

Third Board of studies (B.O.S) meeting held at Civil Engineering placement cell on 08.07.2018 between 10.00 AM to 12.00 PM.

AGENDA:

- 1) Approval of III - I, III - II Autonomous syllabus as per JNTUH.
- 2) Approval of IV - I, IV - II syllabus structure (Tentative) as per JNTUH.
- 3) Approval of R18 Model curriculum course structure for I, II, III & IV Years.
- 4) Approval of R18 Model curriculum for I Year syllabus (Engineering Graphics I-II, Engineering Workshop I-II, Engineering Mechanics I-II and Computer Aided design Lab I-II) with max 15% deviation for JNTUH.

Minutes of Meeting:

The B.O.S meeting suggested the following points including modifications and changes.

- 1) The total credit of R17 course structure (III & IV Year) is increased to 202 credits as per the TERCET academic regulations for the year 2017-18.
- 2) In B.TECH - III Year I semester course structure, Professional Elective - I has been added that consist of the following optional subjects : 1. Bridge Engineering, 2. Construction Equipment, and materials and 3. Traffic Planning and Design.
- 3) B.TECH III Year I semester : In Concrete Technology subject, subtitle of crack basic concept is added under unit-III and self healing concrete is added under unit-IV. Text

books and reference books have been rearranged. Reference books of IS 456-2000, Plain and reinforced concrete - code of practice and IS 10262-2009 are added. In Design of Reinforced concrete structures subject, a text book of "Reinforced concrete Design" by N. Krishna Raju is added. In Water Resource Engineering subject, subtitles of SCS curve number and Introduction of Flood frequency are added under unit-II. Also a text book of "Irrigation and hydraulic structures" by S.K. Garg, Khanna Publishers is added. In Fundamentals of Management subject, subtitles of stress management and counseling and Management of change are added. Also a reference book of Harold Koontz and Heinz Weihrich 2010, Essentials of Management, TMH is added. In Concrete Technology Lab, a reference book of IS 516(1959) - Method of Tests for strength of concrete is added.

4) In B.TECH - III Year II semester course structure, Professional elective - III has been added that consist of the following optional subjects: 1. Ground Improvement Techniques. 2. Infrastructure Planning and Management. 3. Elements of Earthquake Engineering.

5) B.TECH III Year II semester: In Design of steel structures subject, reference books of IS 800-2007 and SP-6 are added. In Environmental Engineering subject, text books of "Water supply and Environmental Engineering" by J.S. Birdie and G.S. Birdie, Dhanpat Raj Publications and "Environmental Engineering" by S.K. Garg, Khanna Publications is added. In Soil Mechanics subject,

subtitle of sieve analysis, consistency limits and indices and its classification of soil are added under unit-I. Also a reference book of "Soil Mechanics and foundation engineering" by Dr. A.R. Arora, standard publisher and Lexmi Publications are added. In Professional Elective - II, Air pollution and control subject, a reference book of "Air pollution and control techniques by D. Anjaneyulu, allide publishers, Mumbai is added. In Professional Elective - III Advanced structural Analysis, pre requisites (Basic Mathematics, Engineering Mechanics, strength of Materials and structural Analysis-I) is added. Similarly, a subtitle of Elastic curve is added under unit-II, a subtitle of system approach for using stiffness and flexibility method is added under unit-III. Also text book of "Indeterminate structural analysis" by K.V. Muthu et-al, I.K. International Publishers & other '2' text books "Basic structural analysis" by K.V. Muthu, Maganti Janardhana, Azmi Ibrahim, I.K. International Publisher and, structural Analysis vol-I & II by Bhavikatti, Vikas Publisher are added. In Professional elective - III, Ground water development & Management, a reference book of Ground water assessment, development and Management by K.R. Karanth, Tata Mc. Grawhill Education, 1987 is added. In Professional elective - III, Earth and Rockfill dams and slope stability, a reference book of soil strength and slope stability, J. Michael Duncan, Stephan G. Wright, Thomas L. Brandon, Wiley publisher is added. In soil Mechanics Lab, Determination of specific gravity of soil by pycnometer experiment is added.









b) In B.TECH - II Year 3 semester, course structure, Professional elective - III has been added that consist of three optional subjects.

7) In JNTUH - R17 (R16 Modified) Course structure credits for B.TECH in Year I semester, in Year II semester and in Year - I semester have been increased from 24 to 27 credits.

8) The R18 Model curriculum (2018-19) for B.TECH I semester to VIII semester have been finalised with the following credits : semester I - 22 credits, semester II - 19.5 credits, semester III - 19.5 credits, semester IV - 19.5 credits, semester V - 19 credits, semester VI - 22 credits, semester VII - 21.5 credits and semester VIII - 17 credits with totaling of 160 credits. Project Work will be carried out in 2 stages during VII and VIII semester.

9) The syllabus of I year (I and II semester) R18 - Model curriculum (2018-19) has been finalised for the following subjects : Engineering Graphics-I, Engineering Workshop I-II, Engineering Mechanics I-II, and Computer Aided design Lab I-II.

### Members Present

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|--------------------------------|-------------------|---|
| 1. Dr. Durai Asulneyam         | Chairman          | <br>8.7.2018  |
| 2. Mrs. G. Durga Prasad        | Member            |                |
| 3. Mrs. G. Tirupathi           | Member            | <br>8/7/2018  |
| 4. Dr. M. Janardhana           | Prof-JNTUH/Member | <br>08/7/2018 |
| 5.                             |                   |   |
| 6. Dr. C.S.V Subrahmanya Kumar | Member            | <br>11/7/18   |
| 7. Dr. C. Hari Prasad          | Member            | <br>11/7/18  |
| 8. Mr. Malla Reddy. M.         | Member            | <br>11/7/18   |
| 9. Mr. K.V.R. Satya Sai        | Member            | <br>8/7/2018 |