ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+ 'Grade by NAAC(CGPA:3.68/4.00)
College with Potential for Excellence by UGC
DST-FIST Supported & STAR College Scheme by DBT

Faculty of Science

Bachelor of Business Administration

BBA I Semester

Paper-Elective

Basics of Artificial Intelligence

Course Outcomes

CO. No.	Course Outcomes	Cognitive Level
CO 1	To Understand the basic structure, operation, and characteristics of digital computer	U
CO 2	To understand the concept of office automation.	U
CO 3	To understand the basic concepts of various application software.	U, Analyze
CO 4	To study various methods of formatting of documentation.	Apply
CO 5	To learn the different search strategies in AI	Apply
CO 6	To know about the various applications of AI.	Apply

Credit and Marking Scheme

	Credits	Marks		Total Marks
		Internal	External	
Theory	3	40	60	**100**
Practical	1	40	60	**100**
Total	**4**	**200**		

Evaluation Scheme

	Marks	
	Internal	External
Theory	3 Internal Exams of 20 Marks (During the Semester) (Best 2 will be taken)	1 External Exams (At the End of Semester)
Practical	3 Internal Exams (During the Semester) (Best 2 will be taken)	1 External Exams (At the End of Semester)

ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+ 'Grade by NAAC(CGPA:3.68/4.00)
College with Potential for Excellence by UGC
DST-FIST Supported & STAR College Scheme by DBT

BBA I Semester **Paper-Elective**

Basics of Artificial Intelligence

Content of the Course

Theory

Total No. of Lectures: 60 Hrs. **Maximum Marks:** 60

Units	Topics	No. of Lectures
I	Fundamentals of Computer – Definition, Characteristics, Block Diagram of a Computer, Input devices - Output Devices- Keyboard, Scanner, Mouse, light pen, Bar Code Reader, OMR, OCR, MICR, Printers- types of Printer, Monitors, Plotters-types of plotters, Computer Memory- Types of Memory. BASICS OF MS WORD : Creating word documents: applying fonts and font styles in Word, Aligning and formatting; finding and replacing texts spelling and grammar, print using print preview, changing page orientation and paper size, aligning text vertically, setting margins , printing options .Creating headers and footers, creating tables.	15
II	BASIC OF MS Excel: Workbook and Worksheets, Entering Text and Numbers, Creating Formulae, Changing Worksheet Layout: Adjusting Column Width and Row Height, Inserting and Deleting Rows and Columns, Naming Worksheet, Inserting and Deleting Worksheets, Aligning Text, Border, and Color. BASIC OF POWERPOINT PRESENTATION: Introduction of MS PowerPoint, Creating a Basic Presentation using templates, themes Building Presentations, Modifying Visual Elements, Formatting and Checking Text, Adding Objects, Applying Transitions, Animation Effects , Linking, custom slide show.	15
III	AI problems, foundation of AI and history of AI intelligent agents: Agents and Environments, the concept of rationality, the nature of environments, the structure of agents, problem-solving agents, problem formulation. SOFTWARE AGENTS Architecture for Intelligent Agents – Agent communication – Negotiation and Bargaining – Argumentation among Agents – Trust and Reputation in Multi-agent systems. APPLICATIONS AI applications – Language Models – Information Retrieval- Information Extraction – Natural Language Processing – Machine Translation – Speech Recognition – Robot – Hardware – Perception – Planning – Moving.	15
IV	Tableau and its Importance in Data Visualization? Tableau Installation Guide, Tableau Drivers – Download and Connect , Tableau – Navigation , Start Page in Tableau , Tableau – Design Flow , Tableau – File System , Tableau – Data Types , What is Tableau AI ? Introduction To Tableau Business Science	15

ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+ 'Grade by NAAC(CGPA:3.68/4.00)
College with Potential for Excellence by UGC
DST-FIST Supported & STAR College Scheme by DBT

BBA I Semester **Paper-Elective**

Basics of Artificial Intelligence

References

Text Books:

- S. Russel and P. Norvig, "Artificial Intelligence – A Modern Approach", Second Edition, Pearson Education
- David Poole, Alan Mackworth, Randy Goebel, "Computational Intelligence : a logical approach", Oxford University Press.

Reference Books:

- G. Luger, "Artificial Intelligence: Structures and Strategies for complex problem solving", Fourth Edition, Pearson Education.
- J. Nilsson, "Artificial Intelligence: A new Synthesis", Elsevier Publishers.

ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+ 'Grade by NAAC(CGPA:3.68/4.00)
College with Potential for Excellence by UGC
DST-FIST Supported & STAR College Scheme by DBT

List of Practical

1. Create a letter of appreciation for the Top 10 students who have scored good academic marks using Mail Merge in MS- Word.
2. Create a hyperlink in MS -Word.
3. Create a bookmark and cross–reference in MS Word.
4. Create a marksheet in Excel and calculate the percentage.
5. Create a bar graph of your marks in 5 subjects.
6. Perform the following functions- SUM, AVG, MAX, MIN,COUNT on any random data.
7. Create a 5 slide PPT on your college and apply transition and animation effects.
8. Create a 3 slides presentation on Environment and insert any two of these (smartArt, object ,audio, video)in it.
9. Create a pivot table of the students marks obtained in five subjects .
10. Create a Powerpoint presentation for College Assembly.

.