

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.



CIRCULAR NO./SYLLABUS./Faculty of SCIENCE TECH./B.VOC./61/2021.

It is hereby informed to all concerned that, on the recommendation of Ad-hoc Board in Vocational Studies and Dean, Faculty of Science & Technology, the Hon'ble Vice-Chancellor has **accepted the curriculum of following B.Voc. Course under Choice Based Credit and Grading System** in his emergency powers under Section-12 [7] of the Maharashtra Public Universities Act, 2016 on behalf of the Academic Council as appended herewith:

Sr.No.	Course Name	Semester
✓ 1	B.Voc in Architecture Planning & Interior Design	V & VI

This is effective from the **Academic Year 2020-21 and 2021-22** and onwards. This curriculum is also available on the University website www.bamu.ac.in.

All concerned are requested to note the contents of the circular and bring notice to the students, teachers and staff for their information and necessary action.

University campus,
Aurangabad-431 004.
Ref. No.SU/B.voc./Curri./2021-22/

Date: 07.12.2021

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**Deputy Registrar,
Academic [Syllabus]
Section.**

Copy forwarded with compliments to :-

- 1] **The Principal All Affiliated Concerned Colleges, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.**
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload the curriculum along with this Circular on University Website.**

Copy to :-

- 1] The Director, Board of Examinations & Evaluation, Dr.BAMU, A'bad
- 2] **The Concerned Section, Examination Branch,**
- 3] The Section Officer, [Eligibility Unit],
- 4] **The Programmer [Computer Unit-1] Examinations, section, Dr.BAMU, A'bad**
- 5] **The Programmer [Computer Unit-2] Examinations, section, Dr.BAMU, A'bad**
- 6] The In-charge, [E-Suvidha Kendra],
- 7] The B.Voc Section, Dr.BAMU,A'bad
- 8] The Public Relation Officer,
- 9] The Record Keeper,

..***..

BH/071221/-

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY
AURANGABAD**



SYLLABUS OF
BACHELOR OF VOCATIONAL
IN

**Architecture Planning & Interior Design
Third Year SEMESTER V to VI**

Choice Based Credit System

Effective from the Academic Year
2020-21 & 22 Onwards

Dr. Babasaheb Ambedkar Marathwada University

Aurangabad-431004

NAAC Re-accredited with Grade 'A'



THIRD YEAR SYLLABUS

Bachelor of Vocation in

“Architectural Planning and Interior Design”

(3 Years Program)

(With Effective From: 2018-19)



हे ज्ञानिची पवित्रता | ज्ञानीचि आथि ||

Approved

Barhale

8/12/21
Dean
Faculty of Science & Technology
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

Third year									
SEMESTER – V									
Paper No.	Paper Title	No. of Credits	Lectures Per Week		Exam Pattern (Marks)				Total
			Th.	Pr.	Theory		Practical		
					CIA	ESE	CIA	ESE	
General Component									
GC501T	Campus to Corporate	4	4		20	80			100
GC502T	Entrepreneurship Development	4	4		20	80			100
GC503T	Business Economics	4	4		20	80			100
Skill Component									
SC1504T	interior design IV	4	4		20	80			100
SC1505T	green building technology	4	4		20	80			100
SC1506P	Interior Landscape	3		8			30	45	75
SC1507P	Practical on contemporary design	3		8			30	45	75
SC1508P	SiteVisits and Estimation	4		4			50	50	100
	Total	30			100	400	110	140	750
SEMESTER – VI									
General Component									
GC601T	Research Methodology	4	4		20	80			100
GC602T	Human Resource Management	4	4		20	80			100
GC603T	Principles of Marketing	4	4		20	80			100
Skill Component									
SC2604P	Industrial Internship	10					125	125	250
SC2605P	Field Work Project	6		12			75	75	150
SC2606P	Seminar	2		4			30	20	50
	Total	30			60	240	90	360	750



 2/12/21

 Dean

 Faculty of Science & Technology

 Dr. Babasaheb Ambedkar Marathwada

 University, Aurangabad



B. Voc. Third Year

(Architectural Planning and interior Design)

Semester – V&VI

Semester V

Course : B. Voc. in APID

Semester-V

4-Credits

PaperTitle: Campus to Corporate

PaperNo. 29: GC501T

Unit-I

15 L

Business Etiquettes,

Etiquette Starts on the Phone, No Solicitation

Personal and Mass Emailing,

Unit-II

15 L

Confidentiality and the Use of Company Funds and Equipment, Employee Theft – Though Shalt Not Steal, Dressing for work

Unit-III

15 L

Nepotism in the Workplace, Disturbances, Insensitivity and Discrimination, Office Bullying, Entertaining Customer

Unit-IV

15 L

Professional Ethics

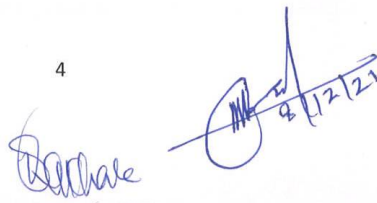
Introduction, Terminology, Governing Edicts, Contextual Aspects, Personal Ethics, Professional Ethics, Ethical Dilemmas, Life Skills, Emotional Intelligence, Thoughts on Ethics, Value Education, Dimensions of Ethics, Setting Goals in Life.

PROFESSION AND PROFESSIONALISM

Profession, Professional, Professionalism, Professional Associations, Roles of a Professional, Professional Risks, Professional Accountability, Professional Success, Ambition and Satisfaction, Ethics and Profession, Image of a Profession

References

1. Office Etiquette: The Unspoken Rules in the Workplace by Sonja L. Traxler
2. Campus To Corporate by Ashutosh Sharma.



Course : B. Voc. in APID

Semester-V

4-Credits

PaperTitle: Entrepreneurship Development

PaperNo. 30: GC502T

Unit I : Entrepreneurial Development Perspective

15 L

2. Evolution of the concept of Entrepreneur, Concepts of Entrepreneurship Development, Entrepreneur Vs. Entrepreneur, Entrepreneur Vs. Entrepreneurship, Entrepreneur Vs. Manager, Attributes and Characteristics of a successful Entrepreneur, Role of Entrepreneur in development of Indian economy

Unit II Business organizations: - Meaning, types of business organization – Sole

15 L

proprietorship, Partnership, Co-operative Society, Joint-Stock Company, Selection of an appropriate form of business organization.

Unit III Creating Entrepreneurial Venture. Business Planning Process. Environmental Analysis - Search and Scanning Identifying problems and opportunities, Defining Business Idea.

15 L

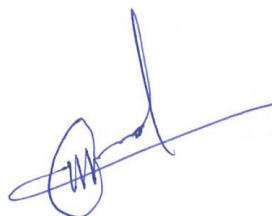
Unit IV : Project Identification & Report :-

15 L

– concept of project - project identification – formulation –appraisal-selection implementation and management–preparation of project report

REFERENCE BOOKS

- 1) Vasant Desai : “The Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, Mumbai, Sixth Edition, 2010.
- 2) Khanka S. S., “Entrepreneurial Development”, Chand and Company Ltd, New Delhi, Third Revised Edition, 2001.
- 3) Prof. E. Gordon & K. Natarajan, “Entrepreneurship Development”
- 4) N.P. Singh, “Entrepreneurship Development”, - Theories & Practices.
- 5) M. Gangadhar Rao, “Entrepreneurship & Entertainment Development



Course : B. Voc. in APID
PaperTitle: Business Economics

Semester-V

4-Credits
PaperNo. 31: GC503T

Unit I

Introduction:- Meaning, Nature and Scope of Business Economics, Micro and Macro economics, its features and Importance. **10 L**

Unit II

Demand Analysis:-Introduction, Concept of Demand, individual Demand market Demand, Factors affecting on Demand Types of Demand, Law of Demand, **15 L**

Unit III

Elasticity of Demand:- Introduction, Concept ,types of elasticity of demand ,types of Price elasticity of Demand, factors Determining Elasticity of Demand, significance of Price Elasticity of Demand. **15 L**

Unit IV

Producers Behavior :- Introduction Concepts of Total Output, Stock and supply, Supply schedule, Determinants of market supply Law of supply, change in supply, Variation in supply, Concept of Elasticity of Supply and Types of Elasticity of Supply Measurement Determinants of Elasticity of Supply. Concepts of Cost, Total cost, Average cost and Marginal Cost. **20 L**

Recommended Books :

1. Managerial Economics - Analysis, Problems and Cases, P. L. Mehta, Sultan Chand and Sons, New Delhi.
2. Managerial Economics - Varshney and Maheshwari, Sultan Chand and Sons, New Delhi.
3. Managerial Economics - D. Salvatore, McGraw Hill, New Delhi.
4. Managerial Economics - Peterson and Lewis, Prentice Hall, New Delhi
5. Managerial Economics - G. S. Gupta , T M H, New Delhi.
6. Managerial Economics - Mote, Paul and Gupta, T M H, New Delhi.
7. Managerial Economics — D. C. Hague, Longmans.
8. Managerial Economics - Joel Dean, Prentice Hall, USA.
9. Managerial Economics - H L Ahuja, S Chand & Co. New Delhi.
10. A study of Managerial Economics – D.Gopalkrishna
11. Managerial Economics – D.C.Hauge
12. Managerial Economics – Reckie and Crooke
13. Managerial Economics, 4th Ed. – Craig Peterson

Course : B. Voc. in APID**Semester-V****3-Credits****Paper Title:** interior design IV**Paper No. : SC2504T**

Objective: To understand the urban context in which the individual design project and to aid in understanding the complexities and fundamentals of all design dimensions ability to prepare working details of interior design projects.

Contents : Two Interior Design problems of complete species with creative outlook.
(Five star hotels, resorts, hospitals, theatres, corporate offices, computer centres, electronic offices, Industrial administrator building interiors etc.) Area of Interior project should be @ 500.00 sq.mt.

UNIT I**10**

Preparation of working drawing details for Furniture with Specification
For selected type of building prepare the same

UNIT II**10**

Preparation of working details for Flooring with specification.

UNIT III**10**

Preparation of working details for ceiling with specification

UNIT IV**15**

Preparation of working details for Wall treatment with specification.

Drawings include – presentation drawings, Enlarge detail drawings, services layout drawings.

Outcome The student would be able to understand the urban context in which the individual design project and to aid in understanding the complexities and fundamentals of all design dimensions ability to prepare working details of interior design projects

REFERENCES:

- 1. Designing a Life: From House to Haven by Sarah Symonds.
- 2. <https://www.nicolejanes.com/njdblog/20-books-for-your-interior-design-business>
- 3 <https://graceinmyspace.com/interior-design-books-for-beginners>

Course : B. Voc. in APID Semester-V 3-Credits

Paper Title: GREEN BUILDING TECHNOLOGY Paper No. : SC2505T

Objective:

To have an increased awareness among students on issues in areas of green building technology .

UNIT I

10

Introduction to green building technology, definition, need and concept, challenges Global, Regional and Local environmental issues, natural resources and their pollution, Carbon credits, Zero waste concept, benefits of green buildings, considerations of green buildings.

UNIT II

10

Parameters to be considered for making buildings green, basic concepts of building design, systems design and controls.

UNIT III

10

Materials used in green building construction and green interiors.

UNIT IV Methods of reducing use of natural resources to make buildings green. **15**

Rating systems of green buildings, green buildings certification, carbon credits.

SESSIONAL WORK (IA): Based on assignments and presentations.

Outcome the student would be able to have an increased awareness on issues in the areas of green building technology .

REFERENCES:.

1. Climate responsive Architecture by Anant Krishnan
2. ECBC Code 2007, Bureau of Energy Efficiency, New Delhi Bureau of Energy Efficiency Publications – Rating System, TERI Publications – GRIHA Rating System

Course : B. Voc. in APID Semester-V**3-Credits****Paper Title: INTERIOR LANDSCAPE****Paper No. : SC2506P**

Objective : Exposure to various concepts, ideas and techniques prevalent in landscape architecture

Landscape design is a vital component of architecture and interiors through its ability to transform the spatial characteristics and make them aesthetics since it predominantly deals with the planning of open Space .

UNIT I**10L**

Elements of Landscape Design ,Hardscape and Softscape Elements.

Elements of landscape – land elements, land forms etc. Their use and importance in landscape . Basic principles of landscape design; importance and relevance of aesthetic , functional, social ,climatic and economic considerations. Types of landscapes , their characteristics and suitability.

UNIT II**10L**

Structures in landscapes , water bodies and their built forms like fountains and ponds etc. containers for soil and water and their construction details. Landscape foundations, grading, drainage, paved and unpaved surfaces, roads and paths, their types, natural landforms, its advantages, retaining walls and slope retention,

UNIT III**10L**

Plants and planting in various land types .Characteristics and classification of plant materials ,use of plant materials for enhancing landscapes . (Horticultural study of plants, shrubs, climbers soil suitability , climate , growth , foliage , maturity and diseases and maintenance issues in various climate type and environment etc.)

UNIT IV**15L**

Services in landscapes and their integration in landscape design . viz. water supply , drainage , lighting etc. in interiors. Factors to be considered, problems and issues .types of lighting and suitability.

SESSIONAL WORK (IA):

1. Plant identification plates and reports.
2. Sketching assignments and term papers.

Outcome:The learner would be able to understand exposure to various concepts, ideas and techniques prevalent in landscape architecture

Reference Books

1. T S S for Landscape Architecture, McGrawHill, Inc, 1995
2. Grant W Reid, From Concept to Form in Landscape Design, Van Nostrand Reinhold a. Company, 1993
3. Brian Hacket, Planting Design
4. T.K. Bose and Chowdhury, Tropical Garden Plants in Colour, Horticulture And Allied a. Publishers,Calcutta,1991
5. Motloch, J.L.,Introduction to Landscape Design", Van Nostrand Reinhold Publishing

B.Voc. Architectural Planning and Interior Designing

Third yearP2018 Sem V &VI

a. Co., New York, 1991.

6. Bring, M, "Japanese Gardens: "design & Meaning

7. Simonds, J.O., "Earthscape: A Manual of Environmental planning", McGraw Hill Book

a. Co., New York, 1978.

8. • Motloch, J.L., "Introduction to Landscape Design", Van Nostrand Reinhold

Publishing Co., New York, 1991.., McGraw Hill Book Co., New York, 1981.

9. Michael Laurie, An Introduction to Landscape Architecture, Elsevier, 1986

10. Geoffrey And Susan Jellicoe, The Landscape of Man, Thames And Hudson, 1987

B.Voc. Architectural Planning and Interior Designing
Course : B. Voc. in APID Semester-V

Third year P2018 Sem V & VI
3-Credits

Paper Title: Practical on contemporary Design

Paper No. : SC2507P

Contents :

Any one interior project completed within last 10 years and having area minimum 100.00 sq. mt.

of any type should be studied thoroughly and the report should include

1. All drawings
2. Photographs
3. Sketches
4. Analysis
 - of functions
 - of material and technique
 - of style
5. Alternative solutions

OR

1. Detail study including case study of any element of interior with analysis.
e.g. furniture piece, accessories, colour, elevations, flooring etc.

2. Alternative Solutions

B.Voc. Architectural Planning and Interior Designing

Course : B. Voc. in APID

Third year P2018 Sem V & VI

3-Credits

Paper Title: Site Visits and Estimation

Paper No. : SC1508P

Content :

Visit to the interior construction and analyse the interiors as per class and specifications of material used (lower class , middle class, higher class) for any three of following-

- 1] Residential structure
- 2] Commercial structure (Mall, Food mall, shopping center)
- 3] Hospital Buildings
- 4] Hotel Building
- 5] Educational Institute
- 6] Business Center
- 7] Library

Semester VI

Course : B. Voc. in APID

Semester-VI

4-Credits=60 Lectures

PaperTitle: Research Methodology

PaperNo. GC601T

Unit- I

15L

Concept of Research – objectives, Motivation, Importance & types of research

Scientific method – Steps involved in a process of research.

Experimental method- Definition, characteristic, and steps involved, difficulties in experimental method, advantages & limitations.

Unit-II

15L

Research Problem

Meaning of research problems, sources of research problems criteria/ characteristics of a good research problems, errors in research problems.

Hypothesis formation

Unit-III

15L

Sources of data – Primary data – advantages & disadvantages –sources of primary data, Secondary data – advantages & disadvantages- sources of secondary data. Observation – meaning & characteristics, types , advantages & disadvantages

Information Technology And Library Resources

The internet and world wide web, internet resources for chemistry, using spreadsheets, word processors, databases and other packages, finding and citing information

Unit –IV :- Communicating Information

15L

General aspects of scientific writing, writing essays, reporting practical and project work, writing literature surveys and reviews, organizing a poster display, giving an oral presentation examinations

Reference Books:-

1. Research Methodology, Methods & Techniques by C.R. Kothari.

2. <https://www.goodreads.com/book/show/20631810-research-methodology>

3. <https://www.kopykitab.com/ebooks/2016/06/7620/sampl>

Course : B. Voc. in APID

Semester-VI

4-Credits Paper Title:

Paper Title: Human Resource Management

Paper No.

GC602T

Unit I - Introduction to Human Resource Management - Concept, Nature, Scope, Significance, Objectives and Functions of HRM. **15 L**

Unit II – Human Resource Planning (HRP) - Meaning and need for Human resource Planning - Process of HRP - Factors affecting HRP. –Job Analysis -Recruitment and selection – Meaning, - Sources of recruitment **15 L**

Unit III - Employee Training - Meaning and need for training - Steps in training - Methods of Training – Impediments of effective training with suitable examples **15 L**

Unit IV - Performance Appraisal and Merit Rating - Meaning and purpose of performance appraisal - Methods of performance appraisal - Ethics in performance appraisal – Merit Rating – Meaning, Benefits of Merit Rating – Difference between performance appraisal and merit rating **15 L**

Books Recommended: -

Principles of Personnel Management — by Edwin B Philipo

Management of Organization Behaviour — by Paul Harsey K. Blanchard

Personnel/Human Resource Management __ Decenza & David

Human Resource Management- P.Subbarao

Human Resource Management: R.S.Triwedi

Human Resource Management — by C.V. Subramaniam

K Ashwathappa : Human Resource Management, Tata McGraw Hill, New Delhi

Course : B. Voc. in APID

Semester-VI

4-Credits

PaperTitle: Principles of Marketing

PaperNo. : GC603T

UNIT 1. Marketing Concepts – Approaches to Marketing –Core concepts of marketing - Marketing Process – Functions of Marketing **15 L**

UNIT 2. Marketing Environment– The changing marketing environment – Analyzing, needs and trends in Macro Environment and Micro Environment **15 L**

UNIT 3. Market Segmentation – Bases for market segmentation of consumer goods, industrial goods and services – Market Targeting and positioning strategies Marketing Mix – Four P's – Its significance in the competitive environment **15**

LUNIT 4. New Product Decision Process – Types of new products Product and Product Line – Product Mix – Product Life Cycle – Managing the product in Product Life Cycle, Test Marketing of a new product, Packaging – Purpose, Types and New Trends in packaging . **15 L**

Reference Books Recommended

1. Marketing Special Indian Edition- Dhruv Grewal, Michael Levy
2. Marketing - Stanton,,Michael Etzel, Walker(Tata)
3. Marketing Management - V.S.Ramaswamy and S.Namakumari
4. Principles of Marketing 9th Edition - Philip Kotler and Gary Armstrong
5. Marketing - Bovee and John Thill
6. Marketing Models - Lilien & Kotler & Moorthy
7. Case Studies in Marketing – Indian context - R.Srinivas
8. Marketing Management Text And Cases in Indian Context-Dr.K.Karunakaran
9. Marketing Management Text and Cases-Biplab Bose
10. Marketing Management -S.A. Sherlekar13th Edition
11. Product Management S.A.Chunawala
12. Marketing Management - Philip Kotler

Course: B. Voc. in APID

Semester - VI

10 - Credits

Paper Title:- Industrial internship

Paper No.: SC2604P

Inplant Training

The student should work in Architectural or Interior related industry and to acquire hands on experience in the field of interior design for any residential or public building etc for min of 4 weeks

The student should submit the internship completion certificate.

Course: B. Voc. in APID

Semester - VI

6 - Credits

Paper Title:- project work and Report

Paper No.: SC2605P

A detailed project should be carried out by the student to cater the need of that project
And project report should be submitted in the form of dissertation work In the form of thesis

It should include

1. All drawings
2. Photographs
3. Sketches
4. Analysis
 - of functions
 - of material and technique
 - of style
5. Alternative solutions

The Project review should be carried out after every 30 days

Project Review 1

Project Review 2

Project Review 3

Course: B. Voc. in APID

Semester - VI

12 - Credits

Paper Title:- Seminar I

Paper No.: SC2606P

Student should deliver a Seminar based on latest topic in Interior designing of 13 mins.
Student should submit a seminar report for the same, it is an individual activity each student should select unique topic in the batch