As per the NEP 2020
(Effective from Academic Year 2024-2025 onwards)

# VALUE ADDED COURSES

For Under-Graduate Programme

## Semester-I

# Faculty of Arts/Commerce/Science

**Pandit Deendayal Upadhyaya Shekhawati University**
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# VALUE ADDED COURSES

## (CBCS) As per the NEP 2020 (Semester I to IV)
## w.e.f. the Academic Session 2024-25
## (Select any one from in each semester)

### Semester-I

| Semester | Course title | | | Credit distribution of the course | | | Eligibility criteria |
|---|---|---|---|---|---|---|---|
| | | Credits | Course Code | Lecture | Tutorial | Practical/ Practice | |
| I | Monuments of Rajasthan: General Overview | DSC (2) | 24BVC5101T | 2 | 0 | 0 | 10+2 from any recognized Board |
| I | Data Analytics for Financial Decision-Making | DSC (2) | 24BVC5102T | 2 | 0 | 0 | |
| I | Vedic Mathematics- I | DSC(2) | 24BVC5103T | 2 | 0 | 0 | |
| I | Women Empowerment | DSC (2) | 24BVC5104T | 2 | 0 | 0 | |
| I | Sustainability & ISO Certification | DSC(2) | 24BVC5105 | 2 | 0 | 0 | |

### Semester-II

| Semester | Course title | | | Credit distribution of the course | | | Eligibility criteria |
|---|---|---|---|---|---|---|---|
| | | Credits | Course Code | Lecture | Tutorial | Practical/ Practice | |
| II | Personality Development | DSC (2) | 24BVC5201T | 2 | 0 | 0 | 10+2 from any recognized Board |
| II | Swachh Bharat | DSC (2) | 24BVC5202T | 2 | 0 | 0 | |
| II | Psychology for Everyday Living | DSC(2) | 24BVC5203T | 2 | 0 | 0 | |
| II | National Cadet Core (NCC) | DSC (2) | 24BVC5204T | 2 | 0 | 0 | |

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# Semester-IV

| Semester | Course title | Credits | Course Code | Credit distribution of the course | | | Eligibility criteria |
|---|---|---|---|---|---|---|---|
| | | | | Lecture | Tutorial | Practical/ Practice | |
| III | Ayurveda and Nutrition | DSC (2) | 24BVC6401T | 2 | 0 | 0 | 10+2 from any recognized Board |
| III | Constitutional Values And Fundamental Duties | DSC (2) | 24BVC6402T | 2 | 0 | 0 | |
| III | Culture and Communication | DSC(2) | 24BVC6403T | 2 | 0 | 0 | |
| III | Digital Empowerment | DSC (2) | 24BVC6404T | 2 | 0 | 0 | |

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## (CBCS) As per the NEP 2020 (Semester I to IV)
## w.e.f. the Academic Session 2024-25
# Semester-I

# VALUE ADDED COURSES

| Semester | Course title | Credits | Course Code | Credit distribution of the course | | | Eligibility criteria |
|---|---|---|---|---|---|---|---|
| | | | | Lecture | Tutorial | Practical/ Practice | |
| I | Monuments of Rajasthan: General Overview | DSC (2) | 24BVC5101T | 2 | 0 | 0 | 10+2 from any recognized Board |
| | | | OR | | | | |
| I | Data Analytics for Financial Decision-Making | DSC (2) | 24BVC5102T | 2 | 0 | 0 | |
| | | | OR | | | | |
| I | Vedic Mathematics- I | DSC(2) | 24BVC5103T | 2 | 0 | 0 | |
| | | | OR | | | | |
| I | Women Empowerment | DSC (2) | 24BVC5104T | 2 | 0 | 0 | |
| I | Sustainability & ISO Certification | DSC(2) | 24BVC5105 | 2 | 0 | 0 | |

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# VALUE ADDED COURSES

## Monuments of Rajasthan: General Overview

### SYLLABUS

**Course Outcome** – Upon successful completion of course students will have knowledge and skills to:

1. Enhance his/her ability to discern the nature of the cultural heritage of the nation. Contextualise his/her country's history of heritage representation, to effectively comprehend the present.
2. Draw inference from different aspects of tourism, its varieties and be sensitive to the impact of tourism in different geographical areas with specific local sensibilities, thus making a case for sustainable tourism.
3. Equip himself/herself with theoretical knowledge of heritage and tourism of Rajasthan.

| Course Title: | Monuments of Rajasthan: General Overview | Course Code: 24BVC5101T |
|---|---|---|
| **Total Lecture hour 26** | | |
| **Unit I** | • Forts and Fortified towns: Jaisalmer,Chittor, Ranthambor, Kumbhalgarh, etc. | **Hours** 7 |
| **Unit II** | • Havellis of Shekhawati, Jaisalmer<br>• Hawamahal, Kiritstambha, Jaistambha. | 7 |
| **Unit III** | • Religious Monuments: Temples – Osian, Dilwara, Kiradu, Ranakpur, Kumbhashyam Temple. | 6 |
| **Unit IV** | • Waterwells and Stepwells of Rajasthan: Wells of Jhunjhunu and Chand Baori of Abhaneri and Raniji ki Baori<br>• Dam Architecture: Rajsamand, Jaisamand; | 6 |

**Reference and Reading Books:**


1. Singh, C. (n.d.). "Protected Monuments of Rajasthan".
2. Singh, C. (n.d.). "Art Treasures of Rajasthan" (Vol. 1). Jaipur, India: Jawahar Kala Kendra & Publication Scheme.
3. Jain, K. C. (1972). "Ancient Cities & Towns of Rajasthan". Delhi, India.
4. Mishra, R. L. (n.d.). "Forts of Rajasthan".
5. Mishra, R. L. "Saga of Forts & Fortification of Rajasthan".
6. Mishra, R. L. "Cenotaphs of Rajasthan".
7. Somani, R. V. (1996). "Temples of Rajasthan".


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# VALUE ADDED COURSE

## Data Analytics for Financial Decision-Making

### Course Objectives

- To enable students to understand the various types of financial data, such as balance sheets, income statements, and cash flow statements, and how they are used in financial decision-making.
- To provide knowledge and skills in building predictive models for financial forecasting and risk assessment, such as predicting stock prices, credit risk, or market trends.
- To enable students to use data analytics to assess and manage financial risks, including market risk, credit risk, and operational risk.

### Course Outcomes

- Students will be able to make more informed financial decisions by leveraging data and analytics.
- The students will develop strong analytical skills that are valuable in various financial roles.
- The students will be equipped to identify and manage financial risks effectively.
- They will be able to optimize investment portfolios to achieve better returns.

| **Course Title:** | **Data Analytics for Financial Decision-Making** | **Course Code: 24BVC5102 T** |
|---|---|---|
| **Total Lecture hour: 26** | | |
| | | **Hours** |
| **Unit I** | • Introduction to Data Analytics in Finance, Overview of data analytics in financial decision making, Importance of data-driven decisions in finance. | 7 |
| **Unit II** | • Time series analysis for financial data, Correlation and regression analysis, Linear and logistic regression for financial forecasting, Time series forecasting (ARIMA, GARCH), Portfolio optimization techniques | 7 |
| **Unit III** | • Introduction to tools and software, Basic data manipulation and analysis. | 6 |
| **Unit IV** | • Sources of financial data (market data, company reports, etc.)<br>• Data collection techniques. | 6 |
| **Reference and Reading Books:** | | |
| | 1. Data Analytics Using Excel® Microsoft® 365: With Accounting and Finance Datasets, Version 3.0 By Joseph M. Manzo<br>2. Big Data, Big Analytics: Emerging Business Intelligence and Analytic Trends for Today's Businesses (Wiley CIO) 1st Edition, by Michael Minelli (Author), Michele Chambers (Author), Ambiga Dhiraj (Author)<br>3. Big Data and Analytics, 2ed, by Seema Acharya (Author), Subhashini Chellappan (Author) | |

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# VALUE ADDED COURSE

## Vedic Mathematics- I

### Syllabus

**Course Objectives:**

- Foster love for maths and remove its fear through Vedic Mathematics.
- Enhance computation skills in students through Vedic Mathematics.
- Develop logical and analytical thinking.
- Promote joyful learning of mathematics.
- Discuss the rich heritage of mathematical temper of Ancient India.

**Learning Outcomes:**

- Overcome the fear of maths.
- Improved critical thinking.
- Familiarity with the mathematical underpinnings and techniques.
- Ability to do basic maths faster and with ease.
- Appreciate the Mathematical advancements of Ancient India.

| **Course Title:** | **Vedic Mathematics** | **Course Code: 24BVC5103T** |
|---|---|---|
| **Total Lecture hour: 26** | | |
| **Unit I** | **High Speed Addition and Subtraction**<br>• Vedic Maths: History of Vedic Maths and its Features<br>• Vedic Maths formulae: *Sutras* and *Upsutras*<br>• Addition in Vedic Maths: Without carrying, Dot Method<br>• Subtraction in Vedic Maths: *Nikhilam Navatashcaramam Dashatah* (All from 9 last from 10)<br>• Fraction -Addition and Subtraction | **Hours**<br>7 |
| **Unit II** | **Miracle Multiplication and Excellent Division**<br>• Multiplication in Vedic Maths: Base Method (any two numbers upto three digits)<br>• Multiplication by *Urdhva Tiryak Sutra* | 7 |

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|---|---|---|
| | • Miracle multiplication: Any three-digit number by series of 1's and 9's<br>• Division by *Urdhva Tiryak Sutra* (Vinculum method) | |
| **Unit III** | **Maths-Lightening Squares and Rapid Cubes**<br>• Squares of any two-digit numbers: Base method<br>• Square of numbers ending in 5: *Ekadhikena Purvena Sutra*<br>• Easy square roots: *Dwandwa Yoga* (duplex) *Sutra*<br>• Square root of 2: *Baudhayana Shulbasutra*<br>• Cubing: *Yavadunam Sutra* | **6** |
| **Unit IV** | **Maths-Enlighten Algebra and Geometry**<br>• Factoring Quadratic equation: *Anurupyena, Adyamadyenantyamantya Sutra*<br>• Concept of *Baudhayana* (Pythagoras) Theorem<br>• Circling a square: *Baudhayana Shulbasutra*<br>• Concept of pi: *Baudhayana Shulbasutra*<br>• Concept angle (0) 0°, 30°, 45°, 60° and 90°: *Baudhayana* number | **6** |

**Reference and Reading Books:**


1. The Essential of Vedic Mathematics, Rajesh Kumar Thakur, *Rupa Publications,* New Delhi 2019.
2. Vedic Mathematics Made Easy, Dahaval Bathia, *Jaico Publishing,* New Delhi 2011.
3. Vedic Mathematics: Sixteen Simple Mathematical formulae from the Vedas, Jagadguru Swami Sri Bharati Krishna Trithaji, *Motilal Banarasidas,* New Delhi 2015.
4. Learn Vedic Speed Mathematics Systematically, ChaitnayaA. Patil 2018.
5. A Modem Introduction to Ancient Indian Mathematics, T S Bhanumurthy, Wiley Eastern Limited, New Delhi.
6. Enjoy Vedic Mathematics, SM Chauthaiwale, R Kollaru, The Art of Living, Bangalore.
7. Magical World of Mathematics, VG Unkalkar, Vandana publishers, Bangalore



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# VALUE ADDED COURSE

## Women Empowerment

### Syllabus

**Course Objective**

- Develop a critical understanding of gender equality and the concept of women's empowerment.
- Explore the historical and social context of gender issues faced by women globally.
- Examine the various forms of discrimination and oppression that women experience (social, economic, political).
- Analyze the legal framework around women's rights and access to resources.
- Learn about successful initiatives and movements for women's empowerment around the world.

**Course Outcome**

- Students will gain a deeper understanding of gender equality concepts and the complexities of women's empowerment.
- They will be able to critically analyze historical and social factors that contribute to gender-based issues.
- They will have a broader awareness of the various forms of discrimination women face and the legal frameworks surrounding women's rights.

| **Course Title:** | **Women Empowerment** | **Course Code: 24BVC5104T** |
|---|---|---|
| **Total Lecture hour: 26** | | |
| | | **Hours** |
| **Unit I** | • History of Women Empowerment in India Ancient Period, Medieval and Modern Period.<br>• Concept of Women Empowerment: Meaning, forms, Need and Importance.<br>• Dimensions of Women Empowerment | **7** |
| **Unit II** | • Women Empowerment: Constitutional Provisions and Laws<br>• Women Empowerment Policy and Schemes | **7** |
| **Unit III** | • Women Empowerment: Issues and Challenges.<br>• Supporting Agencies: NGOs, Self Help Groups and Panchayati Raj Institutions. | **6** |

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|---|---|---|
| **Unit IV** | • Powerful Women Leadership of India: Ahilya Bai Holkar, Rani Durgavati, Savitri Bai Phule, Mary Kom, Sindhutai Sakpal, Tessy Thomas, Indira Nooyi, Gaura Devi. | **6** |

**Reference and Reading Books:**


1. "Women's Empowerment in India: Critiques and Dialogues" by Carolyn Elliott
2. "Gender, Development, and Globalization: Economics as if All People Mattered" by Lourdes Benería, Günseli Berik, and Maria Floro
3. "Women Empowerment in India: Milestone & Challenges" by Meenu Agrawal
4. "Women Empowerment in India: A Socio-economic Study of Delhi" by Ranjana Kumari
5. "Women and Empowerment in Contemporary India" by Saraswati Raju
6. "Indian Women: Contemporary Essays" edited by Devaki Jain and Pam Rajput
7. "Women's Empowerment in India: Issues, Challenges and Strategies" by G. Sandhya Rani
8. "Gender and Development in India: The Indian Scenario" by Nitya Rao
9. "Gendering Caste: Through a Feminist Lens" by Uma Chakravarti
10. "Interrogating Women's Leadership and Empowerment" edited by Omita Goyal



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**Course objectives**

- Explore the challenges and opportunities presented by global issues like climate change, resource depletion, and social inequality.
- Examine different sustainability frameworks and methodologies used for analysis and decision-making.
- Cultivate critical thinking skills to assess the sustainability of practices and policies.
- Introduce the International Organization for Standardization (ISO) and its role in developing international standards.
- Explain the benefits and processes of achieving ISO certification for organizations.

**Course Outcomes**

After studying the course on Sustainability & ISO Certification, students should achieve the following outcomes:

- Comprehend key sustainability concepts and their relevance to business.
- Understand the structure and requirements of ISO 14001 and related standards.
- Recognize the importance of environmental management systems (EMS)

| **Course Title:** | **Sustainability & ISO Certification** | **Course Code: 24BVC5105T** |
|---|---|---|
| **Total Lecture hour: 30** | | **Hours** |
| **Unit I** | • Introduction to the Sustainable Development, Definition and its Goals.<br>• Sustainable Production and Consumption, Climate Action, Partner ships for the Goals, SDG India. | **8** |
| **Unit II** | • Sustainability in Business: Corporate social responsibility, Sustainable business models | **7** |
| **Unit III** | • Introduction to ISO and its role.<br>• Types of ISO standards related to sustainability. | **8** |
| **Unit IV** | • Introduction and Implementation of ISO 14001 (Environmental Management Systems): Planning, implementation and Operation. | **7** |

**Reference and Reading Books:**


1. Environmental issues & Sustainable Development; Arjun Gope, Abhijit Sarkar, Prasamita Sarkar, and Santanu Majumder; Notion Press; 2019.
2. ISO 9001, ISO 14001, and New Management Standards (Measuring Operations Performance), by Iñaki Heras-Saizarbitoria.
3. Concepts of Environmental Management for Sustainable Development, M.C. Das.
4. ISO 14001: 2015 - Environmental Management System (EMS) 'Beginners Guide' / Mohamed Nazeer Ali, Notion Press; 1st edition 2021


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