikarjuna Reddy
2. Dean of Academics Dr. K. Giri Babu
3. Bos Members of Civil Engineering

Agenda:

1. Confirmation of 3<sup>rd</sup> external Board of studies meeting minutes
2. To discuss the detailed Syllabi of IV Year for the regulation R19
3. To discuss the detailed Syllabi of III Year and IV Year for the regulation R20.
4. R19 M.Tech Course structure and Syllabus review
5. Review of MOOCs guidelines
6. Any other matter with the permission of the Chair.

Opening Remarks:

Dr. T. Sreedhar Babu, Chair, Bos, Civil Engineering invited all the members and presented the agenda of the meeting. The softcopies of important documents for the meeting are shared to the members. Dr. T. Sreedhar Babu revealed the progress of current R19 and R20 batches of students and their performance in curriculum and syllabus perspective.

Later, Chairman, Bos of Civil Engineering presented the R20 regulation Course Structure, detailed syllabus of III and IV years, R19 regulation detailed syllabus of IV year. A thorough conformance of curriculum with that of stipulations made by standards academic governing bodies was also done.

The confirmed minutes after the 4<sup>th</sup> EXTERNAL Board of Studies meeting held during 18-06-2022 are inscribed below.

**Item 4.1:** Conformation of 3<sup>rd</sup> External Board of Studies meeting minutes

Head of Institute Dr. Y. Mallikarjuna Reddy, introduced the changes in the BoS members.

Dr. R. Ratna Prasad, member of BoS, CE presented the analysis report on execution of R19 and R20 existing syllabus and stated that its being done in a formal way without any deviations in syllabus perspective.

The BoS members conformed the 3<sup>rd</sup> BoS meeting minutes.

**Resolution 4.1:**

Confirmed the 3<sup>rd</sup> BoS meeting minutes and unanimously approved and decided to continue same efforts.

**Item 4.2:** To discuss the detailed Syllabi of IV Year for the regulation R19

Mr. Ch. Sukesh presented the detailed syllabi for R19 Final year of study. The members made their presentation of IV-I and IV-II Syllabus for each course. The merits from each syllabus design were taken and an optimized syllabus were taken and on optimised syllabus made for each course.

- Dr. C. N. V. Satyanarayana Reddy has suggested incorporating friction circle method and Taylors stability number in unit I, Cyclic pile load test in Unit IV of Foundation engineering.
- Dr. C. N. V Satynarayana Reddy enquired about inclusion of under reamed piles in the Advanced foundation engineering which was already incorporated in unit V of the syllabus
- Dr. P. Kodanda Rama Rao has suggested checking for typographical errors in every subject before finalizing the syllabus.
- Dr. C. N. V. Satyanarayana Reddy recommended adding “Engineering Principals of ground Modification by Manfred R. Hausmann” as a reference book in the Ground Improvement Techniques subject.
- Dr. C. N. V Satyanarayana Reddy recommended to change the topic of pile foundation to Single and multi Under reamed piles in cohesive

soils in the unit I of Special Geotechnical Construction, which was done as per the suggestions.

- Dr. P. Kodanda Rama Rao suggested to add 3Dimensional Analysis word before the topics of Unit I of Advanced Structural Analysis
- Dr. P. Kodanda Rama Rao had suggested to incorporate topic of end block design in the prestressed concrete subject which we incorporated in the last unit as per the suggestions

#### **Resolution 4.2:**

The structure and detailed syllabus of R19 is approved by the members. The proposed R19 B.Tech IV Year Syllabi of Civil Engineering are approved by members with minor changes

**Item 4.3:** To discuss the detailed Syllabi of III Year and IV Year for the regulation R20.

Dr. T. Sreedhar Babu presented the R20 course structure for III and IV years to all the members, subject experts and module coordinators, demonstrated their course syllabus. The merits from each syllabus design were taken and an optimized syllabus were taken and on optimised syllabus made for each course.

- Dr. P. Kodanda Rama Rao inquired about detailed topics that were to be incorporated in Estimation Specification and Contracts
- Dr. P. Kodanda Rama Rao had suggested to incorporate topic of end block design in the prestressed concrete subject which we incorporated in the last unit as per the suggestions
- Dr. C. N. V Satyanaraya Reddy had suggested to incorporate GATE topics that are important in the Water Resources Engineering subject
- Dr. P. Kodanda Rama Rao inquired about incorporation of hydraulic structures designs in professional electives of water resources specialization, Dr. T. Sreedhar Babu explained that a professional elective is provided in Professional Elective VI

- Dr. P Kodanada Rama Rao inquired about inclusion of aqueduct design in Design of Irrigation Structures elective which is incorporated in the fifth unit of the subject.
- Dr. P. Kodanda Rama Rao had suggested to remove the Advanced technology and Field Application in Skill oriented course and Suggested to concentrate on improving the software skill and interdisciplinary knowledge so that the students can get placed by the end of the course work.

**Resolution 4.3:**

The proposed R20 course structure and Syllabus for Civil Engineering are in conformance with that of AICTE, APSCHE and JNTUK's recent 2021 guidelines, in the credit breakup and layout.

The detailed syllabuses for each course in III & IV Year are approved by the members, for external presentation. R20 IV-II is directed to be fully project internship, by the statutory authorities

**Item 4.4:** R19 M.Tech Course structure and Syllabus review

The M.Tech Structural Engineering program I/C Ms. K. Sai Ramya, presented the structure. As the admission in to the M.Tech Structural Engineering are NIL for the past academic year, there are no outcome related adjustments and hence same R19 M.Tech Course structure and Syllabus are retained.

**Resolution 4.4:**

The members approved the R19 M.Tech Structural Engineering course structure and detailed Syllabus to be retained without changes.

**Item 4.5:** Review of MOOCs guidelines

Mr. S. Farooq Ahmed, informed that, **at most TWO MOOCs** courses may be done by the R19/ R20 regulation students.

The GUIDELINES for doing MOOC's courses are revised as below and unanimously approved by the committee.

- As the MOOC's courses are made optional for the R20 students, the PE-2,3 are compiled with list of courses containing MOOC's NPTEL/ SWAYAM as one of the options, as advised at institute level.
- Student can opt for any MOOC's course from the pool of courses of 12 weeks duration, as prepared by the BoS at the beginning of the semester.
- List of organizations offering MOOC's course(s), will be announced by the respected BoS, at the time of commencement of the classwork of II-II in case of R20.
- **At most TWO MOOC's courses** shall be done by the students in R20.
- For R19, the students can either register for MOOC's or its equivalent course in conventional mode and get pass grade.
- For R20, the MOOC's category course can be registered in any NPTEL spell that **can be completed during 5<sup>th</sup> to 7<sup>th</sup> semesters inclusive**.
- Upon the successful completion of MOOC's course, the student has to submit the certificate, before the last instruction day of the concerned batch, final year first semester. A separate Marks Memo will be issued for the MOOC's course(s) completed.
- If the students fails to submit the MOOC's certificate, before the end of his final year second semester, it will be treated as a FAILURE in concerned MOOC's course.

**Resolution 4.5:**

The committee unanimously approved the revised guidelines of MOOC's exactly as that of JNTUK.

**Item 4.6:** Any other matter with the permission of the Chair

As no other points rose by the members, the meeting ended with concluding remarks and read-out of experts by the Chairmen BoS of Civil Engineering.