

TkR College of Engineering and Technology.
Civil Engineering Department
10 Board of studies Minutes of Meeting.

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 II-S, III-SI Autonomous syllabus as per JNTUH.
- 2) Approval of IV-S, V-SI 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-SI, Engineering Workshop I-SI, Engineering Mechanics I-SI 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 (II & IV Year) is increased to 20 credits as per the TkRCET academic regulations for the year 2017-18.
- 2) In B.TECH - IV 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 in Year I Semester : In concrete Technology subject, subtitle of basic concept is added under unit-III and self healing concrete is added under unit-V. 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-5. Also a text book of "Irrigation and hydraulic structures" by S.K. Gupta, 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.

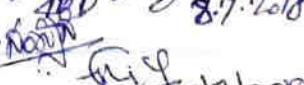
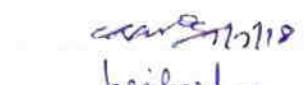
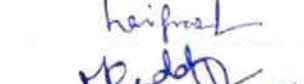
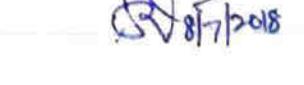
- 4) In B.TECH - II Year I Semester course structure, Professional elective - III has been added that consist of the following optional subjects : 1. Ground Improvement Techniques. 2. Infrastructure Planning and Management. 3. Elements of Earthquake Engineering.
- 5) B.TECH II Year II Semester: In Design of steel structures subject, reference books of IS 800-2007 and SP-6 are added. In Environmental Engineering subject, text book of "Water supply and Environmental Engineering" by J.S. Birdie and G.S. Birdie, Dhanpat Rai Publications and "Environmental Engineering" by S.K. Gupta, Khanna Publications is added. In Soil Mechanics subject,

subtitles 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 Laxmi Publications are added. In Professional Elective -**I**, Air pollution and control subject, a reference book of "Air pollution and control techniques" by D. Anjaneyulu, Allide publisher, Mumbai is added. In Professional Elective -**II** Advanced structural Analysis, pre requisites (Basic Mathematics, Engineering Mechanics, strength of Materials and structural Analysis -**I**) is added. Similarly, a subtitle's of Elastic curves added under unit-**II**, a subtitle of system approach for using stiffness and flexibility method is added under unit-**IV**. Also text book of "Indeterminate structural analysis" by K.V. Muthu et.al, S.K. International publisher & other 'o' text books - "Basic structural analysis" by K.V. Muthu, Maganti Janardhana, Azmi Ibrahim, I.I.E. International Publisher and, structural Analysis vol-I & II by Bharikatti, 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. Venkateswara, Tata Mc Graw Hill Education, 1987 is added. In professional elective -**IV**, 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.

- 6) In B.TECH - **IV** Year 2 semester, course structure, professional elective -**VI** 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, II year II semester and III year -I semester have been increased from 24 to 27 credits.
- 8) The R18 Model curriculum (2018-19) for B.TECH I semester to VII semester have been finalized 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 finalized for the following subjects : Engineering Graphics-I, Engineering Workshop I-II, Engineering Mechanics I-II, and Computer Aided design Lab I-II.

Members Present

1. Dr. Durai Arulneyam	Chairman	 8/7/2018
2. Mr. G. Durga Prasad	Member	 8/7/2018
3. Mr. G. Tisupathi	Member	 8/7/2018
4. Dr. M. Janardhana	Prof-JNTUH / Member	 8/7/2018
5.		
6. Dr. C.S.V Subrahmanyam Kumar	Member	 8/7/2018
7. Dr. C. Hari Prasad	Member	 8/7/2018
8. Mr. Malla Reddy, M.	Member	 8/7/2018
9. Mr. K.V.R. Sathya Sai	Member	 8/7/2018