



CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY

Courses of Study and Scheme of Examination of B.E. First Year (2012-13)
Common to all branches of Engineering except Bio-Tech. & Bio-Medical Engg.

FIRST SEMESTER

| S. No | Board of Study | Subject Code | Subject | Periods Per Week | | | Scheme of Examination | | | Total Marks | Credit [L+[T+P] 2 |
|-------|------------------------|--------------|--|------------------|---|----|-----------------------|-----|-----|-------------|-------------------------|
| | | | | | | | Theory | | | | |
| | | | | L | T | P | ESE | CT | TA | | |
| 1 | Basic Sciences | 300114(14) | Applied Mathematics-I | 4 | 1 | - | 80 | 20 | 20 | 120 | 5 |
| 2 | Humanities | 300111(46) | Professional Communication in English | 4 | - | - | 80 | 20 | 20 | 120 | 4 |
| 3 | Basic Sciences | 300112(11) | Applied Chemistry | 4 | 1 | - | 80 | 20 | 20 | 120 | 5 |
| 4 | Mechanical Engineering | 300211(37) | Engineering Graphics | 2 | 1 | 4 | 80 | 20 | 20 | 120 | 5 |
| 5 | Elect. Engg. | 300118(24) | Elements of Electrical Engineering (New) | 4 | 1 | - | 80 | 20 | 20 | 120 | 5 |
| 6 | Basic Sciences | 300121(11) | Applied Chemistry (Lab) | - | - | 2 | 40 | - | 20 | 60 | 1 |
| 7 | Elect. Engg. | 300126(24) | Elements of Electrical Engineering (Lab) | - | - | 2 | 40 | - | 20 | 60 | 1 |
| 8 | Mechanical Engineering | 300124(37) | Workshop Practice | - | - | 3 | 40 | - | 20 | 60 | 2 |
| 9 | Humanities | 300127(46) | Library & Seminar | - | - | 1 | - | - | 20 | 20 | 1 |
| TOTAL | | | | 18 | 4 | 12 | 520 | 100 | 180 | 800 | 29 |

L-Lecture, T-Tutorial, P-Practical, ESE – End Semester Exam, CT- Class Test, TA- Teacher's Assessment

Note: (i) The teaching in the 1st and 2nd semester will be divided in two groups consisting of various branches as shown below: P1-GROUP: Electronics & Communication, Information Technology, Electronics & Instrumentation, Electrical, Chemical, Electrical & Electronics; Q1-GROUP: Computer Science, Mechanical, Civil, Mining and Applied Electronics & Instrumentation, Metallurgy Mechatronics.

(ii) Applied Mathematics-I will be taught to both the groups in the first semester.

(iii) Library & seminar will be conducted by the relevant discipline/humanities as decided by the Principal.



CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY

Courses of Study and Scheme of Examination of B.E. First Year (2012-13)
Common to all branches of Engineering except Bio-Tech. & Bio-Medical Engg.

SECOND SEMESTER

| S. No | Board of Study | Subject Code | Subject | Periods Per Week | | | Scheme of Examination | | | Total Marks | Credit [L+[T+P] 2 |
|-------|------------------|--------------|---|------------------|---|---|-----------------------|-----|-----|-------------|----------------------|
| | | | | | | | Theory | | | | |
| | | | | L | T | P | ESE | CT | TA | | |
| 1 | Basic Sciences | 300214(14) | Applied Mathematics-II | 4 | 1 | - | 80 | 20 | 20 | 120 | 5 |
| 2 | Civil Engg. | 300212(20) | Environment & Ecology | 4 | - | - | 80 | 20 | 20 | 120 | 4 |
| 3 | Basic Sciences | 300218(15) | Applied Physics (New) | 4 | 1 | - | 80 | 20 | 20 | 120 | 5 |
| 4 | Civil Engg. | 300216(20) | Basic Civil Engineering | 4 | 1 | - | 80 | 20 | 20 | 120 | 5 |
| 5 | Mechanical Engg. | 300219(37) | Fundamental of Mechanical Engineering (New) | 4 | 1 | - | 80 | 20 | 20 | 120 | 5 |
| 6 | Basic Sciences | 300228(15) | Applied Physics (Lab) | - | - | 2 | 40 | - | 20 | 60 | 1 |
| 7 | Mechanical Engg. | 300229(37) | Mechanical Engineering (Lab) | - | - | 2 | 40 | - | 20 | 60 | 1 |
| 8 | Humanities | 300221(46) | Communication Skills (Lab) | - | - | 3 | 40 | - | 20 | 60 | 2 |
| 9 | Humanities | 300220(46) | Library & Seminar | - | - | 1 | - | - | 20 | 20 | 1 |
| TOTAL | | | | 20 | 4 | 8 | 520 | 100 | 180 | 800 | 29 |

L-Lecture, T-Tutorial, P-Practical, ESE – End Semester Exam, CT- Class Test, TA- Teacher's Assessment

Note:

- The teaching in the 1st and 2nd semester will be divided in two groups consisting of various branches as shown below:
P1-GROUP: Electronics & Communication, Information Technology, Electronics & Instrumentation, Electrical, Chemical, Electrical & Electronics; Q1-GROUP: Computer Science, Mechanical, Civil, Mining and Applied Electronics & Instrumentation, Metallurgy, Mechatronics.
- Applied Mathematics-II will be taught to both the groups in the second semester.
- Library & seminar will be conducted by the relevant discipline/humanities as decided by the Principal.

CHHATTISGARH SWAMI VIVEKANAD TECHNICAL UNIVERSITY, BHILAI
Scheme of Teaching & Examination
BE (Applied Electronics & Instrumentation Engineering) III Semester

| Sl. No. | Board of Studies | Subject Code | Subject Name | Periods Per Week | | | Scheme of Exam. (Theory/ Practical) | | | Total Marks | Credit L+(T+P)/2 |
|---------|---------------------------------|--------------|--------------------------------------|------------------|----------|-----------|-------------------------------------|------------|------------|-------------|------------------|
| | | | | L | T | P | ESE | CT | TA | | |
| 1 | Applied Mathematics | 312351(14) | Mathematics - III | 4 | 1 | - | 80 | 20 | 20 | 120 | 5 |
| 2 | Electronics and Instrumentation | 312352(27) | Basic Electronics | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 3 | Electronics and Instrumentation | 312353(27) | Measurement & Instruments | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 4 | Electronics and Instrumentation | 312354(27) | Network Analysis & Synthesis | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 5 | Electronics and Instrumentation | 312355(27) | Programming with 'C' | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 6 | Electronics and Telecomm. | 312356(28) | Digital Logic Design | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 7 | Electronics and Instrumentation | 312361(27) | Programming with 'C' Laboratory | - | - | 3 | 40 | - | 20 | 60 | 2 |
| 8 | Electronics and Instrumentation | 312362(27) | Basic Electronics Laboratory | - | - | 3 | 40 | - | 20 | 60 | 2 |
| 9 | Electronics and Instrumentation | 312363(27) | Measurement & Instruments Laboratory | - | - | 3 | 40 | - | 20 | 60 | 2 |
| 10 | Electronics and Instrumentation | 312364(27) | Digital Logic Circuit Laboratory | - | - | 3 | 40 | - | 20 | 60 | 2 |
| 11 | Humanities | 312365(46) | Value Education | - | - | 2 | - | - | 40 | 40 | 1 |
| 12 | | | Library | - | - | 1 | - | - | - | - | - |
| | | | Total | 19 | 6 | 15 | 640 | 120 | 240 | 1000 | 34 |

L: Lecture, T: Tutorial, P: Practical, ESE: End Semester Exam, CT: Class Test, TA: Teachers Assessment

Note: Duration of all theory papers will be of Three Hours.

CHHATTISGARH SWAMI VIVEKANAD TECHNICAL UNIVERSITY, BHILAI

SCHEME OF TEACHING AND EXAMINATION

BE (Applied Electronics & Instrumentation Engineering) IV Semester

| S. No. | Board of Studies | Subject Code | Subject Name | Periods Per Week | | | Scheme of Exam. (Theory/ Practical) | | | Total Marks | Credit L+(T+P)/2 |
|--------|---------------------------------------|--------------|--|------------------|----------|-----------|-------------------------------------|------------|------------|-------------|------------------|
| | | | | L | T | P | ESE | CT | TA | | |
| 1 | Applied Mathematics | 312451(14) | Mathematics - IV | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 2 | Electronics & Instrumentation | 312452(27) | Applied Electronics | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 3 | Electrical Engg. | 312453(24) | Electrical Machines | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 4 | Electronics & Instrumentation | 312454(27) | Sensors & Transducers | 3 | | - | 80 | 20 | 20 | 120 | 3 |
| 5 | Electronics & Telecomm. | 312455(28) | Microprocessor & Interfaces | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 6 | Electronics & Telecomm. | 312456(28) | Signals & Systems | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 7 | Applied Electronics & Instrumentation | 312461(12) | Applied Electronics Laboratory | - | - | 4 | 40 | - | 20 | 60 | 2 |
| 8 | Applied Electronics & Instrumentation | 312462(12) | Sensors & Transducers Laboratory | - | - | 3 | 40 | - | 20 | 60 | 2 |
| 9 | Applied Electronics & Instrumentation | 312463(12) | Electronics Workshop | - | - | 4 | 40 | - | 20 | 60 | 2 |
| 10 | Applied Electronics & Instrumentation | 312464(12) | Microprocessor & Interfaces Laboratory | - | - | 4 | 40 | - | 20 | 60 | 2 |
| 11 | Humanities | 312465(46) | Health, Hygiene & Yoga | - | - | 2 | - | - | 40 | 40 | 1 |
| 12 | | | Library | - | - | 1 | - | - | - | - | - |
| | | | Total | 18 | 5 | 18 | 640 | 120 | 240 | 1000 | 32 |

L: Lecture, T: Tutorial, P: Practical, ESE: End Semester Exam, CT: Class Test, TA: Teachers Assessment

Note (1): Duration of all theory papers will be of Three Hours.

Note (2): Industrial Training of six weeks is mandatory for B.E. student. It is to be completed in two parts. The first part will be in summer after IV semester after which students have to submit a training report which will be evaluated by the college teachers during B.E. V semester.

Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.)

Scheme of Teaching and Examination B.E. V SEMESTER

APPLIED ELECTRONICS AND INSTRUMENTATION

| S. No | Board of Studies | Subject Code | Subject Name | Periods Per Week | | | Scheme of Exam. (Theory/ Practical) | | | Total Marks | Credit L+(T+P)/2 |
|--------------|---|--------------|---|------------------|----------|-----------|-------------------------------------|------------|------------|-------------|------------------|
| | | | | L | T | P | ESE | CT | TA | | |
| 1 | Electronics and Instrumentation | 312551(27) | Signal Conditioning Circuits | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 2 | Electronics and Instrumentation | 312552(27) | Industrial Instrumentation | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 3 | Applied Electronics and Instrumentation | 312553(12) | Communication Systems & Engineering | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 4 | Applied Electronics and Instrumentation | 312554(12) | Medical Measurements & Instrumentation | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 5 | Electronics and Instrumentation | 312555(27) | Control System Engineering | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 6 | Electronics and Telecomm. | 312556(28) | Advanced Microprocessor & Interfacing | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 7 | Applied Electronics and Instrumentation | 312561(12) | Control System Engineering Laboratory | - | - | 3 | 40 | - | 20 | 60 | 2 |
| 8 | Applied Electronics and Instrumentation | 312562(12) | Signal Conditioning Circuits Laboratory | - | - | 4 | 40 | - | 20 | 60 | 2 |
| 9 | Applied Electronics and Instrumentation | 312563(12) | Advanced Microprocessor & Interfacing Laboratory | - | - | 4 | 40 | - | 20 | 60 | 2 |
| 10 | Applied Electronics and Instrumentation | 312564(12) | Medical Measurements & Instrumentation Laboratory | - | - | 2 | 40 | - | 20 | 60 | 1 |
| 11 | Humanities | 300565(46) | Personality Development | - | - | 2 | - | - | 20 | 20 | 1 |
| 12 | Applied Electronics and Instrumentation | 312566(12) | Practical Training Evaluation/ Library | - | - | 1 | - | - | 20 | 20 | 1 |
| Total | | | | 18 | 6 | 16 | 640 | 120 | 240 | 1000 | 33 |

L: Lecture

T: Tutorial

P: Practical

ESE: End Semester Examination

CT: Class Test

TA: Teacher's Assessment

** Industrial Training of ten weeks is mandatory for B.E. student. It is to be completed in two parts. The first part will be in summer after IV sem. after which students have to submit a training report which will be evaluated by the college teachers during B.E. V sem.*

Name of the Programme: Bachelor of Engineering :::: Duration of the Programme: Four Years

Chhattisgarh Swami Vivekanand Technical University, Bhilai

Scheme of Teaching & Examination

B.E. VI SEMESTER

APPLIED ELECTRONICS AND INSTRUMENTATION

| S. No. | Board of Studies | Subject Code | Subject Name | Periods Per Week | | | Scheme of Exam. (Theory/ Practical) | | | Total Marks | Credit L+(T+P)/2 |
|--------------|---|--------------|---|------------------|----------|-----------|-------------------------------------|------------|------------|-------------|------------------|
| | | | | L | T | P | ESE | CT | TA | | |
| 1 | Electronics and Instrumentation | 312651(27) | Process Dynamics & Control | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 2 | Electronics and Instrumentation | 312652(27) | Programmable Logic Controller | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 3 | Applied Electronics and Instrumentation | 312653(12) | Virtual Instrumentation | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 4 | Electronics and Instrumentation | 312654(27) | Digital Signal Processing | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 5 | Electronics and Telecomm. | 312655(28) | Microcontroller & Embedded Systems | 3 | 1 | - | 80 | 20 | 20 | 120 | 4 |
| 6 | Refer Table - 1 | | Professional Elective -1 | 3 | - | - | 80 | 20 | 20 | 120 | 3 |
| 7 | Applied Electronics and Instrumentation | 312661(12) | Programmable Logic Controller Laboratory | - | - | 2 | 40 | - | 20 | 60 | 1 |
| 8 | Applied Electronics and Instrumentation | 312662(12) | Microcontroller & Embedded Systems Laboratory | - | - | 4 | 40 | - | 20 | 60 | 2 |
| 9 | Applied Electronics and Instrumentation | 312663(12) | Digital Signal Processing Laboratory | - | - | 4 | 40 | - | 20 | 60 | 2 |
| 10 | Applied Electronics and Instrumentation | 312664(12) | Electronics Simulation Laboratory | - | - | 4 | 40 | - | 20 | 60 | 2 |
| 11 | Management | 300665(76) | Managerial Skills | - | - | 2 | - | - | 40 | 40 | 1 |
| | | | Library | - | | 1 | - | - | | | - |
| Total | | | | 18 | 5 | 17 | 640 | 120 | 240 | 1000 | 31 |

L: Lecture

T: Tutorial

P: Practical

ESE: End Semester Examination

CT: Class Test

TA: Teachers' Assessment

Note: Industrial Training of eight weeks is mandatory for B.E. students. It is to be completed in two equal parts. The first part must have been completed in summer after IV semester. The second part to be completed during summer after VI semester after which students have to submit a training report which will be evaluated by college teachers during B.E. VII semester.

Table - 1 (Professional Electives – I)

| S. No. | Board of Studies | Subject Code | Subject Name |
|--------|---------------------------------|--------------|--|
| 1 | Electronics and Instrumentation | 312671(27) | Data Structure using 'C++' |
| 2 | Electronics and Instrumentation | 312672(27) | Microelectronic Devices & VLSI Technology |
| 3 | Electronics and Instrumentation | 312673(27) | Telecommunication Switching & Computer Network |
| 4 | Electronics and Instrumentation | 312674(27) | Microwave Instrumentation |
| 5 | Electronics and Instrumentation | 312675(27) | Semiconductor Components & Materials |
| 6 | Electronics and Instrumentation | 312676(27) | Telematics |

Note:

- 1/4th of total strength of students to minimum of twenty students is required to offer an elective in the college in a particular academic session.
- Choice of elective course once made for an examination cannot be changed in future examinations.

Name of the Programme: Bachelor of Engineering :::: Duration of the Programme: Four Years

Chhattisgarh Swami Vivekanand Technical University, Bhilai (C. G.)

Scheme of Teaching and Examination

B.E. VII SEMESTER

APPLIED ELECTRONICS AND INSTRUMENTATION

| S. No. | Board of Studies | Subject Code | Subject Name | Periods Per Week | | | Scheme of Exam. (Theory/ Practical) | | | Total Marks | Credit L+(T+P)/2 |
|--------|---|--------------|--|------------------|----------|-----------|-------------------------------------|------------|------------|-------------|------------------|
| | | | | L | T | P | ESE | CT | TA | | |
| 1 | Electronics and Instrumentation | 312731(27) | Industrial Electronics | 4 | 1 | | 80 | 20 | 20 | 120 | 5 |
| 2 | Electronics and Instrumentation | 327732(27) | Analytical Instrumentation | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 3 | Electronics and Instrumentation | 327733(27) | Advanced Instrumentation | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 4 | Applied Electronics and Instrumentation | 312734(12) | Power Electronic Devices & Drives | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 5 | Professional Elective -2 | | Refer Table – 2 | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 6 | Applied Electronics and Instrumentation | 312761(12) | Analytical Instrumentation Lab | | | 4 | 40 | - | 20 | 60 | 2 |
| 7 | Applied Electronics and Instrumentation | 312762(12) | Virtual Instrumentation Laboratory | | | 4 | 40 | - | 20 | 60 | 2 |
| 8 | Applied Electronics and Instrumentation | 312763(12) | Power Electronic Devices & Drives Laboratory | | | 4 | 40 | - | 20 | 60 | 2 |
| 9 | Applied Electronics and Instrumentation | 312764(12) | Minor Project | | | 4 | 100 | - | 40 | 140 | 2 |
| 10 | Management | 312765(76) | Innovative & Entrepreneurial Skills | | | 2 | - | - | 40 | 40 | 1 |
| 11 | Applied Electronics and Instrumentation | 312766(12) | *Practical Training Evaluation/ Library | | | 1 | - | - | 40 | 40 | 1 |
| | | | Total | 16 | 5 | 19 | 620 | 100 | 280 | 1000 | 31 |

L-Lecture, T- Tutorial, P- Practical, ESE- End Semester Examination, CT- Class Test, TA- Teacher's Assessment

* To be completed after VI Semester and before the commencement of VII Semester

| Table - 2 (Professional Electives -2) | | | |
|--|---|---------------------|--|
| S. No. | Board of Studies | Subject Code | Subject Name |
| 1 | Applied Electronics and Instrumentation | 312741(27) | Data Acquisition System & Technology |
| 2 | Electronics and Instrumentation | 327742(27) | Instrumentation for Pollution Control |
| 3 | Electronics and Instrumentation | 327743(27) | Instrumentation & Control in Iron & Steel Industries |
| 4 | Electronics and Instrumentation | 327744(27) | Robotics & Automation |
| 5 | Electronics and Instrumentation | 327745(27) | Instrumentation System Reliability |
| 6 | Electronics and Instrumentation | 327746(27) | Neural Network & Fuzzy Logic Control |

Note (1) - 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a particular academic session.

Note (2) - Choice of elective course once made for an examination cannot be changed in future examinations

Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.)

Scheme of Teaching and Examination

B.E. VIII SEMESTER

APPLIED ELECTRONICS AND INSTRUMENTATION

| S. No. | Board of Studies | Subject Code | Subject Name | Periods Per Week | | | Scheme of Exam. (Theory/ Practical) | | | Total Marks | Credit L+(T+P)/2 |
|--------|---|--------------|---|------------------|----------|-----------|-------------------------------------|------------|------------|-------------|------------------|
| | | | | L | T | P | ESE | CT | TA | | |
| 1 | Electronics and Instrumentation | 327831(27) | Optical Instrumentation | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 2 | Electronics and Instrumentation | 327832(27) | Digital Measurement Techniques | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 3 | Applied Electronics and Instrumentation | 312833(12) | Supervisory Control & Data Acquisition System | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 4 | Professional Elective -3 | | Refer Table - 3 | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 5 | Open Elective -4 | | Refer Table - 4 | 3 | 1 | | 80 | 20 | 20 | 120 | 4 |
| 6 | Applied Electronics and Instrumentation | 312861(12) | Optical Instrumentation Laboratory | | | 4 | 40 | - | 20 | 60 | 2 |
| 7 | Applied Electronics and Instrumentation | 312862(12) | MATLAB & Simulink Laboratory | | | 4 | 40 | - | 20 | 60 | 2 |
| 8 | Applied Electronics and Instrumentation | 312863(12) | Process Instrumentation Laboratory | | | 4 | 40 | - | 20 | 60 | 2 |
| 9 | Applied Electronics and Instrumentation | 312864(12) | Major Project | | | 5 | 100 | - | 80 | 180 | 3 |
| 10 | Applied Electronics and Instrumentation | 312865(12) | Report writing & seminar | - | - | 2 | - | - | 40 | 40 | 1 |
| 11 | | | Library | - | - | 1 | - | - | - | - | - |
| | | | Total | 15 | 5 | 20 | 620 | 100 | 280 | 1000 | 30 |

L-Lecture, T- Tutorial, P- Practical, ESE- End Semester Examination, CT- Class Test,TA- Teacher's Assessment

| Table - 3 (Professional Electives -3) | | | |
|--|---|---------------------|-------------------------------|
| S. No. | Board of Studies | Subject Code | Subject Name |
| 1 | Electronics and Instrumentation | 327841(27) | Advanced Control System |
| 2 | Electronics and Instrumentation | 327842(27) | Fundamentals Of MEMS |
| 3 | Applied Electronics and Instrumentation | 312843(12) | Environmental Instrumentation |
| 4 | Electronics and Instrumentation | 327844(27) | Power Plant Instrumentation |
| 5 | Electronics and Instrumentation | 327845(27) | Digital Image Processing |
| 6 | Electronics and Instrumentation | 327846(27) | Operating Systems |

Note (1) - 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a particular academic session.

Note (2) - Choice of elective course once made for an examination cannot be changed in future examinations

Table - IV

| Open Elective –IV | | | |
|-------------------|--------------------------------|------------|--|
| S.No. | Board of Studies | Code | Name of Subject |
| 1 | Management | 300851(76) | Enterprise Resource Planning (Except CSE & IT Branch) |
| 2 | Information Technology | 300852(33) | E-Commerce & strategic IT (Except CSE & IT Branch) |
| 3 | Management | 300853(76) | Technology Management |
| 4 | Information Technology | 300854(33) | Decision Support & Executive Information system |
| 5 | Computer Science & Engg. | 300855(22) | Software Technology |
| 6 | Management | 300856(76) | Knowledge Entrepreneurship |
| 7 | Management | 300857(76) | Finance Management |
| 8 | Management | 300858(76) | Project Planning, Management & Evaluation |
| 9 | Mechanical Engg. | 300859(37) | Safety Engineering |
| 10 | Computer Science & Engg. | 300801(22) | Bio Informatics |
| 11 | Mechanical Engg. | 300802(37) | Energy Conservation & Management |
| 12 | Nanotechnology | 300803(47) | Nanotechnology |
| 13 | Management | 300804(76) | Intellectual Property Rights |
| 14 | Mechanical Engg. | 300805(37) | Value Engineering |
| 15 | Civil Engg. | 300806(20) | Disaster Management |
| 16 | Civil Engg. | 300807(20) | Construction Management |
| 17 | Civil Engg. | 300808(20) | Ecology and Sustainable Development |
| 18 | Chem. Engg. | 300809(19) | Non Conventional Energy Sources |
| 19 | Electrical Engg. | 300810(24) | Energy Auditing & Management (Except Electrical Engg. Branch) |
| 20 | Mechanical Engg. | 300811(37) | Managing Innovation & Entrepreneurship |
| 21 | Information Technology | 300812(33) | Biometrics |
| 22 | Information Technology | 300813(33) | Information Theory & Coding |
| 23 | Computer Science & Engg. | 300814(22) | Supply Chain Management |
| 24 | Computer Science & Engg. | 300815(22) | Internet & Web Technology |
| 25 | Electrical Engg. | 300816(24) | Electrical Estimation and Costing |
| 26 | Electrical & Electronics Engg. | 300817(25) | Non Conventional Energy Sources |
| 27 | Computer Science & Engg. | 300818(22) | Big Data and Hadoop |

Note (1) 1/4th of total strength of students is required to offer an elective in the college in a particular academic session.

(2) - Choice of elective course once made for an examination cannot be changed

Table - IV

| Open Elective –IV | | | |
|-------------------|--------------------------------|------------|--|
| S.No. | Board of Studies | Code | Name of Subject |
| 1 | Management | 300851(76) | Enterprise Resource Planning (Except CSE & IT Branch) |
| 2 | Information Technology | 300852(33) | E-Commerce & strategic IT (Except CSE & IT Branch) |
| 3 | Management | 300853(76) | Technology Management |
| 4 | Information Technology | 300854(33) | Decision Support & Executive Information system |
| 5 | Computer Science & Engg. | 300855(22) | Software Technology |
| 6 | Management | 300856(76) | Knowledge Entrepreneurship |
| 7 | Management | 300857(76) | Finance Management |
| 8 | Management | 300858(76) | Project Planning, Management & Evaluation |
| 9 | Mechanical Engg. | 300859(37) | Safety Engineering |
| 10 | Computer Science & Engg. | 300801(22) | Bio Informatics |
| 11 | Mechanical Engg. | 300802(37) | Energy Conservation & Management |
| 12 | Nanotechnology | 300803(47) | Nanotechnology |
| 13 | Management | 300804(76) | Intellectual Property Rights |
| 14 | Mechanical Engg. | 300805(37) | Value Engineering |
| 15 | Civil Engg. | 300806(20) | Disaster Management |
| 16 | Civil Engg. | 300807(20) | Construction Management |
| 17 | Civil Engg. | 300808(20) | Ecology and Sustainable Development |
| 18 | Chem. Engg. | 300809(19) | Non Conventional Energy Sources |
| 19 | Electrical Engg. | 300810(24) | Energy Auditing & Management (Except Electrical Engg. Branch) |
| 20 | Mechanical Engg. | 300811(37) | Managing Innovation & Entrepreneurship |
| 21 | Information Technology | 300812(33) | Biometrics |
| 22 | Information Technology | 300813(33) | Information Theory & Coding |
| 23 | Computer Science & Engg. | 300814(22) | Supply Chain Management |
| 24 | Computer Science & Engg. | 300815(22) | Internet & Web Technology |
| 25 | Electrical Engg. | 300816(24) | Electrical Estimation and Costing |
| 26 | Electrical & Electronics Engg. | 300817(25) | Non Conventional Energy Sources |
| 27 | Computer Science & Engg. | 300818(22) | Big Data and Hadoop |

Note (1) 1/4th of total strength of students is required to offer an elective in the college in a particular academic session.

(2) - Choice of elective course once made for an examination cannot be changed