



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College Vashi, Navi Mumbai
(Autonomous)

Value added/Certificate courses 2020-21

Sr. No	Name of the value-added courses (with 30 or more contact hours) offered	Name of the offering department / Committee/Platform	Duration of course (in hours)	Number of beneficiaries	Outcomes/Impact
1	MICROSOFT EXCEL AND ADVANCED EXCEL	MATHEMATICS	30 HOUR	23	Empowers students to leverage the advanced features and functionalities of Excel to improve productivity, perform complex data analysis, and create professional-grade reports and models for various business applications.
2	STOCK MARKET AND INVESTMENT MANAGEMENT	ECONOMICS	30 HOUR	43	Students gain a comprehensive understanding of financial markets, investment strategies, and portfolio management techniques, equipping them with the skills to make informed investment decisions in various market conditions.
3	ADVANCED PYTHON	COMPUTER SCIENCE	30 HOUR	24	Students gain a strong understanding of Python programming language fundamentals, including syntax, data types, control structures, functions, and object-oriented programming (OOP) concepts.
4	DATA SCIENCE USING R	COMPUTER SCIENCE	40 HOUR	28	Students gain proficiency in statistical analysis, data manipulation, and visualization using the R programming language.

5	WEALTH MANGEMENT AND FINANCIAL PLANNING	BAF	30 HOUR	41	Students gain expertise in various aspects of personal finance, investment strategies, risk management, retirement planning, tax optimization, and estate planning.
6	SPOKEN ENGLISH	ENGLISH	30 HOUR	31	They gain confidence in expressing themselves effectively in various social and professional settings, enhancing their ability to interact and communicate with others in English-speaking environments.
7	FORENSIC SCIENCE	CHEMISTRY	30 HOUR	23	Students gain knowledge and skills in the application of scientific principles and techniques to analyze physical evidence in legal investigations.
8	SOFT SKILL	BBI	30 HOUR	33	Develop emotional intelligence, adaptability, teamwork, and resilience, which are essential for success in diverse personal and professional environment.
9	ADVANCE EXCEL	COMMERCE	50 HOUR	29	Empowers students to leverage the advanced features and functionalities of Excel to improve productivity, perform complex data analysis, and create professional-grade reports and models for various business applications.
10	IMPORT EXPORT DOCUMENTATION	COMMERCE	30 HOUR	27	Students learn about documentation requirements, customs regulations, import/export licensing, shipping procedures, and trade finance.
11	GST	COMMERCE	30 HOUR	40	Learn about GST registration, filing returns, compliance requirements, input tax credit, and GST accounting.
12	VBA	COMMERCE	50 HOUR	15	Students gain proficiency in automating tasks and building custom applications within Microsoft Office programs such as Excel, Word, and Access.

13	TALLY	COMMERCE	50 HOUR	41	Equips them with the skills to efficiently manage accounting tasks, ensure compliance with taxation laws, and make informed financial decisions for businesses and organizations.
14	FOOD SCIENCE AND NUTRITION	BIOTECHNOLOGY	60 HOUR	59	Students gain knowledge and skills related to the composition, processing, safety, and nutritional value of food.
15	PYTHON PROGRAMMING AND ITS APPLICATIONS	INFORMATION TECHNOLOGY	40 HOUR	70	Students gain a strong understanding of Python programming language fundamentals, including syntax, data types, control structures, functions, and object-oriented programming (OOP) concepts.
16	CAMPUS TO CORPORATE	MICROBIOLOGY	30 HOUR	31	Acquire essential skills and knowledge necessary for transitioning from an academic environment to a professional corporate setting.
17	ADVANCE INSTRUMENTATION	MICROBIOLOGY	30 HOUR	24	Equips them with the knowledge and skills necessary to design, develop, and optimize complex instrumentation systems for various applications in industries such as manufacturing, aerospace, automotive, healthcare, and research.
18	SOLAR ENERGY AND ITS COVERSATION	PHYSICS	30 HOUR	9	Students gain comprehensive knowledge of solar energy technologies, principles, and applications.
19	MICROPROCESSOR 8085: ARCHITECTURE AND ASSEMBLY LANGUAGE	PHYSICS	30 HOUR	18	Deep understanding of the architecture, operation, and programming of the Intel 8085 microprocessor.
20	SQL DEVELOPERS	PHYSICS	30 HOUR	22	Students gain knowledge of database design principles, normalization, indexing, and performance optimization techniques.

21	TEXT MINING AND ANALYTICS	COURSERA	33 HOUR	3	Acquire skills in visualizing textual data, interpreting results, and deriving actionable insights for decision-making.
22	APPLIED MACHINE LEARNING IN PYTHON	COURSERA	31 HOUR	3	Equips them to solve a wide range of problems such as classification, regression, clustering, and recommendation systems using state-of-the-art machine learning techniques, empowering them to make data-driven decisions and drive innovation in various domains.
23	INTRODUCTION TO CALCULUS	COURSERA	58 HOUR	13	Apply calculus techniques to analyze and solve problems related to rates of change, optimization, and accumulation.
24	PARTICLE PHYSICS: AN INTRODUCTION	COURSERA	40 HOUR	7	Explore topics such as the Standard Model of particle physics, quantum field theory, and the search for new physics beyond the Standard Model.
25	ESSENTIALS OF GLOBAL HEALTH	COURSERA	70 HOUR	4	Learn about global health disparities, determinants of health, healthcare systems, infectious diseases, non-communicable diseases, and global health governance.
26	FINANCIAL MARKETS	COURSERA	33 HOUR	78	Explore the role of financial institutions, regulatory frameworks, and macroeconomic factors influencing financial markets.
27	INTRODUCTION TO SOFTWARE TESTING	COURSERA	30 HOUR	85	Equips them with the ability to identify, prioritize, and execute test cases effectively to ensure the quality, reliability, and functionality of software applications.
28	THE ARTS AND SCIENCE OF RELATIONSHIPS: UNDERSTANDING HUMAN NEEDS	COURSERA	31 HOUR	14	Students gain insight into the complexities of human relationships and the underlying psychological principles that drive them.

29	FROM THE BIG BANG TO DARK ENERGY	COURSERA	31 HOUR	18	Students learn about key astronomical phenomena and observations that have shaped our understanding of the universe's origins and evolution.
30	HTML, CSS, AND JAVASCRIPT FOR WEB DEVELOPERS	COURSERA	40 HOUR	25	Equips them with the skills necessary to create modern and engaging web applications, websites, and user interfaces, making them valuable assets in the field of web development.

Total number of students completed the courses : 939