



Shri Wagheshwar Gramvikas Pratishthan's

Shri Vasantrao Pharate Patil Arts, Commerce and Science College

Mandavgan Pharata Tal: Shirur, Dist: Pune, Pincode: 412211.

Affiliated to Savitribai Phule Pune University, Pune (ID No PU/PN/AC/392/2009)

AISHE Code: C-41832 Unipune ID: CAAP014910 Tel. No-(02137) 262222

Website-www.svppcollege.com E-Mail-acscollge09@gmail.com

2.6.1. Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

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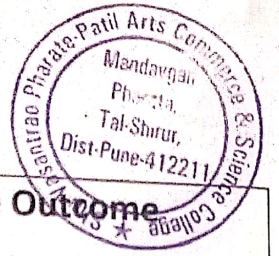


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Program Outcomes Bachelor of Arts (B.A.)

POs	Program Outcomes
1	To Strengthen democratic ideals among the students.
2	To Acquire knowledge with facts and figures related concerned with subjects such as Geography, Economics, Political Science, Marathi History English etc
3	To Identify the basic concepts, fundamental principles, and various theories in the above mentioned subjects
4	To Grasp the importance literature in creating aesthetic, mental, moral, intellectual Development of an individual and increasing a healthy society.
5	To Understand how issues in social science influence literature and how literature can provide solutions to the social issues
6	To gain the analytical ability to analyze critically the literature and social issues, appreciate the strength and suggest the improvements for better results.

Course Outcomes (COs) Bachelor of Arts (B.A.) Department of Marathi



Class	Course Code	Syllabus Revised	Title	Course Outcome
FYBA	11021	2019(CBCS)	मराठी साहित्य: कथा आणि भाषिक कौशल्य विकास	कथेच्या विविध प्रकारची माहिती मिळते. कथेच्या विविध कालखंडाचा अभ्यास होतो. कथेमधून समाजातील वास्तविकता समजून घेता येते. निबंध, निवेदन, भाषांतर इत्यादी लेखनामध्ये अधिकाधिक अचूकता येते
FYBA	12021	2019(CBCS)	मराठी साहित्य: एकांकिका आणि भाषिक कौशल्य विकास	नाटकांच्या विविध प्रकारांची ओळख होते. नाटकांच्या लेखन शैलीचे कौशल्य प्राप्त होते. भाषिक लेखन कौशल्याचे महत्व प्राप्त होते.
F.Y.B.Com	117	2019(CBCS)	भाषा, साहित्य आणि कौशल्य विकास	भाषा व्यवहाराचे स्वरूप प्राप्त होते मराठी भाषेच्या वापराचे कौशल्य प्राप्त होते. विविध क्षेत्रातील कर्तृत्ववान व्यक्तींच्या कार्यचा परिचय होतो
F.Y.B.Com	127	2019(CBCS)	भाषा, साहित्य आणि कौशल्य विकास	जाहिरात लेखन कौशल्य प्राप्त होते प्रगत भाषिक कौशल्य प्राप्त होते
SYBA	23011	2019(CBCS)	मराठी भाषिक संज्ञापन कौशल्य	भाषिक कौशल्यचे संपादन होते. विविध प्रसार माध्यमांचा परिचय होतो. वृत्तपत्र लेखनाविषयीची माहिती प्राप्त होते.
SYBA	24011	2019(CBCS)	नवमाध्यमे आणि समाजमाध्यमांसाठी मराठी	नवमाध्यमे व समाजमाध्यमांच्या विविध प्रकारांची माहिती प्राप्त होते.



SYBA	23023	2019(CBCS)	भाषिक कौशल्य विकास आधुनिक मराठी साहित्य: कादंबरी	संगणकाचे महत्त्व प्राप्त होते. कादंबरीच्या विविध प्रकारांची ओळख करून घेता येते.
SYBA	24023	2019(CBCS)	भाषिक कौशल्य विकास आधुनिक मराठी साहित्य: ललित गद्य	मराठी युनिकोडच्या वापरा विषयी माहिती प्राप्त होते. ललित गद्य साहित्य प्रकाराची ओळख होते.
SYBA	23021	2019(CBCS)	आधुनिक मराठी साहित्य: प्रकाशवाटा	आत्मचरित्र साहित्य प्रकाराची ओळख होते. आत्मचरित्राच्या वाटचालीचे स्वरूप समजून घेता येते.
SYBA	24021	2019(CBCS)	आधुनिक मराठी साहित्य: निवडक मध्ययुगीन गद्य पद्य	मध्ययुगीन गद्य पद्य साहित्याचा परिचय होतो. तत्कालीन संस्कृतीचा परिचय होतो.
SYBA	23022	2019(CBCS)	साहित्य विचार	प्रमाण भाषा व व्यवहार भाषांचे ज्ञान प्राप्त होते. शब्द शक्तीच्या प्रकारांची ओळख होते. साहित्य निर्मिती मागील प्रेरणांचे स्वरूप लक्षात येते.
SYBA	24022	2019(CBCS)	साहित्य समीक्षा	जीवनवाद व कलावादयातील फरक लक्षात घेता येतो. समीक्षेची चिकित्सक दृष्टी प्राप्त होते. साहित्य समीक्षेच्या अध्ययनातून निर्णय क्षमता या गुणांचा विकास होतो. मराठी साहित्याच्या ऐतिहासिक परंपरेचे ज्ञान प्राप्त होते.
SYBA	23025	2019(CBCS)	प्रकाशन व्यवहार आणि संपादन	विविध प्रकाशन आणि संस्थांची माहिती प्राप्त होते. जाहिरात करण्याची कला आत्मसात होते.
SYBA	24025	2019(CBCS)	उपयोजित लेखन कौशल्य	भाषिक कौशल्यचे संपादन होते.



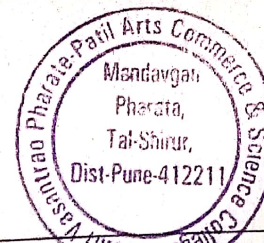
TYBA	35023	2019(CBCS)	भाषिक कौशल्य विकास आधुनिक मराठी साहित्यप्रकार : प्रवासवर्णन	प्रवासवर्णन साहित्य प्रेरणा प्राप्त होतात . मुद्रितमाध्यमासाठी कौशल्य प्राप्त होते .
TYBA	36023	2019(CBCS)	भाषिक कौशल्य विकास आधुनिक मराठी साहित्यप्रकार : कविता	कविता साहित्य प्रकारचा आस्वाद घेण्याची क्षमता निर्माण होते. कविता साहित्य प्रकाराची ओळख होते. राज्यघटनेतील विविध तरतुदी प्राप्त होतात
TYBA	35021	2019(CBCS)	मध्ययुगीन मराठी वाङ्मयचा स्थूल इतिहास : प्रारंभ ते १६००	मध्ययुगीन कालखंडातील साहित्यामागील प्रेरणा प्राप्त होतात साहित्याचा कालखंडानुसार इतिहास प्राप्त होतो .
TYBA	36021	2019(CBCS)	मध्ययुगीन मराठी वाङ्मयचा स्थूल इतिहास : १६०० ते १८१७	मध्ययुगीन कालखंडातील सामाजिक सांस्कृतिक पार्श्वभूमी प्राप्त होते मध्ययुगीन कालखंडातील विविध साहित्य प्रकार समजतात.
TYBA	35022	2019(CBCS)	वर्णनात्मक भाषाविज्ञान भाग- १	भाषेचा वैज्ञानिक अंगाने परिचय होतो. भाषेचे स्वरूप व निर्मितीच्या शास्त्रोक्त संकल्पना अवगत होतात.
TYBA	36022	2019(CBCS)	वर्णनात्मक भाषाविज्ञान भाग- २	भाषेच्या स्वरूपा विषयीची ओळख होते. भाषा अभ्यासाच्या विविध पद्धतींचा परिचय होतो. मराठी भाषेच्या उत्पत्ती विषयीचा परिचय होतो
TYBA	35025	2019(CBCS)	कार्यक्रम संयोजनातील भाषिक कौशल्य : भाग १	कार्यक्रम स्वरूप व प्रकार समजून घेता येते. विद्यार्थ्यांच्या कार्यक्रम संयोजन कौशल्य मध्ये बदल घडून येतो

मराठी विभाग प्रमुख
श्री वसंत
मु.पो.माडवगण, मराठी, ता.शिरूर, जि.पुणे



Principal
SHRI VASANTRAO PHARATE-PATIL ARTS, COMMERCE
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Course Outcomes (COs) Bachelor of Arts (B.A.)
Department of History



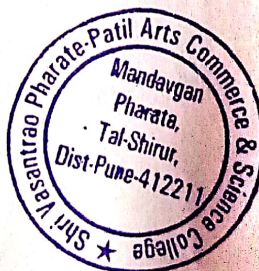
Class	Course Code	Syllabus Revised	Title	Course Outcome
FYBA	11171	2019(CBCS)	Early India: From Prehistory to the Age of the Mauryas	1. Helping the student to understand the history of early India from the prehistoric times to the age of the Mauryas 2. It attempts to highlight the factors and forces behind the rise, growth and spread of civilization and culture of India along with the dynastic history. 3. It also aims to foster the spirit of enquiry among the students by studying the major developments in early Indian history.
FYBA	12171	2019(CBCS)	Early India: Post Mauryan Age to the Rashtrakutas	1. Introducing the students to the developments in different parts of India through a brief study of regional kingdoms up to the tenth century C.E. It attempts to highlight the consequences of the foreign invasions, particularly on the polity, economy, society and art and architecture. 2 The attempt is also to instill the spirit of enquiry among the students.
SYBA	23174	2019(CBCS)	History of the Marathas: (1630-1707)	1. Student will develop the ability to analyses sources for Maratha History. 2. Student will learn significance of regional history and political foundation of the region. 3. It will enhance their perception of 17th century Maharashtra and India in context of Maratha history. 4. Appreciate the skills of leadership and the administrative system of the Marathas.
SYBA	24174	2019(CBCS)	History of the Marathas: (1707-1818)	1. Students will be able to analyze the Marathas policy of expansionism and its consequences. 2. They will understand the role played by the Marathas in the 18th century India. 3. They will be acquainted with the art of diplomacy in the Deccan region. 4. It will help to enrich the knowledge of the administrative skills and profundity of diplomacy.
SYBA	23171	2019(CBCS)	Medieval India - Sultanate Period	1. Provides examples of sources used to study various periods in history.

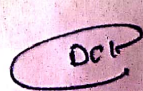
				2. Relates key historical developments during medieval period occurring in one place with another. 3. Analyses socio - political and economic changes during medieval period 4. Estimate the foreign invasion and the achievement of rulers
SYBA	24171	2019(CBCS)	Medieval India: Mughal Period	1. Draws comparisons between policies of different rulers. 2. Understanding Role of Akbar in the consolidation of Mughal rule in India. 3. Understand Aurangzeb's conflict with Rajputas, Maratha and weakening Mughals age. 4. Analyses factors which led to the emergence of new religious ideas and movements (bhakti and Sufi)
SYBA	23172	2019(CBCS)	Glimpses of the Modern World - Part I	1. It will enable students to develop the overall understanding of the Modern World. 2. The students will get acquainted with the Renaissance, major political, socio-religious and economic developments during the Modern World. 3. It will enhance their perception of the history of the Modern World. 4. It will enable students to understand the significance of the intellectual, economic, political developments in the Modern World.
SYBA	24172	2019(CBCS)	Glimpses of the Modern World - Part II	1. It will enable students to develop the overall understanding of the Modern World. 2. The students will get acquainted with the major nationalist movements, the World War II and its consequences, the Cold War and its Consequences. 3. It will enhance their overall perception of the history of the Modern World. 4. It will enable students to understand the significance of the strategic political developments in the Modern World.
SYBA	23176	2019(CBCS)	Art and Architecture of Early India (From 3000 B.C. to 12th Century A.D.)	1. Students will get an overall understanding of the emergence and development of the art and architecture in Early India. 2. They will understand the emergence of the Pottery, Terracotta figures, Ornaments, Town Planning, preparation of seals and coins. 3. They will have an understanding of the art and architecture in early India.

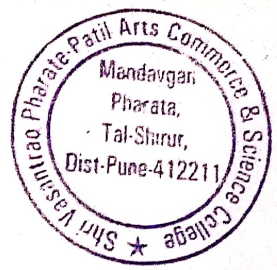
SYBA	24176	2019(CBCS)	Medieval Indian Arts and Architecture(1206 To 1857)	1. Students will get an overall understanding of the development of the Medieval Art and Architecture. 2. They will understand the changing patterns of the Art and Architecture during the Medieval India. 3. They will have an understanding of the impact of Persian Art on Islamic Art and Architecture in Medieval India.
TYBA	35174	2019(CBCS)	Indian National Movement (1885-1947)	1. It will enable students to develop an overall understanding of Modern India. 2. It will increase the spirit of healthy Nationalism, Democratic Values and Secularism among the Students. 3. Students will understand various aspects of the Indian Independence Movement and the creation of Modern India.
TYBA	36174	2019(CBCS)	India After Independence- (1947-1991)	1. It will enable students to develop an overall understanding of the Contemporary India. 2. To increase the spirit of healthy Nationalism, Democratic Values and Secularism among the students. 3. Students will understand various aspects of India's domestic and foreign policies that shaped Post-Independence India.
TYBA	35171	2019(CBCS)	Introduction to Historiography	1. Students will be introduced to the information and importance of Historiography. 2. Students will be introduced to the different Methods and Tools of data collection. 3. Students can study the interdisciplinary approach of History . 4. Students will learn about the usefulness of History in the 21st century, its changing perspectives, the new ideas that have been invented, and the importance of History in a competitive World.
TYBA	36171	2019(CBCS)	Applied History	1. Students will be introduced to the information and importance of applied history. 2. Student will learn about the Historical significance of Archaeology and Archives and opportunities in the field of Archaeology and Archives. 3. Through this course, students will be informed about the opportunities in the field of Media, Museums. 4. Students will learn about the usefulness of history in the 21st Century, its changing Perspectives, the new ideas that have been

				invented, and the importance of History in a Competitive World.
TYBA	35172	2019(CBCS)	Maharashtra in the 19 th Century	1. Student will develop the ability to analyse sources for 19th century Maharashtra History. 2. Student will learn significance of Regional History and Socio- religious reformism foundation of the region. 3. It will enhance their perception of 19th Century Maharashtra. 4. Appreciate the skills of leadership and the Socio-religious System of the Maharashtra.
TYBA	36172	2019(CBCS)	History of Maharashtra in the 20 th Century	1. Student will develop the ability to analyses sources for 20th Century Maharashtra History. 2. Student will learn significance of regional history and Socio- Religious Reformism foundation of the region. 3. It will enhance their Perception of 20th Century Maharashtra. 4. Appreciate the skills of leadership and the Socio-Religious System of the Maharashtra.
TYBA	35176	2019(CBCS)	South Indian Art and Architecture (From 4 th Century A.D. to 12th Century A.D.)	1. Students will get an overall understanding of the development of the Art and Architecture in South India. 2. They will understand the changing patterns of the Art and Architecture in South India. 3. They will understand the impact of Persian Art on Islamic Art and Architecture in South India
TYBA	36176	2019(CBCS)	Heritage Management	1. Student will understand over all process of Heritage Management 2. Student will get the knowledge about scope and the fact of Heritage Management. 3. The students will enable to understand about legal and commercial framework of Heritage


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B. A. (Dept. Of English)

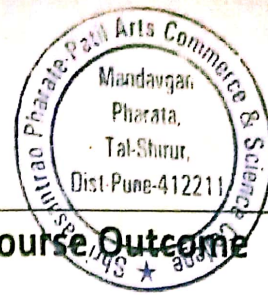
Programme Outcome

1. Developing intellectual. Personal and professional abilities through effective communicative skills; ensuring high standard of behavioral attitude through literary subjects and shaping the students socially responsible citizens.
2. To enhance employability of the students by developing their linguistic competence and communicative skills

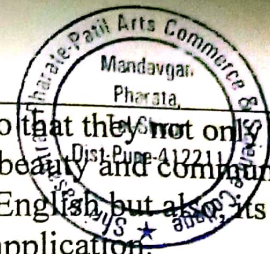
Programme Specific Outcome

1. On successful completion of the Programme, the students will be accurate both in oral and written communication as they will be strong In Grammar and its usage.
2. They can express a thorough command of English and its linguistic Structures.
3. They can apply critical frameworks to analyze the linguistic, cultural and historical background of texts written in English.
4. They will be familiar with the conventions of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, Journal, film, plays, editorials etc.

Course Outcomes (COs)



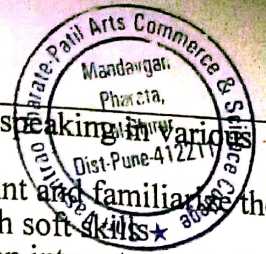
Class	Course Code	Syllabus Revised	Title	Course Outcome
FYBA	11011/ 12011	2019(CBCS)	Compulsory English	1. To expose students to the best examples of prose and poetry in English so that they realize the beauty and communicative power of English. 2. To instil human values and develop the character of students as responsible citizens of the world. 3. To develop the ability to appreciate ideas and think critically. 4. To enhance employability of the students by developing their linguistic competence and communicative skills. 5. To revise and reinforce structures already learnt in the previous stages of learning.
FYBA	11331/ 11332	2019(CBCS)	Optional English	1. To expose students to the basics of literature and language and develop an integrated view about language and literature in them. 2. To acquaint them with minor forms of literature in English and help them to appreciate the creative use of language in literature. 3. To introduce them to the basics of phonology of English so that they can pronounce better and speak English correctly. 4. To prepare students to go for detailed study and understanding of literature and language. 5. To enhance the job potential of students by improving their language skills.
F.Y.B.Com	111/12 1	2019(CBCS)	Compulsory English	1. To offer relevant and practically helpful pieces of prose and poetry to



				students so that they not only get to know the beauty and communicative power of English but also its practical application. 2. To expose students to a variety of topics that dominates the contemporary socioeconomic and cultural life. 3. To develop oral and written communication skills of the students so that their employability enhances. 4. To develop overall linguistic competence and communicative skills of students.
SYBA	23001/ 24001	2019(CBCS)	Compulsory English	1. To expose students to the best examples of literature in English and to contribute to their emotional quotient as well as independent thinking. 2. To install universal human values through best pieces of literature in English. 3. To develop effective communication skills by developing ability to use right words in the right context. 4. To enhance employability of the students by developing their basic soft skills. 5. To revise and reinforce the learning of some important areas of grammar for better linguistic competence.
SYBA	23331/ 24331	2019(CBCS)	Appreciating Drama	To introduce Drama as a major form of literature 2. To introduce minor forms of Drama 3. To acquaint and enlighten students regarding the literary and

				the performing dimensions of drama 4. To acquaint and familiarize the students with the elements and the types of Drama 5. To encourage students to make a detailed study of a few sample masterpieces of English Drama from different parts of the world 6. To develop interest among the students to appreciate and analyze drama independently 7. To enhance students' awareness regarding aesthetics of Drama and to empower them to evaluate drama independently
SYBA	23332/ 24332	2019(CBCS)	Appreciating Poetry	1. To acquaint students with the terminology in poetry criticism (i.e. the terms used in appreciation and critical analysis of poems) 2. To encourage students to make a detailed study of a few sample masterpieces of English poetry 3. To enhance students awareness in the aesthetics of poetry and to empower them to read, appreciate and critically evaluate poetry independently
SYBA	23333/ 24333	2019(CBCS)	Advanced Study of English Language	1. To familiarize students with the various components of language. 2. To develop overall linguistic competence of the students. 3. To introduce students to some advanced areas of language study. 4. To prepare students to go for detailed study and understanding of language.
SYBA	23334/ 24334	2019(CBCS)	Skill Enhancement Course- (SEC-2A & 2B)	1. Enhancing the skill of using English for everyday communication 2. To acquaint the students with the verbal and nonverbal communication 3. To create opportunities to access

				exposure of speaking in various contexts 4. To acquaint and familiarize the students with soft skills 5. To develop interest among the students to interact in English
S.Y.B.Sc. (C.S.)	23922/24922	2019(CBCS)	Ability Enhancement Compulsory Course- AECC)	1. To introduce the use of English in multimedia 2. To acquaint the students with the language skills in multivalent contexts 3. To acquaint and enlighten students regarding the speaking skill in various contexts 4. To acquaint and familiarize the students with advanced writing skills in different contexts 5. To acquaint and familiarize the students with soft skills 6. To minimize the gap between the existing communicative skills of the students and the skills they require at professional level 7. To develop competence among the students to appreciate and analyze short stories and poetry
TYBA	35001/36001	2019(CBCS)	Compulsory English	1. To familiarize students with some excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English. 2. To enable students to become competent and effective users of English in real life situations. 3. To contribute to the overall personality development of the students. 4. To instill humanitarian values and foster sympathetic attitude in the students. 5. To train the students in practical writing skills required in work environment.



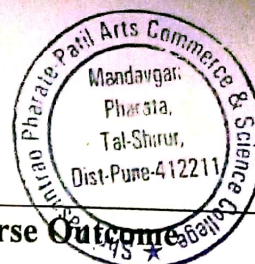
				6. To impart knowledge of some essential soft skills to enhance their employability
TYBA	35331/ 36331	2019(CBCS)	Appreciating Novel	1. To introduce students to the basics of novel as a literary form 2. To expose students to the historical development and nature of novel 3. To make students aware of different types and aspects of novel 4. To develop literary sensibility and sense of cultural diversity in students 5. To expose students to some of the best examples of novel
TYBA	35332/ 36332	2019(CBCS)	Introduction to Literary Criticism	1. To introduce students to the basics of literary criticism 2. To make them aware of the nature and historical development of criticism 3. To make them familiar with the significant critical approaches and terms 4. To encourage students to interpret literary works in the light of the critical approaches 5. To develop aptitude for critical analysis
TYBA	35333/ 36333	2019(CBCS)	Enhancing Employability Skills	1. To get the awareness of career opportunities available to them. 2. To identify the career opportunities suitable to them. 3. To understand the use of English in different careers. 4. To develop competence in using English for the career of their choice. 5. To enhance skills required for their placement. 6. To use English effectively in the career of their choice. 7. To exercise verbal as well as

				nonverbal communication effectively for their career.
TYBA	35334/ 36334	2019(CBCS)	Mastering Life Skills and Life Values	1. To equip the students with the social skills 2. To train the students interpersonal skills 3. To build self-confidence and communicate effectively 4. To Encourage the students to think critically 5. To learn stress management and positive thinking 6. To enhance leadership qualities 7. To aware the students about universal human values 8. To develop overall personality of the students



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Department of Geography Course Outcome (Cos)



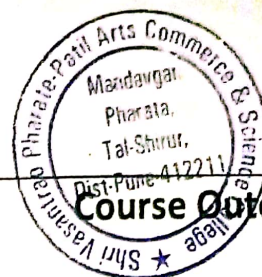
Class	Course Code	Syllabus Revised	Title	Course Outcome
FYBA	11201	2019(CBCS)	Physical Geography	COs1. Describing human environment and nature –society interaction as well as global human and environmental issues. COs2. Identifying and explaining the planets human and physical characteristics and processes from global to local scale. COs3. Evaluating the impacts of human activities on natural environment. COs4. Understanding the physical basis of natural green house effects. COs5. Understanding the ways of various human activities which are increasing emission of the natural green house gases and also contributing to Sulphate aerosol in the troposphere.
FYBA	12201	2019(CBCS)	Human Geography	COs1. Students will acquire and understand relationship between Geography and culture. COs2. Students will read, understand, interpreted and generate the maps. COs3. Acquiring the knowledge about Global human population pattern and factor influencing the distribution and mobility of population including settlement and economic activities. COs4. Able to think spatial terms to explain what happens in past using geographic principle and to understand present and plan of future.
SYBA	23204/24204	2019(CBCS)	Environmental Geography	COs1. Understanding the structure composition of atmosphere. COs2. Fulfilling the study about

				nutrient cycling. COs3. Understanding the values of resources. COs4. Showing awareness about conservation of resources. COs5. Understanding environmental problems their causes, effects and remedies
TYBA	35204/ 36204	2019(CBCS)	Geography of Disaster Management	COs1. Understand the need and significance of studying disaster management. COs2. Understand the different types of disasters and causes for disasters. COs3. Gain knowledge on the impacts Disasters on environment and society COs4. Study and assess vulnerability of a geographical area. COs5. Students will be equipped with various methods of risk reduction measures and risk mitigation.



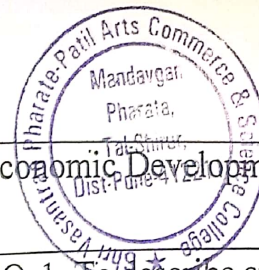
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Department Of Economics Course Outcomes (Cos)



Class	Course Code	Syllabus Revised	Title	Course Outcome
FYBA	11151	2019(CBCS)	Indian Economic Environment -I	COs1 knowledge Growth in economics COs2. Ability to develop awareness on the various new developments in the different sectors of an economy – agriculture, industry, services, etc.
FYBA	12151	2019(CBCS)	Indian Economic Environment-II	COs1. Ability to develop an understanding of the economic environment and the factors affecting economic environment COs2. Ability to develop awareness on the various new developments in the different sectors of an economy – agriculture, industry, services, etc. Cos3. At the end of the course, the student should be able discuss and debate on the various issues and challenges facing the Indian Economic Environment
SYBA	23153	2019(CBCS)	Financial System-I	COs1. To understand fundamentals of modern financial system. To understand the recent trends and developments in banking system. COs2. To understand the role of the Reserve Bank of India in Indian financial system.

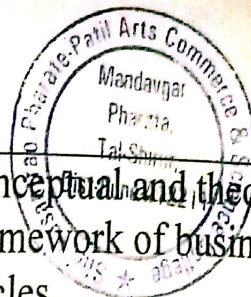
				Cos3. To provide the knowledge of various financial and non-financial institutions. Cos4. To provide the students the intricacies of Indian financial system for better financial decision making.
SYBA	24153	2019(CBCS)	Financial System-II	COs1. To understand fundamentals of modern financial system. COs2. To understand the recent trends and developments in banking system. COs3. To understand the role of the Reserve Bank of India in Indian financial system COs4. To provide the knowledge of various financial and non-financial institutions. COs5. To provide the students the intricacies of Indian financial system for better financial decision making.
TYBA	35153	2019(CBCS)	Indian Economic Development -I	COs1. To relate and recognize the concept and indicators of Economic Development. Cos2. To describe and analyze the concept and indicators of Human Development. Cos3. To explain the characteristics of Developing and Developed Countries Cos4. To describe the constraints to the process of



				Economic Development
TYBA	36153	2019(CBCS)	Indian Economic Development-II	COs1. To describe and explain the process of Economic Planning. Cos2. To describe and examine the changing structure of planning process in India Cos3. To describe and explain the relation between Economic Development and Environment
FYBCO M	113	2019(CBCS)	Business Economics-I(Micro)	COs1. To develop an understanding about subject matter of Economics COs2. To impart knowledge of microeconomics. COs3. To clarify micro economic concepts. COs4. To analyse and interpret charts, graphs and figures. COs5. To develop an understanding of basic theories of micro economics and their application. Cos6. To help the students to prepare for varied competitive examinations.
FYBCO M	123	2019(CBCS)	Business Economics-II(Micro)	COs1. To understand basic theories, concepts of micro economics and their application. Cos2. To demonstrate that the theories discussed in class will usually be applied to real-life situations.



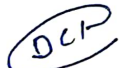
				Cos3. To impart knowledge of microeconomics.
SYBC OM	233	2019(CBCS)	Business Economics- I(Macro)	COs1. To introduce students to the historical background of the emergence of macroeconomics. COs2. To familiarize students with the differences between microeconomics and macroeconomics. COs3. To familiarize students with various concepts of national income. COs4. To familiarize students with Keynesian macroeconomic theoretical framework of consumption and investment functions. COs5. To introduce students to the role of money in an economy.
SYBC OM	243	2019(CBCS)	Business Economics- II(Macro)	Cos1. To introduce students to the conceptual and theoretical frameworks of inflation, deflation and stagflation, Business Cycle. Cos2. To familiarize students with the



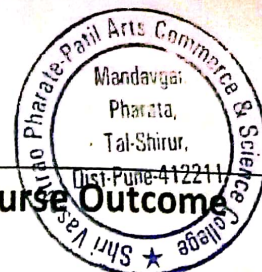
				conceptual and theoretical framework of business cycles. Cos3. To introduce students to the role of monetary and fiscal policies in fulfilling the macroeconomic objectives of stability, full employment and growth. COs9. To introduce students to the various instruments of monetary and fiscal policie Cos4To introduce the various concepts of National Income.
TYBC OM	353-B	2019(CBCS)	International Economics -I	COs1. Students will be able to understand present Economic Scenario of Indian Economy as well as World Economy. Cos2 Students will understand the working of foreign trade market and foreign exchange market. Cos3 Students will be able to comprehend trade policies and concepts related to trade policies. Cos4 Students will be able to use the subject knowledge in their future academic and professional
TYBC OM	363-B	2019(CBCS)	International Economics -II	COs1. To relate and recall the concepts of International Economics and International Trade. COs3. To explain and comprehend the issues

			relating to Terms of trade and Balance of Payment. COs4. Ability to relate and explain the concept of Exchange Rate and Foreign Exchange Market. COs5. Ability to describe the trends in Growth, Composition and Direction of India's Foreign Trade. COs6. Ability to comprehend the issues relating to Foreign Capital and Regional and International Co-Operation
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Department of political Science Course Outcomes (COs)



Class	Course Code	Syllabus Revised	Title	Course Outcome
FYBA	CourseCode:- 11161	2019(CBCS)	Introduction to indian Constitution (semester -I)	1.Students are aware about their Rights. 2.Students area ware about importance of voting 3.Students are havingability to analyses the election resultsaswel lassurvey. 4.Students are interpreted thepolitical events 5.Students haveskilltofaceCompetitiveexams.
FYBA	CourseCode:- 11162	2019(CBCS)	Introduction to indian Constitution (semester -II)	1.Students awarea bouthistory of Constitution of India 2.Importants of Constitution 3.mportants of Constitution 4.Fetures of ConstitutionofIndia
SYBA	CourseCode:- 23164		CC-1C (3) Introduction to Political Ideology (Semester-III)	1.To introduce thestud entssto the structure of Political Ideologies - To in culcate human values and social awareness. 2.Students are awarea bout western Ideologies. 3.Students are aware about importance of Gandhisim 4.To introduce students feminismand Marxism.
SYBA	CourseCode:- 24164		CC-1D(3) Introduction to Political Ideology (SemesterIV)	1.Role of different political ideologies and the irimpactin politics 2.Closelink between anideaandits actualrealization inpublic policy 3.Legacyof all the major ideologies

				4.Role of different political ideologies and the irimpactin politics
TYBA	Course Code:CC-1E 3167	2019(CBCS)	C-1 E (3) Local Self Government In Maharashtra SEMESTER-V	1.To introduce the evolution of Local Self Government in Maharashtra 2. To make students aware about 73rd and 74th Constitutional Amendments 3. To introduce the students the structure of Local Self Government 4. To make students aware about composition, power and functions of local bodies
TYBA	Course Code:CC-2E 3168		CC-2 E (3) Local Self Government In Maharashtra SEMESTER-VI	1.Students enable to understand the evolution of local self-Government in Maharashtra. 2.Students will are about constitutional journey Of Local self-3.Government by study 73rd and 74th Amendment of Indian Constitution.



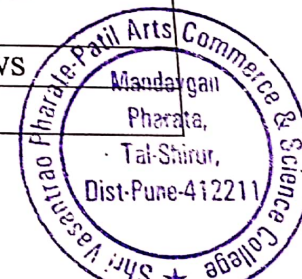
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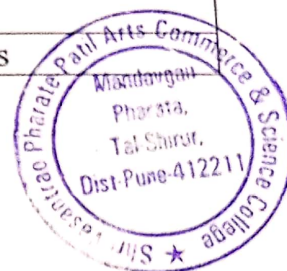
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Mandavgan Pharata Tal: Shirur, Dist: Pune, Pincode: 412211.
Affiliated to Savitribai Phule Pune University, Pune (ID No PU/PN/AC/392/2009)
AISHE Code: C-41832 Unipune ID: CAAP014910 Tel. No-(02137) 262222
Website-www.svppcollege.com E-Mail-acscollege09@gmail.com

Bachelor of Commerce Program Outcomes (POs)

POs	Program Outcomes
1	To impart the knowledge of Financial accounting, Corporate Accounting & Advanced Accounting, Elements of Business Management, Business Administration, Auditing & Taxation , Business Mathematics & Statistics, Business Communication, Concepts & procedures, methods and techniques of accounting
2	To provide the knowledge of the various types of Accounting, Auditing & Taxation, Elements of Business Management, Business Mathematics & Statistics, Business Communication & Methods for various business forms
3	To acquaint them with practical approach to Financial Accounting, Business Communication, Auditing & Taxation & Business Administration
4	To make them aware of various General & Commercial Laws
5	To create the general commercial awareness

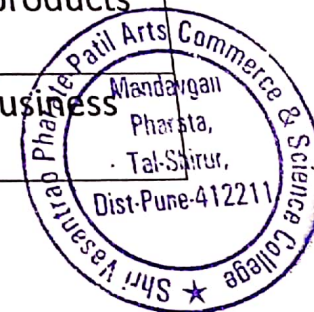


6	To understand the general commercial transactions.
7	To make aware the students about banking transactions i.e Cheques, Promissory Notes, Demand Draft, how to calculate interest on saving account.
8	To prepare the students for becoming an independent businessman or a consultant.
9	To prepare students for various competitive examinations

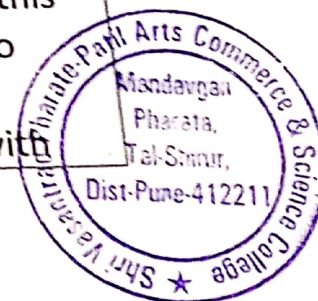


Bachelor of Commerce Course Outcomes (COs)

Class	Course Code	Syllabus Revised	Title	Course Outcome
FYB.Com	112	2019(CBCS)	Financial Accounting-I	CO1: Understand the basic concepts of account CO2: Know practical usage of accounting concepts. CO3: Learn how to utilize the accounting concepts in business environment. CO4: Learn how to use computerized accounting practically. CO5: Be able to do finalization of the book of account in various business establishments
FYB.Com	116(C)	2019(CBCS)	Marketing and Salesmanship -I	CO1: Students are going to get acquainted with basic concepts of marketing, traditional and modern approach of marketing functions of marketing and concept of Market CO2: Students will get in depth knowledge of concept of market segmentation and marketing mix CO3: Students will get acquainted with in depth concept of product mix and price mix CO4: Students will get insight into the knowledge of promotion mix and place Mix through channel of distribution. Also develop skill of promotion of products in Business.
FYB.Com	114(A)	2019(CBCS)	Business Mathematics and	CO1: Know the basic concepts in Finance and Business Mathematics and Statistics



			Statistics -I	CO2: Understand the different methods of calculation of EMI and calculate the EMI on their own before taking any loan CO3: Understand applications of Statistics and Mathematics in Business and can Decide upon the better investment options. CO4. Understand elementary statistical Methods for analysis of data. CO5: Calculate various averages for different Data sets.
FYB.Com	115B	2019(CBCS)	Banking and Finance -I	CO1:To familiar the students with the fundamentals of banking and thorough Knowledge of banking operations. CO2:To build up the capability of students for knowing banking concepts and Operations. CO3: To make the students aware of banking business and practices. CO4: To make understandable to the students regarding the new concepts Introduced in the banking system.
FYB.Com	12019-VA05-2	2019(CBCS)	Value Education	CO1:The course is designed to inculcate the values which are an utmost need of the hour to overcome various challenges. The students will learn to adopt and implement the suitable values at appropriate time, understand various challenges in value adoption in this contemporary world, use the 'Reflection method' to explore values from inside out. CO2:The course is expected to acquaint students with



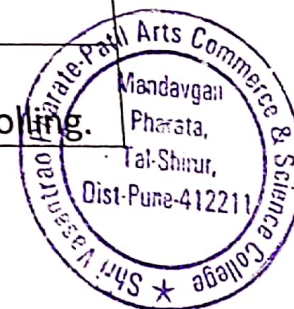
				the core values such as physical, mental and spiritual aspects of personality, developing respect for the dignity of individual and the society, inculcation of spirit of patriotism and national integrity and developing tolerance to wards understanding of different religious faiths as well. The course will help students to be a better human being and a strong pillar of society.
FYB.Com	122	2019(CBCS)	Financial Accounting-II	CO1: Understand the basic concepts of account CO2: Know practical usage of Accounting concepts. CO3: Learn how to utilize the accounting Concepts in business environment. CO4:Learn how to use computerized Accounting practically. CO5: Be able to do finalization of the book of account in various business establishments
FYB.Com	126(C)	2019(CBCS)	Marketing and Salesmanship-II	CO1 :Students are going to get acquainted with basic concepts of marketing, traditional and modern approach of marketing functions of marketing and concept of Market CO2: Students will get in depth knowledge of concept of market segmentation and marketing mix CO3: Students will get acquainted with in depth concept of product mix and price mix CO4 :Students will get insight into the knowledge of promotion mix and place Mix through channel of distribution. Also develop skill of promotion of products



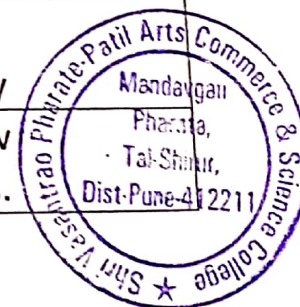
FYB.Com	124B	2019(CBCS)	Business Mathematics & Statistics-II	in Business. CO1: Introduces mathematics & statistics to undergraduate students of commerce so that they can use them in the field of commerce & industries to solve the real life Problems. CO2: It also facilitates decision making with the help of decision making techniques
FYB.Com	125B	2019(CBCS)	Banking and Finance -II	CO1: To familiar the students with the fundamentals of banking and thorough knowledge of banking operations. CO2: To build up the capability of students for knowing banking concepts and operations. CO3: To make the students aware of banking business and practices. CO4: To make understandable to the students regarding the new concepts Introduced in the banking system.
FYB.Com	12019-VA02-1		Employability Skill Enhancement Programme	CO1: This programme is designed to aid candidates in their preparation for recruitment through campus or outside campus. CO2: The course will enable students to be a better professional through effective communication.. Students will learn skills to present themselves in an effective manner while facing interviews or similar test for placements.
FYB.Com			Democracy, Election and Governance	CO1: To introduce the students meaning of democracy and the role of the governance



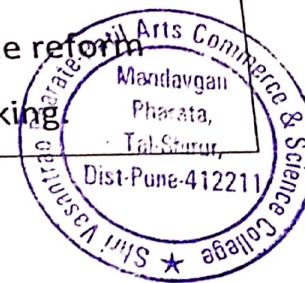
				CO2: To help them understand the various approaches to the study of democracy and governance
SYB.Com	232	2019(CBCS)	Corporate Accounting-I	CO1: Define accounting concept and convention and Accounting standards. CO2: Finalize the books of company. CO3: Prepare liquidator final statement of account. CO4: Define various software used in accounting
SYB.Com	242	2019(CBCS)	Corporate Accounting-II	CO1: Prepare Amalgamation of business and prepare Consolidated financial statements Paraphrase the process of internal reconstruction Practice the valuation of share under different methods. CO2: Understand Holding Company Accounting Get in-depth knowledge of accounting in modern day Business world.
SYB.Com	234	2019(CBCS)	Business Management-I	CO1: Explain the management evolution and how it will affect Management future managers Differentiate and evaluate the influence of historical focus on the current practice of Management. CO2: Identify and evaluate social responsibility and ethical issues involved in business situations and logically articulate own position On such issues. CO3: Explain how organizations adapt to an uncertain environment Identify techniques managers use to influence and control The internal environment.
SYB.Com	244	2019(CBCS)	Business Management-II	CO1: Practice the process of management's four functions: planning, organizing, leading, and controlling.



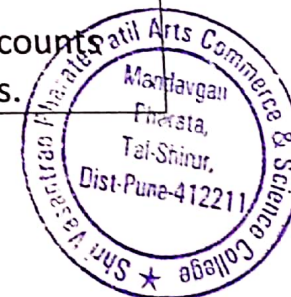
				CO2: Identify and apply vocabularies within the field of Management to articulate one's position on a specific Management issue. CO3: Communicate effectively with various stakeholders of the business. CO4: Criticize the various leadership styles to anticipate the consequences of each leadership style. CO5: Discriminate qualitative and quantitative information to isolate issues and formulate best control methods.
SYB.Com	231	2019(CBCS)	Business Communication-I	CO1: Defines the term business communication. Lists the methods and channels used in business communication. CO2: Explains the soft-skills required for effective business communication. CO3: Classifies different forms formal written business Communication.
SYB.Com	241	2019(CBCS)	Business Communication-II	CO1: Recalls the principles of effective business communication Explains the barriers to effective business Communication. CO2: Relates the social media and its use for business Communication. CO3: Is able to dramatize the role play activity
SYB.Com	235	2019(CBCS)	Elements of Company Law-I	CO1: Enumerates the introduction to the New Companies Act 2013 & Concept of Companies.



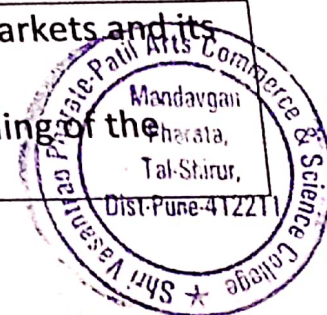
				CO2: Comprehend and demonstrate the formation and Incorporation of a Company Construct and draft the documents relating to Incorporation and Raising of Capital. CO3: Perceive Various Modes for Raising of Share Capital.
SYB.Com	245	2019(CBCS)	Elements of Company Law-II	CO1: Explain the Rules of Forfeiture, Surrender & Transfer of Shares. CO2: Describe the advantage of E-Governance and E Filing. Recognize the role of Key Managerial Personnel. CO3: Distinguish between Revival and Re-habilitation of Sick Companies and understand the concept of Compromises, Arrangements and Amalgamation.
SYB.Com	236B	2019(CBCS)	Indian Banking System-I	CO1: To make the students aware of Indian banking system. CO2: To enables students to understand the reform sand other developments in the Indian Banking. CO3: To impart knowledge about functions and role of Reserve Bank of India.
SYB.Com	246B	2019(CBCS)	Indian Banking System-II	CO1: To make the students aware of Indian banking system. CO2: To enables students to understand the reform sand other developments in th Indian Banking.



				CO3: To impart knowledge about functions and role of Reserve Bank of India
TYB.Com	351	2019(CBCS)	Business Regulatory Framework-I	CO1: Student should get idea of different business laws in the country. CO2: Student should know provisions of various laws affecting business CO 3: Student should know implementation process of various laws.
TYB.Com	361	2019(CBCS)	Business Regulatory Framework-II	CO1 Student should get idea of different business laws in the country. CO2: Student should know provisions of various laws affecting business CO 3: Student should know implementation process of various laws.
TYB.Com	352	2019(CBCS)	Advanced Accounting-I	CO1: Student should develop skills of Computerized Accounting. CO2: Student should learn banking company accounts and accounts of Nonprofit making organizations. CO3: Student should have knowledge of Accounting Standards.
TYB.Com	362	2019(CBCS)	Advanced Accounting-II	CO1: Student should develop skills of Computerized Accounting. CO2: Student should learn banking company accounts and accounts of Nonprofit making organizations.

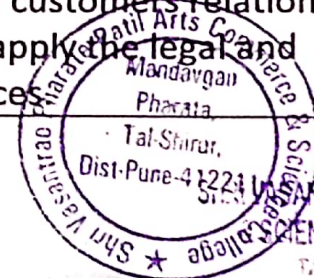


				CO3: Student should have knowledge of Accounting Standards.
TYB.Com	354	2019(CBCS)	Auditing	CO1: Student should get familiarize with the concept of auditing like meaning & evolution of auditing and auditing process CO2: Student should be well versed with aspects while conducting audit like Vouchers and vouching of cash book items, verification and valuation of Balance sheet items. CO3: Student should have knowledge of Audit report its types and contents. CO4: Student should learn legal provisions regarding Company Auditor including provisions regarding qualification, disqualification, rights duties and liabilities.
TYB.Com	364	2019(CBCS)	Taxation	CO1: Student will understand the basic concepts and to acquire knowledge about Computation of Income, CO2: Students will understand submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection. CO3: Students will understand authorities Under the Income Tax Act, 1961.
TYB.Com	355B	2019(CBCS)	Banking & Finance II (Financial Markets and	CO1: Enable the students with Financial Markets and its various segments. CO2: To give the students and understanding of the operations and developments in



			Institutions in India)-I	Financial markets in India. CO3: To aqua in them to gain an insight in to The functioning and role of financial institutions in the Indian Economy.
TYB.Com	365-B	2019(CBCS)	Banking & Finance II (Financial Markets and Institutions in India)-II	CO1: To familiarize students about various basic concepts of stock market. CO2 : To analyses the types and process of stock trading. CO3: To enable the students to understand the functions and working of Non -Banking Financial Institutions in India . CO4: To enable the students to acquire sound knowledge of Regulatory Bodies in India.
TYB.Com	356B	2019(CBCS)	Banking & Finance III (Banking Law and Practices in India.) -I	CO1: To make the students aware of Indian banking system. CO2: To enables students to understand the reforms and other developments in the Indian Banking. CO3: To impart knowledge about functions and role of Reserve Bank of India
TYB.Com	366B	2019(CBCS)	Banking & Finance III (Banking Law and Practices in India.)- II	CO1: To familiarize students about concept and types cybercrimes in banking. CO2: To understand the aspects of paying and collecting banker. CO3: To analyse the banker and customers relationship. CO4: To enable the students to apply the legal and practical aspects of bank advances.

Head
Department of Commerce
Shri Vasantrao Pharate-Patil College
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Shri Wagheshwar Gramvikas Pratishtan's
Shri Vasantrao Pharate Patil Arts, Commerce and Science College

Mandavgan Pharata Tal: Shirur, Dist: Pune, Pincode: 412211.

Affiliated to Savitribai Phule Pune University, Pune (ID No PU/PN/AC/392/2009)

AISHE Code: C-41832 Unipune ID: CAAP014910 Tel. No-(02137) 262222

Website-www.svppcollege.com E-Mail-acscollge09@gmail.com

Bachelor of Business Administration

THE PROGRAM OUTCOME:

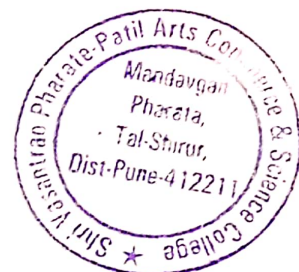
1. To develop comprehensive professional skills those are required for a business administration graduate and to develop language abilities of students to inculcate writing skills and Business correspondence
2. To apply the knowledge of accounting fundamentals, and financial management to the solution of complex accounting & management problems
3. To develop Self-employment of young entrepreneurs and to create corporate professionals
4. To create awareness of Law and Legislations related to healthcare and business and Practical orientation in the area of hospitals and healthcare
5. To develop wide spectrum of managerial skills along with competency building, qualities in specific areas of business studies
6. To have successful career in all Economics, accounting, finance and to pursue higher education and research
7. Problem solving through the application of appropriate theories, principles and data



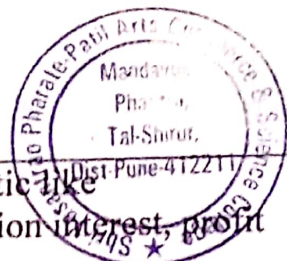
PROGRAM SPECIFIC OUTCOME:

- 1: Recognize the need to adapt business practices to the opportunities and challenges of an evolving global environment.
- 2: Demonstrate ability to recognize and identify ethical conflicts, apply ethical reasoning and assess response options relative to the needs and interests of relevant stakeholders to address issues in a business context.
- 3: Identify, evaluate, analyze, interpret and apply information to address problems and make reasoned decisions in a business context.
- 4: Communicate in a business context in a clear, concise, coherent and professional manner.
- 5: Demonstrate the understanding and ability to apply professional standards, theory, and research to address business problems within specific concentrations.

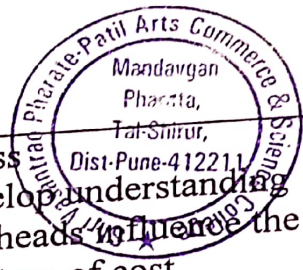
**Bachelor of Business Administration
Course Outcome**



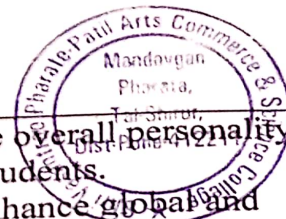
Name of Class	Course Code	Syllabus Revised	Title	Course Outcome
FY BBA	101	2019(CBCS)	Principle Of Management	1. To understand basic concept regarding org. Business Administration □ 2. To examining how various management principles
FY BBA	102	2019(CBCS)	Business Communication Skills	1 To understand what is the role of communication in personal and business world 2. To understand system and communication and their utility
FY BBA	103	2019(CBCS)	Business Accounting	1. To develop right understanding regarding role and importance of monetary and financial transactions in business. 2.To cultivate right approach towards classifications of different transactions and their implications
FY BBA	104	2019(CBCS)	Business Economics – Micro	1. To understand role of economics as it influences society and business 2. To study how different decisions are taken in relation to price demand and supply
FY BBA	105	2019(CBCS)	Business Mathematics	1.To develop appropriate understanding as how to use



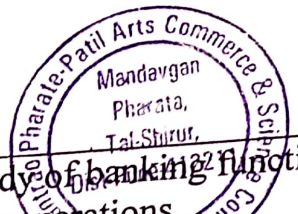
				mathematical like computation interest, profit etc 2. To cultivate right understanding regarding numerical aptitude
FY BBA	106	2019(CBCS)	Business Demography	1. To give proper understanding regarding concept of demography in modern economic set-up 2. To study how population and structure changes affecting quality of life and business
FY BBA	201	2019(CBCS)	Business Organizations and Systems	1) To understand role and functions of modern business 2) To develop right understanding regarding business environment
FY BBA	202	2019(CBCS)	Principles of Marketing	1. To develop write understanding regarding marketing environment in the country 2. To develop appropriate conceptual understanding as to develop basic marketing concept
FY BBA	203	2019(CBCS)	Principles of Finance	1. To cultivate right approach towards money , finance , and their role in business 2. To develop right understanding regarding various sources of finance and their role and utility in business
FY BBA	204	2019(CBCS)	Basics of Cost Accounting	1. To develop rational understanding regarding concept of cost expenditure



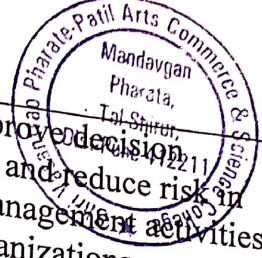
				in business 2.To develop understanding how overheads influence the cost structure of cost
FY BBA	205	2019(CBCS)	Business Statistics	1.To understand role and importance of statistics in various business situations 2. To develop skills related with basic statistical technique 3. Develop right understanding regarding regression, correlation and data interpretation
FY BBA	206	2019(CBCS)	Fundamentals of Computers	1. To develop concept of information and their role in modern businesses 2. To develop rational approach as to how computers can be used in data process analysis in business
SYBBA	301	2019(CBCS)	Principles of Human Resource Management	1. To introduce the basic concepts of Human Resource Management. 2. To cultivate right approach towards Human Resource and their role in business.
SYBBA	302	2019(CBCS)	Supply Chain Management	1. To enable the students to have a comprehensive understanding of Supply Chain Management. 2. To understand key concepts and issues of Logistics and Inventory Management
SYBBA	303	2019(CBCS)	Global Competencies and	1. To build self-confidence, enhance self-esteem, and



			Personality Development	improve overall personality of the students. 2. To enhance global and cultural competencies of the students.
SYBBA	304	2019(CBCS)	Fundamentals of Rural Development	1. To understand the development issues related to rural society. 2. To find the employment opportunities for rural youth. 3. To create interest among the rural youth to participate in rural development programmes and schemes for sustainable development
SYBBA	305	2019(CBCS)	Consumer Behaviour & Sales Management	1. To develop significant understanding of Consumer behaviour in Marketing. 2. To understand the relationship between consumer behaviour & Sales Management.
SYBBA	306	2019(CBCS)	Retail Management	1. To provide basic understanding of forces that shape retail industry 2. To provide understanding of retail operations and strategy 3. To provide understanding of opportunities and challenges in retail industry
SYBBA	305 -B	2019(CBCS)	Management Accounting	1. To impart basic knowledge of management accounting. 2. To understand the implications of various financial ratios in decision making.



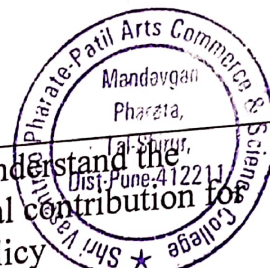
SYBBA	306-B	2019(CBCS)	Banking & Finance	1. Study of banking function and its operations. 2. To study the functioning of Regulatory Authorities in India 3. To study recent technology in banking industry
SYBBA	305 -D	2019(CBCS)	Fundamentals of Services Management	1. To introduce services as a Business Function. 2. To develop practical insights in enhancing business processes of Service sector.
SYBBA	305 -D	2019(CBCS)	Principles & Functions of Services Management	1. To recognise & understand different types of service based organizations. 2. To understand the importance of ITES in service sector 3. 3. To enhance knowledge of global trends in outsourcing.
SYBBA	401	2019(CBCS)	Entrepreneurship and Small Business Management	1. To understand the concept and process of Entrepreneurship. 2. To Acquire Entrepreneurial spirit and resourcefulness. 3. To get acquainted with the concept of Small Business Management.
SYBBA	402	2019(CBCS)	Production and Operation Management	1. To understand the key concepts of Production and Operation Management. 2. To understand the various manufacturing methods and role in managing business.
SYBBA	403	2019(CBCS)	Decision Making and Risk Management	1. To learn the key topics in decision making and risk management so that they



				can improve decision making and reduce risk in their management activities and organizations. 2. Find the best alternative in a decision with multiple objectives and uncertainty. 3. Describe the process of making a decision.
SYBBA	404	2019(CBCS)	International Business Management	1. To acquaint the students with emerging trends and issues in International Business. 2. To study the impact of International Business Environment on foreign market operations. 3. To analyze International trade models.
SYBBA	405-A	2019(CBCS)	Advertising and Promotion Management	1. To develop knowledge and understanding of importance of advertising. 2. To understand different sales promotion techniques. 3. To know about promotion management.
SYBBA	406 -A	2019(CBCS)	Digital Marketing-	1. To provide students with the Knowledge about business advantages of the digital marketing and its importance for marketing success. 2. To help students become In demand professional by being acquainted through various Digital channels & their ways of Integration. 3
SYBBA	405 -B	2019(CBCS)	: Business Taxation	1. To understand different concepts & definitions under Income Tax Act 1961.

				2. To understand the importance of Taxation to the students. 3. To update the students with the latest development in the subject of Taxation.
SYBBA	406 B	2019(CBCS)	Financial Services	1. To Study in detail financial services in India. 2. To study & Understand working of Indian financial system.
TYBBA	501	2019(CBCS)	Research Methodology	1. To develop an understanding of the right approach of Research Methodology and its role in Business. 2. To develop an understanding of the basic framework of the identification of various sources of information for data collection
TYBBA	502	2019(CBCS)	Database Administration and Data Mining	1. To understand the Database Management System 2. To understand the Data Mining Concepts 3. To understand the current trends in Data Management
TYBBA	503	2019(CBCS)	Business Ethics	1. To provide a comprehensive understanding of the concepts of Business Ethics 2. To develop theoretical tools to understand current ethical issues and their impacts on business
TYBBA	504	2019(CBCS)	Management of Corporate Social Responsibility	1. To understand the concept and process of CSR

				2. To Understand the industrial contribution for CSR Policy 3. To Understand the context of CSR of present-day Management
TYBBA	505 -A	2019(CBCS)	Marketing Environment Analysis and Strategies	1. To develop students' understanding of the factors shaping Marketing Environment 2. To develop students' ability to analyze the Business Environment 3. To develop students' understanding of the strategies for sustaining the forces in Marketing Environment
TYBBA	506 -A	2019(CBCS)	Legal Aspects in Marketing Management	1. To understand the application of different legal aspects in Marketing Management
TYBBA	505 -B	2019(CBCS)	Analysis of Financial Statements	1. To develop the conceptual framework of financial analysis and provide practical exposure to apply various tools of Financial Statement Analysis. 2. To enable to use of various types of ratios for financial and investment decisions.
TYBBA	506-B	2019(CBCS)	Legal Aspects of Finance & Security Laws	1. To understand the Legal Aspects of Finance & Security Laws. 2. To know the legal provisions to obtain finance from various source of finance.



TYBBA	601	2019(CBCS)	Essentials of E-Commerce	3. To explore various finance & securities-related laws in India. 1. To understand the importance, role, and activities of E-Commerce. 2. To understand various E-Money and E-Payment systems used in E-Commerce. 3. To understand the concept of E-Marketing and its tools in E-Commerce.
TYBBA	602	2019(CBCS)	Management Information System	1. To describe the basic concept of Information Technology and Management Information System. 2. To describe the role of information technology and information systems in business. 3. 3. To contrast and compare how MIS support business processes.
TYBBA	603	2019(CBCS)	Business Project Management	1. To develop a significant understanding of Project Management. 2. To develop a concept based approach towards Management of Business Projects.
TYBBA	604	2019(CBCS)	Management of Innovations and Sustainability	1. To understand the concepts of Innovation and Sustainability in a practical sense. 2. To better know the significance of organisational sustainable development and the

				economic implications of sustainable development. 3. To learn about the most common errors made when handling sustainable growth
TYBBA	605 -A	2019(CBCS)	International Brand Management	1. To develop students' understanding of the concept of developing brands 2. To develop students' understanding of the concept of brand equity
TYBBA	606 _A	2019(CBCS)	Cases in Marketing Management + Project	To understand the application of theory into practice.
TYBBA	605- B	2019(CBCS)	Financial Management	1. To know various sources of finance of business 2. To study and understand the capital structure of the company and its cost of capital
TYBBA	606- B	2019(CBCS)	Cases in Finance +Project	1. To Study & understand the core areas of finance. 2. To study the practical applications of finance. 3. To prepare project reports based on the internship & understanding of core areas of finance.



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PRINCIPAL
 SHRI VASANTAO PHARATE-PATIL ART'S, COMMERCE
 & SCIENCE COLLEGE, MANDAVGAN PHARATA
 TAL. SHIRUR, DIST. PUNE 412211



Shri Vagheswar Gramvikas Pratishtan's
Shri Vasantrao Pharate Patil Arts, Commerce and Science College

Mandavgan Pharata Tal: Shirur, Dist: Pune, Pincode: 412211.
Affiliated to Savitribai Phule Pune University, Pune (ID No PU/PN/AC/392/2009)
AISHE Code: C-41832 Unipune ID: CAAP014910 Tel. No-(02137) 262222
Website-www.svppcollege.com E-Mail-acscollge09@gmail.com

B.B.A. (Computer Application)

Program Outcomes (COs)

- Develop industry-ready human resources.
- To bring the spirit of entrepreneurship.
- To impart practical skills among students.
- Acquire practical skills and hands-on experience on emerging technologies like Java, Web designing, Android, Python, IoT, PHP and Data Science.
- Acquiring knowledge in basic management skills and business applications.
- Develop a sound academic base for an advanced career in Computer Applications.

Program Specific Outcome:

- Ability to correlate theory and practical knowledge in applications.
- Become employable in various public and private sectors.
- Blend analytical, logical, and managerial skills with technical aspects to resolve real-world issues.

B.B.A. (Computer Application)

Course Outcomes (COs)



Class	Course Code	Syllabus Revised	Course Title	Course Outcomes
FYBBA(C.A.)	CA-101	2019(CBCS)	Business Communication	▪ Ability to acquire basics of communication skills. ▪ Understand the importance of communication and soft skills in IT. ▪ Ability to improve proficiency in business letter writing and overall business ethics.
FYBBA(C.A.)	CA-102	2019(CBCS)	Principles of Management	• Gain knowledge on organizational business administration skills. ▪ Understand knowledge of various management principles. ▪ Gain proficiency in team work and team building. ▪ Develop managerial skills among the students.
FYBBA(C.A.)	CA-103	2019(CBCS)	C Language	▪ Ability to improve logical thinking through practical knowledge of C Programming. ▪ Able to develop logic for writing programs using Control Structures, Arrays, and Functions. ▪ Able to develop small real-life applications using C.
FYBBA(C.A.)	CA-104	2019(CBCS)	Database Management System	▪ Ability to obtain the basic knowledge of Database Management Systems. ▪ Able to gain knowledge of creation, manipulation



				and querying of data in databases. ▪ Able to normalize the database design. ▪ Able to develop an E-R model based on user requirements.
FYBBA(C.A.)	CA-105	2019(CBCS)	Statistics	▪ Acquire knowledge of the role and importance of statistics in various business situations. ▪ Gain knowledge related to basic statistical techniques. ▪ Develop the right understanding regarding regression, correlation and data interpretation.
FYBBA(C.A.)	CA-106	2019(CBCS)	Computer Laboratory based on CA-103 and CA-104	▪ Ability to develop and implement computer programs using C Language. ▪ Able to create and manipulate databases using SQL. • Understand how to write, debug and execute simple programs in C.
FYBBA(C.A.)	107	2019(CBCS)	Principles of Programming and Algorithm (ADD ON)	▪ Improve the ability of students in analytical and logical thinking. ▪ Students will be able to apply a systematic way of solving a specific problem using tools such as algorithms and flowcharts. ▪ Explore algorithmic approaches to problem-solving.



FYBBA(C.A.)	CA-201	2019(CBCS)	Organization Behavior and Human Resource Management	▪ Ability to develop strategies for organizational change and development. ▪ Able to make aware students of traditional & modern methods of procurement & development in the organization. ▪ Able to explore the major trends in HRM & OB.
FYBBA(C.A.)	CA-202	2019(CBCS)	Financial Accounting	▪ Ability to develop skills for basic accounting. ▪ The course will impart knowledge on transaction management and record-keeping. ▪ Cultivate the right approach towards classifications of different transactions and their implications. ▪ Develop proficiency in the preparation of basic financial and accounting statements.
FYBBA(C.A.)	CA-203	2019(CBCS)	Business Mathematics	▪ Ability to analyze and interpret mathematical results. ▪ To understand the role and importance of Mathematics in various business situations and while developing software.
FYBBA(C.A.)	CA-204	2019(CBCS)	Relational Database	▪ Able to acquire a good formal foundation on the relational model of data and usage of Relational Databases. ▪ Able to use advanced



				database Programming concepts ▪ Enables the student to write PL/SQL programs that use procedure, function, package, cursor and trigger.
FYBBA(C.A.)	CA-205	2019(CBCS)	Web Technology HTML-JavaScript-CSS	▪ Ability to design more attractive Web pages using CSS. ▪ Ability to develop interactive websites using JavaScript. ▪ Understand how to develop web-based applications using JavaScript.
FYBBA(C.A.)	CA-206	2019(CBCS)	Computer Laboratory Based on 204 and 205	▪ Able to manage relational databases using SQL. ▪ Ability to write simple and nested queries using SQL. ▪ Ability to write PL/SQL programs that uses procedure, function, package, cursor, and trigger. ▪ Ability to design web pages using HTML, CSS and Javascript
FYBBA(C.A.)	207	2019(CBCS)	Advance C (ADD ON)	▪ Develop modular programs using Functions, structures and pointers. ▪ Ability to develop mini projects using C. ▪ Able to use advanced concepts of C for writing C programs.
SYBBA(C.A.)	CA-301	2019(CBCS)	Digital Marketing	▪ Familiarity with working of E-Commerce and understand B-B, C-B, C-C



				relationship. ▪ Able to understand the basics of SEO (Search Engine Optimization) and better understanding between Digital and Real Marketing. ▪ Understanding of Digital Marketing types and gaining practical knowledge of its usage through the Internet, Social Media and Mobile, Email. ▪ Designing effective content for digital marketing using various Digital Marketing tools. ▪ Developing an effective marketing strategy using CRM.
SYBBA(C.A.)	CA-302	2019(CBCS)	Data Structure	▪ Able to understand the concepts of ADTs. ▪ Develop skills in the implementation and application of different types of data structures. ▪ To understand basic algorithms related to sorting, searching and hashing. ▪ To understand the concept of different memory allocation techniques. ▪ Apply algorithm and data structure in various real-life software problems.
SYBBA(C.A.)	CA-303	2019(CBCS)	Software Engineering	▪ Able to understand concepts of Systems and their types. ▪ Able to understand software engineering concepts and their applications. ▪ Develop the ability to



				gain knowledge of the SDLC process. ▪ Ability to understand the concept of Re-Engineering and Reverse Engineering. ▪ Knowledge of different types of software development models such as waterfall, spiral, and prototyping. ▪ Understand the concept of testing and its types.
SYBBA(C.A.)	CA-304	2019(CBCS)	PHP	▪ Ability to develop interactive data-driven dynamic websites. ▪ Understand how server-side programming works on the web. ▪ To understand Session and Cookie concept. ▪ To implement database connectivity.
SYBBA(C.A.)	CA-304	2019(CBCS)	Angular JS	▪ Empower students to create a web application that depends on Client-Side MVC & SPA. ▪ To study the use of various AngularJS Components. ▪ Ability to understand the concepts of Javascript and its implementation. ▪ Create and bind controllers with Javascript and apply the filter in the Angular JS application.
SYBBA(C.A.)	CA-305	2019(CBCS)	Big Data	▪ Able to understand the basic techniques such as R programming that form the foundations of Big Data. ▪ Ability to acquire knowledge in specialized



				aspects of big data including big data applications and big data analytics. ▪ To understand the building blocks of Big Data and specialized aspects of big data with the help of different big data applications. ▪ Explore the area of specialization in Data Science and be able to represent the analytical aspects of Big Data. ▪ Able to summarize data using exploratory data analysis and visualization using graphs.
SYBBA(C.A.)	CA-305	2019(CBCS)	Block chain	▪ Understand what and why of Block chain. ▪ Explore the major components of Blockchain. ▪ Learn about Bitcoin, Cryptocurrency and Ethereum. ▪ Deploy and exercise example smart contracts. ▪ Identify a use case for a Blockchain application. ▪ Create your Blockchain network application.
SYBBA(C.A.)	CA-306	2019(CBCS)	Computer Laboratory Based on 302 , 304 and 305	• To assess the knowledge of student in Data Structure, Angular JS and R programming • To acquire knowledge on writing computer programs using concept of Data Structure , Angular JS and R programming • To create and manage Applications using Data Structure , Angular JS and R programming



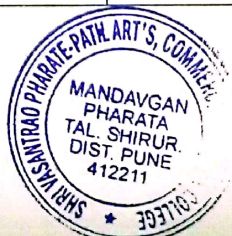
SYBBA(C.A.)	307	2019(CBCS)	Environment Awareness	• Identify and recognize the knowledge, values, attitudes, commitment and skills needed to protect and improve the environment. • Discuss current scenario of environment. • Develop consciousness towards a cleaner and better managed environment. • Analyze various local environment aspects.
SYBBA(C.A.)	CA-401	2019(CBCS)	Networking	▪ Obtain knowledge about Computer Network concepts. ▪ Gain Knowledge about working of networking models, addresses, transmission media and Connectivity devices. ▪ To acquire information about network security and cryptography.
SYBBA(C.A.)	CA-402	2019(CBCS)	Object-Oriented Concepts through CPP	▪ Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design. ▪ Develop programming skills using C++ features. ▪ Able to use various object-oriented concepts used to solve real-life problems. ▪ Implement different concepts of file handling and exception handling.
SYBBA(C.A.)	CA-403	2019(CBCS)	Operating System	▪ Understand fundamental operating system abstraction such as process, semaphore, threads etc. ▪ To know the services provided by Operating



				System. - Analyze process scheduling, CPU Scheduling, and memory management algorithms. - To understand design issues related to file management and various related algorithms.
SYBBA(C.A.)	CA-404	2019(CBCS)	Node - JS	- Understand the JavaScript and technical concepts behind Node JS. - Structure a Node application in modules. - Understand and use the Event Emitter, Buffers, Streams and Pipes. - Build a Web Server in Node and understand how it works. - Ability to understand how to connect with SQL or Mongo database in Node.
SYBBA(C.A.)	CA-404	2019(CBCS)	Advance PHP	- To know & understand concepts of internet programming. - Understand how server-side programming works on the web. - Able to understand how to use PHP Frameworks like (Joomla / Drupal)
SYBBA(C.A.)	CA-405	2019(CBCS)	Project	- Undertake problem identification, formulation and solution. - Understand project characteristics and various stages of project development. - Design solutions to complex problems. - Gain a sound technical



				knowledge of selected project development platforms. ▪ Develop and enhance coding skills.
SYBBA(C.A.)	CA-406	2019(CBCS)	Computer Laboratory Based on 402,404	• Create programs using C++ features like operator overloading, • Apply the concepts of constructor and destructor, inheritance, polymorphism and exception handling. • Relate the concepts of internet programming. • Create websites using PHP
SYBBA(C.A.)	CA-407	2019(CBCS)	Jquery (ADD ON)	▪ To get hands-on experience on JavaScript and jQuery. ▪ Gain knowledge on how to work with binding events in JavaScript. ▪ To learn how to download the jQuery library refer to the Html page. ▪ To learn selecting, traversing the Html elements by name, attribute name, id, or by content. ▪ To learn how to provide effects to the elements or sections in the Html page. ▪ To learn manipulating elements by adding CSS classes dynamically.
TYBBA(C.A.)	CA-501	2019(CBCS)	Cyber Security	▪ Have a good understanding of Cyber Security and the Tools. ▪ To acquire basic information on Cyber Security and Cybercrime. ▪ Have a good



				understanding of Cyber laws. ▪ To develop Cyber forensics awareness. ▪ Identify attacks, security policies and credit card frauds in the mobile and Wireless Computing Era. ▪ Identify attacks, security policies and credit card frauds in the mobile and Wireless Computing Era.
TYBBA(C.A.)	CA-502	2019(CBCS)	Object-Oriented Software Engineering	▪ Able to give Design Specifications for Project. ▪ Acquire Knowledge in Basic Modeling. ▪ Ability to acquire Project Management Skills. ▪ Able to understand the fundamentals of object modeling ▪ Design different UML diagrams. ▪ Improve the software design with design patterns. ▪ To test the software against its requirements specification.
TYBBA(C.A.)	CA-503	2019(CBCS)	Core Java	▪ Able to solve real-world problems using OOP techniques. ▪ Able to solve problems using java collection framework and I/O classes ▪ Develop applets for web applications. ▪ Design GUI-based applications. ▪ Ability to understand the use of file concepts.
TYBBA(C.A.)	CA-504	2019(CBCS)	Mongo DB	▪ Ability to work with



				MongoDB shell and MongoDB tools. ▪ Able to do Schema design, Data modeling, and all sorts of CRUD Operations. ▪ Able to apply various techniques to optimize query performance. ▪ Analyze the data stored in MongoDB.
TYBBA(C.A.)	CA-504	2019(CBCS)	Python	▪ Understand the need and importance of Python language. ▪ Able to learn how to design and implement Python applications. ▪ Design and implement a program to solve a real-world problem ▪ Design and implement GUI application ▪ Gain knowledge of handling the concepts of exceptions and files.
TYBBA(C.A.)	505	2019(CBCS)	(DSE) Project	▪ Undertake problem identification, formulation and solution. ▪ Understand project characteristics and various stages of project development. ▪ Design solutions to complex problems. ▪ Gain a sound technical knowledge of selected project development platforms. ▪ Develop and enhance coding skills.
TYBBA(C.A.)	506	2019(CBCS)	Computer	▪ Define and demonstrate



			Laboratories Based on (503 and 504)	the use of GUI Programming concepts. ▪ Design and implement a program to solve a real-world problem. ▪ Design and implement classes and methods. ▪ Implementation of exception handling using packages. ▪ Define and demonstrate web-based applet applications.
TYBBA(C.A.)	CA-507	2019(CBCS)	Internet of Things (IoT) ADD ON	▪ To explain key technologies, smart objects, IoT Architecture, and security in the Internet of Things. ▪ To illustrate the role of IoT protocols for efficient network communication. ▪ To understand IoT platforms such as Arduino Uno.
TYBBA(C.A.)	CA-601	2019(CBCS)	Recent Trends in IT	▪ Able to understand basic concepts of AI. ▪ To apply basic, intermediate and advanced techniques to mine the data. ▪ To provide an overview of the concept of Spark programming.
TYBBA(C.A.)	CA-602	2019(CBCS)	Software Testing	▪ Acquire knowledge of testing tools. ▪ Understand the basic concepts of SQA. ▪ Able to design and implement the basic Test Cases.



TYBBA(C.A.)	CA-603	2019(CBCS)	Advanced Java	▪ Able to understand the concepts of JDBC Programming, Multithreading and Socket Programming. ▪ Ability to understand the concepts of spring and Hibernate, JSP and JDBC. ▪ Develop applications in spring and hibernate. ▪ Design website by using JDBC and JSP. ▪ Develop different types of Servlet applications. ▪ Develop different types of distributed applications.
TYBBA(C.A.)	CA-604	2019(CBCS)	Android Programming	▪ Able to write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more. ▪ Demonstrate their understanding of the fundamentals of Android operating systems. ▪ Demonstrate their skills in using Android software development tools.
TYBBA(C.A.)	CA-604	2019(CBCS)	Dot Net Framework	▪ Understand the features of Dot Net Framework, VB, C#, and ASP. ▪ Design and develop window-based and web-based .NET applications. ▪ Design and develop a Website. ▪ Design and Implement database connectivity using ADO.NET for VB, C#, and ASP.



TYBBA(C.A.)	CA-605	2019(CBCS)	(DSE) Project	▪ Acquire Project development and management skills. ▪ Able to implement design and coding techniques. ▪ Students will be able to apply test cases and testing techniques in the project.
TYBBA(C.A.)	CA-606	2019(CBCS)	Computer Laboratory Based on 603 and 604	▪ Ability to develop different types of chatting applications by using Socket programming. ▪ Able to develop and design different types of websites. ▪ Able to develop the project by using spring and Hibernate. ▪ To Understand Applications of widgets and components.
TYBBA(C.A.)	CA-607	2019(CBCS)	Soft Skill Training(ADD ON)	▪ Understand the significance and essence of a wide range of soft skills. ▪ Learn how to apply soft skills in the social and professional areas. ▪ Learn how to implement soft skills to improve interpersonal relationships. ▪ Learn how to employ soft skills to enhance employability and ensure workplace and career success.

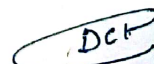


Head

Department of B.B.A. (C.A.)

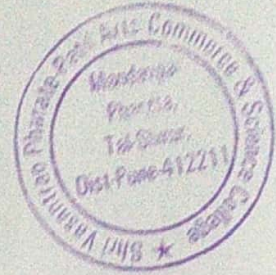
Shri Vasantao Pharate-Patil College
Mandavgan Pharata, Tal. Shirur, Dist: Pune




PRINCIPAL

SHRI VASANTAO PHARATE-PATIL MAHAVIDYALAYA
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Shri Wagheshwar Gramvikas Pratishthan's
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Website-www.svppcollege.com E-Mail-acscollge09@gmail.com

B.Sc. (Computer Science) Program Outcome (POs)

1. Develop the ability to analyze a problem, identify and define the computing requirements, which may be appropriate to its solution.
2. To prepare students to undertake careers involving problem-solving using computer science and technologies.
3. Develop the ability to pursue advanced studies and research in computer science.
4. To produce entrepreneurs who can innovate and develop software products.

Program Specific Outcome:

1. Students will demonstrate proficiency in different computing paradigms needed for a proper understanding of Computer Science.
2. To make students employable according to the current demand of the IT industry and responsible citizens.
3. Ability to apply the knowledge gained during the program from Mathematics, Electronics, Statistics, and Computer Science courses to identify, formulate and
4. solve real-life complex problems faced in the industry.

B.Sc. (Computer Science) Course Outcomes (COs)



Class	Course Code	Syllabus Revised	Title	Course Outcome
F.Y.B.Sc.(C.S.)	CS-101	2019(CBCS)	Problem solving using computer and C programming	Explore algorithmic approaches to problem-solving. Ability to analyze a problem and devise an algorithm to solve it. Able to formulate algorithms, pseudo-codes and flowcharts for arithmetic and logical problems. Ability to implement algorithms in the 'C' language. Develop modular programs using control structures and arrays in 'C'.
F.Y.B.Sc.(C.S.)	CS-102	2019(CBCS)	Database Management Systems	Understand fundamental concepts of database. Understand user requirements and frame them in the data model. Ability in creation, manipulation, and querying of data in databases. Ability to solve real-world problems using the appropriate set, function, and relational models. Ability to design E-R Model for given requirements and convert the same into database tables.
F.Y.B.Sc.(C.S.)	CS-103	2019(CBCS)	Practical	Able to devise pseudo

S.)			Course based on CS-101 and CS-102 (C and DBMS)	code and flowchart for computational problems. Understand how to write, debug and execute simple programs in C. Able to create database tables in Postures SQL. Able to write and execute simple and nested queries
F.Y.B.Sc.(C. S.)	ELC-111	2019(CBCS)	Semiconductor Devices and Basic Electronic Systems	To study various types of semiconductor devices, elementary electronic circuits, and systems. To bridge the gap between theoretical and practical knowledge.
F.Y.B.Sc.(C. S.)	ELC-112	2019(CBCS)	Principles of Digital Electronics	To get familiar with concepts of digital electronics. To study arithmetic circuits, combinational circuits, and sequential circuits.
F.Y.B.Sc.(C. S.)	ELC-113	2019(CBCS)	Electronics Practical Paper – I	To use basic concepts for building various applications in electronics. To understand design procedures of different electronic circuits as per requirement. To build an experimental setup and test the circuits. To develop skills of analyzing test results of given experiments.
F.Y.B.Sc.(C. S.)	MTC-111	2019(CBCS)	Matrix Algebra	Perform basic Matrix operation. Define special matrices; diagonal,

				triangular, and symmetric. Basics of solving systems of linear equations. Understand determinants and their properties. The logic behind writing programs using computer language. Factorization of any square matrix in simpler LU-form.
F.Y.B.Sc.(C.S.)	MTC-112	2019(CBCS)	Discrete Mathematics	Understanding the concepts of discrete mathematics. Learning applications of discrete structures in Computer Science. Express a logic sentence in terms of predicates, quantifiers, and logical connectives. Apply the operations of sets and use Venn diagrams to solve applied problems; solve problems using the principle of inclusion-exclusion. Demonstrate different traversal methods for trees and graphs. Model problems in Computer Science using graphs and trees.
F.Y.B.Sc.(C.S.)	MTC-113	2019(CBCS)	Mathematics Practical	Students will be able to compute matrix calculations using Maxima software. Use appropriate modern technology to explore calculus concepts. Solve applied problems using

				matrices. Solve systems of linear equations by use of the matrix. Students will be able to formulate problems in the language of sets and perform set operations and will be able to apply the Fundamental Principle of Counting, Multiplication Principle.
F.Y.B.Sc.(C.S.)	CSST-111	2019(CBCS)	Descriptive Statistics	The main purpose of descriptive statistics is to provide a summary of the samples and the measures done on a particular study. To provide basic information about variables in a dataset
F.Y.B.Sc.(C.S.)	CSST-112	2019(CBCS)	Mathematical Statistics	It will help students develop skills in thinking and analyzing problems from a probabilistic and statistical point of view. It will provide the difference between Discrete and continuous distributions.
F.Y.B.Sc.(C.S.)	CSST-113	2019(CBCS)	Statistics Practical Paper I	To Study free statistical software's and use them for data analysis in project. To use Statistical tools in MS-Excel.
F.Y.B.Sc.(C.S.)	CS-201	2019(CBCS)	Advanced C programming	Develop advanced concepts of programming using C.

				Develop modular programs using control structures, pointers, arrays, strings, and structures. Design and develop solutions to real-world problems using C. Able to develop a structured programming approach.
F.Y.B.Sc.(C. S.)	CS-202	2019(CBCS)	Relational database Management Systems	Able to acquire knowledge of data security and its importance. Design E-R Model for given requirements and convert the same into database tables. Able to use database techniques such as SQL & PL/SQL. Understand and be able to implement the concept of transactions. Use advanced database Programming concepts.
F.Y.B.Sc.(C. S.)	CS-203	2019(CBCS)	Practical Course based on CS-201 and CS-202(Advanced C and RDBMS)	Write debug and execute programs using advanced features in C. To perform advanced database operations..
F.Y.B.Sc.(C. S.)	ELC-121	2019(CBCS)	Instrumentation System	To study various kinds of Instrument of different Instrumentation System To control the parameter in the process or a particular system. To study smart sensors

				for smart Electronics Applications.
F.Y.B.Sc.(C.S.)	ELC-122	2019(CBCS)	Basics of Computer Organization	To study and design different counters. To study the basics of the computer system. To study Memory Organization.
F.Y.B.Sc.(C.S.)	ELC-123	2019(CBCS)	Electronics Practical Paper – II	To use basic concepts for building various applications in electronics. To understand design procedures of different electronic circuits as per requirement. To build an experimental setup and test the circuits. To develop skills of analyzing test results of given experiments
F.Y.B.Sc.(C.S.)	MTC-121	2019(CBCS)	Linear Algebra	Solve systems of linear equations using various methods including Gaussian and Gauss Jordan elimination and inverse matrices. Perform matrix algebra, invertibility, and transpose and understand vector algebra in R^n . Compute linear transformations, kernel and range, and inverse linear transformations, and find matrices of general linear transformations. Compute inner products on a real vector space

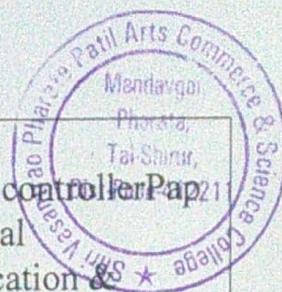
				and compute angle and orthogonally in inner product spaces. Prove basic results in linear algebra using appropriate proof-writing techniques such as linear independence of vectors; properties of subspaces; linearity, injectivity, and surjectivity of functions; and properties of eigenvectors and eigenvalues.
F.Y.B.Sc.(C. S.)	MTC-122	2019(CBCS)	Graph Theory	Explain basic concepts in graph theory. Define how graphs serve as models for many standard problems. Account for the theory of paths and degree of connectedness of graph. Learn the use of a spanning tree. Discuss the concept of the graph, tree, and Euler graph. See the applications of graphs in science, business, and industry. To present a survey of essential topics for computer science students who will encounter some of them again in more advanced courses.
F.Y.B.Sc.(C. S.)	MTC-123	2019(CBCS)	Mathematics Practical	Students will be able to find eigenvalues and eigenvectors using



				Maxima software. Students will be able to perform operations on orthogonally and quadratic forms. Use appropriate modern technology to explore calculus concepts.
F.Y.B.Sc.(C. S.)	CSST-121	2019(CBCS)	Method of Applied Statistics	To create a mathematical model that can be used to predict the values. To Handle large data and analyze it with statistical tools
F.Y.B.Sc.(C. S.)	CSST-122	2019(CBCS)	Continuous Probability Distribution and Testing of Hypothesis	To study the distribution of various data Students should use these techniques for their projects.
F.Y.B.Sc.(C. S.)	CSST-123	2019(CBCS)	Statistics Practical Paper II	How to use statistical tools in a real-life situation. Handling data for research purposes.
S.Y.B.Sc.(C. S.)	CS-231	2020(CBCS)	Data Structures and Algorithms – I	To use well-organized data structures in solving various problems. To differentiate the usage of various structures in problem solutions. Implementing algorithms to solve problems using appropriate data structures
S.Y.B.Sc.(C. S.)	CS-232	2020(CBCS)	Software Engineering	Compare and chose a process model for a software project development. Identify requirements analyze and prepare models.

				Prepare the SRS, Design document, Project plan of a given software system.
S.Y.B.Sc.(C.S.)	CS-233	2020(CBCS)	3 Practical course on CS 231 (Data Structures and Algorithms I) and CS 232 (Software Engineering)	Use the appropriate data structure in the context of the solution of the given problem. Develop programming skills which require to solve given problems. Able to implement different data structures. Describe the problem definition, Scope of the proposed system. Able to identify the requirement of the project. Draw UML diagrams Apply their knowledge and understanding with a professional approach.
S.Y.B.Sc.(C.S.)	ELC-231	2020(CBCS)	Paper I: Microcontroller Architecture & Programming	Able to write programs for 8051 microcontroller To study the basic instruction set of 8051 microcontroller To interface I/O peripherals to 8051 microcontroller To design small microcontroller based projects To study the Programming of 8051 microcontroller To study the interfacing techniques of 8051 microcontroller To design different application systems

				using 8051 microcontroller er II: Digital Communication & Networking
S.Y.B.Sc.(C. S.)	ELC- 232	2020(CBCS)	Paper II: Digital Communication & Networking	On completion of the course, students will be able to Understand various concepts involved in the process of communication Define and explain terminologies of data communication. Understand the impact & limitations of various digital modulation techniques To acknowledge the need for spread spectrum schemes. Identify functions of the data link layer and network layer while accessing communication links. To choose appropriate and advanced techniques to build the computer network.
S.Y.B.Sc.(C. S.)	ELC- 233	2020(CBCS)	Paper III, Practical Course I	Can design and build his/her microcontroller-based projects. Able to design and analyze problem-based solutions. Acquire skills in Embedded C programming. Get knowledge of multiplexing and modulation techniques



				useful in developing a wireless application. Can build and test own network and do settings. Can handle LAN network connections. Understand how PCs can be connected using LAN. Able to check the IP and MAC addresses of the machine.
S.Y.B.Sc.(C.S.)	MTC-231	2020(CBCS)	Groups and Coding Theory	Group theory is one of the great simplifying and unifying ideas in modern mathematics. It was introduced to understand the solutions to polynomial equations. A mathematical formulation of symmetry has been understood. By Euclid's algorithm find GCD of numbers. We will analyze the structure of 'small' finite groups, and examine examples arising as groups of permutations of a set and groups of matrices. Application of group theory i.e. coding theory.
S.Y.B.Sc.(C.S.)	MTC-232	2020(CBCS)	Numerical Techniques	Demonstrate understanding of common numerical methods and how they are used to obtain approximate solutions to otherwise intractable mathematical problems. Apply numerical

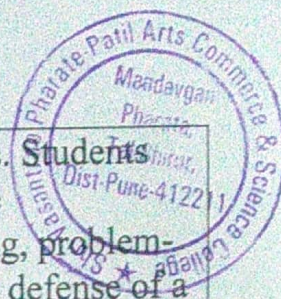
				methods to obtain approximate solutions to mathematical problems. Derive numerical methods for various mathematical operations and tasks, such as interpolation, differentiation, integration, the solution of linear and nonlinear equations, and the solution of differential equations. Analyze and evaluate the accuracy of common numerical methods
S.Y.B.Sc.(C.S.)	MTC-233	2020(CBCS)	Mathematics Practical: Python Programming Language-	To provide Basic knowledge of Python. Python programming is intended for software engineers, system analysts, program managers, and user support personnel who wish to learn the Python programming language. Use of lists, tuples, strings, and dictionaries in Python programs. Identify Python object types. Learn matrix operations under simply module. Find the root of the equation by using Newton's Rap son method and Regular False Method, Trapezoidal rule,

				Simpson's (1/3)rd rule, Simpson's (2/8)th rule
S.Y.B.Sc.(C.S.)	ENGLISH	2020(CBCS)	(Ability Enhancement Course-AEC)	Competency to appreciate and analyze short stories and poetry. Learning the use of multimedia Improvement speaking skills in various contexts Improvement writing skills in different contexts. Enhancement of skills required for placement. See
S.Y.B.Sc.(C.S.)	CS-241	2020(CBCS)	Data Structures and Algorithms – I	Implementation of different data structures efficiently. Usage of well-organized data structures to handle a large amount of data. Usage of appropriate data structures for problem-solving.
S.Y.B.Sc.(C.S.)	CS-242	2020(CBCS)	Computer Networks-I	Computer Networks-I
S.Y.B.Sc.(C.S.)	CS-243	2020(CBCS)	Practical course on CS 241(Data Structures and Algorithms II)	Discuss graph structure and understand various operations on graphs and their applicability. Implement various tree traversal techniques and Graph techniques. Get practical knowledge on the applications of data structures. Understand how PCs can be connected using LAN Understand the function of the router. Able to

				check the IP address of the machine
S.Y.B.Sc.(C.S.)	LC-241	2020(CBCS)	Paper I: Embedded System Design	Understand the difference between general computing and embedded systems. Get knowledge of the fundamentals of embedded systems. Understand the use of a Single-board Computer for an embedded system application. Will be familiar with the programming environment to develop embedded systems and their interfaces with peripheral devices. Able to develop familiarity with tools used to develop in an embedded environment Able to design own application-based embedded system.
S.Y.B.Sc.(C.S.)	LC-242	2020(CBCS)	Paper II: Wireless Communication and Internet of Things	Know working of wireless technologies such as Mobile communication, GSM, GPRS Become familiar with 3G and 4G Cellular Network Technologies for Data Connections. Understand working principles of short range communication application Get introduce to upcoming technology of Internet of

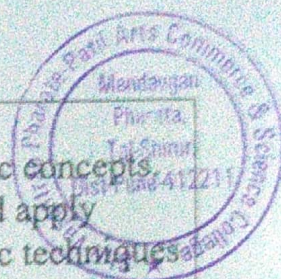
				Things Explore themselves and develop new IoT based applications
S.Y.B.Sc.(C.S.)	LC-243	2020(CBCS)	: Paper III, Practical Course I	Able to design and develop own smart applications using Raspberry-Pi write Python program for simple applications Able to build own IoT based system Get knowledge about how to connect PC with Raspberry-Pi Able to design and analyze problem-based solutions using Raspberry-Pi
S.Y.B.Sc.(C.S.)	MTC-241	2020(CBCS)	Computational Geometry	In 2D & 3D, We learn Scaling, Shearing, reflection and rotation transformation. Projection, Bezier's curve Students will get acquainted with the typical problems of computational geometry. Constructs linear programming model. The student will understand the existing solutions and their applications in computer graphics and machine vision. Students will get a deeper knowledge of mathematics. Students will learn the principles of geometric algebra including its application in graphics and vision-

				related tasks. Students will practice programming, problem-solving, and defense of a small project.
S.Y.B.Sc.(C.S.)	MTC-242	2020(CBCS)	Operations Research	Construct linear integer programming models and discuss the solution techniques. Set up decision models and use some solution methods for nonlinear optimization problems. Solve multi-level decision problems using the dynamic programming method. Formulate pure, mixed, and binary integer programming models. Formulate the nonlinear programming models. Constructs linear programming model.
S.Y.B.Sc.(C.S.)	MTC-243	2020(CBCS)	Mathematics Practical: Python Programming Language-I	How to draw 2D and 3D graphs by using various commands of the graph. Solve examples of linear entities. Representing polygons in python. Various attributes of the polygon. Transformation of a point. Linear Programming in Python. Transportation Problem.
S.Y.B.Sc.(C.S.)	Language Communication -II	2020(CBCS)	(Ability Enhancement Course-AECC-II)	Competency to appreciate and analyze short stories and poetry. Understanding the meaning and apt use of

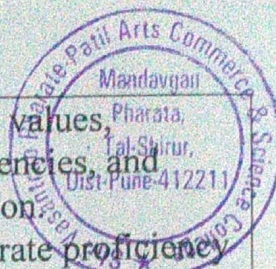


				various soft skills Understanding of the existing communicative skills of the students and the skills they require at the professional level. Improved technical writing skills in different context
T.Y.B.Sc.(C. S.)	CS-351	2021(CBCS)	Operating Systems – I	Understanding the purpose, functions, and Structure of the operating system. Understand Processes and Thread Scheduling by the operating system. Understand process scheduling algorithms and synchronization techniques to achieve better performance of a computer system. Understand Memory management by the operating system with the help of various schemes like Paging and segmentation.
T.Y.B.Sc.(C. S.)	CS-352	2021(CBCS)	Computer Networks – II	Study and understand the various protocols of the Application layer. Develop an understanding of a technical aspect of Multimedia Systems Develop various Multimedia Systems applicable in real-time. Identify information security goals and

				understand cryptographic concepts. Compare and apply cryptographic techniques for data security.
T.Y.B.Sc.(C.S.)	CS-357	2021(CBCS)	Practical course based on CS 351	Demonstrate operation of the process like the creation of child process. Demonstrate shell commands and some user-defined commands. Demonstrate the concept of the zombie / Orphan process. Implement CPU Scheduling Algorithm and Page replacement Algorithm.
T.Y.B.Sc.(C.S.)	CS-353	2021(CBCS)	Web Technologies – I	Understand how to develop a dynamic and interactive Web site. Understand the use of programming constructs. Enhance the designing aspects of the webpage. Understand how to handle different databases.
T.Y.B.Sc.(C.S.)	CS-354	2021(CBCS)	4: Foundations of Data Science	Understand the process of Data Science. Understand the importance of data analysis using the statistical method in different fields. Under the process of data analysis. Detection of common data issues, like missing values, special values, outliers,



				duplicate values, inconsistencies, and localization. Demonstrate proficiency with statistical analysis of data. Present results using data visualization techniques. Able to prepare data for use with a variety of statistical methods and models. Recognize how the quality of the data and the means of data collection may affect conclusions
T.Y.B.Sc.(C.S.)	CS-358	2021(CBCS)	Practical course based on CS 353 and CS 354	Understand how to develop dynamic and interactive Web Page. Able to analyze, design, and develop different problems depends upon the situation. Prepare data for use with a variety of statistical methods and recognize how the quality of the data may affect conclusions. Perform exploratory data analysis. To create and manipulate own data set. Demonstrate statistical libraries and packages in Python. Get introduced to various Python programming tools like IDLE, Command line, Online tools like Google Colaboratory, etc. Apply



				data visualization tools on various data sets
T.Y.B.Sc.(C.S.)	CS-355	2021(CBCS)	Object-Oriented Programming using Java - I	Understand the concept of Object-Oriented Programming such as classes, objects, packages, and Collections. Develop Web-based applications and GUI-based Applications. Develop event-driven Applications
T.Y.B.Sc.(C.S.)	CS-356	2021(CBCS)	Theoretical Computer Science	Understand pattern reorganization of Finite Automata. Understand the use of automata during language design. Relate various automata and Languages.
T.Y.B.Sc.(C.S.)	CS-359	2021(CBCS)	Practical Course based on CS 355	Use an integrated development environment to write, compile, run, and test simple object oriented Java programs. Develop real-world applications using Java programs. Develop error-free applications with proper validation.
T.Y.B.Sc.(C.S.)	CS-3510	2021(CBCS)	Python Programming	Develop logic for problem-solving. Understand methods to build Python programs by using data structures like lists, dictionaries, tuples, and sets. To be familiar with the basic

				programming constructs like data, operations, conditions, loops, functions, etc. Design and perform python programs to develop small applications
T.Y.B.Sc.(C. S.)	CS-3511	2021(CBCS)	Blockchain Technology	Understand the fundamentals of Blockchain Technology. Learn Blockchain programming using Python. Acquire basic knowledge of Smart Contracts and how they function
T.Y.B.Sc.(C. S.)	CS-361	2021(CBCS)	Operating Systems – II	Management of deadlocks and File systems by the operating system. Scheduling storage or disk for processes. Distributed Operating System and its architecture and the extended features in mobile OS
T.Y.B.Sc.(C. S.)	CS-362	2021(CBCS)	Software Testing	Understand different software testing strategies and methods. Understand different approaches and levels of testing. Understand the testing life cycle and its implementation. Identify defects and debugging process. Design test cases and test plans
T.Y.B.Sc.(C. S.)	CS-367	2021(CBCS)	Practical course based on CS 361	Management of deadlocks by the operating system using



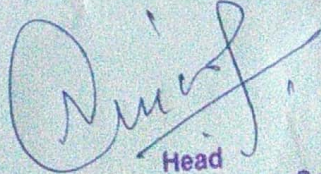
				banker's algorithm. Demonstrate concepts of file system management its allocation, and free space management. Able to implement Disk space management process and scheduling for processes. Able to implement concepts of mobile Operating System.
T.Y.B.Sc.(C.S.)	CS-363	2021(CBCS)	Web Technologies – I	Build a dynamic website. Using MVC based framework easy to design and handle the errors in a dynamic website
T.Y.B.Sc.(C.S.)	CS-364	2021(CBCS)	Data Analytics	Use appropriate models of analysis, assess the quality of input, and derive insights from results. Analyze data, choose appropriate models and algorithms for respective applications. Understand the variety of data mining techniques such as classification, prediction, clustering, and association rule mining. Apply modeling and data analysis techniques to the solution of real-world business problems.
T.Y.B.Sc.(C.S.)	CS-368	2021(CBCS)	Practical course based on CS 363 and CS 36	Build a dynamic website. Using MVC based framework easy to design and handle the

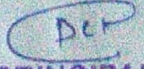


				errors in a dynamic website. Design and develop models for data analysis using various data mining techniques. Perform text analysis and sentiment analysis
T.Y.B.Sc.(C.S.)	CS-365	2021(CBCS)	Object-Oriented Programming using Java - II	Develop the Java database application using Java DataBase Connectivity (JDBC). Create and execute multiple processes simultaneously using multithreading. Understand and Create dynamic web pages, using Servlets and JSP. Work with basics of framework to develop secure web applications.
T.Y.B.Sc.(C.S.)	CS-366	2021(CBCS)	Compiler Construction	Understand the process of scanning and parsing source code. Understand compare the various methods of parsing. Learn the conversion code written in the source language to machine language. Understand tools like LEX and YACC.
T.Y.B.Sc.(C.S.)	CS-369	2021(CBCS)	69: Practical Course based on CS 365	To Learn database Programming using Java. Understand and create dynamic web pages using Servlets and JSP. Work with basics of framework to develop secure web applications.

T.Y.B.Sc.(C.S.)	CS-3610	2021(CBCS)	Software Testing Tools	Identify and manage defects. Implement the defect management process. Understand software metrics and thereby improve the quality of software. Design test cases and test plans, review reports of testing for qualitative software. Understand the latest testing tools used in the software industries
T.Y.B.Sc.(C.S.)	CS-3611	2021(CBCS)	Projec	Undertake problem identification, formulation, and solution. Understand project characteristics and various stages of project development. Design solutions to complex problems. Gain a sound technical knowledge of selected project development platforms. Develop and enhance coding skills




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