

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR  
ANANTAPUR – 515 002 (A.P) INDIA**

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Lr. No. DAP/A1/ Substitute Subjects/ 2011-12

Date:-25-07-2011

To  
All affiliated Colleges.

Sir,

Sub:- JNTU Anantapur – Academic & Planning - Substitute Subjects for re-admitted  
Students in the Academic Year 2011-12.

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The following is the list of substitute subjects for students who got re-admitted into I semester courses now in progress and who were in RR, R05 or R07 regulations.

**I B. Tech Regular**

*All readmitted students into I B.Tech irrespective of their original admission year shall pursue all I.B.Tech subjects of R09 in total.*

**Students of Lateral Entry Scheme (LES) readmitted into II B Tech-I sem.**

*All readmitted students into II B.Tech-I sem. through Lateral Entry Scheme shall pursue all II B.Tech subjects of R09 regulations irrespective of their original admission year.*

## II B. Tech.-I sem. Regular

For R07 students readmitted into II B. Tech I Sem. (now offering R09 subjects)

Code	Branch	Substitute subjects offered
CE	Civil Engineering	<b>Not Required.</b>
EEE	Electrical & Electronics Engineering	II B.Tech I sem Subjects of R09 with the following Changes. 1. Engineering Chemistry of R09 (9ABS103) in place of Basic Electronics Devices and circuits (4 credits)  2. Probability Theory & Stochastic Processes of R09 (9A04303) in place of Electrical Circuits (4 credits)  3. Engineering Physics and Engineering Chemistry lab of R09 (9ABS106) in place of Electronics Devices and circuits lab (2 credits)
ME	Mechanical Engineering	II B.Tech I sem Subjects of R09 with the following Changes.  1. Object Oriented Programming of R07 (07A3EC06) in place of Mathematics – II (4 credits)
ECE	Electronics and Communication Engineering	II B.Tech I sem Subjects of R09 with the following Changes. 1. Engineering Chemistry of R09 (9ABS103) in place of Basic Electronics Devices and circuits (4 credits)  2. Object Oriented Programming of R07 (07A4EC08) in place of Electrical Circuits. (4 credits)  3. Engineering physics and Engineering Chemistry lab of R09 (9ABS106) in place of Electronics Devices and circuits lab (2 credits)
CSE	Computer Science & Engineering	II B.Tech I sem Subjects of R09 with the following Changes. 1. Engineering Chemistry of R09 (9ABS103) in place of Basic Electrical Engineering. (4 credits)  2. Information Technology & Numerical Methods of RR (CS1024) in place of Electronic Devices & Circuits. (4 credits)  3. Engineering Physics & Engineering Chemistry lab of R09 (9ABS106) in place of Electrical & Electronics lab (2 credits)

IT	Information Technology	<p>II B.Tech I sem Subjects of R09 with the following Changes.</p> <p>1. Engineering Chemistry of R09 (9ABS103) in place of Basic Electrical Engineering. (4 credits)</p> <p>2. Information Technology &amp; Numerical Methods of RR (IT1024) in place of Electronic Devices &amp; Circuits. (4 credits)</p> <p>3. Engineering Physics &amp; Engineering Chemistry lab of R09 (9ABS106) in place of Electrical &amp; Electronics lab (2 credits)</p>
EIE	Electronics and Instrumentation Engineering.	<b>No Case Reported</b>
E Cont E	Electronics and Control Engineering	<b>No Case Reported</b>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

### II B. Tech.-I sem. Regular

For R05 students readmitted into II B. Tech I Sem. (now offering R09 subjects)

Code	Branch	Substitute subjects offered
CE	Civil Engineering	<b>No Case Reported</b>
EEE	Electrical & Electronics Engineering	<p>II B.Tech I sem Subjects of R09 with the following Changes.</p> <p>1. Engineering Chemistry of R09 (9ABS103) in place of Basic Electronics Devices and circuits (4 credits)</p> <p>2. Probability Theory &amp; Stochastic Processes of R09 (9A04303) in place of Electrical Circuits (4 credits)</p> <p>3. Engineering Physics and Engineering Chemistry lab of R09 (9ABS106) in place of Electronics Devices and circuits lab (2 credits)</p>

ME	Mechanical Engineering	<b>No Case Reported</b>
ECE	Electronics and Communication Engineering	II B.Tech I sem Subjects of R09 with the following Changes. 1. Advanced Data Structures of R09 (9A05302) in place of Electronic Devices and Circuits (4 credits) 2. Data Structures lab of R09 (9A05304) in place of Electronic Devices & Circuits lab (2 credits)
CSE	Computer Science & Engineering	II B.Tech I sem Subjects of R09 with the following Changes. 1. Engineering Chemistry of R09 (9ABS103) in place of Basic Electrical Engineering. (4 credits)  2. Information Technology & Numerical Methods of RR (CS1024) in place of Electronic Devices & Circuits. (4 credits)  3. Engineering Physics & Engineering Chemistry lab of R09 (9ABS106) in place of Electrical & Electronics lab (2 credits)
IT	Information Technology	II B.Tech I sem Subjects of R09 with the following Changes.  1. Engineering Chemistry of R09 (9ABS103) in place of Basic Electrical Engineering. (4 credits)  2. Information Technology & Numerical Methods of RR (CS1024) in place of Electronic Devices & Circuits. (4 credits)  3. Engineering Physics & Engineering Chemistry lab of R09 (9ABS106) in place of Electrical & Electronics lab (2 credits)
EIE	Electronics and Instrumentation Engineering.	<b>No Case Reported</b>
E Cont E	Electronics and Control Engineering	<b>No Case Reported</b>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

## II B. Tech.-II sem. Regular

For R07 students readmitted into II B. Tech II Sem. (now offering R09 subjects)

Code	Branch	Substitute subjects offered
CE	Civil Engineering	<b>No Case Reported</b>
EEE	Electrical & Electronics Engineering	<p>II B.Tech II sem Subjects of R09 with the following Changes.</p> <ol style="list-style-type: none"> <li>1. Environmental Science of R09 (9ABS303) in place of Electromagnetic Fields (4 credits)</li> <li>2. Computer Organization of R09 (9A05406) in place of Switching theory and logic design (4 credits)</li> <li>3. Object Oriented Programming of R09 (9A05402) in place of Network Theory (4 credits)</li> <li>4. Object Oriented Programming lab of R09 (9A05404) in place Electric Circuits and Simulation lab (2 credits)</li> </ol>
ME	Mechanical Engineering	<p>II B.Tech II sem Subjects of R09 with the following Changes.</p> <ol style="list-style-type: none"> <li>1. Machine Drawing of R09 (9A03303) in place of Manufacturing Technology (4 credits)</li> </ol>
ECE	<p>Electronics and Communication Engineering</p> <p>Anitha Poreddy (08701A0405) Annamacharya Institute of Technology and Sciences, Rajempet.</p>	<p>II B.Tech II sem Subjects of R09 with the following Changes.</p> <ol style="list-style-type: none"> <li>1. Object Oriented Programming of R09 (9A05402) in place of Electronic circuit analysis (4 credits)</li> <li>2. Database Management Systems of R09 (9A05401) in place of Principles of Electrical Engineering (4 credits)</li> <li>3. Basic Simulation lab of R09 (9A04305) in place of Electronic Circuits lab (2 credits)</li> <li>4. Database Management Systems lab of R09 (9A05405) in place of Electrical Engineering lab (2 credits)</li> </ol>
CSE	Computer Science & Engineering	<b>No Case Reported</b>
IT	Information Technology	<b>No Case Reported</b>
EIE	Electronics and Instrumentation Engineering.	<b>No Case Reported</b>

E Cont E	Electronics and Control Engineering	<b>No Case Reported</b>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

### III B. Tech.-I sem. Regular and LES

For R07 students readmitted into III B. Tech I Sem. (now offering R09 subjects)

Code	Branch	Substitute subject in R07
CE	Civil Engineering	<b>No Case Reported</b>
EEE	Electrical & Electronics Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Generation of Electric Power of R09 (9A02403) in place of Control Systems ( 4 credits) 2. Analog Electronic Circuits of R09 (9A02405) in place of Managerial Economics & Financial Analysis (4 credits)
ME	Mechanical Engineering	<b>No Case Reported</b>
ECE	Electronics and Communication Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Managerial Economics & Financial Analysis of R09 (9AHS401) in place of Control Systems. (4 credits)  2. Telecommunication Switching Systems of R07 (07A60401) in place of Analog Communications. (4credits)  3. Basic Simulation lab of R09 (9A04305) in place of Pulse & Digital Circuits lab. (2 credits)
CSE	Computer Science & Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Design & Analysis of Algorithms of R09 (9A05404) in place of Software Engineering ( 4 credits)  2. Formal Languages and Automata Theory of R09 (9A05407) in place of Principles of Programming Languages (4 credits)

IT	Information Technology	III B.Tech I sem Subjects of R09 with the following Changes. 1.Principles of Programming Languages of R09 (9A15403) in place of Software Engineering (4 credits)  2. Data Communication Systems of R09 (9A12302) in place of Operating Systems. (4 credits)
E I E	Electronics and Instrumentation Engineering.	1. Database Management Systems of R09 (9A05401) in place of Electro Magnetic Theory (4 credits)  2. Electronic Circuits Analysis of R09 (9A04402) in place of Linear & Digital IC Applications (4 credits)  3. Probability Theory & Stochastic Processes of R09 (9A04303) in place of Sensors and Signal Conditioning. (4 credits) 4. Database Management Systems lab of R09 (9A05405) in place of Pulse & Digital Circuits lab (2 credits)
E Cont E	Electronics and Control Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Probability Theory & Stochastic Processes of R09 (9A04303) in place of Control Systems. (4 credits)  2. Basic Simulation lab of R09 (9A04305) in place of Pulse 7 Digital Circuits lab (2 credits)
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

### III B. Tech.-II sem. Regular and LES

For R07 students readmitted into III B. Tech II Sem. (now offering R09 subjects)

Code	Branch	Substitute subject in R07
CE	Civil Engineering	<b>No Case Reported</b>
ME	Mechanical Engineering	III B.Tech II sem Subjects of R09 with the following Changes.  1. Thermal Engineering-II of R09 (9A03501) in place of Automobile Engineering (4 credits)
EEE	Electrical & Electronics Engineering	<b>No Case Reported</b>

ECE	Electronics and Communication Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Telecommunication Switching Systems of R07 (07A60401) in place of Digital Communications. (4 credits) 2. Basic Simulation lab of R09 (9A04305) in place of Analog & Digital Communications lab (2 credits)
CSE	Computer Science & Engineering	<b>No Case Reported</b>
IT	Information Technology	<b>No Case Reported</b>
E I E	Electronics and Instrumentation Engineering.	<b>No Case Reported</b>
E Cont E	Electronics and Control Engineering	<b>No Case Reported</b>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

For R05 students readmitted into III B. Tech I Sem. (now offering R09 subjects)

Code	Branch	Substitute subject in R07
CE	Civil Engineering	<b>No Case Reported</b>
EEE	Electrical & Electronics Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Generation of Electric Power of R09 (9A02403) in place of Control Systems ( 4 credits) 2. Analog Electronic Circuits of R09 (9A02405) in place of Managerial Economics & Financial Analysis (4 credits)
ME	Mechanical Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Manufacturing Technology lab of R09 (9A03404) in place of Thermal Engineering lab ( 2 credits)
CSE	Computer Science & Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Formal Languages and Automata Theory of R09 (9A05407) in place of Software Engineering (4 credits)

IT	Information Technology	<p>III B.Tech I sem Subjects of R09 with the following Changes.</p> <ol style="list-style-type: none"> <li>1. Data Communication Systems of R09 (9A12302) in place of Microprocessors and Microcontrollers (4 credits)</li> <li>2. Principles of Programming Languages of R09 (9A16403) in place of Software Engineering (4 credits)</li> <li>3. Computer Networks &amp; Operating System lab of R05 (CS05130) in place of Microprocessor &amp; Interfacing lab (2 credits)</li> </ol>
EIE	Electronics and Instrumentation Engineering.	<p>III B.Tech I sem Subjects of R09 with the following Changes.</p> <ol style="list-style-type: none"> <li>1. Probability Theory &amp; Stochastic Processes of R09 (9A04303) in place of Electro Magnetic Theory (4 credits)</li> <li>2. Advanced Data Structures of R09 (9A05302) in place of Control Systems. (4 credits)</li> <li>3. Object Oriented Programming of R09 (9A05402) in place of Sensors and Signal Conditioning (4 credits)</li> <li>4. Basic Simulation lab of R09 (9A04305) in place of Electronic Measurements lab (2 credits)</li> <li>5. Data Structures lab of R09 (9A05304) in place of Pulse &amp; Digital Circuits lab (2 credits)</li> </ol>
E cont E	Electronics and Control Engineering	<p>III B.Tech I sem Subjects of R09 with the following Changes.</p> <ol style="list-style-type: none"> <li>1. Probability Theory &amp; Stochastic Processes of R09 (9A04303) in place of Control Systems. (4 credits)</li> <li>2. Basic Simulation lab of R09 (9A04305) in place of Pulse &amp; Digital Circuits lab (2 credits)</li> </ol>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<p>III B.Tech I sem Subjects of R09 with the following Changes.</p> <ol style="list-style-type: none"> <li>1. Operating System of R09 (9A15401) in place of Microprocessor and Microcontrollers. (4 credits)</li> <li>2. Unix Programming of R05 (CS05566) in place of Software Engineering. (4 credits)</li> <li>3. Unix Programming &amp; Compiler Design lab of R05 (CS05567) in place of Microprocessor and Interfacing lab (2 credits)</li> </ol>

For RR students readmitted into III B. Tech I Sem. (now offering R09 subjects)

<b>Code</b>	<b>Branch</b>	<b>Substitute subject in R07</b>
CE	Civil Engineering	<b>No Case Reported</b>
EEE	Electrical & Electronics Engineering	III B.Tech I sem Subjects of R09 with the following Changes. 1. Generation of Electric Power of R09 (9A02403) in place of Control Systems ( 4 credits)  2. Analog Electronic Circuits of R09 (9A02405) in place of Managerial Economics & Financial Analysis (4 credits)
ME	Mechanical Engineering	<b>No Case Reported</b>
CSE	Computer Science & Engineering	<b>No Case Reported</b>
IT	Information Technology	<b>No Case Reported</b>
EIE	Electronics and Instrumentation Engineering.	<b>No Case Reported</b>
E cont E	Electronics and Control Engineering	<b>No Case Reported</b>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

#### **IV B. Tech.-I sem. Regular and LES**

For R05 students readmitted into IV B. Tech I Sem (now offering R07 subjects)

<b>Code</b>	<b>Branch</b>	<b>Substitute subject in R07</b>
CE	Civil Engineering	<b>Not Required</b>
EEE	Electrical & Electronics Engineering	IV B.Tech I sem Subjects of R07 with the following Changes. 1. Simulation of Electrical Systems lab of R05 (EE05520) in place of Electrical Measurement lab (2 credits)  2. <b>Elective – I</b> Embedded System of R07 (07A7EC20) in place of High voltage Engineering (4 credits)

ME	Mechanical Engineering	IV B.Tech I sem Subjects of R07- with the following Changes. 1. Advanced English Communication Skills lab of R09 (9AHS601) in place of Heat Transfer lab (2 credits)
ECE	Electronics and Communication Engineering	IV B.Tech I sem Subjects of R07 with the following Changes. 1. Telecommunication Switching Systems of R07 (07A60401) in place of Electronic Measurements and Instrumentation (4 credits)
CSE	Computer Science & Engineering	IV B.Tech I sem Subjects of R07 with the following Changes. All IV B.Tech I sem Subjects of R07 regulations without any Changes.
IT	Information Technology	IV B.Tech I sem Subjects of R07 with the following Changes. 1. All Subjects of R07 of IV-I 2. However, Students is not allowed to select Human Computer Interaction of R07 (07A7EC40) under elective – I since he/she is already studied in R05 III-II
EIE	Electronics and Instrumentation Engineering.	<b>No Case Reported</b>
E cont E	Electronics and Control Engineering	<b>No Case Reported</b>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

#### IV B. Tech-II sem. Regular and LES

For R05 students readmitted into IV B. Tech II Sem (now offering R07 subjects)

Code	Branch	Substitute subject in R07
CE	Civil Engineering	<b>No Case Reported</b>
EEE	Electrical & Electronics Engineering	<b>No Case Reported</b>

ECE	Electronics and Communication Engineering	IV B.Tech II sem Subjects of R07 with the following Changes. 1. Cellular and Mobile Communications of R07 (07A7EC14) in place of Optical Communications (4 credits)
CSE	Computer Science & Engineering	<b>No Case Reported</b>
IT	Information Technology	<b>No Case Reported</b>
EIE	Electronics and Instrumentation Engineering.	<b>No Case Reported</b>
E cont E	Electronics and Control Engineering	<b>No Case Reported</b>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

For RR students readmitted into IV B. Tech I Sem (now offering R07 subjects)

<b>Code</b>	<b>Branch</b>	<b>Substitute subject in R07</b>
CE	Civil Engineering	<b>No Case Reported</b>
EEE	Electrical & Electronics Engineering	IV B.Tech I sem Subjects of R07 with the following Changes. 1. Advanced English Communication Skills lab of R09 (9AHS601) in place of Electrical Measurements lab (2 credits)
ECE	Electronics and Communication Engineering	<b>No Case Reported</b>
CSE	Computer Science & Engineering	<b>No Case Reported</b>
IT	Information Technology	<b>No Case Reported</b>
EIE	Electronics and Instrumentation Engineering.	<b>No Case Reported</b>

E cont E	Electronics and Control Engineering	<b>No Case Reported</b>
AE	Aeronautical Engineering	<b>No Case Reported</b>
CSSE	Computer Science and Systems Engineering	<b>No Case Reported</b>

**For R07 students rejoined into II B.Tech II sem under R09 regulations, Now pursuing III B.Tech I sem (R09 regulations)**

<b>Code</b>	<b>Branch</b>	<b>Substitute subject in R07</b>
E I E	Electronics and Instrumentation Engineering.	III B.Tech I sem Subjects of R09 with the following Changes. 1. Database Management Systems of R09 (9A05401) in place of Electro Magnetic Theory (4 credits)  2. Database Management Systems lab of R09 (9A05405) in place of Pulse & Digital Circuits lab (2 credits) III B.Tech I sem Subjects of R09 with the following Changes.

### **III B. Tech.-I sem. Regular and LES**

For R07 students readmitted into III B. Tech I Sem. (now offering R09 subjects) **Lateral Entry**

<b>Code</b>	<b>Branch</b>	<b>Substitute subject in R07</b>
E I E	Electronics and Instrumentation Engineering.	III B.Tech I sem Subjects of R09 with the following Changes. 1. Electronic Circuit Analysis of R09 (9A04402) in place of Sensors and Signal Conditioning (4 credits)  2. Electrical Circuit Analysis lab of R09 (9A04403) in place of Pulse & Digital Circuits lab (2 credits)

Sd/-  
Director i/c  
Academic & Planning

Copy to the Director of Evaluation JNTUA, Anantapur.