

## ACADEMIC YEAR 2017 -2022

**Course Name: Geography I**

**Course Instructor: Asst Prof Kavita Pawar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

CO1. To describe the interior structure of earth and discuss various theories behind the drafting of the continents.

CO2. To create awareness about atmospheric layers and different aquatic conditions, their effects on the human life.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Economics Paper I**

**Course Instructor: Asst Prof Dattatray Ghodke**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.**To familiarize the learners with the basic concept of microeconomics and develop deeper understanding the economy.

**CO2.**To make learners aware of market competition, provide knowledge about real market production and consumer behavior.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Psychology I**

**Course Instructor: Asst Prof Swati Hailkar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To impart knowledge of the basic concepts and modern trends in Psychology.

**CO2.** To make the learners aware of the applications of Psychological concepts in various fields so that they understand the relevance of Psychology in different areas of life.

## **ACADEMIC YEAR 2017 -2022**

**Course Name:      Communication & Skills of English**

**Course Instructor: Asst. Prof. Jayshree Dahat**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical , political thinking and literature of Marathi and English..
- **PO 2:** Learners will be enable to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To make the learner familiarized with excellent pieces of prose and poetry in English and will be realized the beauty and communicative power of English

**CO2.** TO introduce the learner native cultural experiences and situations and develop humane values and social awareness

**CO3.** To acquire overall linguistic competence and communicative skills.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Marathi**

**Course Instructor: Asst. Prof. Seema Shinde**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.**To introduce the learner all about Marathi literature, language and culture.

**CO2.**To understand the learner various branches and movements of Marathi literature

**CO3.**To develop the learner in linguistic skills to meet the requirements in the age of globalization..

## ACADEMIC YEAR 2017 -2022

**Course Name:** Foundation Course  
**Course Instructor:** Asst. Prof Seema Shinde

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

CO1.To understand the learner the concept of the religious linguistic and cultural diversity of the Indian society and its characteristics

CO2.To understand the learner about the constitution of India

CO3.To understand the learner about the nature of environmental problems and their duty towards protection of environment.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Accountancy & Fin. Management**

**Course Instructor: Asst Prof Yogita A Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

CO1. To lay a foundation for the preparations of financial statements from incomplete record.

CO2 To lay a foundation for understanding the Accounting procedure for Material cost and price methods.

CO3. To able to solve problems relating to partnership and Business combinations.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Commerce**

**Course Instructor: Asst Prof Sharad Jagtap**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.**To Learn about problems and promotion of women entrepreneurship

**CO2.**To be aware of importance of Service Sector in current times



## **ACADEMIC YEAR 2017 -2022**

**Course Name: Business Economics**

**Course Instructor: Asst Prof Atul Ghadage**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** understand the working of a business unit in the economy.

**CO2.** To learners are able to calculate, based on data, the impact of pricing decisions of individual firms on revenue and profit.

**CO3.** To understand the different pricing strategies adopted by firm in the market. This helps them to take appropriate consumption decisions. As prospective entrepreneurs, they now have an in depth idea as to how prices are fixed and profits are earned

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Environmental Studies**

**Course Instructor: Asst. Prof. Kavita Pawar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** Understands the seriousness behind conservation of resources and concepts related to sustainable development vis-à-vis improvement of quality of life.

**CO2.** Learners develop responsible environmental behavior and informed decision making and bring in changes in the attitude towards environment.

**CO3.** Students will understand that how industries and agriculture too is affecting the natural environment.

## ACADEMIC YEAR 2017 -2022

**Course Name:** Business Communication  
**Course Instructor:** Asst. Prof. Jayshree Dahat

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To study on concept, channels, methods and modes of communication.

**CO2.** To study on which obstacles are facing while doing communication and how is improving listening skills.

**CO3.** To study on business ethics.

**CO4.** The learner should be able to enhance his Listening, Speaking, Reading and Writing skills to meet the challenges of the world

**CO5.** To study on paragraph writing and writing skills.

## ACADEMIC YEAR 2017 -2022

**Course Name: Mathematics & Stats.**

**Course Instructor: Asst. Prof Urmila Ravariya**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.**To improve in quantitative aptitude required for various competitive examinations

**CO2.** Students will be able to apply mean, mode, median, standard deviation etc. in different areas of commerce accounts and economics

**CO3.**To take optimal decision using Decision theory or linear programming.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Foundation Course**

**Course Instructor: Asst. Prof. Sangita Waskar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To understand the religious, linguistic and cultural diversity of the Indian society and its characteristics.

**CO2.** To understand the learner about the constitution of India.

**CO3.** To understand the learner about nature of environmental problems and their duty towards protection of the environment.

## ACADEMIC YEAR 2017 -2022

**Course Name:** Imperative Programming  
**Course Instructor:** Asst Prof Chinmayi Vaidya

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

CO1. To develop the learner concepts of modular programs using control structures, pointers, arrays, strings and structures.

CO2. To understand how to design and develop solutions to real world problems

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Digital Electronics**  
**Course Instructor: Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To get familiar with concepts of digital electronics.

**CO2.**To understand the basic logic gates, Boolean algebra and K-maps.

## **ACADEMIC YEAR 2017 -2022**

**Course Name:      Operating Systems**

**Course Instructor: Asst Prof Chinmayi Vaidya & Asst Prof Monica Parad**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To understand the functions, structures and history of operating systems.

**CO2.** To learn various process management concepts including scheduling, synchronization, deadlocks.

**CO3.** To understand the concepts of memory management including virtual memory.



## ACADEMIC YEAR 2017 -2022

**Course Name: Discrete Mathematics**

**Course Instructor: Asst. Prof. Urmila Ravariya**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To be able to recall basic facts about mathematics and recognize basic geometrical figures and graphical displays, state important facts resulting from their studies.

**CO2.** To get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Communication Skills**

**Course Instructor: Asst. Prof. Monica Parad**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To study on concept, channels, methods and modes of communication.

**CO2.**To study on which obstacles facing while doing communication and how is improving listening skills.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Object oriented Programming**

**Course Instructor: Asst. Prof Monica Parad**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

CO1.To improve the knowledge of OOPS and implement in real life.

CO2.To implement the concept of OOPs with different aspects.

## **ACADEMIC YEAR 2017 -2022**

**Course Name:      Microprocessor Architecture**

**Course Instructor: Asst. Prof. Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To write and design small programs for 8051 microcontroller.

**CO2.**To understand the impact and limitations of various digital modulation techniques.

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## **ACADEMIC YEAR 2017 -2022**

**Course Name: Web Programming**

**Course Instructor: Asst Prof Chinmayi Vaidya & Asst Prof Monica Parad**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

CO1. To identify the appropriate programming environment for developing dynamic client Side and server -side web applications.

CO2. To understand the use of PHP with HTML and develop Database connectivity using RDBMS.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Numerical and Statistical Methods**

**Course Instructor: Asst Prof Urmila Ravariya**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To familiarize the learners with the basic concept of business commerce.

**CO2.**To make learners aware of the current trends in business professions.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Green Computing**

**Course Instructor: Asst Prof Chinmayi Vaidya**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To understand the impact of different environmental issues and their impact on society.

**CO2.**To understand the initiative in the concern of Global issues and their remedies.

## **ACADEMIC YEAR 2017-2022**

**Course Name: Business Communication**

**Course Instructor: Asst.Prof Jayshree Dahat**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To develop the learner to realize the beauty and communication power of English.

**CO2.** To develop the learner's interest in reading literary pieces



## **ACADEMIC YEAR 2017-2022**

**Course Name:** Foundation Course  
**Course Instructor:** Asst Prof Seema Shinde

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To develop empathy and better sensitize towards various social issues.

**CO2.** To get clarity on different types of disaster and precautions actions to be taken when disaster hits

**CO3.** To get hands on experience to many issues which they are learning in class rooms.

## **ACADEMIC YEAR 2017-2022**

**Course Name:** |Economics Paper II

**Course Instructor:** Asst Prof Dattatray Ghodke

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To understand the concepts of market and production analysis also know about different aspects of competitive markets.

**CO2.** To understand the learner the problems & prospects of Indian Economy

## **ACADEMIC YEAR 2017-2022**

**Course Name: Economics Paper III**

**Course Instructor: Asst Prof Dattatry Ghodke**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To make the learners aware about different concepts of Macroeconomics and understand the working of economy.

**CO2.** To introduce the learners about the Maharashtra economy nature and also inform the health and connectivity in Maharashtra.

## **ACADEMIC YEAR 2017-2022**

**Course Name: Geography II**  
**Course Instructor: Asst Prof. Kavita Pawar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To understand the learners with the variations of weather systems in terms of Stability and instability of atmosphere.

**CO2.** To give the learners complete information about Atmospheric Disturbances in terms of cyclones and anti-cyclones.

**CO3.** To recognize the learners understand the role of oceans to deal with the vulnerability of the dynamic earth system.

## **ACADEMIC YEAR 2017-2022**

**Course Name: Geography III**

**Course Instructor: Asst Prof Pratap Mahadik**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To understand the main regions of the India in terms of both their uniqueness and similarities.

**CO2.** To orient the learners with the significance of soil & forest conservations and realize the environment problems.

**CO3.** To educate the learners about nature, scope and significance of agricultural geography as an academic and professional discipline.

## **ACADEMIC YEAR 2017-2022**

**Course Name: Pshycology II**  
**Course Instructor: Asst Prof. Swati Hailkar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To help learners in building knowledge of the basic concepts and modern trends in Social Psychology.

**CO2.** To make the students aware of the applications of the various concepts in Social Psychology in the Indian context.

## **ACADEMIC YEAR 2017-2022**

**Course Name: Pshycology III**

**Course Instructor: Asst Prof. Swati Hailkar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.**To help learners in building knowledge and understanding of the basic concepts, principles, perspectives and modern trends in Developmental Psychology.

**CO2 .**To foster interest in Developmental Psychology as a field of study and research among students.

## **ACADEMIC YEAR 2017-2022**

**Course Name: Accountancy & Fin. Management-III**

**Course Instructor: Asst.Prof Samidha Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To equip the learners with in-depth knowledge of accounting in respect of partnership accounting to enable them to face practical situations in respect of Partnership accounting.

**CO2.** To get the insight of Final Accounts of a partnership firm in which admission/retirement/death took place during the financial year.

**CO3.** To get an insight into Principles for ascertainment and treatment of profit prior to incorporation.



## **ACADEMIC YEAR 2017 -2022**

**Course Name: Introduction to Management Accounting**

**Course Instructor: Asst Prof Sangita waskar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To able to understand the basic concepts of management accounting

**CO2-** To able to understand the analysis of financial statements by using various methods

**CO3-** To Learns the application of management accounting tools for pricing, budgetary control, cost allocation and performance evaluation.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Business Economics**  
**Course Instructor: Asst Prof Atul Ghadage**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To present an overview of macroeconomic issues and introduce preliminary models for the determination of output, employment, interest rates, and inflation.

**CO2.** To illustrate policy application of macroeconomic theory through monetary and fiscal policies

**CO3.** To understand the implications of budget and Fiscal management

## **ACADEMIC YEAR 2017 -2022**

**Course Name: COMMERCE-III**  
**Course Instructor: Asst Prof Sharad Jagtap**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To make the learners aware about the knowledge and evolution of management

**CO2.** To familiarize the learners with the functions of management.

**CO3.** To get an insight into principles practices and techniques of company management.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Advertising**

**Course Instructor: Asst Prof. Samidha Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To provide the learners with an insight about company secretarial practice

**CO2.** To Obtain knowledge about economic and social impact of advertising and thereby ethical aspects in advertising

**CO3.** To Be aware of various mediums of advertising and understand its benefits and disadvantages.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Business Law**

**Course Instructor: Asst Prof Sangita Waskar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To understand the framework of business laws in India with the study of Indian Contract Act , Indian Company Act 2013.

**CO2.** To orient the learners with basic concepts like contract, special contract, sale of goods and negotiable instruments along with case studies.

**CO3.** To evaluate the Rights and Obligations as a consumer. Philosophy and Significance of Competition law.

## **ACADEMIC YEAR 2017 -2022**

**Course Name:** Foundation Course  
**Course Instructor:** Asst Prof. Jayshree Dahat

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

- CO1.** To develop empathy and be better sensitized towards various social issues.
- CO2-** To get clarity on different types of disasters and the precautions and actions to be taken when disaster hits.
- CO3-** To get hands on experience to many issues which they are learning in class rooms.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Python Programming**

**Course Instructor: Asst.Prof Smritigandha Bidkar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To equip the learners with in-depth knowledge of Python and it's programming concepts

**CO2:** To understand the different advance topics in Python and their use .

## **ACADEMIC YEAR 2017 -2022**

**Course Name: – Data Structures**

**Course Instructor: Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To use well-organized data structures in solving various problems.

**CO2-** To Implement algorithms to solve problems using appropriate data structures



## **ACADEMIC YEAR 2017 -2022**

**Course Name: Computer Networks**

**Course Instructor: Asst Prof Chinmayi Vaidya**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To understand the OSI and TCP/IP Reference Models and in particular have a good knowledge of Layers..

**CO2.** To analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Database Management Systems**

**Course Instructor: Asst Prof Monica Parad**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To solve real world problems using appropriate set, function, and relational models

**CO2.** To be able to write and execute simple, nested queries.

## ACADEMIC YEAR 2017 -2022

**Course Name: Applied Mathematics**

**Course Instructor: Asst Prof. Urmila Ravariya**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.

**CO2.** To apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Core Java**

**Course Instructor: Asst Prof Smritigandha Bidkar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To gain knowledge about basic Java language syntax and semantics to write Java programs and use concepts such as variables, conditional and iterative execution methods.

**CO2.** To able to use the Java SDK environment to create, debug and run simple Java programs.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Introduction to Embedded Systems**

**Course Instructor: Asst Prof. Monica Parad**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To know the fundamentals of embedded systems.

**CO2.** To get familiar with the programming environment to develop embedded systems and their interfaces with peripheral devices

## **ACADEMIC YEAR 2017 -2022**

**Course Name:** Computer Oriented Statistical Techniques

**Course Instructor:** Asst.Prof Urmila Ravariya

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.

**CO2.** To write cohesive and comprehensive solutions to exercises and be able to defend their arguments

## **ACADEMIC YEAR 2017 -2022**

**Course Name:** – Software Engineering

**Course Instructor:** Asst Prof Chinmayi Vaidya

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To understand the basic concepts of software engineering ,requirements and development cycle.

**CO2-** To understand the process and validation in concern with software and systems.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Computer Graphics and Animation**  
**Course Instructor: Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To learn the basic concepts used in computer graphics.

**CO2.** To define the fundamentals of animation, virtual reality and its related technologies.



## **ACADEMIC YEAR 2017 -2022**

**Course Name : Economics IV**

**Course Instructor: Asst Prof. Dattatray Ghodke**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To understand the learner the concepts related to economic growth.

**CO2.** To understand the learner the formal modeling of Macroeconomics Theory with analytical tools.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Economics V**

**Course Instructor: Asst Prof. Dattatray Ghodke**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To help the learner to develop a systematic exposition of models of international trade

**CO2.** To equip the learner with the knowledge about the fundamentals of industrial economics and also the changing policy related to Indian industry in globalized era .

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Economics VI**

**Course Instructor: Asst Prof Dattatray Ghodke**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.**To help the learners understand the impact of agricultural issues in India and remedies for it.

**CO2.**To understand the Indian cooperative structure & its principles and role of cooperation.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Geography IV**  
**Course Instructor: Asst Prof Kavita Pawar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To enable the learners with the basic concept of settlement geography.

**CO2.** To know the concept and processes of urban settlement studies, urban problem & their planning.

**CO3.** To educate the learners in the content and methods of Geography of Environment as academic and professional discipline.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Geography V**  
**Course Instructor: Asst Prof Pratap Mahadik**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To develop an aptitude to infer factors influencing population distribution and density.

**CO2.** To understand and create awareness about provincial aspects of gender equity, social well being and quality of life.

**CO3.** To know about pattern and tourism in the world and impact of globalization.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Geography VI**

**Course Instructor: Asst Prof Kavita Pawar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.**To understand the importance and use of statistical technique in geography.

**CO2.**To examine the relationship between different variables with correlations.

**CO3.**To become expert in techniques for analysis of data in research.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Pshychology IV**  
**Course Instructor: Asst Prof. Swati Hailkar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To impart knowledge and understanding of the nature, uses, technical features, and the process of construction of psychological tests.

**CO2.** To create awareness about measurement of intelligence and assessment of personality

**CO3.** To create a foundation for advanced learning of Psychological Testing, Assessment, and Statistics.

## **ACADEMIC YEAR 2017 -2022**

**Course Name: Pshychology V**  
**Course Instructor: Asst Prof. Swati Hailkar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical, political thinking and literature of Marathi and English..
- **PO 2:** Learners will be able to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To impart knowledge and understanding of the basic concepts in Abnormal Psychology and the theories about Abnormality.

**CO2.** To impart knowledge and understanding of the different Psychological Disorders – their symptoms, diagnosis, causes and treatment.

**CO3.** To create a foundation for higher education and a professional career in Clinical Psychology.



## **ACADEMIC YEAR 2017 -2022**

**Course Name: Pshychology VI**

**Course Instructor: Asst Prof. Swati Hailkar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge of the social, economical, historical, geographical , political thinking and literature of Marathi and English..
- **PO 2:** Learners will be enable to familiarize with the Modern Governments in Legal and Philosophical framework.
- **PO 3:** Learners will be equipped to develop knowledge of theories, concepts, and research methods in humanities, geography, economics and psychology of ancient, medieval and modern thinkers.
- **PO 4:** Learners will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### **COURSE OUTCOMES**

**CO1.** To impart knowledge and understanding of the basic concepts in and various facets of Industrial and Organizational Psychology.

**CO2.** To create awareness about the role and importance of Psychological factors and processes in the world of work.

**CO3.** To create a foundation for higher education and a professional career in Industrial Psychology and Organizational Behaviour.

## **ACADEMIC YEAR2017-2022**

**Course Name:** Financial Accounting and auditing

**Course Instructor:** Asst Prof. Yogita A Patil

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To give working knowledge of accounting of Companies along with ascertainment of profits and losses in investment accounts.

**CO2.** The learner will able to solve practical problems based on liquidation of company.

**CO3.** To compute and handle exchange rate difference arising out of transactions involving Foreign Currency.

## **ACADEMIC YEAR 2017-2022**

**Course Name: Cost Accounting**

**Course Instructor: Asst Prof. Yogita A Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To impart the knowledge of how cost accounting is used for ascertaining the cost of elements of products.

**CO2.** To get the insight of standard costing and marginal costing.

**CO3.** To get the insight of contract costing and process costing.

## **ACADEMIC YEAR 2017-2022**

**Course Name:** Business Economics  
**Course Instructor:** Asst Prof Atul Ghadage

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.**To help the learners understand the impact of NewEconomic Policy on the various sectors of the economy.

**CO2.**To provide in-depth understanding of the Indian financial sector.

**CO3.**To make the learners aware of some crucial issues like sustainable development, social infrastructure,Industrial pollution and foreign capital flows.

**CO4.**To familiarize learners with policies of the government, evaluating them and analyzing their effecton the economy

## **ACADEMIC YEAR 2017-2022**

**Course Name: Commerce-V**

**Course Instructor: Asst Prof Sharad Jagtap**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To enable the learners with the basic concept of Marketing

**CO2.** To develop knowledge and understanding of marketing decisions related to product, place, Price and promotion.

**CO3.** To Know about the nature of challenges faced by HR manger in changing business environment in the millennium

## **ACADEMIC YEAR 2017-2022**

**Course Name: Direct & Indirect Taxation**

**Course Instructor: Asst. Prof. Samidha Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.** To give an understanding of provision of direct tax code, practical aspect of tax planning .

**CO2.** To expose to real life situation involving taxation under the various heads of income.

**CO3.** To state the use of various deductions to reduce the taxable income.

**CO4.** Students should be able to analyze indirect taxes.

## **ACADEMIC YEAR 2017-2022**

**Course Name: Export Marketing**

**Course Instructor: Asst Prof. Sharad Jagtap**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.**To acquaint the learners with India's export marketing potential.

**CO2.**To give conceptual understanding and clarity of terminologies used in export marketing.

**CO3.**To enable the learners understand the practical significance of the Foreign Trade Policy 2015-20,

**CO4.**To make the learners aware of the export promotion organizations and incentives

## **ACADEMIC YEAR 2017-2022**

**Course Name: Computer systems & Applications**

**Course Instructor: Asst Prof. Smritigandha Bidkar**

### **On completion of the program:**

- **PO 1:** Learners will gain knowledge in the fundamental concepts of business commerce and a deep understanding of all the courses undertaken.
- **PO 2:** Learners will be equipped to join the industry or setup own business and can pursue further professional and other courses.
- **PO 3:** Learners will be equipped to face upcoming challenges in the industry and business also specialization is offered which expose them to practical aspects.
- **PO 4:** Learners will be responsible citizens as various academic and co-curricular courses inculcate sensitivity, moral and ethical values among them.

### **COURSE OUTCOMES**

**CO1.**To get an overview of Computer Systems & Applications.

**CO2.**To understand Data Communication and Network Infrastructure, Types, Topologies, Wired-Wireless Media, Devices and TCP/IP, OSI Model protocols.

**CO3.**To be taught Internet, Services, IP address, DNS, URLs, Search engines and Email account to receive and send with attachments and also to create awareness about security, threats and its protective measures.

**CO4.**To get theory and practical knowledge exposure to Database, their types, and basics of MySQL: a. MS- Excel.



## **ACADEMIC YEAR 2017-18**

**Course Name : Network Security**

**Course Instructor: Asst Prof. Chinmayi Vaidya**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

CO1. To give knowledge of different Cryptography techniques in concern with security.

CO2. To understand the concept of authentication and different application of it.

## **ACADEMIC YEAR 2017-18**

**Course Name: ASP.NET with C#**

**Course Instructor: Asst Prof. Smritigandha Bidkar & Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To impart the knowledge of asp.net and details of the concept web applications

**CO2.** To understand the database connectivity with different tools in dot net technology.

## **ACADEMIC YEAR 2017-18**

**Course Name:      Software Testing**

**Course Instructor: Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To help the learners understand the fundamentals of software testing.

**CO2.**To provide in-depth understanding of different testing techniques.

## **ACADEMIC YEAR 2017-18**

**Course Name: Advanced Java**

**Course Instructor: Asst Prof Smritigandha Bidkar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To enable the learners with the advance concept of Java and the different technologies .

**CO2.**To develop knowledge and understanding of creating a web application using current trends.

## **ACADEMIC YEAR 2017-18**

**Course Name: Linux Administration**

**Course Instructor: Asst. Prof. Bhakti Kedar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To give an understanding of different flavours of Operating systems

**CO2.**To expose to the detail knowledge of Linux administration.

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## **ACADEMIC YEAR 2017-18**

**Course Name: Internet Technologies**

**Course Instructor: Asst Prof. Bhakti Kedar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To able to understand the applications areas of IOT.

**CO2.**To understand building blocks of Internet of Things and characteristics.

## **ACADEMIC YEAR 2017-18**

**Course Name: Digital Signals and Systems**

**Course Instructor: Asst Prof. Smritigandha Bidkar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To understand mathematical description and representation of DSS.

**CO2.**To understand the limitations of Fourier transformation and need for Laplace transform.

## ACADEMIC YEAR 2017-18

**Course Name: Datawarehousing**

**Course Instructor: Asst Prof. Vaishali Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

CO1. To give working knowledge of dataware housing and different methodology.

CO2.To understand the different data models and security for monitoring.



## **ACADEMIC YEAR 2017-18**

**Course Name: IPR and Cyber Laws**

**Course Instructor: Asst Prof. Smritigandha Bidkar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To recognize the importance of IP and understand basic concepts of IPR

**CO2.** To explore the legal and policy developments in various countries to regulate cyber space.

## **ACADEMIC YEAR 2018-2021**

**Course Name: Software Project Management**  
**Course Instructor: Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To understand the fundamental principles of Software Project management and acquire knowledge of responsibilities of project manager.

**CO2.** To understand the issues and challenges faced while doing Software project Management.

## **ACADEMIC YEAR 2018-2021**

**Course Name: Internet of Things**

**Course Instructor: Asst Prof Monica Parad**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To understand the definition and significance of the Internet of Things

**CO2.**To understand IoT Market perspective and to implement data and knowledge management

## **ACADEMIC YEAR 2018-2021**

**Course Name:      Advanced Web Programming**

**Course Instructor: Asst Prof Smritigandha Bidkar & Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To understand the ASP.NET concepts and to use the new web application architecture and Web Services

**CO2.** To develop web application with ASP.Net with database connectivity

## **ACADEMIC YEAR 2018-2021**

**Course Name:** Artificial Intelligence

**Course Instructor:** Asst Prof. Chinmayi Vaidya

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To develop a basic understanding of the building blocks of AI as presented in terms of intelligent agents.

**CO2.** To implement an AI system in a team environment..

## **ACADEMIC YEAR 2018-2021**

**Course Name: Enterprise Java**

**Course Instructor: Asst Prof. Smritigandha Bidkar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To provide necessary knowledge to design and develop dynamics, databasedriven application using J2EE..

**CO2.** To implement the these techniques for business application development.

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## **ACADEMIC YEAR 2018-2021**

**Course Name:       Software Quality Assurance**

**Course Instructor: Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To develop systematic approach to the development, operation, maintenance and retirement of software.

**CO2.**To implement the methods and tools of testing and maintenance of software.

## **ACADEMIC YEAR 2018-2021**

**Course Name:** Security in Computing  
**Course Instructor:** Asst Prof. Chinmayi Vaidya

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To learn the need for, and the technology, algorithms, and standards used in providing computer and communications security

**CO2.**To be able to configure secure networks using different network security protocols



## **ACADEMIC YEAR 2018-2021**

**Course Name: Business Intelligence**  
**Course Instructor: Asst Prof Monica Parad**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.** To understand key concepts and issues related to business intelligences and decision support systems.

**CO2.** To understand concepts like data warehouses, design methods, data extracting, transforming and loading processes and OLAP systems.

## **ACADEMIC YEAR 2018-2021**

**Course Name: Principles of Geographic Information Systems**

**Course Instructor: Asst Prof Smritigandha Bidkar & Asst Prof Prajakta Patil**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To create maps, images and apps to communicate spatial data in a meaningful way to others.

**CO2.**To know how to relate GIS with remote sensing technologies.

## **ACADEMIC YEAR 2018-2021**

**Course Name: Cyber Laws**

**Course Instructor: Asst Prof. Smritigandha Bidkar**

### **On completion of the program:**

- **PO 1:** Learners will gain ability to design, develop algorithms and provide software solutions to cater the industrial needs.
- **PO 2:** Learners will inculcate skills to excel in the fields of Information Technology and its Enabled services, Government and Private sectors, Teaching and Research.
- **PO 3:** Learners will instill ethical responsibilities, human and professional values and make their contribution to the society.
- **PO 4:** Learners will be Cultivate skills for successful career, entrepreneurship and higher studies through self directed and lifelong Learning.

### **COURSE OUTCOMES**

**CO1.**To understand, explore, and acquire a critical understanding of Cyber Law.

**CO2.**To understand Information Technology Act and legal framework of right to privacy, data security and data protection.