



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web .www.secsomeshwar.ac.in *Email sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2016-2017

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|--------------------------|-----------------------|--|-----------------------|
| MECHANICAL ENGINEERING | SECOND (2015 PATTERN) | Engineering Mathematics – III | 207002 |
| | | Manufacturing Process-I | 202041 |
| | | Computer Aided Machine Drawing | 202042 |
| | | Thermodynamics | 202043 |
| | | Material Science | 202044 |
| | | Strength of Materials | 202051 |
| | | Audit course | 202055 |
| | | Fluid Mechanics | 202045 |
| | | Soft Skills | 202047 |
| | | Theory of Machines – I | 202048 |
| | | Engineering Metallurgy | 202049 |
| | | Applied Thermodynamics | 202050 |
| | | Electrical and Electronics Engineering | 203152 |
| | | Machine Shop – I | 202053 |
| MECHANICAL ENGINEERING | THIRD (2012 PATTERN) | Design of Machine Elements – I | 302041 |
| | | Heat Transfer | 302042 |
| | | Theory of Machines-II | 302043 |
| | | Metrology and Quality Control | 302044 |
| | | Hydraulics and Pneumatics | 302045 |
| | | Skill Development | 302046 |
| | | Numerical Methods and Optimization | 302047 |
| | | Design of Machine Elements -II | 302048 |
| | | Turbo Machines | 302049 |
| | | Mechatronics | 302050 |
| | | Manufacturing Process-II | 302051 |
| | | Machine Shop -II | 302052 |
| | | Seminar | 302053 |
| | | MECHANICAL ENGINEERING | FOURTH (2012 PATTERN) |
| CAD/ CAM Automation | 402042 | | |
| Dynamics of Machinery | 402043 | | |
| Elective – I | 402044 | | |
| Elective –II | 402045 | | |
| Project –I | 402046 | | |
| Power Plant Engineering | 402047 | | |
| Mechanical System Design | 402048 | | |
| Elective-III | 402049 | | |
| Elective-III | 402050 | | |
| Project – II | 402051 | | |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 305)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology.

Someshwamagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN.Engg./445/2012)

* Ph. (02112) 283185 * Fax : (02112) 283185
 * Web : www.secsomeshwar.ac.in *Email:sspml972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2016-2017

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|---------------------------|-----------------------------|--|-------------|
| ELECTRICAL ENGINEERING | SECOND (2015 PATTERN) | Power generation technologies | 203141 |
| | | Engineering Mathematics-III | 207006 |
| | | Material Science | 203142 |
| | | Analog and Digital Electronics | 203143 |
| | | Electrical Measurements and Instrumentation | 203144 |
| | | Soft Skills | 203151 |
| | | Audit Course I | 203154 |
| | | Power System I | 203145 |
| | | Electrical Machines I | 203146 |
| | | Network Analysis | 203147 |
| | | Numerical Methods and Computer Programming | 203148 |
| | | Fundamentals of Microcontroller and Applications | 203149 |
| Audit Course II | 203155 | | |
| ELECTRICAL ENGINEERING | THIRD (2012 PATTERN) | Industrial and Technology Management | 311121 |
| | | Advance Microcontroller and its Applications | 303141 |
| | | Electrical Machines II | 303142 |
| | | Power Electronics | 303143 |
| | | Electrical Installation, Maintenance and Testing | 303144 |
| | | Seminar and Technical Communication | 303145 |
| | | Power System II | 303146 |
| | | Control System I | 303147 |
| | | Utilization of Electrical Energy | 303148 |
| | | Design of Electrical Machines | 303149 |
| | | Energy audit and Management | 303150 |
| | | Electrical Workshop | 303151 |
| ELECTRICAL ENGINEERING | FOURTH (2012 PATTERN) | Power System Operation and Control | 403141 |
| | | PLC and SCADA Applications | 403142 |
| | | Elective I | 403143 |
| | | Elective II | 403144 |
| | | Control System II | 403145 |
| | | Project | 403146 |
| | | Switchgear and Protection | 403147 |
| | | Power Electronic controlled Drives | 403148 |
| | | Elective-III | 403149 |
| | | Elective-IV | 403150 |
| Project | 403146 | | |



(Signature)
 PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwamagar, Tal. Baramati, Dist. Pune (Pin : 412 306)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwaragar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in * Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2016-2017

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|---|-----------------------|--|-----------------------|
| COMPUTER ENGINEERING | SECOND (2015 PATTERN) | Discrete Mathematics | 210241 |
| | | Digital Electronics and Logic Design | 210242 |
| | | Data Structures and Algorithms | 210243 |
| | | Computer Organization and Architecture | 210244 |
| | | Object Oriented Programming | 210245 |
| | | Soft Skills | 210249 |
| | | Audit Course 1 | 210250 |
| | | Engineering Mathematics III | 207003 |
| | | Computer Graphics | 210251 |
| | | Advanced Data Structures | 210252 |
| | | Microprocessor | 210253 |
| | | Principles of Programming Languages | 210254 |
| | | Audit Course 2 | 210258 |
| COMPUTER ENGINEERING | THIRD (2012 PATTERN) | Theory of Computation | 310241 |
| | | Operating Systems Design | 310242 |
| | | Data Communication and Wireless Sensor Networks | 310243 |
| | | Database Management Systems Applications | 310244 |
| | | Computer Forensic and Cyber Applications | 310245 |
| | | Employability Skills Development Lab | 310248 |
| | | Principles of Concurrent and Distributed Programming | 310249 |
| | | Embedded Operating Systems | 310250 |
| | | Computer Networks | 310251 |
| | | Software Engineering | 310252 |
| | | Digital Signal Processing Applications | 310253 |
| | | Seminar and Technical Communication Laboratory | 310256 |
| | | COMPUTER ENGINEERING | FOURTH (2012 PATTERN) |
| Principles of Modern Compiler Design | 410442 | | |
| Smart System Design and Applications | 410443 | | |
| Elective – I | 410444 | | |
| Elective –II | 410445 | | |
| Project –I | 410448 | | |
| Software Design Methodologies & Testing | 410449 | | |
| High Performance Computing | 410450 | | |
| Elective-III | 410451 | | |
| Elective-IV | 410452 | | |
| Project -II | 410455 | | |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwaragar, Tal. Baramati, Dist. Pune (Pin : 412 306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id.no.PU/PN.Egg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2016-2017

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|-------------------------|-----------------------|---|-----------------|
| COMMON FOR ALL COURSE | FIRST (2015 PATTERN) | Engineering Mathematics I | 107001 |
| | | Engineering Physics OR Engineering Chemistry | 107002 / 107009 |
| | | Engineering Graphics I | 102006 |
| | | Basic Electrical Engineering OR Basic Electronics Engineering | 103004 / 104012 |
| | | Basic Civil and Environmental Engineering | 101005 |
| | | Fundamentals of Programming Languages I | 110003 |
| | | Workshop Practice | 111007 |
| | | Engineering Mathematics II | 107008 |
| | | Engineering Chemistry OR Engineering Physics | 107009 / 107002 |
| | | Basic Mechanical Engineering | 102013 |
| | | Engineering Mechanics | 101011 |
| | | Basic Electronics Engineering OR Basic Electrical Engineering | 104012 / 103004 |
| | | Fundamentals of Programming Languages II | 110010 |
| Engineering Graphics II | 102014 | | |
| CIVIL ENGINEERING | SECOND (2015 PATTERN) | Building Technology and Materials | 201001 |
| | | Engineering Mathematics III | 207001 |
| | | Surveying | 201006 |
| | | Strength of Materials | 201002 |
| | | Geotechnical Engineering | 201003 |
| | | Fluid Mechanics I | 201004 |
| | | Architectural Planning and Design of Buildings | 201005 |
| | | Structural Analysis I | 201008 |
| | | Engineering Geology | 207009 |
| | | Concrete Technology | 201007 |
| CIVIL ENGINEERING | THIRD (2012 PATTERN) | Soft Skill | 201010 |
| | | Hydrology and Water Resources Engineering | 301001 |
| | | Infrastructure Engineering | 301002 |
| | | Structural Design I | 301003 |
| | | Structural Analysis II | 301004 |
| | | Fluid Mechanics II | 301005 |
| | | Employable Skill Development | 301006 |
| | | Advance Surveying | 301007 |
| | | Project Management and Engineering Economics | 301008 |
| | | Foundation Engineering | 301009 |
| | | Structural design II | 301010 |
| | | Environmental Engineering I | 301011 |
| | | Seminar & Technical Communication | 301012 |
| CIVIL ENGINEERING | FOURTH (2012 PATTERN) | Environmental Engineering II | 401001 |
| | | Transportation Engineering | 401002 |
| | | Structural Design and Drawing III | 401001 |
| | | Elective – I | 401002 |
| | | Elective –II | 401001 |
| | | Project –I | 401002 |
| | | Dams and Hydraulic Structures | 401007 |
| | | Quantity Surveying, Contracts and Tenders | 401008 |
| | | Elective-III | 401009 |
| | | Elective-III | 401010 |
| Project – II | 401011 | | |




 PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin: 412306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwamagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id.no.PU/PN Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2016-2017

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|---------------------------------|-----------------------|--|-------------|
| ELECTRONICS & TELECOMMUNICATION | SECOND (2015 PATTERN) | Signals & Systems | 204181 |
| | | Electronic Devices & Circuits 4 | 204182 |
| | | Network Theory | 204183 |
| | | Data structures & Algorithms | 204184 |
| | | Digital Electronics | 204185 |
| | | Electronic Measuring Instruments & Tools | 204186 |
| | | Engineering Maths-III | 207005 |
| | | Integrated Circuits | 204187 |
| | | Control Systems | 204188 |
| | | Analog Communication | 204189 |
| | | Computer Organization | 204190 |
| | | Object Oriented Programming | 204191 |
| | | Soft Skills | 204192 |
| ELECTRONICS & TELECOMMUNICATION | THIRD (2012 PATTERN) | Digital Communication | 304181 |
| | | Digital Signal Processing | 304182 |
| | | Micro Controller and Applications | 304183 |
| | | Electromagnetics and Transmission Lines | 304184 |
| | | System Programming and Operating System | 304185 |
| | | Employability Skills in Electronics Design | 304188 |
| | | Information Theory and Coding Techniques | 304189 |
| | | Antenna and Wave Propagation | 304190 |
| | | Embedded Processors | 304191 |
| | | Industrial Management | 304192 |
| | | Power Electronics | 304193 |
| | | Mini project and SemmaR | 304196 |
| | | VLSI Design & Technology | 404181 |
| ELECTRONICS & TELECOMMUNICATION | FOURTH (2012 PATTERN) | Computer Networks | 404182 |
| | | Microwave Engineering | 404183 |
| | | Elective I | 404184 |
| | | Elective II | 404185 |
| | | Project Phase I | 404188 |
| | | Mobile Communication | 404189 |
| | | Broadband Communication Systems | 404190 |
| | | Elective III | 404191 |
| | | Elective IV | 404192 |
| | | Project Phase II | 404195 |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwamagar, Tal. Baramati, Dist. Pune (Pin : 412 306)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web .www.secsomeshwar.ac.in *Email sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2017-18

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|------------------------|-----------------------|--|-------------|
| MECHANICAL ENGINEERING | SECOND (2015 PATTERN) | Engineering Mathematics – III | 207002 |
| | | Manufacturing Process-I | 202041 |
| | | Computer Aided Machine Drawing | 202042 |
| | | Thermodynamics | 202043 |
| | | Material Science | 202044 |
| | | Strength of Materials | 202051 |
| | | Audit course | 202055 |
| | | Fluid Mechanics | 202045 |
| | | Soft Skills | 202047 |
| | | Theory of Machines – I | 202048 |
| | | Engineering Metallurgy | 202049 |
| | | Applied Thermodynamics | 202050 |
| | | Electrical and Electronics Engineering | 203152 |
| | | Machine Shop – I | 202053 |
| MECHANICAL ENGINEERING | THIRD (2015 PATTERN) | Design of Machine Elements-I | 302041 |
| | | Heat Transfer | 302042 |
| | | Theory of Machines-II | 302043 |
| | | Turbo Machines | 302044 |
| | | Metrology and Quality Control | 302045 |
| | | Skill Development | 302046 |
| | | Numerical Methods and Optimization | 302047 |
| | | Design of Machine Elements-II | 302048 |
| | | Refrigeration and Air Conditioning | 302049 |
| | | Mechatronics | 302050 |
| | | Manufacturing -Process-II | 302051 |
| | | Machine Shop-II | 302052 |
| | | Seminar | 302053 |
| | | Audit Course | 302054 |
| MECHANICAL ENGINEERING | FOURTH (2012 PATTERN) | Refrigeration and Air Conditioning | 402041 |
| | | CAD/ CAM Automation | 402042 |
| | | Dynamics of Machinery | 402043 |
| | | Elective – I | 402044 |
| | | Elective –II | 402045 |
| | | Project –I | 402046 |
| | | Power Plant Engineering | 402047 |
| | | Mechanical System Design | 402048 |
| | | Elective-III | 402049 |
| | | Elective-III | 402050 |
| Project – II | 402051 | | |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology.

Someshwarnagar Tal – Baramati, Dist – Pune 412 306
(Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
Pune University, Id no.PU/PN.Engg./445/2012)

* Ph. (02112) 283185 * Fax : (02112) 283185
* Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2017-18

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|---------------------------|-----------------------------|--|-------------|
| ELECTRICAL ENGINEERING | SECOND (2015 PATTERN) | Power generation technologies | 203141 |
| | | Engineering Mathematics-III | 207006 |
| | | Material Science | 203142 |
| | | Analog and Digital Electronics | 203143 |
| | | Electrical Measurements and Instrumentation | 203144 |
| | | Soft Skills | 203151 |
| | | Audit Course I | 203154 |
| | | Power System I | 203145 |
| | | Electrical Machines I | 203146 |
| | | Network Analysis | 203147 |
| | | Numerical Methods and Computer Programming | 203148 |
| | | Fundamentals of Microcontroller and Applications | 203149 |
| | | Audit Course II | 203155 |
| ELECTRICAL ENGINEERING | THIRD (2015 PATTERN) | Industrial and Technology Management | 311121 |
| | | Advance Microcontroller and its Applications | 303141 |
| | | Electrical Machines II | 303142 |
| | | Power Electronics | 303143 |
| | | Electrical Installation, Maintenance and Testing | 303144 |
| | | Seminar and Technical Communication | 303145 |
| | | Audit Course III | 303152 |
| | | Power System II | 303146 |
| | | Control System I | 303147 |
| | | Utilization of Electrical Energy | 303148 |
| | | Design of Electrical Machines | 303149 |
| | | Energy Audit and Management | 303150 |
| | | Electrical Workshop | 303151 |
| Audit Course IV | 303153 | | |
| ELECTRICAL ENGINEERING | FOURTH (2012 PATTERN) | Power System Operation and Control | 403141 |
| | | PLC and SCADA Applications | 403142 |
| | | Elective I | 403143 |
| | | Elective II | 403144 |
| | | Control System II | 403145 |
| | | Project | 403146 |
| | | Switchgear and Protection | 403147 |
| | | Power Electronic controlled Drives | 403148 |
| | | Elective-III | 403149 |
| | | Elective-IV | 403150 |
| Project | 403146 | | |




PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web : www.secsomeshwar.ac.in *Email sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2017-18

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|----------------------|-----------------------|--|-------------|
| COMPUTER ENGINEERING | SECOND (2015 PATTERN) | Discrete Mathematics | 210241 |
| | | Digital Electronics and Logic Design | 210242 |
| | | Data Structures and Algorithms | 210243 |
| | | Computer Organization and Architecture | 210244 |
| | | Object Oriented Programming | 210245 |
| | | Soft Skills | 210249 |
| | | Audit Course 1 | 210250 |
| | | Engineering Mathematics III | 207003 |
| | | Computer Graphics | 210251 |
| | | Advanced Data Structures | 210252 |
| | | Microprocessor | 210253 |
| | | Principles of Programming Languages | 210254 |
| | | Audit Course 2 | 210258 |
| COMPUTER ENGINEERING | THIRD (2015 PATTERN) | Theory of Computation | 310241 |
| | | Database Management Systems (DBMS) | 310242 |
| | | Software Engineering & Project Management | 310243 |
| | | Information Systems & Engineering Economics | 310244 |
| | | Computer Networks(CN) | 310245 |
| | | Design & Analysis of Algorithms | 310250 |
| | | Systems Programming & Operating System (SP & OS) | 310251 |
| | | Embedded Systems & Internet of Things(ES & IoT) | 310252 |
| | | Software Modeling and Design | 310253 |
| | | Web Technology | 310254 |
| | | Seminar & Technical Communication | 310255 |
| COMPUTER ENGINEERING | FOURTH (2012 PATTERN) | Design & Analysis of Algorithms | 410441 |
| | | Principles of Modern Compiler Design | 410442 |
| | | Smart System Design and Applications | 410443 |
| | | Elective - I | 410444 |
| | | Elective -II | 410445 |
| | | Project -I | 410448 |
| | | Software Design Methodologies & Testing | 410449 |
| | | High Performance Computing | 410450 |
| | | Elective-III | 410451 |
| | | Elective-IV | 410452 |
| Project -II | 410455 | | |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology.
 Someshwamagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id.no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2017-18

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|-----------------------|-----------------------|---|-----------------|
| COMMON FOR ALL COURSE | FIRST (2015 PATTERN) | Engineering Mathematics I | 107001 |
| | | Engineering Physics OR Engineering Chemistry | 107002 / 107009 |
| | | Engineering Graphics I | 102006 |
| | | Basic Electrical Engineering OR Basic Electronics Engineering | 103004 / 104012 |
| | | Basic Civil and Environmental Engineering | 101005 |
| | | Fundamentals of Programming Languages I | 110003 |
| | | Workshop Practice | 111007 |
| | | Engineering Mathematics II | 107008 |
| | | Engineering Chemistry OR Engineering Physics | 107009 / 107002 |
| | | Basic Mechanical Engineering | 102013 |
| | | Engineering Mechanics | 101011 |
| | | Basic Electronics Engineering OR Basic Electrical Engineering | 104012 / 103004 |
| | | Fundamentals of Programming Languages II | 110010 |
| | | Engineering Graphics II | 102014 |
| CIVIL ENGINEERING | SECOND (2015 PATTERN) | Building Technology and Materials | 201001 |
| | | Engineering Mathematics III | 207001 |
| | | Surveying | 201006 |
| | | Strength of Materials | 201002 |
| | | Geotechnical Engineering | 201003 |
| | | Fluid Mechanics I | 201004 |
| | | Architectural Planning and Design of Buildings | 201005 |
| | | Structural Analysis I | 201008 |
| | | Engineering Geology | 207009 |
| | | Concrete Technology | 201007 |
| | | Soft Skill | 201010 |
| CIVIL ENGINEERING | THIRD (2015 PATTERN) | Hydrology and water resource engineering. | 301001 |
| | | Infrastructure Engineering and Construction Techniques | 301002 |
| | | Structural Design-I | 301003 |
| | | Structural Analysis-II | 301004 |
| | | Fluid Mechanics-II | 301005 |
| | | Employability Skills development | 301006 |
| | | Advanced Surveying | 301007 |
| | | Project Management and Engineering Economics | 301008 |
| | | Foundation Engineering | 301009 |
| | | Structural Design-II | 301010 |
| | | Environmental Engineering-I | 301011 |
| | | Seminar | 301012 |
| CIVIL ENGINEERING | FOURTH (2012 PATTERN) | Environmental Engineering II | 401001 |
| | | Transportation Engineering | 401002 |
| | | Structural Design and Drawing III | 401001 |
| | | Elective – I | 401002 |
| | | Elective –II | 401001 |
| | | Project –I | 401002 |
| | | Dams and Hydraulic Structures | 401007 |
| | | Quantity Surveying, Contracts and Tenders | 401008 |
| | | Elective-III | 401009 |
| | | Elective-III | 401010 |
| | | Project – II | 401011 |




 PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwamagar, Tal. Baramati, Dist. Pune (Pin - 412 306)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwar nagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id no PU/PN Engg /445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:srpm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2017-18

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|---------------------------------|-----------------------|--|-------------|
| ELECTRONICS & TELECOMMUNICATION | THIRD (2015 PATTERN) | Digital Communication | 304181 |
| | | Digital Signal Processing | 304182 |
| | | Electromagnetics | 304183 |
| | | Microcontrollers | 304184 |
| | | Mechatronics | 304185 |
| | | Signal Processing and Communications Lab (DC/DSP) | 304191 |
| | | Microcontrollers and Mechatronics Lab | 304192 |
| | | Electronics System Design | 304193 |
| | | Power Electronics | 304186 |
| | | 7 Information Theory, Coding and Communication Network | 304187 |
| | | Business Management | 304188 |
| | | Advanced Processors | 304189 |
| | | System Programming and Operating Systems | 304190 |
| | | Power and ICT Lab | 304194 |
| | | Advanced Processors and System Programming Lab | 304195 |
| | | Employability Skills and Mini Project | 304196 |
| ELECTRONICS & TELECOMMUNICATION | FOURTH (2012 PATTERN) | VLSI Design & Technology | 404181 |
| | | Computer Networks | 404182 |
| | | Microwave Engineering | 404183 |
| | | Elective I | 404184 |
| | | Elective II | 404185 |
| | | Lab Practice I (CN & MWE) | 404186 |
| | | Lab Practice II (VLSI & Elective I) | 404187 |
| | | Project Phase I | 404188 |
| | | Mobile Communication | 404189 |
| | | Broadband Communication Systems | 404190 |
| | | Elective III | 404191 |
| | | Elective IV | 404192 |
| | | Lab Practice III(MC & BCS) | 404193 |
| | | Lab Practice IV(Elective III) | 404194 |
| Project Phase I | 404195 | | |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwar nagar, Tal. Baramati, Dist. Pune (Pin : 412 386)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwaragar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2018-19

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|------------------------|-----------------------|--|-------------|
| MECHANICAL ENGINEERING | SECOND (2015 PATTERN) | Engineering Mathematics – III | 207002 |
| | | Manufacturing Process-I | 202041 |
| | | Computer Aided Machine Drawing | 202042 |
| | | Thermodynamics | 202043 |
| | | Material Science | 202044 |
| | | Strength of Materials | 202051 |
| | | Audit course | 202055 |
| | | Fluid Mechanics | 202045 |
| | | Soft Skills | 202047 |
| | | Theory of Machines – I | 202048 |
| | | Engineering Metallurgy | 202049 |
| | | Applied Thermodynamics | 202050 |
| | | Electrical and Electronics Engineering | 203152 |
| | | Machine Shop – I | 202053 |
| MECHANICAL ENGINEERING | THIRD (2015 PATTERN) | Design of Machine Elements-I | 302041 |
| | | Heat Transfer | 302042 |
| | | Theory of Machines-II | 302043 |
| | | Turbo Machines | 302044 |
| | | Metrology and Quality Control | 302045 |
| | | Skill Development | 302046 |
| | | Numerical Methods and Optimization | 302047 |
| | | Design of Machine Elements-II | 302048 |
| | | Refrigeration and Air Conditioning | 302049 |
| | | Mechatronics | 302050 |
| | | Manufacturing -Process-II | 302051 |
| | | Machine Shop-II | 302052 |
| | | Seminar | 302053 |
| | | Audit Course | 302054 |
| MECHANICAL ENGINEERING | FOURTH (2015 PATTERN) | Hydraulics and Pneumatics | 402041 |
| | | CAD CAM Automation | 402042 |
| | | Dynamics of Machinery | 402043 |
| | | Elective I | 402044 |
| | | Elective II | 402045 |
| | | Project (Phase-I) | 402046 |
| | | Energy Engineering | 402047 |
| | | Mechanical System Design | 402048 |
| | | Elective III | 402049 |
| | | Elective IV | 402050 |
| | | Project-II | 402051 |




 PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwaragar, Tal. Baramati, Dist. Pune (Pin : 412 306)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology.
 Someshwaragar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN Engg./445/2012)
 * Ph : (02112) 283185 * Fax : (02112) 283185
 * Web : www.secsomeshwar.ac.in * Email: sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2018-19

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|-----------------------------|-----------------------|--|-------------|
| ELECTRICAL ENGINEERING | SECOND (2015 PATTERN) | Power generation technologies | 203141 |
| | | Engineering Mathematics-III | 207006 |
| | | Material Science | 203142 |
| | | Analog and Digital Electronics | 203143 |
| | | Electrical Measurements and Instrumentation | 203144 |
| | | Soft Skills | 203151 |
| | | Audit Course I | 203154 |
| | | Power System I | 203145 |
| | | Electrical Machines I | 203146 |
| | | Network Analysis | 203147 |
| | | Numerical Methods and Computer Programming | 203148 |
| | | Fundamentals of Microcontroller and Applications | 203149 |
| ELECTRICAL ENGINEERING | THIRD (2015 PATTERN) | Audit Course II | 203155 |
| | | Industrial and Technology Management | 311121 |
| | | Advance Microcontroller and its Applications | 303141 |
| | | Electrical Machines II | 303142 |
| | | Power Electronics | 303143 |
| | | Electrical Installation, Maintenance and Testing | 303144 |
| | | Seminar and Technical Communication | 303145 |
| | | Audit Course III | 303152 |
| | | Power System II | 303146 |
| | | Control System I | 303147 |
| | | Utilization of Electrical Energy | 303148 |
| | | Design of Electrical Machines | 303149 |
| Energy Audit and Management | 303150 | | |
| Electrical Workshop | 303151 | | |
| Audit Course IV | 303153 | | |
| ELECTRICAL ENGINEERING | FOURTH (2015 PATTERN) | Power System Operation and Control | 403141 |
| | | PLC and SCADA Applications | 403142 |
| | | Elective I | 403143 |
| | | Elective II | 403144 |
| | | Control System II | 403145 |
| | | Project I | 403146 |
| | | Audit Course V | 403152 |
| | | Switchgear and Protection | 403147 |
| | | Power Electronic Controlled Drives | 403148 |
| | | Elective III | 403149 |
| | | Elective IV | 403150 |
| | | Project II | 403151 |
| Audit Course VI | 403153 | | |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwaragar, Tal. Baramati, Dist. Pune (Pin : 412 365)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN.Engg/445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2018-19

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|-----------------------------------|-----------------------|--|-------------|
| COMPUTER ENGINEERING | SECOND (2015 PATTERN) | Discrete Mathematics | 210241 |
| | | Digital Electronics and Logic Design | 210242 |
| | | Data Structures and Algorithms | 210243 |
| | | Computer Organization and Architecture | 210244 |
| | | Object Oriented Programming | 210245 |
| | | Soft Skills | 210249 |
| | | Audit Course 1 | 210250 |
| | | Engineering Mathematics III | 207003 |
| | | Computer Graphics | 210251 |
| | | Advanced Data Structures | 210252 |
| | | Microprocessor | 210253 |
| | | Principles of Programming Languages | 210254 |
| | | Audit Course 2 | 210258 |
| COMPUTER ENGINEERING | THIRD (2015 PATTERN) | Theory of Computation | 310241 |
| | | Database Management Systems (DBMS) | 310242 |
| | | Software Engineering & Project Management | 310243 |
| | | Information Systems & Engineering Economics | 310244 |
| | | Computer Networks(CN) | 310245 |
| | | Design & Analysis of Algorithms | 310250 |
| | | Systems Programming & Operating System (SP & OS) | 310251 |
| | | Embedded Systems & Internet of Things(ES & IoT) | 310252 |
| | | Software Modeling and Design | 310253 |
| | | Web Technology | 310254 |
| Seminar & Technical Communication | 310255 | | |
| COMPUTER ENGINEERING | FOURTH (2015 PATTERN) | High Performance Computing | 410241 |
| | | Artificial Intelligence and Robotics | 410242 |
| | | Data Analytics | 410243 |
| | | Elective I | 410244 |
| | | Elective II | 410245 |
| | | Project (Phase-I) | 410248 |
| | | Machine Learning | 410250 |
| | | Information and Cyber Security | 410251 |
| | | Elective III | 410252 |
| | | Elective IV | 410253 |
| Project-II | 410256 | | |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology.
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in * Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2018-19

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|-------------------------|-----------------------|---|-----------------|
| COMMON FOR ALL COURSE | FIRST (2015 PATTERN) | Engineering Mathematics I | 107001 |
| | | Engineering Physics OR Engineering Chemistry | 107002 / 107009 |
| | | Engineering Graphics I | 102006 |
| | | Basic Electrical Engineering OR Basic Electronics Engineering | 103004 / 104012 |
| | | Basic Civil and Environmental Engineering | 101005 |
| | | Fundamentals of Programming Languages I | 110003 |
| | | Workshop Practice | 111007 |
| | | Engineering Mathematics II | 107008 |
| | | Engineering Chemistry OR Engineering Physics | 107009 / 107002 |
| | | Basic Mechanical Engineering | 102013 |
| | | Engineering Mechanics | 101011 |
| | | Basic Electronics Engineering OR Basic Electrical Engineering | 104012 / 103004 |
| | | Fundamentals of Programming Languages II | 110010 |
| Engineering Graphics II | 102014 | | |
| CIVIL ENGINEERING | SECOND (2015 PATTERN) | Building Technology and Materials | 201001 |
| | | Engineering Mathematics III | 207001 |
| | | Surveying | 201006 |
| | | Strength of Materials | 201002 |
| | | Geotechnical Engineering | 201003 |
| | | Fluid Mechanics I | 201004 |
| | | Architectural Planning and Design of Buildings | 201005 |
| | | Structural Analysis I | 201008 |
| | | Engineering Geology | 207009 |
| | | Concrete Technology | 201007 |
| | | Soft Skill | 201010 |
| CIVIL ENGINEERING | THIRD (2015 PATTERN) | Hydrology and water resource engineering. | 301001 |
| | | Infrastructure Engineering and Construction Techniques | 301002 |
| | | Structural Design-I | 301003 |
| | | Structural Analysis-II | 301004 |
| | | Fluid Mechanics-II | 301005 |
| | | Employability Skills development | 301006 |
| | | Advanced Surveying | 301007 |
| | | Project Management and Engineering Economics | 301008 |
| | | Foundation Engineering | 301009 |
| | | Structural Design-II | 301010 |
| | | Environmental Engineering-I | 301011 |
| | | Seminar | 301012 |
| CIVIL ENGINEERING | FOURTH (2015 PATTERN) | Environmental Engineering II | 401 001 |
| | | Transportation Engineering | 401002 |
| | | Structural Design and Drawing III | 401 003 |
| | | Elective – I | 401 004 |
| | | Elective –II | 401005 |
| | | Project –I | 401 006 |
| | | Dams and Hydraulic Structures | 401 007 |
| | | Quantity Surveying, Contracts and Tenders | 401 008 |
| | | Elective-III | 401009 |
| | | Elective-III | 401010 |
| | | Project – II | 401 006 |




 PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
Someshwarnagar Tal – Baramati, Dist – Pune 412 306
(Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
Pune University, Id.no.PU/PN.Engg./445/2012)
* Ph. (02112) 283185 * Fax : (02112) 283185
* Web .www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2018-19

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|---------------------------------|-----------------------|--------------------------------------|-------------|
| ELECTRONICS & TELECOMMUNICATION | FOURTH (2015 PATTERN) | VLSI Design & Technology | 404181 |
| | | Computer Networks & Security | 404182 |
| | | Radiation & Microwave Technique | 404183 |
| | | Elective I | 404184 |
| | | Elective II | 404185 |
| | | Lab Practice -I (CNS+ RMT) | 404186 |
| | | Lab Practice -II (VLSI+ Elective I) | 404187 |
| | | Project Stage I | 404188 |
| | | Audit Course 5 | |
| | | Mobile Communication | 404189 |
| | | Broadband Communication System | 404190 |
| | | Elective III | 404191 |
| | | Elective IV | 404192 |
| | | Lab Practice -III (MC+BCS) | 404193 |
| | | Lab Practice -IV (Elective III) | 404194 |
| | | Project Stage II | 404195 |
| | | Audit Course 6 | |




PRINCIPAL
Sharadchandra Pawar College of Engineering & Technology
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2019-20

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|------------------------|-----------------------|--|-------------|
| MECHANICAL ENGINEERING | SECOND (2015 PATTERN) | Engineering Mathematics – III | 207002 |
| | | Manufacturing Process-I | 202041 |
| | | Computer Aided Machine Drawing | 202042 |
| | | Thermodynamics | 202043 |
| | | Material Science | 202044 |
| | | Strength of Materials | 202051 |
| | | Audit course | 202055 |
| | | Fluid Mechanics | 202045 |
| | | Soft Skills | 202047 |
| | | Theory of Machines – I | 202048 |
| | | Engineering Metallurgy | 202049 |
| | | Applied Thermodynamics | 202050 |
| | | Electrical and Electronics Engineering | 203152 |
| | | Machine Shop – I | 202053 |
| MECHANICAL ENGINEERING | THIRD (2015 PATTERN) | Design of Machine Elements-I | 302041 |
| | | Heat Transfer | 302042 |
| | | Theory of Machines-II | 302043 |
| | | Turbo Machines | 302044 |
| | | Metrology and Quality Control | 302045 |
| | | Skill Development | 302046 |
| | | Numerical Methods and Optimization | 302047 |
| | | Design of Machine Elements-II | 302048 |
| | | Refrigeration and Air Conditioning | 302049 |
| | | Mechatronics | 302050 |
| | | Manufacturing -Process-II | 302051 |
| | | Machine Shop-II | 302052 |
| | | Seminar | 302053 |
| | | Audit Course | 302054 |
| MECHANICAL ENGINEERING | FOURTH (2015 PATTERN) | Hydraulics and Pneumatics | 402041 |
| | | CAD CAM Automation | 402042 |
| | | Dynamics of Machinery | 402043 |
| | | Elective I | 402044 |
| | | Elective II | 402045 |
| | | Project (Phase-I) | 402046 |
| | | Energy Engineering | 402047 |
| | | Mechanical System Design | 402048 |
| | | Elective III | 402049 |
| | | Elective IV | 402050 |
| | | Project-II | 402051 |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology.
 Someshwarnagar Tal - Baramati, Dist - Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id.no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2019-20

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|------------------------|-----------------------|--|-------------|
| ELECTRICAL ENGINEERING | SECOND (2015 PATTERN) | Power generation technologies | 203141 |
| | | Engineering Mathematics-III | 207006 |
| | | Material Science | 203142 |
| | | Analog and Digital Electronics | 203143 |
| | | Electrical Measurements and Instrumentation | 203144 |
| | | Soft Skills | 203151 |
| | | Audit Course I | 203154 |
| | | Power System I | 203145 |
| | | Electrical Machines I | 203146 |
| | | Network Analysis | 203147 |
| | | Numerical Methods and Computer Programming | 203148 |
| | | Fundamentals of Microcontroller and Applications | 203149 |
| | | Audit Course II | 203155 |
| ELECTRICAL ENGINEERING | THIRD (2015 PATTERN) | Industrial and Technology Management | 311121 |
| | | Advance Microcontroller and its Applications | 303141 |
| | | Electrical Machines II | 303142 |
| | | Power Electronics | 303143 |
| | | Electrical Installation, Maintenance and Testing | 303144 |
| | | Seminar and Technical Communication | 303145 |
| | | Audit Course III | 303152 |
| | | Power System II | 303146 |
| | | Control System I | 303147 |
| | | Utilization of Electrical Energy | 303148 |
| | | Design of Electrical Machines | 303149 |
| | | Energy Audit and Management | 303150 |
| | | Electrical Workshop | 303151 |
| Audit Course IV | 303153 | | |
| ELECTRICAL ENGINEERING | FOURTH (2015 PATTERN) | Power System Operation and Control | 403141 |
| | | PLC and SCADA Applications | 403142 |
| | | Elective I | 403143 |
| | | Elective II | 403144 |
| | | Control System II | 403145 |
| | | Project I | 403146 |
| | | Audit Course V | 403152 |
| | | Switchgear and Protection | 403147 |
| | | Power Electronic Controlled Drives | 403148 |
| | | Elective III | 403149 |
| | | Elective IV | 403150 |
| | | Project II | 403151 |
| | | Audit Course VI | 403153 |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2019-20

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|-----------------------------------|-----------------------|--|-------------|
| COMPUTER ENGINEERING | SECOND (2015 PATTERN) | Discrete Mathematics | 210241 |
| | | Digital Electronics and Logic Design | 210242 |
| | | Data Structures and Algorithms | 210243 |
| | | Computer Organization and Architecture | 210244 |
| | | Object Oriented Programming | 210245 |
| | | Soft Skills | 210249 |
| | | Audit Course 1 | 210250 |
| | | Engineering Mathematics III | 207003 |
| | | Computer Graphics | 210251 |
| | | Advanced Data Structures | 210252 |
| | | Microprocessor | 210253 |
| | | Principles of Programming Languages | 210254 |
| Audit Course 2 | 210258 | | |
| COMPUTER ENGINEERING | THIRD (2015 PATTERN) | Theory of Computation | 310241 |
| | | Database Management Systems (DBMS) | 310242 |
| | | Software Engineering & Project Management | 310243 |
| | | Information Systems & Engineering Economics | 310244 |
| | | Computer Networks(CN) | 310245 |
| | | Design & Analysis of Algorithms | 310250 |
| | | Systems Programming & Operating System (SP & OS) | 310251 |
| | | Embedded Systems & Internet of Things(ES & IoT) | 310252 |
| | | Software Modeling and Design | 310253 |
| | | Web Technology | 310254 |
| Seminar & Technical Communication | 310255 | | |
| COMPUTER ENGINEERING | FOURTH (2015 PATTERN) | High Performance Computing | 410241 |
| | | Artificial Intelligence and Robotics | 410242 |
| | | Data Analytics | 410243 |
| | | Elective I | 410244 |
| | | Elective II | 410245 |
| | | Project (Phase-I) | 410248 |
| | | Machine Learning | 410250 |
| | | Information and Cyber Security | 410251 |
| | | Elective III | 410252 |
| | | Elective IV | 410253 |
| Project-II | 410256 | | |



(Signature)
 PRINCIPAL

Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 386)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology.
 Someshwaragar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id.no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2019-20

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|-----------------------|-----------------------|---|-----------------|
| COMMON FOR ALL COURSE | FIRST (2019 PATTERN) | Engineering Mathematics I | 107001 |
| | | Engineering Physics OR Engineering Chemistry | 107002 / 107009 |
| | | Systems in Mechanical Engineering | 102003 |
| | | Basic Electrical Engineering OR Basic Electronics Engineering | 103004 / 104010 |
| | | Programming and Problem Solving / Engineering Mechanics | 110005/ 101011 |
| | | Workshop | 111006 |
| | | Audit Course 1 | 101007 |
| | | Engineering Mathematics II | 107001 |
| | | Engineering Physics OR Engineering Chemistry | 107002 / 107009 |
| | | Engineering Graphics I | 102012 |
| | | Basic Electrical Engineering OR Basic Electronics Engineering | 103004 / 104010 |
| | | Programming and Problem Solving / Engineering Mechanics | 110005/ 101011 |
| | | Project Based Learning§ | 110013 |
| Audit Course 2 | 101014 / 107015 | | |
| CIVIL ENGINEERING | SECOND (2015 PATTERN) | Building Technology and Materials | 201001 |
| | | Engineering Mathematics III | 207001 |
| | | Surveying | 201006 |
| | | Strength of Materials | 201002 |
| | | Geotechnical Engineering | 201003 |
| | | Fluid Mechanics I | 201004 |
| | | Architectural Planning and Design of Buildings | 201005 |
| | | Structural Analysis I | 201008 |
| | | Engineering Geology | 207009 |
| | | Concrete Technology | 201007 |
| | | Soft Skill | 201010 |
| CIVIL ENGINEERING | THIRD (2015 PATTERN) | Hydrology and water resource engineering. | 301001 |
| | | Infrastructure Engineering and Construction Techniques | 301002 |
| | | Structural Design-I | 301003 |
| | | Structural Analysis-II | 301004 |
| | | Fluid Mechanics-II | 301005 |
| | | Employability Skills development | 301006 |
| | | Advanced Surveying | 301007 |
| | | Project Management and Engineering Economics | 301008 |
| | | Foundation Engineering | 301009 |
| | | Structural Design-II | 301010 |
| | | Environmental Engineering-I | 301011 |
| | | Seminar | 301012 |
| CIVIL ENGINEERING | FOURTH (2015 PATTERN) | Environmental Engineering II | 401 001 |
| | | Transportation Engineering | 401002 |
| | | Structural Design and Drawing III | 401 003 |
| | | Elective I | 401 004 |
| | | Elective II | 401005 |
| | | Project (Phase-I) | 401 006 |
| | | Dams and Hydraulic Structures | 401 007 |
| | | Quantity Surveying, Contracts and tenders | 401 008 |
| | | Elective III | 401009 |
| | | Elective IV | 401010 |
| | | Project-II | 401 006 |




 PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwaragar, Tal. Baramati, Dist. Pune (Pin - 412 306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwamagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id.no.PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2020-21

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|------------------------|-----------------------|--|-------------|
| MECHANICAL ENGINEERING | SECOND (2019 PATTERN) | Solid Mechanics | 202041 |
| | | Solid Modeling and Drafting | 202042 |
| | | Engineering Thermodynamics | 202043 |
| | | Engineering Materials and Metallurgy | 202044 |
| | | Electrical and Electronics Engineering | 203156 |
| | | Geometric Dimensioning and Tolerancing Lab | 202045 |
| | | Audit Course - III | 202046 |
| | | Engineering Mathematics - III | 207002 |
| | | Kinematics of Machinery | 202047 |
| | | Applied Thermodynamics | 202048 |
| | | Fluid Mechanics | 202049 |
| | | Manufacturing Processes | 202050 |
| | | Machine Shop | 202051 |
| | | Project Based Learning - II | 202052 |
| Audit Course - IV | 202053 | | |
| MECHANICAL ENGINEERING | THIRD (2015 PATTERN) | Design of Machine Elements-I | 302041 |
| | | Heat Transfer | 302042 |
| | | Theory of Machines-II | 302043 |
| | | Turbo Machines | 302044 |
| | | Metrology and Quality Control | 302045 |
| | | Skill Development | 302046 |
| | | Numerical Methods and Optimization | 302047 |
| | | Design of Machine Elements-II | 302048 |
| | | Refrigeration and Air Conditioning | 302049 |
| | | Mechatronics | 302050 |
| | | Manufacturing -Process-II | 302051 |
| | | Machine Shop-II | 302052 |
| | | Seminar | 302053 |
| | | Audit Course | 302054 |
| MECHANICAL ENGINEERING | FOURTH (2015 PATTERN) | Hydraulics and Pneumatics | 402041 |
| | | CAD CAM Automation | 402042 |
| | | Dynamics of Machinery | 402043 |
| | | Elective I | 402044 |
| | | Elective II | 402045 |
| | | Project (Phase-I) | 402046 |
| | | Energy Engineering | 402047 |
| | | Mechanical System Design | 402048 |
| | | Elective III | 402049 |
| | | Elective IV | 402050 |
| | | Project-II | 402051 |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwamagar, Tal. Baramati, Dist. Pune (Pin: 412 306)



Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology.
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id.no.PU/PN Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2020-21

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|------------------------|-----------------------|---|-------------|
| ELECTRICAL ENGINEERING | SECOND (2019 PATTERN) | Engineering Mathematics-III | 207006 |
| | | Power Generation Technologies | 203141 |
| | | Material Science | 203142 |
| | | Analog and Digital Electronics | 203143 |
| | | Electrical Measurement & Instrumentation | 203144 |
| | | Applications of Mathematics in Electrical Engineering | 203150 |
| | | Soft Skill | 203151 |
| | | Audit Course-III | 203152 |
| | | Power System-I | 203145 |
| | | Electrical Machines-I | 203146 |
| | | Network Analysis | 203147 |
| | | Numerical Methods & Computer Programming | 203148 |
| | | Fundamental of Microcontroller and Applications | 203149 |
| | | Project Based Learning | 203152 |
| Audit Course-IV | 203153 | | |
| ELECTRICAL ENGINEERING | THIRD (2015 PATTERN) | Industrial and Tecnology Management | 311121 |
| | | Advance Microcontroller and its Applications | 303141 |
| | | Electrical Machines II | 303142 |
| | | Power Electronics | 303143 |
| | | Electrical Installation, Maintenance and Testing | 303144 |
| | | Seminar and Technical Communication | 303145 |
| | | Audit Course III | 303152 |
| | | Power System II | 303146 |
| | | Control System I | 303147 |
| | | Utilization of Electrical Energy | 303148 |
| | | Design of Electrical Machines | 303149 |
| | | Energy Audit and Management | 303150 |
| | | Electrical Workshop | 303151 |
| | | Audit Course IV | 303153 |
| ELECTRICAL ENGINEERING | FOURTH (2015 PATTERN) | Power System Operation and Control | 403141 |
| | | PLC and SCADA Applications | 403142 |
| | | Elective I | 403143 |
| | | Elective II | 403144 |
| | | Control System II | 403145 |
| | | Project I | 403146 |
| | | Audit Course V | 403152 |
| | | Switchgear and Protection | 403147 |
| | | Power Electronic Controlled Drives | 403148 |
| | | Elective III | 403149 |
| | | Elective IV | 403150 |
| | | Project II | 403151 |
| | | Audit Course VI | 403153 |




PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 366)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule
 Pune University, Id.no PU/PN.Engg./445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web : www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2020-21

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|----------------------|-----------------------|--|-------------|
| COMPUTER ENGINEERING | SECOND (2019 PATTERN) | Discrete Mathematics | 210241 |
| | | Fundamentals of Data Structures | 210242 |
| | | Object Oriented Programming (OOP) | 210243 |
| | | Computer Graphics | 210244 |
| | | Digital Electronics and Logic Design | 210245 |
| | | Business Communication Skills | 210249 |
| | | Humanity and Social Science | 210250 |
| | | Audit Course 3 | 210251 |
| | | Engineering Mathematics III | 207003 |
| | | Data Structures and Algorithms | 210252 |
| | | Software Engineerin | 210253 |
| | | Microprocessor | 210254 |
| | | Principles of Programming Languages | 210255 |
| COMPUTER ENGINEERING | THIRD (2015 PATTERN) | Theory of Computation | 310241 |
| | | Database Management Systems (DBMS) | 310242 |
| | | Software Engineering & Project Management | 310243 |
| | | Information Systems & Engineering Economics | 310244 |
| | | Computer Networks(CN) | 310245 |
| | | Design & Analysis of Algorithms | 310250 |
| | | Systems Programming & Operating System (SP & OS) | 310251 |
| | | Embedded Systems & Internet of Things(ES & IoT) | 310252 |
| | | Software Modeling and Design | 310253 |
| | | Web Technology | 310254 |
| | | Seminar & Technical Communication | 310255 |
| COMPUTER ENGINEERING | FOURTH (2015 PATTERN) | High Performance Computing | 410241 |
| | | Artificial Intelligence and Robotics | 410242 |
| | | Data Analytics | 410243 |
| | | Elective I | 410244 |
| | | Elective II | 410245 |
| | | Project (Phase-I) | 410248 |
| | | Machine Learning | 410250 |
| | | Information and Cyber Security | 410251 |
| | | Elective III | 410252 |
| | | Elective IV | 410253 |
| Project-II | 410256 | | |




 PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)




Shri Someshwar Shikshan Prasarak Mandal's
Sharadchandra Pawar College of Engineering & Technology,
 Someshwarnagar Tal – Baramati, Dist – Pune 412 306
 (Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated to Savitribai Phule Pune
 University, Id no PU/PN Engg /445/2012)
 * Ph. (02112) 283185 * Fax : (02112) 283185
 * Web :www.secsomeshwar.ac.in *Email:sspm1972@gmail.com

LIST OF COURSES FOR ACADEMIC YEAR: 2020-21

| PROGRAM NAME | YEAR | SUBJECT | COURSE CODE |
|--|-----------------------|---|----------------------|
| COMMON FOR ALL COURSE | FIRST (2019 PATTERN) | Engineering Mathematics I | 107001 |
| | | Engineering Physics OR Engineering Chemistry | 107002 / 107009 |
| | | Systems in Mechanical Engineering | 102003 |
| | | Basic Electrical Engineering OR Basic Electronics Engineering | 103004 / 104010 |
| | | Programming and Problem Solving / Engineering Mechanics | 110005/ 101011 |
| | | Workshop | 111006 |
| | | Audit Course 1 | 101007 |
| | | Engineering Mathematics II | 107001 |
| | | Engineering Physics OR Engineering Chemistry | 107002 / 107009 |
| | | Engineering Graphics I | 102012 |
| | | Basic Electrical Engineering OR Basic Electronics Engineering | 103004 / 104010 |
| | | Programming and Problem Solving / Engineering Mechanics | 110005/ 101011 |
| | | Project Based Learning | 110013 |
| Audit Course 2 | 101014 / 107015 | | |
| CIVIL ENGINEERING | SECOND (2019 PATTERN) | Building Technology and Architectural Planning | 201001 |
| | | Mechanics of structure | 201002 |
| | | Fluid Mechanics | 201003 |
| | | Engineering Mathematics III | 207001 |
| | | Engineering Geology | 207009 |
| | | Audit Course 1 | 201007 |
| | | Geotechnical Engineering | 201008 |
| | | Survey | 201009 |
| | | Concrete Technology | 201010 |
| | | Structural Analysis | 201011 |
| | | Project management | 201012 |
| | | Project Based Learning | 201017 |
| | | CIVIL ENGINEERING | THIRD (2015 PATTERN) |
| Infrastructure Engineering and Construction Techniques | 301002 | | |
| Structural Design-I | 301003 | | |
| Structural Analysis-II | 301004 | | |
| Fluid Mechanics-II | 301005 | | |
| Employability Skills development | 301006 | | |
| Advanced Surveying | 301007 | | |
| Project Management and Engineering Economics | 301008 | | |
| Foundation Engineering | 301009 | | |
| Structural Design-II | 301010 | | |
| Environmental Engineering-I | 301011 | | |
| Seminar | 301012 | | |
| CIVIL ENGINEERING | FOURTH (2015 PATTERN) | | |
| | | Transportation Engineering | 401002 |
| | | Structural Design and Drawing III | 401 003 |
| | | Elective I | 401 004 |
| | | Elective II | 401005 |
| | | Project (Phase-I) | 401 006 |
| | | Dams and Hydraulic Structures | 401 007 |
| | | Quantity Surveying, Contracts and tenders | 401 008 |
| | | Elective III | 401009 |
| | | Elective IV | 401010 |
| | | Project-II | 401 006 |




 PRINCIPAL
 Sharadchandra Pawar College of Engineering & Technology
 Someshwarnagar, Tal. Baramati, Dist. Pune (Pin - 412 306)