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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

(Established by Govt. Act No. 30 of 2008)

**Kukatpally, Hyderabad – 500085, Telangana, India**

**Dr. M. Manzoor Hussain**  
M.Tech., Ph.D.,  
Professor of Mechanical Engineering &  
**REGISTRAR**

Lr. No. A1/3/Substitute Subjects/2020

Date:03.02.2021

To,  
The Principals of Constituent & Affiliated Colleges of JNTUH.

Sir/Madam,

Sub: JNT University Hyderabad – Directorate of Academic & Planning – B.Tech. /  
B.Pharm. II/I, III/I and IV/I Semesters for the academic year 2020-21.

Ref: 1 Univ. Circular No. A1/3/2020, dated 15.09.2019.  
2 Lrs. received from the Principals of Affiliated Colleges.  
3. Note orders of the Vice-Chancellor Dt. 23.01.2021

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With reference to the letters (2) cited, it is hereby informed to you that the following are the substitute subjects for B. Tech / B. Pharm II/I, III/I and IV/I Semesters who are re-admitted in the academic year 2020-21.

**Substitute subjects for IV /I semester R13/R15 to R16 for the academic year 2020-21**

Branch	Subjects studied in R 16 and repeated Subjects in R18	Substitute subjects
EEE	Static Drives/Power Semi Conductor Drives	Switch Gear and Protection (B.Tech. R16 EEE III/II Sem.)
CSE	Pythan Programming	Machine Learning (Elective-II B.Tech. R13 IV/I Sem.)
	Principals of Program Languages	Adhoc and Sensor Networks (Elective-IV B.Tech. R13 IV/II Sem.)
CE	Transportation Engineering – 1	Traffic Engineering (B.Tech. R16 IV-I Sem.) <b>OR</b> Pavement Design (B.Tech. R16 IV-II Sem.)
	Foundation Engineering	Ground Improvement Techniques (B.Tech. R16 IV-I Sem.) <b>OR</b> Earth & Rock Fill Dams and Slope Stability (B.Tech. R16 III-II Sem.)

ECE	Electrical Measurement and Instrumentation	Optimization Techniques (B.Tech. R16 IV-I Sem.)
	VLSI Design	Digital Image Processing (B.Tech. R16 III-II Sem.)

**Substitute subjects for IV /I semester R16 to R17 for the academic year 2020-21**

B. Pharmacy	Pharmaceutical Technology	Biopharmaceutics and Pharmacokinetics (R16 IV-I Sem.)
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**Substitute subjects for III /I semester R16 to R17 for the academic year 2020-21**

B. Pharmacy		Medicinal Chemistry – I Theory & Lab (R17-II-II Sem.) Pharmacology – I Theory & Lab (R17-II-II Sem.)
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**Substitute subjects for III /I semester R16 to R18 for the academic year 2020-21**

Mechatronics	Business Economics and Financial Analysis	Machine Drawing and Computer Aided Graphics (B.Tech. R18 II-II Sem.)
ECE	Control Systems	Electromagnetic Fields and Waves (B.Tech. R18 II year II Sem.)
	Business Economics and Financial Analysis	Electronic Circuit Analysis (B.Tech. R18 II year II Sem.)
EIE	Control Systems	Linear and Digital IC Applications (B.Tech. R16 III year I Sem.)
	Business Economics and Financial Analysis	Fundamentals of Management (B.Tech. R16 III year I Sem.)
EEE	Business Economics and Financial Analysis	Linear and Digital IC Applications (B.Tech. R16 III-II Sem.)
CIVIL	Engineering Economics and Accountancy / Business Economics and Financial Analysis	Basic Mechanical Engineering for Civil Engineers (B.Tech. R18 II year II Sem.)
	Structural Analysis - II/ Structural Analysis	Hydraulics and Hydraulic Machinery (B.Tech. R18 II year II Sem.)
Mechanical	Dynamics of Machinery	Instrumentation and Control Systems (B.Tech. R18 II year II Sem.)
	Business Economics and Financial Analysis	Thermal Engineering – I (B.Tech. R18 II year II Sem.)
	Kinematics and Dynamics Lab	Instrumentation and Control Systems Lab (B.Tech. R18 II year II Sem.)
CSE	Formal Language & Automata Theory	Middleware Technologies (PE-V) (B.Tech. R16 IV/I Sem.) OR Design Pattern PE-I (B.Tech. R16 III/II Sem.)
IT	Formal Language & Automata Theory	Middleware Technologies (PE-V) (B.Tech. R16 IV/I Sem.) OR Design Pattern (PE-I) (B.Tech. R16 CSE III/II Sem.)

**Substitute subjects for II /I semester R16 to R18 for the academic year 2020-21**

Civil	Probability & Statistics	Mathematics – IV (B.Tech. R16 II/I Sem.)
EEE	Engineering Mechanics	Mathematics- IV (B.Tech. R16 II/I Sem.)
CSE	Computer Oriented Statistical Methods	Mathematics- IV (B.Tech. R16 II/I Sem.)

The Principals are requested to take necessary action for registration of the substitute subjects by the re-admitted candidates. They are also requested to ensure that the subjects already studied are not repeated.

Further, the Principals are informed that the students who have completed 8 Years of Regular B.Tech./ B.Pharm. and those who have completed 6 Years of Lateral Entry in B.Tech./ B.Pharm. courses are not eligible for readmission. The substitute subjects are not applicable to the students who have been transferred from other Institutions / Universities and JNTUH Affiliated Autonomous Colleges to JNTUH affiliated colleges & vice-versa.

This is for your reference and necessary action.

Yours Sincerely,

  
06/02/21  
REGISTRAR

Copy to the Director of Evaluation and Controller of Examinations, JNTUH, Hyderabad for necessary action.