

Vidnyan Mahavidhyalaya Sangola
Department of Computer Science
Teaching Plan

Teacher Name: Mr.Shaikh N.S

Academic Year :2019-20

Class	Subject	July	August
BCA-I	Office Automation	<p><u>Introduction to Computer:</u> Applications of Computer, Advantages of Computer, Characteristics of Computer, Hardware & Software.</p> <p><u>Windows:</u> <u>MS Word:</u> Formatting Documents: Setting Page style: Creating Tables:- Drawing: Inserting Clip Arts, Pictures/Files etc. Tools: MS Excel:</p>	<p><u>MS Access:</u> <u>Introduction, Planning a Database, Starting Access, Access Screen, Creating a New Database, Creating Tables, Working with Forms, Creating queries, Finding Information in Databases, Creating Reports, Types of Reports, Printing & Print</u> <u>Preview – Importing data from other databases viz. MS Excel etc.</u></p>
BCA-II	Financial Accounting with Tally	<p><u>Introduction to Book-keeping and Accountancy-</u> Definition and Objectives, Importance of Book-keeping, Difference between Book-keeping and Accountancy, Definition of Accountancy, Basis of Accounting System, characteristics of accounting information, Basic Accounting Terminologies,</p>	<p><u>Fundamentals of Double Entry Book-keeping- I</u> Journal- Importance and Utility of Accounting Documents, Definition, Importance and Utility of Journal, Specimen of Journal, Recording of Journal entries with GST. Ledger- Definition and Importance of Ledger, Specimen of Ledger, Posting of entries from Journal/Subsidiary Books to</p>

BCA-II	Ethics and Cyber law	<p><u>Introduction to Cybercrime:</u> what is Cybercrime, Categories of Cybercrime Classifications of Security attacks (Passive Attacks and Active Attacks), Essential Terminology. E-Mail Spoofing, Spamming, Cyber defamation, Internet Time Theft, Newsgroup Spam/Crimes from Usenet Newsgroup, Industrial Spying/Industrial Espionage, Hacking, Online Frauds, Pornographic Offenses, Software Piracy, Password Sniffing, Credit Card Frauds and Identity Theft. Cyber offenses:</p>	<p>Cyber Law: Introduction, Information Technology Act-2000, Introduction to Ethical Hacking: What is Hacking, Types of Hackers, Reasons for Hacking, Effects of Computer Hacking on an organization.</p> <p>Foot Printing: What is Foot Printing, Objectives of Foot Printing, Finding a company's details, Finding a company's domain name,</p> <p>Types of Attacks</p> <p>- phishing, key loggers, backdoor access, password cracking, data stolen, data deleted virus attack.</p>
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Class	Subject	September	October
BCA-III	Recent Trends in IT	<p>GREEN IT INTRODUCTION Environmental Impacts of IT, Holistic Approach to Greening IT, Green</p> <p>BIG DATA AND HADOOP 1: Introduction to Big Data Topics - What is Big Data and where it is produced? Rise of Big Data, Compare Hadoop vs traditional systems, Limitations and Solutions of existing Data Analytics Architecture, Attributes of Big Data,</p>	<p><u>DATA SCIENCE</u> <u>Definition, working, benefits and uses of Data Science, Data science vs BI, The data science process, Role of a Data Scientist, Populations and samples, Statistical modeling, probability distributions.</u></p> <p>MACHINE LEARNING INTRODUCTION TO MACHINE LEARNING Why Machine learning, Examples of Machine Learning Problems, Structure of Learning, Learning versus Designing, Training versus Testing, Characteristics of</p>

		Types of data, other technologies vs Big Data	Machine learning tasks, Predictive and descriptive tasks, Features: Feature types, Feature Construction and Transformation, Feature Selection. CLOUD COMPUTING INTRODUCTION TO CLOUD COMPUTING .
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Teacher Name & Signature

Head of Department

