

**ANDHRA UNIVERSITY**

B.TECH. III/IV CIVIL ENGINEERING

III/VI INTEGRATED DUAL DEGREE B.TECH. + M.TECH. CIVIL ENGINEERING

**w.e.f. 2020-2021 Admitted Batch – Under CBCS Pattern**  
III/IV - II SEMESTER

**TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 01BENG 3221 | Transportation Engineering                                       | 70    |
| 12-05-2023 | Friday    | 01BENG 3222 | Engineering Economics Estimation and Costing                     | 70    |
| 15-05-2023 | Monday    | 01BENG 3223 | Structural Analysis - II   | 70    |
|            |           |             | <b>Professional Elective - II</b>                                |       |
| 17-05-2023 | Wednesday | 01BENG 3224 | Geo Environmental Engineering                                    | 70    |
|            |           | 01BENG 3225 | Repair and Retrofitting of Structures                            | 70    |
|            |           | 01BENG 3226 | Traffic Engineering and Management                               | 70    |
|            |           | 01BENG 3227 | Introduction to Rock Mechanics                                   | 70    |
|            |           | 01BENG 3228 | Hydraulic Machines   | 70    |
|            |           |             | <b>Open Elective - II</b>  |       |
| 19-05-2023 | Friday    | 01BENG 3229 | Air pollution and Control  | 70    |
|            |           | 01BENG 3230 | Design and Detailing of Reinforced Concrete and Steel Structures | 70    |
|            |           | 01BENG 3231 | Ground Improvement Techniques                                    | 70    |
|            |           | 01BENG 3232 | Solid Waste Management   | 70    |
|            |           | 01BENG 3233 | Prestressed Concrete Structures                                  | 70    |

**w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern**  
III/IV - II SEMESTER

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                                  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 01BENG 3215 | Transportation Engineering-I             | 70    |
| 12-05-2023 | Friday    | 01BENG 3212 | Estimation, Specifications and Contracts | 70    |
| 15-05-2023 | Monday    | 01BENG 3213 | Fluid Mechanics-II                       | 70    |
| 17-05-2023 | Wednesday | 01BENG 3214 | Reinforced Concrete Structures-II        | 70    |
|            |           |             | <b>ELECTIVE-II</b>                       |       |
| 19-05-2023 | Friday    | 01BENG 3216 | a) Steel Structures-II                   | 70    |
|            |           | 01BENG 3217 | b) Ground Improvement Techniques         | 70    |
|            |           | 01BENG 3218 | c) Irrigation Engineering                | 70    |
| 20-05-2023 | Saturday  | 01BENG 3219 | Water Resources Engineering-I            | 70    |

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ENGINEERING AND CIVIL ENVIRONMENTAL ENGG.  
B.TECH. III/IV CIVIL ENGINEERING AND CIVIL ENVIRONMENTAL ENGG. AND  
III/VI INTEGRATED DUAL DEGREE B.TECH. + M.TECH. CIVIL ENGINEERING  
w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER  
**TIME-TABLE**

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT                               | MARKS |
|------------|-----------|-------------|---------------------------------------|-------|
| 11-05-2023 | Thursday  | 01BENG 3205 | Transportation Engineering-I          | 70    |
| 12-05-2023 | Friday    | 01BENG 3202 | Steel Structures-II                   | 70    |
| 15-05-2023 | Monday    | 01BENG 3204 | Fluid Mechanics-III                   | 70    |
| 17-05-2023 | Wednesday | 01BENG 3201 | Reinforced Concrete Structures-II     | 70    |
|            |           |             | <b>ELECTIVE-II</b>                    |       |
| 19-05-2023 | Friday    | 01BENG 3206 | a) Finite Element Methods of Analysis | 70    |
|            |           | 01BENG 3207 | b) Ground Improvement Techniques      | 70    |
|            |           | 01BENG 3208 | c) Marine Structures                  | 70    |
|            |           | 01BENG 3209 | d) Solid Waste Management             | 70    |
|            |           | 01BENG 3210 | e) Irrigation Engineering             | 70    |
| 20-05-2023 | Saturday  | 01BENG 3203 | Geotechnical Engineering-II           | 70    |

W.E.F. 2007-2008 TO 2014-2015 A.B.  
III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY      | CODE    | SUBJECT   | MARKS |
|------------|----------|---------|---|-------|
| 11-05-2023 | Thursday | 01 3210 | Structural Analysis-III   | 70    |
|            |          | 01 3225 | Structural Analysis-II (2014-15)AB onwards                                    | 70    |
| 12-05-2023 | Friday   | 01 3212 | Steel Structures-II   | 70    |
|            |          | 01 3226 | Steel Structures-I (2014-15)AB onwards  | 70    |
| 15-05-2023 | Monday   | 01 3214 | Fluid Mechanics-III   | 70    |
|            |          | 01 3227 | Fluid Mechanics-III (2014-15)AB onwards                                       | 70    |
|            |          | 01 3211 | Reinforced Concrete Structures-II   | 70    |
|            |          |         | <b>ELECTIVE-I</b>   |       |
| 19-05-2023 | Friday   | 01 3215 | a) Environmental Impact Analysis  | 70    |
|            |          | 01 3216 | b) Structural Dynamics  | 70    |
|            |          | 01 3217 | c) River Engineering  | 70    |
|            |          | 01 3218 | d) Remote sensing and Geographic Information Systems                          | 70    |
|            |          | 01 3221 | g) Remote Sensing & GIS Applications.(2012-13 a.b.)                           | 70    |
|            |          | 01 3229 | h) Remote Sensing & GIS Applications (2014-15 a.b.)                           | 70    |
|            |          | 01 3228 | i) Repair and Rehabilitation of structures                                    | 70    |
|            |          | 01 3219 | e) Environmental Impact Assessment and Management of Water Resources Projects | 70    |
|            |          | 01 3220 | f) Optimization Techniques  | 70    |
| 20-05-2023 | Saturday | 01 3213 | Geotechnical Engineering-II   | 70    |

(BY ORDER)

VISAKHAPATNAM  
Dated : 01-05-2023

  
(J. RATNAM)  
DEPUTY REGISTRAR (EXAMS.)

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**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 03BENG 3220 | Design of Machine Elements - II                                | 70    |
| 12-05-2023 | Friday    | 03BENG 3221 | Fluid Mechanics and Machinery                                  | 70    |
| 15-05-2023 | Monday    | 03BENG 3222 | Heat Transfer  | 70    |
|            |           |             | <b>Professional Elective - II</b>                              |       |
| 17-05-2023 | Wednesday | 03BENG 3223 | Automobile Engineering   | 70    |
|            |           | 03BENG 3225 | Work Study and Ergonomics                                      | 70    |
|            |           | 03BENG 3226 | Computer Aided Design / Computer Aided Manufacturing (CAD/CAM) | 70    |
|            |           |             | <b>Open Elective - II</b>                                      |       |
| 19-05-2023 | Friday    | 03BENG 3224 | Total Quality Management                                       | 70    |
|            |           | 03BENG 3227 | Renewable Energy Sources                                       | 70    |

**w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern**  
III/IV - II SEMESTER

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                         | MARKS |
|------------|-----------|-------------|---------------------------------|-------|
| 11-05-2023 | Thursday  | 03BENG 3211 | Measurements & CNC              | 70    |
| 12-05-2023 | Friday    | 03BENG 3212 | CAD / CAM                       | 70    |
| 15-05-2023 | Monday    | 03BENG 3213 | Applied Thermodynamics-II       | 70    |
|            |           |             | <b>ELECTIVE-II</b>              |       |
| 17-05-2023 | Wednesday | 03BENG 3214 | a) Automobile Engineering       | 70    |
|            |           | 03BENG 3215 | b) Mechanical Vibration         | 70    |
|            |           | 03BENG 3216 | c) Reliability Engineering      | 70    |
| 19-05-2023 | Friday    | 03BENG 3217 | Production Planning and Control | 70    |
| 20-05-2023 | Saturday  | 03BENG 3218 | Design of Machine Elements      | 70    |

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w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER  
TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                         | MARKS |
|------------|-----------|-------------|---------------------------------|-------|
| 11-05-2023 | Thursday  | 03BENG 3201 | Fluid Mechanics and Machinery   | 70    |
| 12-05-2023 | Friday    | 03BENG 3202 | CAD / CAM                       | 70    |
| 15-05-2023 | Monday    | 03BENG 3205 | Advanced Thermodynamics-II      | 70    |
|            |           |             | <b>ELECTIVE-II</b>              |       |
| 17-05-2023 | Wednesday | 03BENG 3206 | a) Automobile Engineering       | 70    |
|            |           | 03BENG 3207 | b) Mechanical Vibrations        | 70    |
|            |           | 03BENG 3208 | c) Robotics                     | 70    |
|            |           | 03BENG 3209 | d) Reliability Engineering      | 70    |
| 19-05-2023 | Friday    | 03BENG 3204 | Production Planning and Control | 70    |
| 20-05-2023 | Saturday  | 03BENG 3203 | Design of Machine Elements      | 70    |

**W.E.F. 2007-2008 TO 2014-2015 A.B.  
III/IV - II SEMESTER**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE    | SUBJECT  | MARKS |
|------------|-----------|---------|--|-------|
| 11-05-2023 | Thursday  | 03 3212 | Manufacturing Technology-III                             | 70    |
| 12-05-2023 | Friday    | 03 3210 | Fluid Mechanics  | 70    |
| 15-05-2023 | Monday    | 03 3214 | Engineering Thermodynamics-III                           | 70    |
|            |           |         | <b>Elective-II:</b>                                      |       |
| 17-05-2023 | Wednesday | 03 3215 | a) Gas Turbines and jet propulsion                       | 70    |
|            |           | 03 3216 | b) Automobile Engineering                                | 70    |
|            |           | 03 3217 | c) Tool Design   | 70    |
|            |           | 03 3218 | d) Production Planning and Control                       | 70    |
|            |           | 03 3219 | e) Robotics  | 70    |
|            |           | 03 3220 | f) Mechatronics  | 70    |
| 19-05-2023 | Friday    | 03 3213 | Industrial Engineering and Management (Common with Met.) | 70    |
| 20-05-2023 | Saturday  | 03 3211 | Design of Machine Elements-I (Common with Met.)          | 70    |

**(BY ORDER)**

VISAKHAPATNAM  
Dated : 01-05-2023

  
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**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                            | MARKS |
|------------|-----------|-------------|------------------------------------|-------|
| 11-05-2023 | Thursday  | 05BENG 3225 | Antennas and Wave Propagation      | 70    |
| 12-05-2023 | Friday    | 05BENG 3226 | Digital Signal Processing          | 70    |
| 15-05-2023 | Monday    | 05BENG 3227 | Microwave Engineering              | 70    |
|            |           |             | <b>Professional Elective – II</b>  |       |
| 17-05-2023 | Wednesday | 05BENG 3228 | Fiber Optic Communication          | 70    |
|            |           | 05BENG 3229 | EMI/EMC                            | 70    |
|            |           | 05BENG 3230 | Internet and Web Technology        | 70    |
|            |           | 05BENG 3231 | Cellular Mobile Communication      | 70    |
|            |           |             | <b>Open Elective</b>               |       |
| 19-05-2023 | Friday    | 05BENG 3232 | Control System                     | 70    |
|            |           | 05BENG 3233 | Computer Networks                  | 70    |
|            |           | 05BENG 3234 | Embedded System Design             | 70    |
|            |           | 05BENG 3235 | Bio Medical Instrumentation        | 70    |
|            |           | 05BENG 3236 | Internet of Things and Application | 70    |

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**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 05BENG 3213 | Computer Net Work Engineering                  | 70    |
| 12-05-2023 | Friday    | 05BENG 3214 | Microprocessor and Micro Controllers           | 70    |
| 15-05-2023 | Monday    | 05BENG 3215 | Digital Communications                         | 70    |
| 17-05-2023 | Wednesday | 05BENG 3221 | Digital Image Processing                       | 70    |
| 19-05-2023 | Friday    | 05BENG 3222 | Control Systems                                | 70    |
| 20-05-2023 | Saturday  | 05BENG 3223 | Cellular and Mobile Communication              | 70    |
|            |           |             | <b>ELECTIVE-II</b>                             |       |
| 22-05-2023 | Monday    | 05BENG 3216 | a) Wireless Sensor Networks                    | 70    |
|            |           | 05BENG 3217 | b) Micro Electronics                           | 70    |
|            |           | 05BENG 3218 | c) EMI / EMC                                   | 70    |
|            |           | 05BENG 3219 | d) DSP Processors and Architectures            | 70    |
|            |           | 05BENG 3220 | e) Electronic Measurements and Instrumentation | 70    |

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| DATE       | DAY       | CODE        | SUBJECT  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 05BENG 3201 | Computer Net Work Engineering                  | 70    |
| 12-05-2023 | Friday    | 05BENG 3202 | Microprocessor and Micro Controllers           | 70    |
| 15-05-2023 | Monday    | 05BENG 3203 | Digital Communications                         | 70    |
| 17-05-2023 | Wednesday | 05BENG 3211 | Digital Image Processing                       | 70    |
|            |           |             | <b>ELECTIVE-II</b>                             |       |
| 19-05-2023 | Friday    | 05BENG 3204 | a) Wireless Sensor Networks                    | 70    |
|            |           | 05BENG 3205 | b) Micro Electronics                           | 70    |
|            |           | 05BENG 3206 | c) ASIC Design                                 | 70    |
|            |           | 05BENG 3207 | d) DSP Processors and Architectures            | 70    |
|            |           | 05BENG 3208 | e) Electronic Measurements and Instrumentation | 70    |
|            |           | 05BENG 3209 | f) EMI / EMC                                   | 70    |
| 20-05-2023 | Saturday  | 05BENG 3210 | Cellular and Mobile Communication              | 70    |

**W.E.F. 2007-2008 TO 2014-2015 A.B.  
III/IV - II SEMESTER**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE    | SUBJECT  | MARKS |
|------------|-----------|---------|--|-------|
| 11-05-2023 | Thursday  | 05 3213 | Computer Network Engineering   | 70    |
| 12-05-2023 | Friday    | 05 3211 | Microprocessors and Applications   | 70    |
| 15-05-2023 | Monday    | 05 3214 | Digital Communications   | 70    |
| 17-05-2023 | Wednesday | 06 3216 | Control Systems (Common with EEE)  | 70    |
|            |           |         | <b>ELECTIVE-I</b>  |       |
| 19-05-2023 | Friday    | 05 3217 | A) Micro Electronics   | 70    |
|            |           | 05 3218 | B) Instrumentation   | 70    |
|            |           | 05 3219 | C) Electronic Measurements & Instrumentation   | 70    |
|            |           | 05 3216 | D) EMI / EMC   | 70    |
|            |           | 05 3215 | E) Cellular and Mobile Communications  | 70    |
|            |           | 05 3220 | F) Electronic Measurements & Instrumentation (2010-11 a.b.)  | 70    |
|            |           | 05 3221 | G) Software Engg   | 70    |
|            |           | 05 3222 | H) Soft Skills (Common with Mechanical, Geo-Inf., Metallurgy, Marine & NA, Chemical, Instrument Tech. & Architecture | 70    |
| 20-05-2023 | Saturday  | 05 3212 | Data Structures  | 70    |

**(BY ORDER)**

VISAKHAPATNAM  
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 III/IV - II SEMESTER  
**TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                                | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 06BENG 3224 | Power System Analysis and Stability    | 70    |
| 12-05-2023 | Friday    | 06BENG 3225 | Power Systems - II                     | 70    |
| 15-05-2023 | Monday    | 06BENG 3226 | Control Systems                        | 70    |
|            |           |             | <b>Professional Elective</b>           |       |
| 17-05-2023 | Wednesday | 06BENG 3228 | Hybrid Electric Vehicles               | 70    |
|            |           | 06BENG 3229 | High Voltage Engineering               | 70    |
|            |           | 06BENG 3230 | Utilization of Electrical Energy       | 70    |
|            |           |             | <b>Open Elective</b>                   |       |
| 19-05-2023 | Friday    | 06BENG 3227 | Micro Processors and Micro Controllers | 70    |

**w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern**  
 III/IV - II SEMESTER

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                                  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 06BENG 3215 | Power System Analysis & Stability        | 70    |
| 12-05-2023 | Friday    | 06BENG 3212 | Power Systems-II                         | 70    |
| 15-05-2023 | Monday    | 06BENG 3213 | Control Systems                          | 70    |
|            |           |             | <b>ELECTIVE-II</b>                       |       |
| 17-05-2023 | Wednesday | 06BENG 3216 | a) Utilization of Electrical Energy      | 70    |
|            |           | 06BENG 3218 | c) Energy Management and Auditing        | 70    |
|            |           | 06BENG 3219 | d) Power Station Practice                | 70    |
| 19-05-2023 | Friday    | 06BENG 3214 | Microprocessors & Micro-Controllers      | 70    |
|            |           |             | <b>ELECTIVE-III</b>                      |       |
| 20-05-2023 | Saturday  | 06BENG 3217 | b) Renewable Energy Sources              | 70    |
|            |           | 06BENG 3220 | e) Digital Control Systems               | 70    |
|            |           | 06BENG 3221 | f) High Voltage Engineering              | 70    |
|            |           |             | <b>Open Elective</b>                     |       |
| 22-05-2023 | Monday    | 11BENG 3225 | Industrial Management & Entrepreneurship | 70    |
|            |           | 06BENG 3222 | Organizational Behaviour                 | 70    |
|            |           | 06BENG 3223 | Financial Accounting                     | 70    |

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| DATE       | DAY       | CODE        | SUBJECT                                      | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 06BENG 3203 | Power Electronics                            | 70    |
| 12-05-2023 | Friday    | 06BENG 3201 | Power Systems-II                             | 70    |
| 15-05-2023 | Monday    | 06BENG 3204 | Electric Drives and Traction                 | 70    |
|            |           |             | <b>ELECTIVE-II</b>                           |       |
| 17-05-2023 | Wednesday | 06BENG 3205 | a) Energy Auditing Conservation & Management | 70    |
|            |           | 06BENG 3206 | b) Utilization of Electrical Energy (UEE)    | 70    |
|            |           | 06BENG 3207 | c) Power Station Practice                    | 70    |
| 19-05-2023 | Friday    | 06BENG 3202 | Microprocessor and Micro Controllers         | 70    |
|            |           |             | <b>ELECTIVE-III</b>                          |       |
| 20-05-2023 | Saturday  | 06BENG 3208 | a) Non Conventional Energy Sources           | 70    |
|            |           | 06BENG 3209 | b) Digital Control Systems                   | 70    |
|            |           | 06BENG 3210 | c) Electrical Machine Design                 | 70    |

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III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE    | SUBJECT   | MARKS |
|------------|-----------|---------|---|-------|
| 11-05-2023 | Thursday  | 06 3217 | Advanced Network Theory                         | 70    |
| 12-05-2023 | Friday    | 06 3218 | Power Electronics                               | 70    |
| 15-05-2023 | Monday    | 06 3219 | Transmission & Distribution                     | 70    |
| 17-05-2023 | Wednesday | 06 3216 | Control Systems (Common with ECE)               | 70    |
| 19-05-2023 | Friday    | 06 3221 | Performance & Design of Electrical Machines-III | 70    |
| 20-05-2023 | Saturday  | 06 3220 | Electrical Power Generation & Utilization       | 70    |

(BY ORDER)

VISAKHAPATNAM  
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| DATE       | DAY       | CODE        | SUBJECT                              | MARKS |
|------------|-----------|-------------|--------------------------------------|-------|
| 11-05-2023 | Thursday  | 07BENG 3223 | Object Oriented Software Engineering | 70    |
| 12-05-2023 | Friday    | 07BENG 3224 | Data Ware Housing & Data Mining      | 70    |
| 15-05-2023 | Monday    | 07BENG 3225 | Cryptography & Network Security      | 70    |
|            |           |             | <b>Professional Elective – II</b>    |       |
| 17-05-2023 | Wednesday | 07BENG 3226 | Sensor Network                       | 70    |
|            |           | 07BENG 3227 | Machine Learning                     | 70    |
|            |           | 07BENG 3229 | Distributed System                   | 70    |
|            |           | 07BENG 3232 | Cloud Computing                      | 70    |
|            |           |             | <b>Open Elective – II</b>            |       |
| 19-05-2023 | Friday    | 07BENG 3228 | Web Technologies                     | 70    |
|            |           | 07BENG 3230 | Block Chain Technologies             | 70    |
|            |           | 07BENG 3231 | Embedded Systems                     | 70    |

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III/IV - II SEMESTER

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 07BENG 3213 | Web Technologies<br>(Common with I.T.)               | 70    |
| 12-05-2023 | Friday    | 07BENG 3220 | Data Warehousing & Data Mining<br>(Common with I.T.) | 70    |
| 15-05-2023 | Monday    | 07BENG 3221 | Sensor Networks<br>(Common with I.T.)                | 70    |
| 17-05-2023 | Wednesday | 07BENG 3212 | Compiler Design                                      | 70    |
|            |           |             | <b>ELECTIVE-II</b>                                   |       |
| 19-05-2023 | Friday    | 07BENG 3214 | a) Computer Graphics                                 | 70    |
|            |           | 07BENG 3215 | b) Embedded Systems                                  | 70    |
|            |           | 07BENG 3216 | c) Soft Computing                                    | 70    |
|            |           |             | <b>ELECTIVE-III</b>                                  | 70    |
| 20-05-2023 | Saturday  | 07BENG 3217 | a) Artificial Intelligence                           | 70    |
|            |           | 07BENG 3218 | b) Image Processing                                  | 70    |
| 22-05-2023 | Monday    | 07BENG 3219 | c) Distributed Systems                               | 70    |

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| DATE       | DAY       | CODE        | SUBJECT  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 07BENG 3202 | Object Oriented Software Engineering<br>(Common with I.T.) | 70    |
| 12-05-2023 | Friday    | 07BENG 3201 | Data Ware housing and Data Mining<br>(Common with I.T.)    | 70    |
| 15-05-2023 | Monday    | 07BENG 3203 | Design and Analysis of Algorithms<br>(Common with I.T.)    | 70    |
| 17-05-2023 | Wednesday | 07BENG 3209 | Compiler Design<br>(Common with I.T.)                      | 70    |
| 19-05-2023 | Friday    | 07BENG 3210 | Cryptography and Network Security<br>(Common with I.T.)    | 70    |
|            |           |             | <b>ELECTIVE-II</b>   |       |
| 20-05-2023 | Saturday  | 07BENG 3204 | a) Cloud Computing   | 70    |
|            |           | 07BENG 3205 | b) Soft Computing  | 70    |
|            |           | 07BENG 3206 | c) Distributed Systems                                     | 70    |
|            |           | 07BENG 3207 | d) Advanced Computer Architecture                          | 70    |
|            |           | 07BENG 3208 | e) Computer Graphics                                       | 70    |

W.E.F. 2007-2008 TO 2014-2015 A.B.  
III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE    | SUBJECT   | MARKS |
|------------|-----------|---------|---|-------|
| 11-05-2023 | Thursday  | 07 3219 | Data Communications                                   | 70    |
| 12-05-2023 | Friday    | 07 3218 | Data Base Management Systems<br>(Common with I.T.)    | 70    |
| 15-05-2023 | Monday    | 07 3217 | Design & Analysis of Algorithms<br>(Common with I.T.) | 70    |
| 17-05-2023 | Wednesday | 07 3216 | Complier Design (Common with I.T.)                    | 70    |
| 19-05-2023 | Friday    | 07 3224 | Computer Architecture                                 | 70    |
|            |           | 12 3210 | Computer Networks                                     | 70    |
|            |           | 12 3211 | Web Technologies                                      | 70    |
|            |           |         | <b>ELECTIVE-II</b>                                    |       |
| 20-05-2023 | Saturday  | 07 3220 | a) Principles of Programming Languages                | 70    |
|            |           | 07 3221 | b) Bio-Informatics                                    | 70    |
|            |           | 07 3222 | c) Image Processing                                   | 70    |
|            |           | 07 3223 | d) V H D L  | 70    |
|            |           | 07 3225 | e) Web Technologies (w.e.f. 2007-2008 A.B.)           | 70    |

(BY ORDER)

VISAKHAPATNAM  
Dated : 01-05-2023

  
**(J. RATNAM)**  
DEPUTY REGISTRAR (EXAMS.)

ANDHRA UNIVERSITY  
 B.TECH. III/IV METALLURGICAL ENGG. BRANCH  
 w.e.f. 2020-2021 Admitted Batch – Under CBCS Pattern  
 III/IV - II SEMESTER  
TIME-TABLE

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT   | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 08BENG 3214 | Metal Forming   | 70    |
| 12-05-2023 | Friday    | 08BENG 3215 | Environmental Degradation of Materials                | 70    |
| 15-05-2023 | Monday    | 08BENG 3216 | Advances in Steel Making & Production of Ferro Alloys | 70    |
|            |           |             | <b>Professional Elective – II</b>                     |       |
| 17-05-2023 | Wednesday | 08BENG 3217 | Composite Materials                                   | 70    |
|            |           |             | <b>Open Elective – II</b>                             |       |
| 19-05-2023 | Friday    | 08BENG 3218 | Metal Joining Processes                               | 70    |

w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern  
 III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT   | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 08BENG 3210 | Metal Forming   | 70    |
| 12-05-2023 | Friday    | 08BENG 3208 | Heat Treatment  | 70    |
| 15-05-2023 | Monday    | 08BENG 3211 | Advances in Steel Making & Production of Ferro Alloys | 70    |
| 17-05-2023 | Wednesday | 08BENG 3213 | <b>ELECTIVE-II</b><br>Composite Materials             | 70    |
| 19-05-2023 | Friday    | 08BENG 3209 | Foundry Practices                                     | 70    |
| 20-05-2023 | Saturday  | 08BENG 3212 | Non-Ferrous Extractive Metallurgy-II                  | 70    |

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ANDHRA UNIVERSITY  
B.TECH. III/IV METALLURGICAL ENGG. BRANCH  
w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT                              | MARKS |
|------------|-----------|-------------|--------------------------------------|-------|
| 11-05-2023 | Thursday  | 08BENG 3204 | Metal Forming                        | 70    |
| 12-05-2023 | Friday    | 08BENG 3202 | Heat Treatment                       | 70    |
| 15-05-2023 | Monday    | 08BENG 3206 | CBCS-Advances in Materials Science   | 70    |
| 17-05-2023 | Wednesday | 08BENG 3205 | Metal Joining Processes              | 70    |
| 19-05-2023 | Friday    | 08BENG 3203 | Foundry Practices                    | 70    |
| 20-05-2023 | Saturday  | 08BENG 3201 | Non-Ferrous Extractive Metallurgy-II | 70    |

W.E.F. 2007-2008 TO 2014-2015 A.B.  
III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE    | SUBJECT                             | MARKS |
|------------|-----------|---------|-------------------------------------|-------|
| 11-05-2023 | Thursday  | 08 3210 | Industrial Engineering & Management | 70    |
| 12-05-2023 | Friday    | 08 3211 | Instrumentation                     | 70    |
| 15-05-2023 | Monday    | 08 3212 | Testing of Materials-II             | 70    |
| 17-05-2023 | Wednesday | 08 3213 | Advanced Material Science           | 70    |
| 19-05-2023 | Friday    | 08 3214 | Steel Making                        | 70    |
|            |           |         | <b>ELECTIVE</b>                     |       |
| 20-05-2023 | Saturday  | 08 3215 | 1) Foundry Practices                | 70    |
|            |           | 08 3216 | 2) Advances in Casting              | 70    |
|            |           | 08 3217 | 3) Advances in Iron Making          | 70    |

(BY ORDER)

VISAKHAPATNAM  
Dated : 01-05-2023

  
(J. RATNAM)  
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ANDHRA UNIVERSITY  
 B.TECH. III/IV NAVAL ARCHITECTURE & MARINE ENGINEERING  
 w.e.f. 2020-2021 Admitted Batch – Under CBCS Pattern  
 III/IV - II SEMESTER  
TIME-TABLE

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT                           | MARKS |
|------------|-----------|-------------|-----------------------------------|-------|
| 11-05-2023 | Thursday  | 28BENG 3223 | Resistance and Propulsion         | 70    |
| 12-05-2023 | Friday    | 28BENG 3224 | Strength of Ships                 | 70    |
| 15-05-2023 | Monday    | 28BENG 3225 | Ship Design – II                  | 70    |
|            |           |             | <b>Professional Elective – II</b> |       |
| 17-05-2023 | Wednesday | 28BENG 3226 | Marine Manufacturing Technology   | 70    |
|            |           |             | <b>Open Elective – II</b>         |       |
| 19-05-2023 | Friday    | 28BENG 3227 | Computer Aided Ship Design (CASD) | 70    |

w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern  
 III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT                                      | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 28BENG 3212 | Marine Hydrodynamics                         | 70    |
| 12-05-2023 | Friday    | 28BENG 3211 | Strength of Ships                            | 70    |
| 15-05-2023 | Monday    | 28BENG 3213 | Ship Design-II                               | 70    |
| 17-05-2023 | Wednesday | 28BENG 3217 | Marine Manufacturing Technology              | 70    |
| 19-05-2023 | Friday    | 28BENG 3218 | (CASD) Computer Aided Ship Design            | 70    |
|            |           |             | <b>ELECTIVE-II</b>                           |       |
|            |           | 28BENG 3214 | a) Marine Refrigeration and Air Conditioning | 70    |
| 20-05-2023 | Saturday  | 28BENG 3215 | b) Introduction to offshore Structures       | 70    |
|            |           | 28BENG 3216 | c) Ocean Structures and Materials            | 70    |
|            |           |             | <b>ELECTIVE-III</b>                          |       |
|            |           | 28BENG 3219 | a) Dynamics of Off Shore Structures          | 70    |
| 22-05-2023 | Monday    | 28BENG 3220 | b) Marine Diesel Engine                      | 70    |
|            |           | 28BENG 3221 | c) Under Water Acoustics                     | 70    |

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B.TECH. III/IV NAVAL ARCHITECTURE & MARINE ENGINEERING  
w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern  
II SEMESTER  
TIME-TABLE

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT                                      | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 28BENG 3202 | Marine Hydrodynamics                         | 70    |
| 12-05-2023 | Friday    | 28BENG 3201 | Strength of Ships                            | 70    |
| 15-05-2023 | Monday    | 28BENG 3203 | Ship Design-II                               | 70    |
| 17-05-2023 | Wednesday | 28BENG 3208 | Marine Manufacturing Technology              | 70    |
| 19-05-2023 | Friday    | 28BENG 3209 | Computer Aided Ship Design                   | 70    |
|            |           |             | <b>ELECTIVE-II</b>                           |       |
| 20-05-2023 | Saturday  | 28BENG 3204 | a) Marine Refrigeration and Air Conditioning | 70    |
|            |           | 28BENG 3205 | b) Introduction to offshore Structures       | 70    |
|            |           | 28BENG 3206 | c) Ocean Structures and Materials            | 70    |
|            |           | 28BENG 3207 | d) Operation Research                        | 70    |

W.E.F. 2009 - 2010 TO 2014-2015 A.B.  
III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE    | SUBJECT   | MARKS |
|------------|-----------|---------|---|-------|
| 11-05-2023 | Thursday  | 28 3201 | Manufacturing Technology  | 70    |
| 12-05-2023 | Friday    | 28 3202 | Resistance and Propulsion (old)                                 | 70    |
|            |           | 28 3210 | Strength of Ships (2011-12 a.b.)                                | 70    |
| 15-05-2023 | Monday    | 28 3203 | Marine Hydrodynamics  | 70    |
| 17-05-2023 | Wednesday | 28 3204 | Ship Design-II  | 70    |
| 19-05-2023 | Friday    | 28 3209 | Ship Construction   | 70    |
|            |           |         | <b>ELECTIVE-II</b>  |       |
| 20-05-2023 | Saturday  | 28 3205 | a) Marine Power Plant Engineering                               | 70    |
|            |           | 28 3206 | b) Offshore Structures (Old)                                    | 70    |
|            |           | 28 3207 | c) Ocean Structures and Materials                               | 70    |
|            |           | 28 3208 | d) Operation Research   | 70    |
|            |           | 28 3211 | e) Introduction to offshore Structures<br>(w.e.f. 2011-2012 AB) | 70    |

(BY ORDER)

VISAKHAPATNAM  
Dated : 01-05-2023

  
(J. RATNAM)  
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ANDHRA UNIVERSITY  
B.TECH. III/IV INSTRUMENTATION ENGG. AND  
III/VI INTEGRATED DUAL DEGREE B.TECH.+M.TECH. INSTRUMENTATION ENGG.  
w.e.f. 2020-2021 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER  
**TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                                | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 11BENG 3226 | Digital Signal Processing              | 70    |
| 12-05-2023 | Friday    | 11BENG 3227 | Process Control and Control Components | 70    |
| 15-05-2023 | Monday    | 11BENG 3228 | Bio Medical Instrumentation            | 70    |
|            |           |             | <b>Professional Elective – II</b>      |       |
| 17-05-2023 | Wednesday | 11BENG 3229 | Power Plant Instrumentation            | 70    |
|            |           |             | <b>Open Elective – II</b>              |       |
| 19-05-2023 | Friday    | 11BENG 3230 | VLSI Design                            | 70    |

w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                                     | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 11BENG 3216 | Digital Signal Processing                   | 70    |
| 12-05-2023 | Friday    | 11BENG 3217 | Process Control and Control Components      | 70    |
|            |           |             | <b>OPEN ELECTIVE-II</b>                     |       |
| 15-05-2023 | Monday    | 11BENG 3224 | a) VLSI                                     | 70    |
|            |           | 11BENG 3225 | b) Humanities and Management Course         | 70    |
|            |           | 11BENG 3214 | c) Industrial Management & Interpreneurship | 70    |
|            |           |             | <b>ELECTIVE-II</b>                          |       |
| 17-05-2023 | Wednesday | 11BENG 3218 | a) Power Plant Instrumentation              | 70    |
|            |           | 11BENG 3219 | b) Non-Destructive Testing                  | 70    |
|            |           | 11BENG 3220 | c) Fundamentals of Nano Sensors             | 70    |
|            |           |             | <b>ELECTIVE-III</b>                         |       |
| 19-05-2023 | Friday    | 11BENG 3221 | a) Advance Control Theory                   | 70    |
|            |           | 11BENG 3222 | b) Advanced Sensing Techniques              | 70    |
|            |           | 11BENG 3223 | c) Design of Instrument Systems             | 70    |
|            |           |             | <b>OPEN ELECTIVE-I</b>                      |       |
| 22-05-2023 | Monday    | 11BENG 3225 | Industrial Management & Interpreneurship    | 70    |

**B.TECH. III/IV INSTRUMENTATION ENGG. AND  
III/VI INTEGRATED DUAL DEGREE B.TECH.+M.TECH. INSTRUMENTATION ENGG.  
w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER  
TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                                  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 11BENG 3201 | Digital Signal Processing                | 70    |
| 12-05-2023 | Friday    | 11BENG 3203 | Process Control and Control Components   | 70    |
| 15-05-2023 | Monday    | 11BENG 3202 | Micro Controller Based Instrumentation   | 70    |
| 17-05-2023 | Wednesday | 11BENG 3204 | Industrial Electronics                   | 70    |
|            |           |             | <b>ELECTIVE-III</b>                      |       |
| 19-05-2023 | Friday    | 11BENG 3205 | a) Analytical Instruments                | 70    |
|            |           | 11BENG 3206 | b) Advanced Control Theory               | 70    |
|            |           | 11BENG 3207 | c) Intelligent Control                   | 70    |
|            |           | 11BENG 3208 | d) Advanced Sensing Techniques           | 70    |
|            |           | 11BENG 3209 | e) Fundamentals of Nano Science and MEMS | 70    |
|            |           |             | <b>ELECTIVE-IV</b>                       |       |
| 20-05-2023 | Saturday  | 11BENG 3210 | a) Petro Chemical Instrumentation        | 70    |
|            |           | 11BENG 3211 | b) Power Plant Instrumentation           | 70    |
|            |           | 11BENG 3212 | c) Steel Plant Instrumentation           | 70    |
|            |           | 11BENG 3213 | d) Instrumentation for Special Processes | 70    |
|            |           | 11BENG 3214 | e) Design of Instrument Systems          | 70    |

**W.E.F. 2007-2008 TO 2014-2015 A.B.  
III/IV - II SEMESTER**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE    | SUBJECT   | MARKS |
|------------|-----------|---------|---|-------|
| 11-05-2023 | Thursday  | 11 3210 | Digital Signal Processing                       | 70    |
| 12-05-2023 | Friday    | 11 3211 | Advanced Microprocessors & Micro<br>Controllers | 70    |
| 15-05-2023 | Monday    | 11 3212 | Industrial Electronics                          | 70    |
| 17-05-2023 | Wednesday | 11 3213 | Process Control and Control Components          | 70    |
| 19-05-2023 | Friday    | 11 3214 | Control Systems-II                              | 70    |
|            |           |         | <b>ELECTIVE</b>                                 |       |
| 20-05-2023 | Saturday  | 11 3215 | a) Petro Chemical Instrumentation               | 70    |
|            |           | 11 3216 | b) Power Plant Instrumentation                  | 70    |
|            |           | 11 3217 | c) Steel Plant Instrumentation                  | 70    |
|            |           | 11 3218 | d) Instrumentation for Special Processes        | 70    |

(BY ORDER)

VISAKHAPATNAM  
Dated : 01-05-2023

  
**J. RATNAM**  
 DEPUTY REGISTRAR (EXAMS.)



ANDHRA UNIVERSITY  
B.TECH. III/IV INFORMATION TECHNOLOGY ENGG. BRANCH  
w.e.f. 2020-2021 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER

**TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE         | SUBJECT                           | MARKS |
|------------|-----------|--------------|-----------------------------------|-------|
| 11-05-2023 | Thursday  | 12 BENG 3212 | Internet of Things                | 70    |
| 12-05-2023 | Friday    | 12 BENG 3213 | Data Ware Housing & Data Mining   | 70    |
| 15-05-2023 | Monday    | 12 BENG 3214 | Cryptography & Network Security   | 70    |
|            |           |              | <b>Professional Elective – II</b> | 70    |
| 17-05-2023 | Wednesday | 12 BENG 3215 | Machine Learning                  | 70    |
|            |           |              | <b>Open Elective – II</b>         | 70    |
| 19-05-2023 | Friday    | 12 BENG 3216 | Block Chain Technology            | 70    |

w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 07BENG 3213 | Web Technologies<br>(Common with CSE)                | 70    |
| 12-05-2023 | Friday    | 07BENG 3220 | Data Warehousing & Data Mining<br>(Common with I.T.) | 70    |
| 15-05-2023 | Monday    | 12BENG 3210 | Cryptography and Network Security                    | 70    |
| 17-05-2023 | Wednesday | 12BENG 3207 | Computer Graphics and Multimedia                     | 70    |
|            |           |             | <b>ELECTIVE-III</b>                                  |       |
| 20-05-2023 | Saturday  | 07BENG 3217 | a) Artificial Intelligence<br>(Common with CSE)      | 70    |
|            |           | 07BENG 3218 | b) Image Processing<br>(Common with CSE)             | 70    |
|            |           | 12BENG 3209 | c) Mobile Computing                                  | 70    |
|            |           |             | <b>ELECTIVE-II</b>                                   |       |
| 22-05-2023 | Monday    | 07BENG 3219 | a) Distributed Systems<br>(Common with CSE)          | 70    |
|            |           | 12BENG 3208 | b) Information Retrieval                             | 70    |

:: 2 ::

B.TECH. III/IV INFORMATION TECHNOLOGY ENGG. BRANCH  
w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER  
TIME-TABLE

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT   | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 07BENG 3202 | Object Oriented Software Engineering<br>(Common with CSE) | 70    |
| 12-05-2023 | Friday    | 07BENG 3201 | Data Ware housing and Data Mining<br>(Common with CSE)    | 70    |
| 15-05-2023 | Monday    | 07BENG 3203 | Design and Analysis of Algorithms<br>(Common with CSE)    | 70    |
| 17-05-2023 | Wednesday | 07BENG 3209 | Compiler Design (Common with CSE)                         | 70    |
| 19-05-2023 | Friday    | 07BENG 3210 | Cryptography and Network Security<br>(Common with CSE)    | 70    |
|            |           |             | <b>ELECTIVE-II</b>  |       |
| 20-05-2023 | Saturday  | 12BENG 3201 | a) Image Processing                                       | 70    |
|            |           | 12BENG 3202 | b) Distributed Database Systems                           | 70    |
|            |           | 12BENG 3203 | c) E-Commerce   | 70    |
|            |           | 12BENG 3204 | d) Mobile Computing                                       | 70    |
|            |           | 12BENG 3205 | e) Soft Computing   | 70    |

W.E.F. 2007-2008 TO 2014-2015 A.B.  
III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE    | SUBJECT  | MARKS |
|------------|-----------|---------|--|-------|
| 11-05-2023 | Thursday  | 12 3215 | Computer Networks  | 70    |
| 12-05-2023 | Friday    | 07 3218 | Database Management Systems<br>(Common with Computer Engg.,)     | 70    |
| 15-05-2023 | Monday    | 07 3217 | Design & Analysis of Algorithms<br>(Common with Computer Engg.,) | 70    |
| 17-05-2023 | Wednesday | 07 3216 | Compiler Design<br>(Common with Computer Engg.,)                 | 70    |
| 19-05-2023 | Friday    | 12 3216 | Web Technologies   | 70    |
| 20-05-2023 | Saturday  | 12 3217 | Operations Research  | 70    |

(BY ORDER)

VISAKHAPATNAM  
Dated : 01-05-2023

  
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III/VI INTEGRATED DUAL DEGREE B.TECH.+M.TECH. CHEMICAL ENGG.  
w.e.f. 2020-2021 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER

**TIME-TABLE**

| DATE       | DAY       | CODE        | SUBJECT   | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 13BENG 3225 | Mass Transfer - II  | 70    |
| 12-05-2023 | Friday    | 13BENG 3226 | Chemical Reaction Engineering – II                        | 70    |
| 15-05-2023 | Monday    | 13BENG 3227 | Process Instrumentation & Control                         | 70    |
| 17-05-2023 | Wednesday | 15BENG 3229 | Essence of Indian Traditional Knowledge                   | 100   |
|            |           |             | <b>Professional Elective – II</b>                         |       |
| 19-05-2023 | Friday    | 13BENG 3228 | Petro Chemical  | 70    |
|            |           | 13BENG 3229 | White Ware and Heavy Clay Ware                            | 70    |
|            |           | 13BENG 3230 | Chemical Engineering Mathematics                          | 70    |
|            |           |             | <b>Open Elective – II</b>                                 |       |
| 20-05-2023 | Saturday  | 15BENG 3227 | Nano Science & Technology<br>(Common with Bio-technology) | 70    |

w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                                 | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 13BENG 3222 | Mass Transfer-II                        | 70    |
| 12-05-2023 | Friday    | 13BENG 3213 | Chemical Reaction Engineering-I         | 70    |
| 15-05-2023 | Monday    | 13BENG 3214 | Process Engineering & Economics         | 70    |
| 17-05-2023 | Wednesday | 13BENG 3221 | Transport Phenomena                     | 70    |
|            |           |             | <b>ELECTIVE-II</b>                      |       |
| 19-05-2023 | Friday    | 13BENG 3215 | a) Process Modelling and Simulation     | 70    |
|            |           | 13BENG 3216 | b) Petroleum Chemicals                  | 70    |
|            |           | 13BENG 3217 | c) White ware and Heavy Clay ware       | 70    |
|            |           | 13BENG 3218 | d) Computational Fluid Dynamics         | 70    |
|            |           | 13BENG 3219 | e) Multi component Separation Processes | 70    |
|            |           | 13BENG 3220 | f) Chemical Engineering Mathematics     | 70    |
|            |           |             | <b>OPEN ELECTIVE</b>                    |       |
| 20-05-2023 | Saturday  | 13BENG 3223 | Nano Science & Technology               | 70    |

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**B.TECH. III/IV CHEMICAL ENGINEERING**  
**III/VI INTEGRATED DUAL DEGREE B.TECH.+M.TECH. CHEMICAL ENGG.**  
**w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern**  
**III/IV - II SEMESTER**  
**TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT   | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 13BENG 3201 | Mass Transfer-II                                | 70    |
| 12-05-2023 | Friday    | 13BENG 3202 | Chemical Reaction Engineering-I                 | 70    |
| 15-05-2023 | Monday    | 13BENG 3203 | Process Instrumentation                         | 70    |
| 17-05-2023 | Wednesday | 13BENG 3204 | Chemical Engineering Mathematics                | 70    |
| 20-05-2023 | Saturday  | 13BENG 3205 | Process Dynamics and Control                    | 70    |
|            |           |             | <b>ELECTIVE-II</b>                              |       |
| 19-05-2023 | Friday    | 13BENG 3206 | a) Computer Application in Chemical Engineering | 70    |
|            |           | 13BENG 3207 | b) Process Modelling and Simulation             | 70    |
|            |           | 13BENG 3208 | c) Petroleum Refining                           | 70    |
|            |           | 13BENG 3209 | d) White ware and Heavy Clay ware               | 70    |
|            |           | 13BENG 3210 | e) Computational Fluid Dynamics                 | 70    |
|            |           | 13BENG 3211 | f) Multi component Separation Processes         | 70    |

**W.E.F. 2007-2008 TO 2014-2015 A.B.**  
**III/IV - II SEMESTER**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE    | SUBJECT   | MARKS |
|------------|-----------|---------|---|-------|
| 11-05-2023 | Thursday  | 13 3216 | Mass Transfer-II                                      | 70    |
| 12-05-2023 | Friday    | 13 3215 | Chemical Engineering Thermodynamics-II                | 70    |
| 15-05-2023 | Monday    | 13 3217 | Material Science and Engineering                      | 70    |
| 17-05-2023 | Wednesday | 13 3218 | Organic Chemical Technology                           | 70    |
| 19-05-2023 | Friday    | 13 3219 | Bio-Chemical Engineering – Principles                 | 70    |
|            |           | 13 3229 | Chemical Reaction Engg.-I (2011-2012 AB)              | 70    |
|            |           |         | <b>ELECTIVE-II</b>                                    |       |
| 20-05-2023 | Saturday  | 13 3220 | a) Polymer Technology                                 | 70    |
|            |           | 13 3221 | b) Computer Applications                              | 70    |
|            |           | 13 3222 | c) Paper Technology                                   | 70    |
|            |           | 13 3223 | d) Protein Engineering                                | 70    |
|            |           | 13 3224 | e) Computational Fluid Dynamics                       | 70    |
|            |           | 13 3225 | f) Finite Volume Method                               | 70    |
|            |           | 13 3226 | g) Petroleum Refining                                 | 70    |
|            |           | 13 3227 | h) Bio-Chemistry                                      | 70    |
|            |           | 13 3228 | i) White Ware & Heavy Clay Ware (w.e.f. 2009-2010 AB) | 70    |

(BY ORDER)

VISAKHAPATNAM  
Dated : 01-05-2023

  
(J. RATNAM)  
DEPUTY REGISTRAR (EXAMS.)

## ANDHRA UNIVERSITY

B.TECH. III/IV BIOTECHNOLOGY ENGG.  
w.e.f. 2020-2021 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER  
**TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT   | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 15BENG 3222 | Immunology  | 70    |
| 12-05-2023 | Friday    | 15BENG 3223 | Bioinformatics  | 70    |
| 17-05-2023 | Wednesday | 15BENG 3229 | Essence of Indian Traditional Knowledge                         | 100   |
| 15-05-2023 | Monday    | 15BENG 3224 | Genetic Engineering   | 70    |
|            |           |             | <b>Professional Elective – II</b>                               |       |
| 19-05-2023 | Friday    | 15BENG 3226 | Pharmaceutical Biotechnology                                    | 70    |
|            |           |             | <b>Open Elective – II</b>                                       |       |
| 20-05-2023 | Saturday  | 15BENG 3227 | Nano Science & Technology<br>(Common with Chemical Engineering) | 70    |
| 22-05-2023 | Monday    | 15BENG 3225 | Process Control   | 70    |

w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT   | MAR<br>KS |
|------------|-----------|-------------|---|-----------|
| 11-05-2023 | Thursday  | 15BENG 3213 | Immunology                                      | 70        |
| 12-05-2023 | Friday    | 15BENG 3214 | Bioinformatics                                  | 70        |
| 15-05-2023 | Monday    | 15BENG 3211 | Chemical Reaction Engineering                   | 70        |
| 17-05-2023 | Wednesday | 15BENG 3212 | Engineering Economics and Bioprocess Design     | 70        |
| 19-05-2023 | Friday    | 15BENG 3215 | Bioprocess Engineering                          | 70        |
|            |           |             | <b>ELECTIVE-I</b>                               |           |
| 20-05-2023 | Saturday  | 15BENG 3216 | a) Pharmaceutical Biotechnology                 | 70        |
|            |           | 15BENG 3217 | b) Animal Cell Culture and Hybridoma Technology | 70        |
|            |           | 15BENG 3218 | c) Cancer Biology                               | 70        |
|            |           | 15BENG 3219 | d) Stem Cells in Health Care                    | 70        |
|            |           | 15BENG 3220 | e) Intellectual Property Rights                 | 70        |

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B.TECH. III/IV BIOTECHNOLOGY ENGG.  
w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern  
III/IV - II SEMESTER  
**TIME-TABLE**

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE        | SUBJECT   | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 15BENG 3202 | Immunology                                      | 70    |
| 12-05-2023 | Friday    | 15BENG 3205 | Process Control                                 | 70    |
| 15-05-2023 | Monday    | 15BENG 3201 | Chemical Reaction Engineering                   | 70    |
| 17-05-2023 | Wednesday | 15BENG 3203 | Engineering Economics and Bioprocess Engg.      | 70    |
| 19-05-2023 | Friday    | 15BENG 3204 | Bioprocess Engineering                          | 70    |
|            |           |             | <b>ELECTIVE-I</b>                               |       |
| 20-05-2023 | Saturday  | 15BENG 3206 | a) Pharmaceutical Biotechnology                 | 70    |
|            |           | 15BENG 3207 | b) Animal Cell Culture and Hybridoma Technology | 70    |
|            |           | 15BENG 3208 | c) Cancer Biology                               | 70    |
|            |           | 15BENG 3209 | d) Stem Cells in Health Care                    | 70    |

W.E.F. 2009-2010 A.B. & 2014-2015 A.B.  
III/IV - II SEMESTER

TIME : 09.00 AM TO 12.00 NOON

| DATE       | DAY       | CODE    | SUBJECT                                       | MARKS |
|------------|-----------|---------|---|-------|
| 11-05-2023 | Thursday  | 15 3225 | Bio-Statistics                                | 70    |
| 12-05-2023 | Friday    | 15 3226 | Chemical Reaction Engineering                 | 70    |
| 15-05-2023 | Monday    | 15 3227 | Bioprocess Engg.                              | 70    |
| 17-05-2023 | Wednesday | 15 3228 | Down Stream Processing                        | 70    |
| 19-05-2023 | Friday    | 15 3229 | Environmental Bio technology                  | 70    |
|            |           |         | <b>ELECTIVE-II</b>                            |       |
| 20-05-2023 | Saturday  | 15 3230 | 1) Pharmaceutical Biotechnology               | 70    |
|            |           | 15 3231 | 2) Cancer Biology                             | 70    |
|            |           | 15 3232 | 3) Animal Cell Culture & Hybridoma Technology | 70    |
|            |           | 15 3233 | 4) Stem Cells in Health Care                  | 70    |

(BY ORDER)

VISAKHAPATNAM  
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**B.TECH. III/IV GEOINFORMATICS ENGINEERING**  
**w.e.f. 2020-2021 Admitted Batch – Under CBCS Pattern**  
**III/IV - II SEMESTER**  
**TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT                                    | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 26BENG 3219 | Digital Image Processing                   | 70    |
| 12-05-2023 | Friday    | 26BENG 3220 | Geographical Information Systems-II        | 70    |
| 15-05-2023 | Monday    | 26BENG 3221 | Geodesy & GPS                              | 70    |
|            |           |             | <b>Professional Elective – II</b>          | 70    |
| 17-05-2023 | Wednesday | 26BENG 3222 | Artificial Intelligence                    | 70    |
|            |           |             | <b>Open Elective – II</b>                  | 70    |
| 19-05-2023 | Friday    | 26BENG 3223 | Geoinformatics for Coastal Zone Management | 70    |

**w.e.f. 2019-2020 Admitted Batch – Under CBCS Pattern**  
**III/IV - II SEMESTER**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT   | MARKS |
|------------|-----------|-------------|---|-------|
| 11-05-2023 | Thursday  | 26BENG 3213 | Digital Image Processing-I                        | 70    |
| 12-05-2023 | Friday    | 26BENG 3210 | Geographic Information System-II                  | 70    |
| 15-05-2023 | Monday    | 26BENG 3212 | Geodesy and GPS                                   | 70    |
| 17-05-2023 | Wednesday | 26BENG 3209 | Geological Engineering                            | 70    |
|            |           |             | <b>ELECTIVE-II</b>                                |       |
| 19-05-2023 | Friday    | 26BENG 3214 | a) Geoinformatics for Ocean Resources Evaluation  | 70    |
|            |           | 26BENG 3215 | b) Mathematical Morphology in Image Processing    | 70    |
|            |           | 26BENG 3216 | c) Geoinformatics for Forestry and Ecology        | 70    |
|            |           | 26BENG 3217 | d) Web Technology for GIS Mapping and Programming | 70    |
| 20-05-2023 | Saturday  | 26BENG 3211 | Artificial Intelligence                           | 70    |

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**B.TECH. III/IV GEOINFORMATICS ENGINEERING**  
**w.e.f. 2015-2016 Admitted Batch – Under CBCS Pattern**  
**III/IV - II SEMESTER**  
**TIME-TABLE**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE        | SUBJECT  | MARKS |
|------------|-----------|-------------|--|-------|
| 11-05-2023 | Thursday  | 26BENG 3205 | Digital Image Processing-I                       | 70    |
| 12-05-2023 | Friday    | 26BENG 3202 | Geographic Information Systems-II                | 70    |
| 15-05-2023 | Monday    | 26BENG 3204 | Geodesy and GPS                                  | 70    |
| 17-05-2023 | Wednesday | 26BENG 3201 | Geological Engineering                           | 70    |
|            |           |             | <b>ELECTIVE-I</b>                                |       |
| 19-05-2023 | Friday    | 26BENG 3206 | a) Geoinformatics for Ocean Resources Evaluation | 70    |
|            |           | 26BENG 3207 | b) Mathematical Morphology in Image Processing   | 70    |
| 20-05-2023 | Saturday  | 26BENG 3203 | Elements of Cartography                          | 70    |

**W.E.F. 2007-2008 A.B. TO 2014-2015 A.B.**  
**III/IV - II SEMESTER**

**TIME : 09.00 AM TO 12.00 NOON**

| DATE       | DAY       | CODE    | SUBJECT  | MARKS |
|------------|-----------|---------|--|-------|
| 11-05-2023 | Thursday  | 26 3201 | Artificial Intelligence (Supply.)                    | 70    |
|            |           | 26 3208 | Web Programming & Applications (w.e.f. 2011-2012 AB) | 70    |
| 12-05-2023 | Friday    | 26 3202 | Geographic Information Systems-I                     | 70    |
| 15-05-2023 | Monday    | 26 3203 | Elements of Cartography                              | 70    |
| 17-05-2023 | Wednesday | 26 3204 | Geodesy and G P S                                    | 70    |
| 19-05-2023 | Friday    | 26 3205 | Digital Image Processing-II                          | 70    |
|            |           |         | <b>ELECTIVE-II</b>                                   |       |
| 20-05-2023 | Saturday  | 26 3206 | A) Geoinformatics for Ocean Resources Evaluation     | 70    |
|            |           | 26 3207 | B) Mathematical Morphology in Image Processing       | 70    |

(BY ORDER)

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