JAGANNATH UNIVERSITY

Department of Agriculture

Circular

NO./Ag/JNU/S-1

Dated: 28.06.2018

It is inform to all the Odd Semester students of B.Sc.(Hons) Agriculture for registration of Value Added Courses(VAC). The registration will be starting from 03/07/2018 to 10/07/2018. The classes will be starting from August 05, 2018. The students can contact to Dr S.L.Sharma for further queries.

The following courses are offering for respective semester-

(1) Solar energy application in agriculture –(**III Semester**)
(2) Basic principle of food fortification & its future market –(**V Semester**)
(3) Income & employment generation among youth through mushroom production technology –(**VII Semester**)

Dean

DEAN
Faculty of Agriculture & Planning
FACULTY OF SCIENCE
Jagan Nath University, Jaipur
Deptt. of Agriculture
JAGANNATH UNIVERSITY
CHAKSU, JAIPUR (RAJ.) INDIA

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Jagannath University Jaipur is offering Value Added Certificate Courses that are being conducted by various departments to complement students' knowledge and skills in their field of study. Courses offered are chosen based on current trends, relevance and value in the job-market.

Duration: 30-34 hours
Timings: 04:30 pm to 05:30 pm
Date of Commencement: August, 2018

Registration & other details: Registration will open from **03.07.2018** to **10.07.2018** through a link on website www.jagannathuniversity.org Students should contact **Prof. S. L. Sharma** (I/c value added courses) for further queries.

Course Certificate: Certificate mentioning acquired grade will be provided as per performance in test at the end of Course.

Participants: Students of III, V and VII semester from JAGAN NATH UNIVERSITY may apply. .

Semester	III
Course Title	**Solar Energy Applications in Agriculture**
Objectives	• To understand the physics of Sun and solar energy. • To learn about the various solar parameters. • To learn about various applications of solar energy in crop drying etc. • To understand the operations and maintenance of solar operated appliance systems and equipments.
Course Details	Role and potential of new and renewable source, the solar energy option, Environmental impact of solar power, physics of the sun, the solar constant, extraterrestrial and terrestrial solar radiation, solar radiation on tilted surface, instruments for measuring solar radiation and sun shine, solar radiation data. Flat plate and concentrating collectors, classification of concentrating collectors, orientation and thermal analysis, advanced collectors. Different

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	methods, Sensible, latent heat and stratified storage, solar ponds. Solar Applications solar heating/cooling technique, solar distillation and drying, photovoltaic energy conversion. Design of photovolatic cells. Importance of solar energy application in crops drying, air and water heating, cooking, lighting, seed treatment and preservation. Measurement of solar radiation, reflectivity, absorptivity, transmissivity and thermal conductivity. Principles and design criteria of solar cookers and solar absorption refrigeration systems, storage of energy by rock, water and phase change medium . Economics of various solar energy systems.
Faculty	Mr. Sudhansu Mathur

Semester	V
Course Title	**Basic Principle of Food Fortification and its Future Market**
Objectives	❖ To improve the implementation of existing and new food fortification programmes in India. ❖ To raise knowledge, awareness and consumption of fortified foods among the poor and vulnerable, women, girls and children. ❖ To improve monitoring and evaluation of existing and new programmes. ❖ To maintain the nutritional quality of food. ❖ To increase the added nutritional value of a product. ❖ To provide certain technological functions in food processing.
Course Details	The role of food fortification in the control of micronutrient mainutrition: Global prevalence of micronutrients malnutrition, strategies for the control of micronutrient malnutrition, increasing the food diversity of foods consumed, food fortification, supplementation, public health measures, advantages and limitations of food fortification as a strategy to combat MNM. Food fortification basic principles: Types of food fortification, mass fortification, targeted fortification, market driven fortification. Legal

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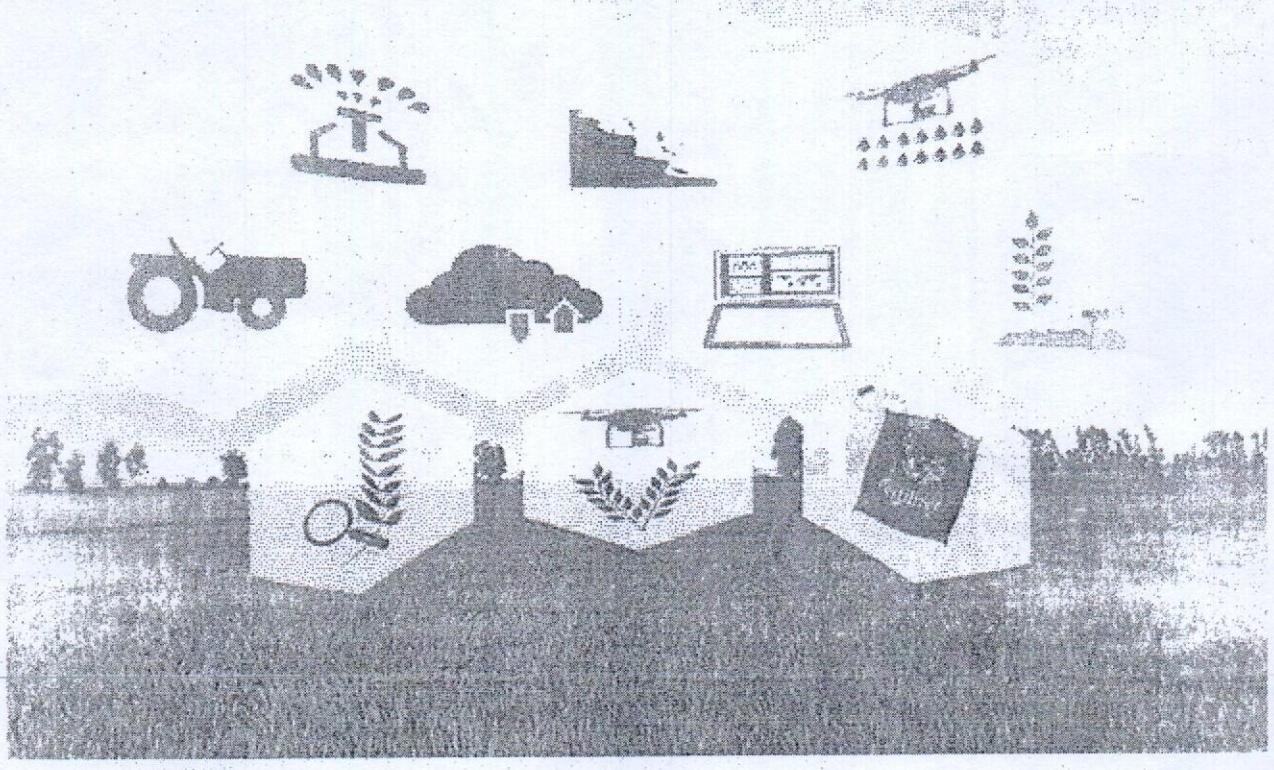
	considerations: mandatory versus voluntary fortification mandotary fortification, voluntary fortification, special voluntary fortification. Evaluating the public health significance of micronutrient malnutrition: iron, Vitamin A and iodine- Iron deficiency and anemia, prevalence of deficiency, risk factors for deficiency, health consequences of deficiency and benefit of intervention. Vit A- prevalence of deficiency, risk factors for deficiency, health consequences of deficiency and benefit of intervention. Iodine- prevalence of deficiency, risk factors for deficiency, health consequences of deficiency and benefit of intervention. Fortificants: physical characteristics, selection and use with specific food vehicles: Iron, vitamin A and iodine, Choice of iron fortificant, methods used to increase the amounts of iron absorbed from fortificants, noval iron fortificants, sensory changes, experience with iron fortification of specific foods. Choice of Vit A fortificant, methods used to increase the amounts of Vit A absorbed from fortificants, noval Vit A fortificants, sensory changes, and experience with fortification of specific foods. Implementing effective and sustainable food fortification programmes: information needs, defining nutritional goals: basic concepts, EAR cut-point methods, using the EAR cut-point method to set goals and to evaluate the impact and safety of fortification, monitoring and evaluation, estimation the cost-effectiveness and cost-benefit of fortification. Communication, social marketing and advocacy in support of food fortification programmes, national food law.
Faculty	Mr. Kapil Sharma

Semester	VII
Course Title	**Income and Employment Generation among Youth through Mushroom Production Technology**
Objectives	• To disseminate mushroom production technology for economic and nutritional security. • Income and employment generation through mushroom cultivation. • To acquire knowledge about edible and non edible mushroom. • To gain knowledge about nutritional value of mushroom and its value added products.
Course Details	Role of mushroom in economic growth, nutritional and medicinal values, Taxonomy of mushroom. Pure culture of fungus, preparation of span production Importance of mushroom cultivation, Cultivation procedure of

	paddy straw mushroom (outdoor/indoor), concepts, types, uses, food values, Acquaintance with edible, non-edible, medicinal and poisonous mushrooms . Reproduction in Fungi,Fungal growth factors,Nutrition of Mushroom. Cultivation procedure of oyster, Mushrooms, Cultivation procedure milk, Mushroom. Organic mushroom production technology. Demonstration on bag preparation of oyster and milk mushrooms. Opportunities and Constraints .Mushroom processing and preservation (drying/ dehydration, pickling and canning) Value addition in mushroom, preparation of value added products, skill development and marketing activities. Mushroom spawn: quality attributes storage and transport, Acquaintance with mushroom contaminants.
Faculty	Prof. (Dr.) OP Sharma



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Course Fee: Nil

Duration: 36 Hrs.

Faculty of Science
Department of Physical Sciences

Value Added Course: Fundamentals of Natural Products Chemistry

Course Code: VFNPC **Eligibility: Science Undergraduate**

GRADED CERTIFICATE WILL BE PROVIDED AFTER COMPLETION OF THE COURSE

Class Time: After regular classes

Date of Commencement: After 07 days from semester beginning

Course Outcomes: At the end of the course, learners will be able

- **To understand about terpenoids, carotenoids, alkaloids, steroids and flavonoids, identification and their isolation process.**
- **To fulfill the national and international needs regarding pharmaceutical industries those are working in natural products.**
- **To get more chances of employment in pharmaceutical Industries.**

Expert Name: Dr. Anil Kumar Sharma

Contact for Registration

Head, Department of Physical Sciences, Faculty of Science,
Jagan Nath University, Jaipur, Rajasthan INDIA
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Course Fee: Nil

Duration: 30 Hrs.

Faculty of Science
Department of Physical Sciences

Value Added Course: Fibre Optics and Optical Communication System

Course Code: VFOOC **Eligibility: Science Undergraduate**

GRADED CERTIFICATE WILL BE PROVIDED AFTER COMPLETION OF THE COURSE

Class Time: After regular classes

Date of Commencement: After 07 days from semester beginning

Course Outcomes: At the end of the course, learners will be able to:

- **Understand the role of cladding in an optical fibre.**
- **Learn the concept of Acceptance angle.**
- **Explain the phenomena of skip distance.**
- **Describe how fibre optic communication system works.**
- **Describe applications of optical fibres in daily life.**

Expert Name: Dr. Amit Goswami

Contact for Registration

Head, Department of Physical Sciences, Faculty of Science,

Jagan Nath University, Jaipur, Rajasthan INDIA

Ph: 0141-3020516

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Course Fee: Nil

Duration: 33 Hrs.

Faculty of Science
Department of Physical Sciences

Value Added Course: Application of Python in various topics in Mathematics

Course Code: VAPM **Eligibility: Science Undergraduate**

GRADED CERTIFICATE WILL BE PROVIDED AFTER COMPLETION OF THE COURSE

Class Time: After regular classes

Date of Commencement: After 07 days from semester beginning

Course Outcomes: At the end of the course, learners will be able to:

- **Understand the process of installing the spyder (python tool).**
- **Understand the basics commands and syntax of python .**
- **Able to concept of tuple, records, list and other functions of Python.**
- **Understand the Matplotlib library**
- **Solving the basic mathematics problems with help of Python.**

Expert Name: Dr. Vivek Kumar Sharma

Contact for Registration

Head, Department of Physical Sciences, Faculty of Science,
Jagan Nath University, Jaipur, Rajasthan INDIA
Ph: 0141-3020516

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Faculty of Science

Department of Physical Sciences

Value Added Course: Fundamentals of Natural Products Chemistry (VFNPC)

Course objectives: The course will enable the student

- To understand about terpenoids, carotenoids, alkaloids, steroids and flavonoids.
- To learn their isolation process.
- To learn the identification test for different phytochemicals class.
- To fulfill the national and international needs regarding pharmaceutical industries those are working in natural products.

Course Content:

Module-I: **Lecture 12**

Terpenoids and Carotenoids: Classification, occurrence, isoprene rule, isolation and Hands on training based practices. use of spray reagents.

Module-II: **Lecture 12**

Alkaloids: Definition, physiological action, classification, occurrence, identification test, isolation. Hands on training based practices. use of spray reagents.

Module-III: **Lecture 12**

Steroids and Flavonoids: Classification, occurrence, tests for detection, isolation and Hands on training based practices. use of spray reagents.

Books Recommended:

i. Organic Chemistry: Vol.2. IL Finar. ELBS.
ii. Introduction to Flavonoids, B.A. Bohm. Harwood Academic Publisher.
iii. New trends in Natural Product Chemistry, Atta-ur-Rahman and MI Choudhary. Harwood Academic Publisher.

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Course Outcomes:

At the end of the course, a student will be able

1. To understand about terpenoids, carotenoids, alkaloids, steroids and flavonoids, identification and their isolation process.
2. To fulfill the national and international needs regarding pharmaceutical industries those are working in natural products.
3. To get more chances of employment in pharmaceutical Industries.

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Faculty of Science
Department of Physical Sciences
Value Added Course: Fibre Optics and Optical Communication System (VFOOC)

Course Objective

- To understand the concept of TIR.
- To know the mechanism of light propagation in an optical fibre.
- To understand the concepts of Numerical aperture.
- To understand the applications of optical fibre.
- The students will be able to apply the concepts learnt to several real world problems.

Course Content:

Module 1 **(10 Hours)**

Fibre optics: Optical fibre, necessity of cladding, Total internal reflection, Propagation of light through an optical fibre, Acceptance angle, Refractive index, Fractional refractive index change, Numerical aperture, Skip distance, Modes of propagation, Types of rays, Uses of optical fibres.

Module 2 **(10 Hours)**

Classification of optical fibres: Single-mode step index fibre, Multi-mode step index fibre, Graded index fibre, Materials for optical fibre, V-number, Fabrication of optical fibre, Loses in optical fibre, Distortion, Bandwidth, Characteristics of optical fibres, Splicing.

Module 3 **(10 Hours)**

Optical Communication system: Illumination and image transmission, Fibre optic communication system, Transmitter, Receiver, Amplifier, Local area network, Long haul communication network, Merits of optical fibres, Fibre optic sensors, Advantages of optical communication.

At the end of the course, the student will be able to:

CO1: Understand the role of cladding in an optical fibre.

CO2: Learn the concept of Acceptance angle.

CO3: Explain the phenomena of skip distance.

CO4: Describe how fibre optic communication system works.

CO5: Describe applications of optical fibresin daily life.

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Reference Books:

1. Brij Lal, M. N. Avadhanulu and N. Subrahmanyam, A Text Book of Optics, 25/e, S. Chand Publishing, 2012, ISBN: 9788121926119.
2. Ajoy Ghatak, Optics, 6/e, McGraw-Hill, 2017, ISBN: 9780073380483.
3. Subir Kumar Sarkar, Optical Fibers and Fibre Optical Communication Systems, 6/e, S. Chand Publishing, 2000, ISBN: 9788121914598.

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Faculty of Science

Department of Physical Sciences

Value Added Course: Application of Python in various topics in Mathematics (VAPM)

Course Objective:

In order to help the students in exploration of mathematical concepts through activities and exploration, The computer language "Python" is introduced. Students find better perceptions of the classical courses like Linear Algebra, Complex Analysis, Numerical Analysis and etc,. This course aims to teach scientific programming language Python using examples from mathematics particularly basics of numerical and symbolic computations are among the topics covered.

Course Outcomes:

After completion of this course student will be able to:

- Understand the process of installing the spyder (python tool).
- Understand the basics commands and syntax of python .
- Able to concept of tuple, records , list and other functions of Python.
- Understand the Matplotlib library
- Solving the basic mathematics problems with help of Python.

Course Content:

Module 1 **(10Hr)**

Installing " Spyder" on system,working directories and panel, Working with Numbers in Python, Working with List or tuple in Python, Creating graphs with Matplotlib, Exploring Quadratic Function Visually, Summing a Series, Using Venn Diagrams to Visualize Relationships Between Sets, Verification of Continuity at a point, Area between two curves, Finding the length of the curve

Module 2 **(8 Hr)**

Complex Arithmetic, functions in Python, Inverse, Determinant and Eigenvalues in Python, Transpose and Upper/Lower Triangular parts in Python, Solving Linear Systems in Python.

Module 3 **(15 Hr)**

Plotting of Scalar and Vector fields, Mathematical Model: Interest Rates, Mathematical Model: Growth of a population – Exponential Model, Mathematical Model: Logistic Growth, Mathematical Model: A Simple Pendulum, Mathematical Model: Spreading of a Disease

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Books Recommended:

- Learn Python the Hard Way: 3rd Edition, Zed A. Shaw, Addison Wesley.
- Python Programming: An Introduction to Computer Science (3rd Edition), John M. Zelle.
- Python Cookbook: Recipes for Mastering Python 3 (3rd Edition).
- Introduction to Machine Learning with Python: A Guide for Data Scientists (1st Edition).

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Minutes of the Meeting of Board of Studies of Faculty of Management, Jagan Nath University, Jaipur

A Meeting of the Board of Studies of Faculty of Management, Jagan Nath University was held on 28th July, 2018 at 11:00 a.m in the Conference Room of the University.

The following members were present:

1. Dr. Vaishali Sharma	Convener
2. Dr. Shilpi Khandelwal	Member
3. Dr. Shweta Bhatia	Member
4. Dr. Jitendra Rathore	Expert from Academics
5. Ms. Rashmi Chandra	Expert from Industry
6. Mr. Tanmay Pattanayak	VC Nominee

1. The minutes of the previous Meeting of BOS held on 15 May, 2018 were confirmed.
2. The syllabus of BBA, B.Com and M.Com were approved without any changes for the academic session 2018-19.
3. The syllabus of BBA and MBA distance learning programme were approved without any change for the academic session 2018-19.
4. The Board approved the courses to be run under MOOCS for UG and PG programme w.e.f 2018-19.
5. The Board has approved the introduction of Value added courses in MBA & BBA. The Syllabus of 10 Value Added courses (6 for BBA & 4 for MBA) were also approved.
6. The members were apprised about the Final Placement done for MBA (2016-18) batch and BBA (2015-18) batch and the Summer Internship organized for MBA (2017-19) batch and BBA (2016-19) Batch. All members appreciated the efforts done by all the students of BBA & MBA during summer internship. Also the mid-evaluation summer internship reports were reviewed.
7. The End-Semester reports (Jan-June, 2018) for the department were discussed.
8. The faculty feedback report for the last odd semester (Jan-May, 2018) was discussed, certain grey areas were noted and unanimously agreed to work more effectively to overcome with the problems in the next semester.

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9. The members were informed about the major events organized during the semester e.g, Annual Convocation, Alumni Meet PUNARNAVA and Poster Presentation Contest etc.

10. Also the members were apprised reg. the Industrial Visit conducted at Gaston Energy, Jaipur for BBA and MBA students during the semester.

11. The Board appreciates the efforts of the Faculty Members for the sincere participation/presentation of research papers in Conferences, Seminars and Workshops.

12. The members were apprised regarding the MoU signed between Jagan Nath University and UR Education Pvt. Ltd. and Future Sharp for MBA (Industry Integrated) and BBA (Retail) respectively..

13. The detailed plan of action of the department was discussed for ensuing semester (July-December, 2018).

The meeting ended with a vote of thanks to the Convener.

Dean
Faculty of management
Jagannath universty

Dr. Vaishali Sharma

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ABOUT US

The Faculty of Management , Jagannath University since its inception in 2008 , has been nurturing the skills of its students through its highly demanding professional courses of MBA & BBA. It helps them shape into dedicated professionals and attempts to strike an innovative balance between theory and practice of management concepts; by conducting various management activities throughout the course

JIMS Legacy of Excellence in **Higher Education**	Student Centric **Academic Environment**	**Knowledge Resource Center**
Separate Hostel Facility for Boys & Girls	**Wi-Fi Enabled Campus**	**Transport Facility Resources**

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PURSUE YOUR PASSION WITH PG & UG VALUE ADDED COURSES

MBA I Semester : Advance Excel:

Imparts necessary advance excel skills to cope up with the every changing industry demand for analytics and decision making

MBA II Semester : Basic Course in Social Entrepreneurship:

Imparts insights into social entrepreneurship with necessary road up towards launching a social enterprise

MBA III Semester : Sustainable Development in Management:

Imparts necessary skills to ensuring sustainable development of organization in dynamic business environment

MBA IV Semester : Intensive Training & Placement:

Imparts skills and grooms prospective employees with presentation and industry skills to meet the demands of the corporate sector

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PURSUE YOUR PASSION WITH PG & UG VALUE ADDED COURSES

BBA I Semester : Database Management:

Imparts overview of Database Management along with its role in Data Mining

BBA II Semester : Sustainable Development in Management:

Imparts overview of necessary skills to ensuring sustainable development of organization in dynamic business environment

BBA III Semester : Quantitative Aptitude and Training :

Imparts training in quantitative analysis using statistical tools .

BBA IV Semester : Career Planning and Growth :

Imparts overview of corporate skill set requirement with tools and techniques to plan an individual`s career and growth avaenues

BBA V Semester : Basic Course in Social Entrepreneurship :

. Imparts insights into social entrepreneurship with necessary road up towards launching a social enterprise

BBA VI Semester : Web Designing :

Imparts training in designing websites and mobile apps

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VFOMM 01: Advance Excel (MBA - July Dec 2018

Course Objectives

1. To Analyze data for better decisions .Learn Excel to evaluate business Scenarios and to apply skills to save real life problems .

Course outcome

1. Student will be able to define outlines, custom values and templates in advance excel.
2. Student will be able to describe the mathematical functions & data function in excel.

Course Contents

Module I **Lectures-6**

Range Names, Lookup Function, Index Function, Match Function, Text Function, Date Function

Module II **Lectures-6**

Net Present Value, IPR, PV, RV, PPMT, IPMT Functions

Module III **Lectures-6**

If statements, Goal Seek command, Count IF, Count, COUNTA Functions

Module IV **Lectures-6**

COUNTBLANK Function, SUM IF Function

Module V **Lectures-6**

Introduction to SOLVER and problem Solving

Text Books:

1. Data Analysis and Business Modeling , Wayne L Winston (PHI)

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VFOMM 03: Sustainable Development in Management

Course Objectives:

The course will enable the student to

1. Have a fundamental understanding of challenges facing the companies
2. Have a basic understanding of the role and importance of sustainable development with respect to modern business environment
3. Understand Sustainable Development concepts and their role in contemporary business.

Course outcomes:

After completing this course, the student will :

1. Have a fundamental level of understanding relating Sustainable Development
2. Imbibe deep knowledge on the means for achieving Sustainable Development
3. Develop an understanding of the role and importance of sustainable for companies

Course Contents

MODULE I Introduction **Lectures – 6**

Economic Outlook of World Economy , Sectoral Outlook of Industry in India : CII Report , ASSOCHAM Report , Challenges faced by companies in India.

MODULE II Importance of Sustainable Development **Lectures - 6**

Concept , Definition of Sustainability , Importance of Sustainable Development for companies – Economic and Financial Perspective, Being climate positive , Role of circular economy.

MODULE III Achieving Sustainable Development **Lectures - 6**

Means for achieving sustainable development –TQM , Lean , Six Sigma , ISO Certification , Malcolm Baldrige Award, Deming Prize , Green Accounting

MODULE IV Role of HR **Lectures - 6**

Role of Human Resource in achieving sustainable development , Benchmarking best HR practices and policies supporting sustainable development , Current role of HRM in India with respect to Sustainable Development

MODULE V Sustainable Development for Stakeholders **Lectures - 6**

Importance of sustainable development for customers, community and government, Concept of Corporate Social Responsibility , Role of CSR in sustainable development , Role & Importance of Green Technology , Benefits of Sustainable Development to Stakeholders

Text Books:

1. **Sustainable Development Strategies , OECD ,UNDP,Taylor & Francis Ltd.**

Suggested Readings:

1. The Indian Economy , Sanjiv Verma , Unique Publishers
2. Total Quality Management , 3 Rd Edition , Poornima .M.Charantinath, Pearson
3. Human Resource Management , 8th Edition , K. Aswathappa
4. Strategic Corporate Social Responsibility : Stakeholders in a Global Environment , 2nd Edition , William B. Weather Jr, David Chandler

VFOMB 01: Data base Management

BBA
July Dec 2018

Course Objective:

1. To understand the different issues involved in the design and implementation of a database system.
2. To develop an understanding of essential DBMS concepts such as: database security, integrity, concurrency, distributed database, and intelligent database, Client/Server (Database Server), Data Warehousing.
3. To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a DBMS.

COURSE OUTCOMES

At the end of the course, a student will be able to understand

1. For a given query write relational algebra expressions for that query and optimize the developed expressions
2. For a given specification of the requirement design the databases using E-R method and normalization.
3. For a given specification construct the SQL queries for Open source and Commercial DBMS -MYSQL, ORACLE, and DB2.

Course Contents

Module: I

INTRODUCTION TO DBMS: Overview and History of DBMS. File System vs. DBMS .Advantage of DBMS Describing and Storing Data in a DBMS. Queries in DBMS.Transaction management and Structure of a DBMS.

Module: II

ENTITY RELATIONSHIP MODEL: Overview of Data Design Entities, Attributes and Entity Sets, Relationship and Relationship Sets. Features of the ER Model-Key Constraints, Participation Constraints, Weak Entities, Class Hierarchies, Aggregation, Conceptual Data Base, and Design with ER Model-Entity vs Attribute, Entity vs Relationship Binary vs. Ternary Relationship and Aggregation vs ternary Relationship Conceptual Design for a Large Enterprise.

Module: III

RELATIONAL MODEL:Relationship Algebra Selection and Projection, Set Operations, Renaming, Joints, Division, Relation Calculus, Expressive Power of Algebra and Calculus.

Module: IV

SQL AND TRIGGERS: The Forms of a Basic SQL Query, Union, Intersection and Except, Nested Queries, Correlated Nested Queries, Set-Comparison Operations, Aggregate Operators, Null Values, Triggers and Active Databases.

Module: V

NORMAL FORMS AND CONCURRENCY CONTROL:Normalization using Functional Dependency, Multivalued dependency and Join dependency. Concurrency Control: Lock Based ***Protocols; Time Stamped Based Protocols, Deadlock Handling.***

Recommended Reference Books:

1 Date C J, "An Introduction to Database System", Addision Wesley.

2 Korth, Silbertz, Sudarshan, "Database Concepts", McGraw Hill

3 Elmasri, Navathe, "Fundamentals of Database Systems", Addision Wesley

4 Leon & Leon, "Database Management System", Vikas Publishing House.

5 Bipin C. Desai, "An introduction to Database Systems", Galgotia Publication

6 Ramakrishnan, Gehrke, "Database Management System", McGraw Hill

7 Kroenke, "Database Processing: Fundamentals, Design and Implementation", Pearson.

VFOMB 03: Quantitative Aptitude & Training

Course Objectives:

The course will enable the student to

1. Have a fundamental understanding of aptitude and reasoning
2. Enhance the problem solving skills
3. Improve basic mathematical skills

Course Outcomes:

After completing this course, the student will:

1. Have a fundamental level of understanding of aptitude and reasoning.
2. Acquire satisfactory competence in use of aptitude and reasoning
3. Solve campus placements aptitude papers

Course Contents:

MODULE I

Number & Letter Series and Number & Letter Analogies

Different categories of series, Letter series, Typical relationships between numbers, coding and decoding, odd man out

MODULE II

Clocks and Calendars

Angles between Hour hand and the minute hand, Leap year and nonleap year, Counting the number of odd days

MODULE III

Decision Making and and Blood Relations

Decision making in basic conditions and alternate conditions different series of relationships and determining the relationship between two people

MODULE IV

Input and Output

Desired order of output, Methodical transformation through single element movement and interchange of elements

MODULE V

Time & Distance and Direction Sense

Distance between initial points and final points, determine speed, distance traveled through time and distance formula

Text Books:

1. **Quantitative Aptitude for Competitive Examinations R S Agrawal S Chand Publication**
2. **Quantitative Aptitude Servesh K Verma Arihant Publication**

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VFOMB 05: Basic Course in Social Entrepreneurship

Course Objectives:

The course will enable the student to

4. Have a fundamental understanding of Social Entrepreneurship
5. Have a basic understanding of the means to raise a social enterprise
6. Understand the emerging career opportunities and New Directions in the field

Course outcomes:

After completing this course, the student will :

4. Have a fundamental level of understanding relating Social Entrepreneurship
5. Imbibe deep knowledge on the means for establishing Social Enterprise
6. Develop an understanding of the role and importance of Social Enterprise in the Society

Course Contents

MODULE I Introduction **Lectures - 6**

Introduction to Social Entrepreneurship , Need & Reasons for growth of social entrepreneurship, Similarity & Difference from Non-Profit Organization & Social Service Providers

MODULE II Relationship of Social Enterprise **Lectures - 6**

Relationship of social enterprise with other companies and markets, Legal structure of social enterprise , Future & Impact of Social Enterprise on CSR & Non-Profit Social Service.

MODULE III Raising a Social Enterprise **Lectures - 6**

Choosing the right ideas for Social Enterprise, Formulation of business plan, Funding decision for social enterprise, Concept of a Social Impact Investor

MODULE IV Social Enterprise Business Models **Lectures - 6**

Financial Risk Analysis , Source of Funds , Scale –Up Models , Exit Strategy for Social Enterprise.

[ODULE V Directions for Social Entrepreneurs **Lectures - 6**

Ecosystem for Social Enterprise, Global Competition in Social Enterprise Development ,Successful case studies of social entrepreneurship ,New Directions for Social Enterprise , Emerging Career Opportunities.

Text Books:

2. Social Entrepreneurship :What Everyone Needs To Know , David Bornstein & Susan Davis , Oxford University Press

Suggested Readings:

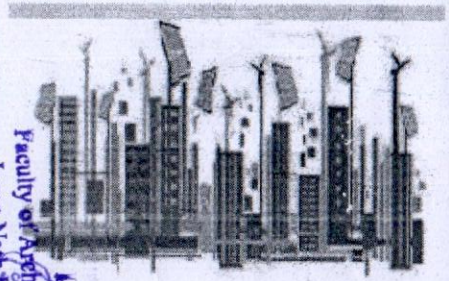
5. Social Entrepreneurship in India : Quarter Idealism & a pound of Pragmatism , Madhukar Shukla , Sage Publication
6. Building Social Business : The New Kind of capitalism that serves Humanity `s Most Pressing Needs , Md.Yunus with Karl Weber ,Perseus Book Group
7. The Unfinished Social Entrepreneur , Jonathan .C.Lewis , Red Press Publication

GREEN BUILDING

Green building practices promote the construction of buildings that are healthier for the occupants and healthier for the environment. Sustainable or "green" building practices can reduce the tremendous impact that building design, construction and maintenance have on both people and the environment.

IMPACTS-

- **Environmentally effective use of building materials**
- **Lower electric and water utility costs**
- **Enhanced physical and emotional health, increased**



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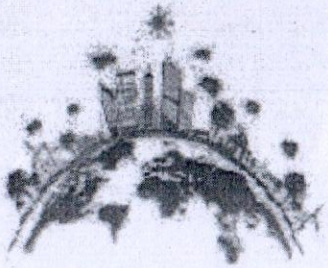

CONCEPT OF GREEN BUILDING

VALUE ADDED COURSE

Name of Course: Concept of green building & its Applications

Course Code: VAC 003

Syllabus

Objective

- To develop the understanding of concept of sustainable development in students.
- To develop the sincere concern about the impacts of the urbanization on the ecosystem.
- To lay emphasis on features and characteristics of a green building.
- To understand the role of green buildings helping in sustainability, environment& resource protection.
- To provide awareness and introduction to the clearance and certification system adopted in India.

Outcome:

After completion of this course student will be able to,

- Understand the concept of sustainable development and design environment friendly structures.
- Understand about the resource and energy consumptions.
- Understand about the clearance and certification system adopted in India.

Content

Module 1 (6 Hr.)

Introduction to Environmental Clearance

a) Background of Environment laws and protocol.

b) Ministry of Environment and Forests and its role in the process.

c) Need and purpose for environmental clearance.

d) Process of Environmental Clearances and concerned agencies.

Module 2 (6 Hr.)

Environmental Impact Assessment (EIA)

a) Environmental impact assessment.

b) Need and purpose of EIA.

c) Provisions and regulations of EIA; regulatory bodies for impact assessment.

d) Coastal regulation Zone.

e) Process and provisions of Environmental Impact Assessment for housing and site development.

Module 3 (6 Hr.)

Overview of Green Rating

a) Green Rating agencies in India and their Approach – BEE (ECBC), IGBC, TERI, EDGE etc.

b) Process of rating and Certification.

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Module 4 (6 Hr.)

LEED rating system

a) Brief background of the rating system, Need and purpose of rating.

b) Various criteria's for site development and building design.

c) Provisions for green certification.

Module 5 (6 Hr.)

GRIHA rating system

a) Brief background of the rating system, Need and purpose of rating.

b) Various criteria's for site development and building design.

c) Building typologies and the necessitated GRIHA rating.

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Architectural Acoustics:
Illustrated translates the quantitative and qualitative content of acoustics into the graphic language of architecture. This highly-visual guide includes over 350 illustrations that outline the physics of sound and the best design practices for limiting or mitigating noise in buildings by using the latest in materials and techniques

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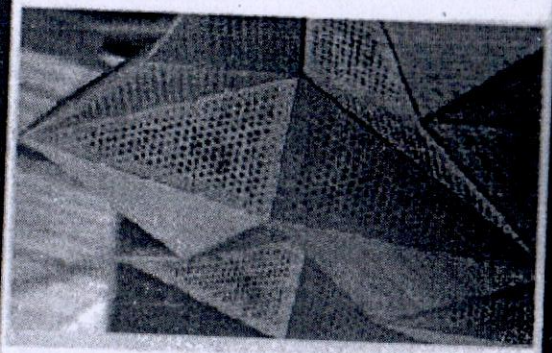

PRINCIPLES OF ARCHITECTURL ACOUSTIC

VALUE ADDED COURSE

Name of Course: Principles of Architectural Acoustics

Course Code: VAC002

Syllabus Sample

Objective

- To understand the importance of acoustics in architecture
- To introduce the concept of sound and noise and its characteristics and properties
- To understand the behavior of sound and various terminologies related to sound
- To study the acoustical materials and various acoustical design measures
- To study the measures to control noise and techniques to enhance sound quality

Outcome:

After completion of this course student will be able to

- Understand the importance of acoustics in architecture
- Learn the basic terminologies and definitions of sound along with the acoustical materials
- Design the spaces which are required acoustics like auditoriums, seminar halls, open air theatres
- Understand the measures to control noise in built and unbuilt environment

Content

Module 1 (8Hr)

Introduction about Sound and Noise: • Fundamental Properties and characteristics of sound. (Frequency, wavelength, velocity, pressure, pressure level, intensity, pitch, tone, loudness, timbre etc.) • Noise: Physiological and Psychological impact of noise on human beings. • Noise criteria for various spaces viz: Living areas, Educational areas, Offices, Shopping etc. • Measures to control noise nuisance (Air borne and Structure borne) in residential, educational, commercial, and Industrial areas along with calculations. A. Basic Terminology and definitions: • Physics of sound • Sound • Intensity & loudness • Characteristics of sound-frequency, amplitude, speed. • Reverberation time, absorption coefficient, echo, all the units related to sound • Effect of physical condition on sound-temperature, humidity, pressure

Module 2 (10 Hr)

Behavior of Sound: • Behavior of sound in open and enclosed spaces with reference to the form of enclosures, and various surface finishes. (Reflection, Absorption, Diffraction, Insulation, Transmission, Echo, Resonance, Reverberation etc.) • Acoustical materials along with their properties, behavior, selection criteria, use, and construction details. • Criteria for acoustic environment-type of Building, usage, Geometry shape, Surfaces, Sound absorption, Selection of acoustical materials & their application – for wall / partition, ceiling, floor • Noise control techniques and their applications. Predictions of acoustical conditions and approach to designing enclosure for predetermined acoustical responses, corrective of existing deficient enclosures.

Module 3 (12 Hr)

Acoustical Design: • Reverberation time, Sabine's formula along with the limitations and prerequisites. • Acoustical design measures for live acoustical environment in enclosures used for various purposes viz. Classrooms, Lecture halls, Auditoriums, Seminar Halls, Conference rooms, Meeting rooms, Theatres, Music concert halls, Opera houses, Dance halls, Open air theatres, Movie Theatres, Meditation centers, Group prayer halls etc. • Noise-physiological and psychological effects, transmission loss, flanking of sound, structure borne sound and noise from different mechanical equipments.

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Course Fees: Nil

DEPARTMENT OF EDUCATION

Duration: 32 hrs

Value Added Courses

B.Ed Students

- Soft Skill Development
- Management of School
- Personality Development
- Adolescent Care and Counselling

M.A. in Education

- Intellectual Property Rights
- Modern Pedagogical Techniques
- Communication Skills
- English for Effective Communication

GRADED CERTIFICATE WILL BE PROVIDED AFTER COMPLETION OF THE COURSE

Class Time: After Regular Classes/Weekend

Date of Commencement: After 07 days from semester begins

Course Outcome: At the end of the course, learners will be able

- **To understand about various skills**
- **To able to use soft skill**
- **To able to develop their Personality**
- **To able to communicate effectively**
- **To able to apply School Management skill.**

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Jagannath University
Jaipur

Contact for Registration

HOD, Department of Education

Jagannath University, Jaipur, Rajsthan, Mob. No. 9509250808

Anlesh.sharma@jagannathuniversity.org

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Sem-I

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Value Added Course:

Soft skill Development (VSSD)

Course objectives:

The course will enable the student

- This uniquely designed course aims at thorough understanding of the fundamental soft skills and of their practical social and workplace usage.
- It helps participants to communicate effectively and to carry themselves confidently and in harmony with the surroundings.
- They also learn how to identify and overcome the barriers in interpersonal relationships, and to employ oral and written communication, teamwork, leadership, problem-solving and decision-making skills, to gain best results.
- Students would find this course immensely useful for landing a great job, building a career and also finding employment as soft skills trainers, both in India and abroad.

Course Content:

Module-I: **Lecture 8**

- Soft Skills: An Introduction – Definition and Significance of Soft Skills; Process, Importance and Measurement of Soft Skill Development.
- Self-Discovery: Discovering the Self; Setting Goals; Beliefs, Values, Attitude, Virtue.
- Positivity and Motivation: Developing Positive Thinking and Attitude; Driving out Negativity; Meaning and Theories of Motivation; Enhancing Motivation Levels.

Module-II: **Lecture 8**

- Communication: Interpersonal relations; communication models, process and barriers; team communication; developing interpersonal relationships 7 through effective communication.
- Listening skills; essential formal writing skills; corporate communication styles – assertion, persuasion, negotiation.
- Public Speaking: Skills, Methods, Strategies and Essential tips for effective public speaking.
- Group Discussion: Importance, Planning, Elements, Skills assessed; Effectively disagreeing, Initiating, Summarizing and Attaining the Objective

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III sem.

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Value Added Course:

Personality Development (VPD)

Course Objectives:

- To develop students overall personality.
- To understand and aware about importance, role and contents of soft skills through instructions, knowledge acquisition, demonstration and practice.
- To improve his writing and documentation skills.

Module-I: **8 Hours**

- Concept, Meaning and Definition of Personality
- Elements of Personality
- Determinants of Personality
- Types of personality
- Personality analysis through body language and individual habits
- Physical aspects of personality
- Emotional stability
- Memory training

Module-II: **8 Hours**

- Mind and mental development
- Mental blocks
- Manners and art of living
- Self Assessment & Self evaluation
- Self discipline, Self Appraisal
- Self-Awareness, Self criticism
- Positive thinking
- Thoughtfulness and responsible

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Module-III: **8 Hours**

- Art of Good Communication:
- Verbal & Non-Verbal Communication
- Difference between Oral and Written Communication
- 7'Cs of Effective Communication

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Value Added Course:

Intellectual Property Rights (VIPR)

Objective The student

- To introduce fundamental aspects of Intellectual property Rights to students who are going to play a major role in development and management of innovative projects in industries.
- To disseminate knowledge on patents, patent regime in India and abroad and registration aspects
- To disseminate knowledge on copyrights and its related rights and registration aspects
- To disseminate knowledge on trademarks and registration aspects
- To disseminate knowledge on Design, Geographical Indication (GI), Plant Variety and Layout Design Protection and their registration aspects
- To aware about current trends in IPR and Govt. steps in fostering IPR

Content

Module 1 (10Hr)

Overview of Intellectual Property

Introduction and the need for intellectual property right (IPR) - Kinds of Intellectual Property Rights: Patent, Copyright, Trade Mark, Design, Geographical Indication, Plant Varieties and Layout Design – Genetic Resources and Traditional Knowledge – Trade Secret - IPR in India.
Patents - Elements of Patentability, Rights and Duties of Patentee, Assignment and license, Restoration of lapsed Patents, Surrender and Revocation of Patents, Infringement, Remedies & Penalties – Patent

Module 2 (8 Hr)

Copyright and Trademarks

Nature of Copyright - Subject matter of copyright, Registration Procedure, Term of protection, Ownership of copyright, Assignment and license of copyright - Infringement, Remedies & Penalties – Related Rights - Distinction between related rights and copyrights
Concept of Trademarks - Different kinds of marks,
Non Registrable Trademarks - Registration of Trademarks - Rights of holder

Module 3 (15 Hr)

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Faculty of Law

OFFICE CIRCULAR

Date : 27/7/2018

The following Value Added Courses classes are scheduled from August in Faculty of Law for Academic Session July – Dec. 2018.

S.No.	Value Added Courses
1	Legal and Moral Values in Law
2	Right to Information Act, 2005
3	Basics of Women empowerment
4	Principle of Human Rights

Students may contact coordinators of the respective programs for Registration.

Kapil Khatter

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Legal and Moral values in Law (VLMVL)

Course objective:-

- Values are socially accepted norms to evaluate objects, persons, and situations that form part and parcel of sociality.
- A value system is a set of consistent values and measures. Knowledge of the values are inculcated throug education.
- It contributes in forming true human being, who arable to face life and make it meaningful.
- There are different kind of values like, ethical or moral values, doctrinal or ideological values, social val and aesthetic values.

Course outcome:-

- Leads students through a process of discovering and reflecting on oneself as a spiritual being and moral agent, that is someone who is an individual but also a member of communities, with the relative rights an obligations;
- Seeks to educate them in the notion of self-reflective responsibility and to making something positive of their lives.
- Contributes towards their moral and spiritual capacity to value, appreciate, perceive and critically interpret the world they live in;

Content

Module-I:

Supreme Court Rules 1966 and
Supreme Court Rules 1966

i. Advocates and their Course of Conduct
ii. Role of Single Judge and Registrar of the Supreme Court
iii. Types of Petition Entertained by the Supreme Court, Writ petition, Election Petition

Module- II:
Delhi High Court Rules 1967
Delhi High Courts Rules

iv. Advocates and their Course of Conduct
v. Role and Power of Single Judge
vi. Civil and Criminal Jurisdiction of the Court

Module-III:
The Limitation Act, 1963 and The Registration Act, 1908

a. Limitation
   i. Procedural Law: Section 5 Condonation of Delay, ss6-9 Legal Disability, ss14-15 Exclusion of Time of Proceeding in Good Faith in Wrong Court, ss18-19 Acknowledgement
   ii. Substantive Law: S25 Law of Prescription and s27 Adverse Possession, s 29 Saving Clause
b. Registration
   i. Compulsory Registered Documents s17
   ii. Optional Registration s18
   iii. Time and Place for Registration ss23-31

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iv. Effects of Registration and non Registration ss47-50

Module-IV:
Bench-Bar Relations

a. The Advocates Act, 1961
b. State Bar Council and Bar Council of India; Duties and Functions
c. Professional Misconduct and Punishments s35
d. Role and power of Disciplinary Committee ss36-42

Module- V:
Legal Ethics

a. Duty to Court, Client, Opponent, Colleagues s7 and s49, along with the Rules of the Bar Council India
b. Duty towards Society

References:

1. *Kailash Rai, Legal Ethics*, CLP, 2007 (7th Edn)
2. Ramachandran Raju & Gaurav Agarwal, *B.R. Agarwala's Supreme Court Practice and Procedure*, Eastern Book Company, 2002

RIGHT TO INFORMATION ACT,2005 (V RTI) (2)

Course objective:-

- The RTI empowers people to seek information from the government and public organizations and ask for government documents and their copies.
- Through the RTI, citizens know about government decisions and the limitations of the country and the government. RTI promotes transparency and accountability.

Course outcome:-

- Right to Information is just like oxygen for democracy. It stands for transparency. Information would lead to openness, accountability and integrity.
- Besides, apart from ensuring greater transparency it also acts as a deterrent against the arbitrary exercise of public powers. A culture of individual action, political consciousness and public spirit is the basis for the success of democracy.

Content

Module 1

Introduction of Right to Information Act 2005:
History, Background, Objectives, Preamble of Right to Information Act 2005, Obligation of Public Authorities (Section 3 to 11)

Module 2
Right to Information in Global Perspective:
(World right to Know)

a) United Nations and the Right to Information
b) The Commonwealth and the Right to Information
c) The Right to Information in USA
d) The Right to Information in UK
e) Rome Convention for the Protection of Human rights and Fundamental Freedoms, 1950

Module 3

Right to Information as Constitutional rights:
Protection of Article 19(1) (a), Right to privacy, Contempt of Court, Public Interest vis-à-vis Information

Module 4

The Central Information Commission:
Constitutions, Eligibility criteria and Process of Appointment, Term of Office and Condition of Service, Removal of Informational Commissioner

Module 5

The State Information Commission:

Constitutions, Eligibility criteria and Process of Appointment, Term of Office and Condition of Service, Removal of Informational Commissioner, Right to Information and E-Governance: Electronic Information Dissemination, need for regulation, Jurisdiction in Cyberspace: Problem And perspective

Module 6

Power and Function:

Information Commission, Appeal and Penalties under Right to Information Act 2005, Breach of Confidentiality and Privacy-The Indian perspective An 'offence' under the Indian Information Technologies Act 2000

Module 7

Right to Information and Other Acts, Reports, Bill :

a. The official Secrets Act,1923
b. Public records Act 1993, Public records rules 1997
c. The Freedom of Information Act 2002
d. Reports of National Commission to Review the working of the Constitution ,2002(relevant provisions)

BASICS OF WOMEN EMPOWERMENT (VBWE)

Course Objective: This paper is

- Undertakes, promotes and coordinates both fundamental and applied research on women and development;
- Organizes and assists training programmes for scholars, communicators, members of women's organizations/ cooperatives etc.;

Course Outcomes: - Students graduating with Law of Contract will be able to:

- The principal output of the Commission on the Status of Women is the agreed conclusions on priority themes set for each year.
- Agreed conclusions contain an analysis of the priority theme and a set of concrete recommendations for governments, intergovernmental bodies and other institutions. civil society actors and other relevant stakeholders, to be implemented at the international, national, regional and local level.

Content

Module I:
FUNDAMENTAL CONCEPTS OF WOMEN'S STUDIES
Definition- Objectives of Women's Studies; Importance of Women's Studies; Women's Studies as an Academic Discipline; Role of UGC Centre for Women's Studies; Women's Studies in India and Abroad – Origin and Growth.

Module II:
EMPOWERMENT
Women in Higher Education; Gender issues in Health, Environment, Family welfare Measures, Indecent representation of Women in media; Women in Difficult circumstances; Constitutional.

Module III:
ECONOMIC EMPOWERMENT
Introduction-organized sector, unorganized sector; Role of Women in Economic Development – Female Poverty and Poverty alleviation programmes; Status of Women farmers and land rights; Women Entrepreneurs; Impact of Globalization on working women; National Policy for the empowerment of women 2001.

Module IV:
POLITICAL EMPOWERMENT
Political participation of women – Political Socialization- Women leaders in politics- Women in Local Governance- Barriers- Reservation policies- Women's Political Rights: CEDAW.

Module V:
SOCIAL ISSUES REGARDING WOMEN
Issues of Girl child, Female, infanticide and foeticide, Sex Ratio child marriage, Dowry & Property Rights, Violence against Women, Domestic violence, Female Headed Households' , Women in the Unorganized sector of Employment, Women's work- Status and problems. problems of Dalit women.

REFERENCES

1. **Amy S. Wharton.** (2005). "The Sociology of Gender: An Introduction to Theory and Research". (KeyThemes in Sociology) Blackwell Publishing, UK, Indian Reprint,Kilaso Books, New Delhi.
2. **Devaki Jain and Pam Rajput (Ed).** (2003). "Narratives from the Women"s Studies Family: Recreating Knowledge, Sage, and New Delhi.
3. **Jasbir Jain (Ed).** (2005). "Women in Patriarchy; Cross Cultural". Rawat Publications, Jaipur.
4. **KumkumSangari and SudeshVaid.**"Recasting Women: Eassy in Colonial History".
5. **Lerner, Gerda.** (1986). "The Creation of Patriarchy". Oxford University Press, New Delhi.
6. **Maithreyi Krishna Raj.** (1986). "Women Studies in India: Some Perspectives". Popular Prakasham, Bombay.
7. **Mala Khullar, (Ed).** (2005). "Writing the Women"s Movement: A Reader". Zubaan, Kali for Women, New Delhi.
8. **Mies, Maria.** (1980). "Indian Women and Patriarchy". Concept Publishing Company, New Delhi.

(4)

Principle of Human Rights (VPHR)

Course objective:-

- Describe specific theoretical, conceptual and practical challenges facing the fields of human rights law and sustainable development, adopting an interdisciplinary approach.
- Articulate critical analysis on the relationship between respect for human rights and sustainable development.

Course outcomes:-After studying this course, you should be able to:

- Understand the historical growth of the idea of human rights
- demonstrate an awareness of the international context of human rights
- demonstrate an awareness of the position of human rights in the UK prior to 1998
- understand the importance of the Human Rights Act 1998
- Analyze and evaluate concepts and ideas.

Content

Module -I
A Conceptual Understanding of Human Rights
Human Rights Concept, Definition, Meaning & Nature, Human Values: Liberty, Equality and Justice

Module – II
Administration of Criminal Justice and Human Rights
Role of Criminal Justice System, Administration of Criminal Justice: Ordinary Courts; Special Courts, District Courts, Human Rights Courts, Naya Panchayat, Lok Adalt, Fast-Track Court.

Module –III
Human Rights Problems
Police Atrocities and Custodial Torture, Violence against Women and Children, Communal Violence; Caste and Class Conflict, Terrorism and Insurgency

Module –IV
Rights of the Accused
Rights of Accused; Double Jeopardy, Against Self- Incrimination, Production Before Magistrate, Fair Trail, Speedy Trail, Appeal, Parole and Probation.
Rights of Prisoner: Legal Aid, Access to Justice and Speedy Justice; Right to Compensation, Prison Reforms.

REFERENCES

- Bava, Noorjahan, (ed), (2000), *Human rights and Criminal Justice Administration in India*, Uppal Publishing House, New Delhi.
- Vibhute Baxi, Upendra, (1988), Clemency, Extradition and Death: The Judicial Discourse in Keher Singh, *Journal of Indian Law, Vol. 30, and No. 4.*
- Bhagwati, P.N.,(1985,) Human Rights in the Criminal Justice System, *Journal of Indian Law Institute, Vol. 27, No. 1.*

- Arora, Nirman, (1999), Custodial Torture in Police Stations in India: A Radical Assessment, *Journal of Indian Law Institute, Vol. 41, Nos 3 and 4.*
- Vibhute, K.I, (1990), Compensating Victims of Crimes in Indian Society, Delhi Shubhi
- Ghosh, S.K., (1993), *Torture and Rape in Police Custody*, New Delhi: Asish Publishing House.
- Guttal, G.H, (1986), Human Right: The Indian Law, *Indian Journal of International Law, vol. 26.*
- Vada Kumchery, James, (1991), *The Police and Delinquency in India*, New Delhi: APH Publishing Corporation.

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Circular

No. IAG/JNU/SP-1

Dated:09.01.2019

It is inform to all the Even Semester students of B.Sc.(Hons) Agriculture for registration of Value Added Courses(VAC). The registration will be starting from 16/01/2019 till 23/01/2019. The classes will be starting from February 03, 2019. The students can contact to Dr S.L.Sharma for further queries.

The following courses are offering for respective semester.

1. Dairy farming practices: Novel Initiatives & Extension Approaches **(II semester)**
2. Developing Agribusiness Skills among farmers for maximizing farm Income **(IV Semester)**
3. Organic Pest Management: Sustainable Agriculture **(VI Semester)**

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Faculty of Science
Deptt of Agriculture

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1. P.S. Chairman
2. P.S. to President
3. P.S. Chairman
4. Registrar

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Jagannath University Jaipur is offering Value Added Certificate Courses that are being conducted by various departments to complement students' knowledge and skills in their field of study. Courses offered are chosen based on current trends, relevance and value in the job-market.

Duration: 30-34 hours
Timings: 04:30 pm to 05:30 pm
Date of Commencement: February, 2019

Registration & other details: Registration will open from **16.01.2019** to **23.01.2019** through a link on website www.jagannathuniversity.org Students should contact **Prof. S. L. Sharma** (I/c value added courses) for further queries.

Course Certificate: Certificate mentioning acquired grade will be provided as per performance in test at the end of Course.

Participants: Students of II, IV and VI semester from JAGAN NATH UNIVERSITY may apply.

Semester	II
Course Title	**Dairy Farming Practices: Novel Initiatives and Extension Approaches**
Objectives	▪ The guiding objective for good dairy farming practice is that milk should be produced on-farm from healthy animals under generally accepted conditions. ▪ To achieve this, dairy farmers need to apply Good dairy practices in the following areas: o animal health • milking hygiene• animal feeding and water • animal welfare • environment ▪ To establish link between the Institute and Industry on one hand and the farming community on the other. ▪ To disseminate the results of research to the field for adoption through various extension teaching methods. ▪ To provide feedback on problems of industry and dairy farming to

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	the institute for investigation.
Course Details	Introduction to the course. Gender perspectives in adoption of good daiy farming practices and women empowerment approaches. Good dairy farming practices: concept and importance for future dairying. Good practices in feed and fodder management. Good housing practices. Good practices in cattle health care management. Improving reproductive efficiency of dairy animals. Strategies for genetic improvement of dairy animals. Good dairy management practices for climate change scenario. Feeding practices for dairy animals. Good conservation practices for indigenous dairy animals. Good conservation practices for Indigenous Dairy Animals. Clean milk production practices: Issues and opportunities. Good practices for quality milk production Good practices in handling of milk & milk products. Organic livestock production system. Good extension practice tools for field extension functionaries. e-Extension approaches for promoting GDFPs. Techno-economic feasibility of dairy projects using computer simulated models. Innovative extension approaches for effective technology transfer. Scientific fodder management to augment milk productivity. Climate smart practices for livestock farming. Fermented dairy products: Importance, Issues and Challenges. Technology application strategies in dairy farming. Recent technological advancements in dairy production. Recent technological advancements in dairy processing.
Faculty	Mr. Ganesh Ram Jat

Semester	IV
Course Title	**Developing Agribusiness Skills among Farmers for Maximizing Farm Income.**
Objectives	Understand the nature of agribusiness products Gain knowledge on operations planning and management in agribusiness Gain insight on the macroeconomic forces affecting agribusiness development and their impacts

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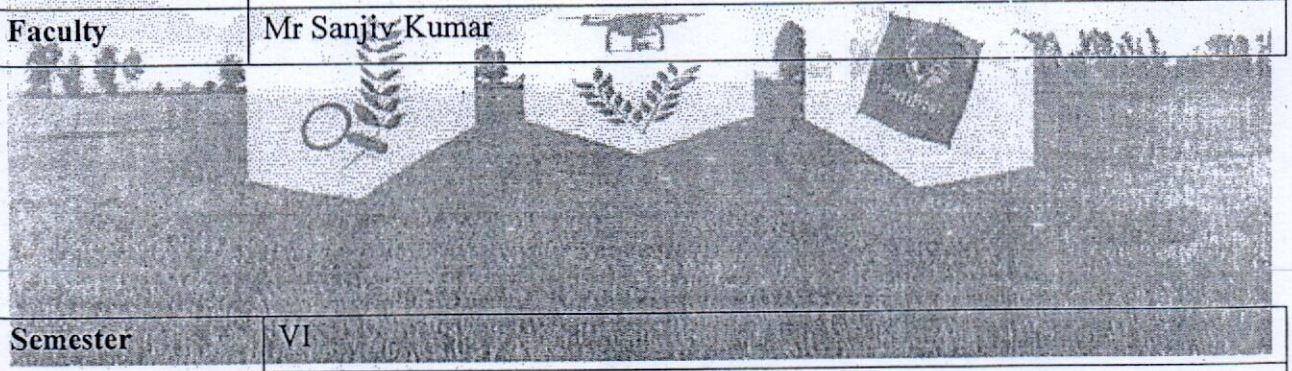
	Gain skills on of agribusiness development as a source of livelihood Gain knowledge on farm income and investment analysis Gain skills on agricultural marketing Gain knowledge on technological skills applied in agriculture
Course Details	Overview of rural agribusiness development, Nature of agribusiness products and Production resources, Agricultural marketing concepts, Farm marketing objectives and strategies, Target marketing, Market research and Managing marketing, Data analysis in Agribusiness, ICT in Agriculture, GIS and Remote sensing application in Agriculture and Monitoring and Evaluation in Agriculture. Production planning and budgeting, Value-added product processing, appropriate post-harvest technology, Agribusiness contracting, Agricultural cooperatives, credit and financing and Farm income and investment analysis. Training needs and contents identification, Selecting training methods and techniques and Planning and implementation of extension programs, Political-Legal forces, Social-Cultural forces and Technological and Economic force.
Faculty	Mr Sanjiv Kumar



Semester	VI
Course Title	**Organic pest management: Sustainable Agriculture**
Objectives	Enhance communication, coordination and strengthen collaboration among IPM stakeholders. Make efforts to promote ecologically sound and issue oriented IPM approaches for the benefit of the society. Facilitate the foundation and execution of projects, advocating optimum use of available resources to enhance productivity of cropping system

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	Large scale and sustainable implementation IPM in India, rationalizing the use of pesticide while maintaining production levels and increasing farmer's profit.
Course Details	Define IPM, Good organic pest control and management entails weed control, weed prevention, organic insect control and plant disease control, all of which rely on approaches and techniques such as integrated pest management, biological control, ecological strategies, physical control and shade cloths, relation between the weed, insect and pathogen. Alternative farming movements in the tropics. tropical agriculture and food security, Transforming the Rural tropics: Property, markets, cooperatives, and Technological Change. Social Organization and Sustainability of Small Farm Agriculture, Agro ecological Education and Training, Ecological Pest Management .Intercropping, Mechanization, Advances in Integrated and Organic Soil Management ,Waste Recycling ,Integration of Crops and Livestock, Urban Agriculture, Agronomic Crop Production ,Medicinal Crops. Ecological Considerations for the Future of Food Security in India. Sustainable Agriculture in India. Projects comparing conventional and alternative crop production practices, soil preparation; use of composts, mulches, and manures;, plant spacing and combinations; agro forestry, germplasm evaluation, use of pest resistant cultivars and inter planting of cotton with wheat or maize. Use of lamps and poplar twigs. Identify ecological and biological characteristics important in development of pest populations. Describe different groups of pests and compare them to weeds and plant pathogens. Analyze and compare management tactics to determine the best approach to reducing pest populations, weeds, and disease presence
Faculty	Ajay Kumar

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Name of Course: Dairy Farming Practices: Novel Initiatives and Extension Approaches (VACAG-201)

Objective:

The guiding objective for good dairy farming practice is that milk should be produced on-farm from healthy animals under generally accepted conditions.

To achieve this, dairy farmers need to apply Good dairy practices in the following areas:

• animal health • milking hygiene• animal feeding and water • animal welfare • environment

To establish link between the Institute and Industry on one hand and the farming community on the other.

To disseminate the results of research to the field for adoption through various extension teaching methods.

To provide feedback on problems of industry and dairy farming to the institute for investigation.

Content

Module 1 (13Hr)

Introduction to the course. Gender perspectives in adoption of good daiy farmig practices and women empowerment approaches. Good dairy farming practices: concept and importance for future dairying. Good practices in feed and fodder management. Good housing practices. Good practices in cattle health care management. Improving reproductive efficiency of dairy animals. Strategies for genetic improvement of dairy animals. Good dairy management practices for climate change scenario. Feeding practices for dairy animals. Good conservation practices for indigenous dairy animals.

Module 2 (11Hr)

Good conservation practices for Indigenous Dairy Animals. Clean milk production practices: Issues and opportunities. Good practices for quality milk production Good practices in handling of milk & milk products. Organic livestock production system. Good extension practice tools for field extension functionaries. e-Extension approaches for promoting GDFPs. Techno-economic feasibility of dairy projects using computer simulated models. Innovative extension approaches for effective technology transfer.

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Module 3 (10Hr)

Scientific fodder management to augment milk productivity. Climate smart practices for livestock farming. Fermented dairy products: Importance, Issues and Challenges. Technology application strategies in dairy farming. Recent technological advancements in dairy production. Recent technological advancements in dairy processing.

Outcome:

After completion of this course student will be able to

1. Animal Health

Animals that produce milk need to be healthy and an effective health care programme should be in place.

2. Milking Hygiene

Milk should be harvested and stored under hygienic conditions. Equipment used to harvest and store milk should be suitable and well maintained.

3. Nutrition (Feed and Water)

Animals need to be fed and watered with products of suitable quality and safety.

4. Environment

Milk production should be managed in balance with the local environment surrounding the farm.

5. Socio-Economic Management

Dairy farming provides economic and social benefits to farmers and their wider communities.

Good dairy farming practice can also help to manage the social and economic risks to the enterprise.

e- Extension

Students will gain knowledge and skills in understanding the concepts of Information and communication technologies and how these ICT tools can be used for Agricultural Extension.

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Besides, he studies various ICT projects which are successful in delivering the services to the clientele fulfilling the objective of Transfer of Technology i.e. Reaching the unreached.

References:

1. Banerjee, G.C. 2013. A Taxe Book of Animal Husbandry. 8th Ed.ICAR.
2. Choudhary J.L. and Gupta Lokesh. 2016. a Text Book of Animal Husbandry. Somani Publication
3. Devendra C and Mecleroy GB 1982. Goat and Sheep Production in Tropics.
4. Dimri,U, Sharma,M C and Tiwari R.2013. Swine Production and Health Management. New India Pub Agency.
5. Sastry N S R and Thomas, Ck 2006. Livestock Production and Management. Kalyani
6. Singh, R A. 1996. Poultry Production 3rd Ed Kalyani.
7. Thomas CK and Sastry,NSR.1991. Dairy Bovine Production. Kalyani.

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OFFICE ORDER

CIRCULAR

Subject: Value Added Certificate Course **Date:** 01/10/2018

All the students are here by informed that Department of Physiotherapy, Jagannath University is going to conduct **"Value Added Courses"** for various programs of Physiotherapy for session July 2018 to June 2019. You all are instructed to enroll your name and join the classes according to the displayed time table on department notice board without any failure.

This issues with the approval of the competent Authority.

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Department of Physiotherapy
Jagannath University

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- To the Dean academic welfare

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Jaipur (Rajasthan) INDIA

Value Added Course: Clinical Sports taping

(V-ST)

Course objectives: The course will enable the student

- To understand the general anatomy & physiology of soft tissue ,muscles & joints

- To introduce step by step applications of taping for chronic edema, scar and facial management, nerve taping as well as acute and chronic pain management.

- To increase knowledge and develop the professional skills required to identify common injury sites and to offer appropriate intervention for the preparation and treatment of the site using taping and strapping.

Course Content:

Module –I **Lecture 10**

- Introduction of anatomical joints ,soft tissue ,& muscles
- Motor control
- Muscle injury , ligament tear during sports ,basic biomechanics in sports person , Biomechanical Principles, Levers, Hysteresis, Tendinopathy
- Physiological effects of tapping
- Indication and contra -indication of sports injury taping.
- Common athletic injuries
- Sprain ,strain

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Module –II **Lecture 08**

- Introduction of taping and taping kit
- Application
- Assessment of patient
- Physiology of acute pain and its treatment by taping.
- Fundamental Concepts and Techniques
- Advanced Techniques and Clinical Reasoning
- Overuse syndrome
- Muscle correction theory

Module-III **Lecture 12**

- How to use Dynamic tape , explain the different usages of Dynamic Tape Application Techniques.

- Upper Limbs

1) Shoulder
2) Elbow
3) Hand

- Lower Limb

1) Patello-femoral Joint –
2) Hip
3) Ankle
4) Foot

- Correctional Technique
- Ligament (Tissue Lift) Technique

- One of the three methods of safely removing Tape from skin.

Books Recommended:

i) human anatomy by B.D Chaurasia

ii) A practical guide to kinesiology taping By john gibbons

iii) kinesiology taping by john langendoen and Karin sertel

iv) Kinesiology Taping: Your Guide To The Best Methods And Techniques by Little pearl

v) Fundamental of biomechanics Sport And Exercise by Peter Merton McGinnis

Course Outcomes

At the end of the course, a student will be able

- Gain knowledge about the type of tapes & its uses.
- Able to apply the concept of taping in various sports injury
- Able to understand the sports biomechanics.

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Value Added Course: Understanding of Acupressure point and treatment

(V-AP)

Course objectives: The course will enable the student

- To understand the basics of pressure point.
- To develop an effective treatment plan using acupuncture and other accessory techniques.
- To treat or prevent illness using acupuncture and accessory techniques while complying with current best practices.
- To assess the effectiveness of the acupuncture treatment plan and modify as needed.

Module –I Lecture 10

Overview of genral anatomy of motor points and pressure points in human body ,definition and concepts of Acupressure,principles of Acupressure,Material and methods of Acupressure, Contra indications and complications of Acupressure, General Physiological effects of Acupressure.

Module –II Lecture 6

Reflexology, history, development & principles.,Body and its reflex zones. Applications, indications and contraindications.,Preventive aspects of reflexology.

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MODULE-III

Lecture 14

TECHNIQUES- uses of acupressure TECHNIQUES in following conditions -

- Tension headache
- Migraine
- Shoulder pain
- Chest muscle pain
- Upper & lower back pain
- Menstrual cramp
- Elbow pain
- Knee pain
- Hand and foot pain

Books Recommended:

i) human anatomy by B.D Chaurasia

ii) The Acupressure Atlas by Bernard c.kolster M.D

iii) Acupressure Points Guide By Curtis Johnston

iv) Acupressure's Potent Points: A Guide to Self-care for Common Ailments Book by Michael R. Gach

v) Hand Reflexology and Acupressure by by Chen Feisong and Gai Guozhong

vi) Handbook of Reflexology by Laura Norman and Thomas Cowan

vii) Essentials Of Medical Physiology by K Sembulingam

Course Outcomes:

At the end of the course, a student will be able

- Understand the topographic and gross anatomy of the most common insertion sites used in Acupuncture .

- Identify, using standardized palpation manoeuvres to access a broad selection of anatomical structures relevant to the practice of Contemporary Medical Acupuncture , motor points, muscle-tendon junctions, tenoperiosteal attachments, ligaments, joints, peripheral nerve trunks and peripheral neurovascular bundles.

- Understand the basic mechanisms of acupuncture and treat various diseases accordingly.

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OFFICE ORDER

CIRCULAR

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Head of Department
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Jaipur (Rajasthan) INDIA

Value Added Course: Spinal Manipulation with osteopathy techniques

(V-SM)

Course objectives: The course will enable the student

- To understand the anatomy and biomechanics of spine.
- To learn spinal assessment.
- To understand patho-mechanics of spine.
- To learn osteopathic diagnostic & treatment techniques for spinal conditions.
- To learn osteopathic methods of diagnosis and differential diagnosis of different human body systems

Course Content:

MODULE-I:

(10 Hour)

Anatomy of spine: Consists of lectures covering the human body and incorporates adult human gross anatomical content, parts of vertebrae, vertebral articulation, muscle attachments, Human Anatomy focuses on the structural and functional relationships within the back, head, neck, upper and lower limb regions ,Anatomical content is closely integrated with the biomechanical function of typical & atypical vertebrae

Biomechanics of spine: Introduces clinical biomechanical principles and properties of the spine, Mechanical concepts of basic body mechanics, kinesiology of spine, joint play, Kinetics and kinematics of spine, The biomechanics of the joints of the upper and lower limbs, lumbar, cervical and thoracic spine are examined to explain how pathologies develop, lumbar spine functional anatomy, lumbar spine patho-mechanics, and the concept of lumbar spine stability.

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MODULE-II: **(8 Hour)**

Applied Clinical Osteopathic Techniques on Spine: Practical instructions to develop the skill of Palpation, Observation, and Assessment. Synovial joints, indications for osteopathy with spinal manipulation, conditions for manipulation, motion palpation and static joint challenge.

MODULE-III: **(12 Hour)**

Osteopathic Treatment for Spine; Philosophy, Concepts, Evaluation and Techniques: Historical and contemporary approach to health emphasizing aspects unique to the osteopathy profession. Different models of health care, philosophy, art, and science, as well as the sociology of osteopathy. Informed consent and ethics, professional ethics and the terminology, issues, and consequences related to this area of student and professional life. Ethical responsibilities of the health professional, Rationale and various techniques for manipulation

Books Recommended:

I. A Osteopathic Approach to diagnosis and treatment, Third Edition, Eileen L.Digiovanna, Dennis J. Dowling; Wolters Kluwer

II. The Iliosacral joint, Osteopathic Medicine, Second Edition, Gregoire Lason & Luo Peeters.

Course Outcomes:

At the end of the course, a student will be able

- To Understand how to apply controlled force to a joint of the spine
- To perceive spinal assessment for keen diagnosis of pathogenesis
- To apply clinical osteopathy treatment to spine
- To obtain and use an age-appropriate history; physical and clinical examination;
- To learn clinical problem-solving and reasoning;

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Value Added Course: Dry needling – Advanced Treatment for trigger points

(V-DN)

Course objectives: The course will enable the student

- To learn the current myofacial and trigger point concepts,
- To understand the neurophysiology of superficial and deep dry needling
- To learn the pathophysiology of muscles and trigger points ,
- To learn and understand the ethics, precautions and contraindications of Dry Needling in patients

MODULE-I **(8 Hour)**

The neurophysiology of superficial and deep dry needling, Ethics, Precautions and contraindications, Pain–spasm–pain cycle, Myofascial pain syndrome (mps), Active and latent myofascial trigger points, Muscle pain and trigger points

MODULE-II **(10 Hour)**

pathophysiology of muscles and trigger points ,superficial and deep DN, complications, do's and don'ts, Detailes of clean and safe needling techniques, No go areas, Referred pain and needle types and needle choices. Practical techniques of DN in the lateral thigh and superficial buttock, Gluteus Maximus, Gluteus medius, Gluteus minimus, piriformis, TFL ,iliopsoas and the lumbar spine muscles

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MODULE-III **(12 Hour)**

The Cervical Spine and upper quarter: surface anatomy and palpation skills and dry needling procedure of cervical spine, ribs, scapula and upper thorax. Trapezius, sternocleidomastoid cervical spine muscles, levator scapulae, rhomboids, the rotator cuff group and the pectoralis major and lattisimus Dorsi

The Orofascial area and extremities: surface anatomy and palpation skills and dry needling procedure of Head and face and temporomandibular muscles deltoid, biceps, triceps, brachialis, brachioradialis,forearm muscles supinator, pronator teres, common flexors and extensors quadriceps, adductors, sartorius, hamstrings, lower leg muscles popliteus, gastrocnemius, soleus, peroneius, FHL, tibialis anterior and tibialis posterior

Books Recommended:

I. He concise Book of Dry Needling, Practical Applicatons for myofascial Trigger point therapy, John Sharkey, Second Edition

II. Manual of Dry Needling techniques, Vol:1 Upper & Lower Quarter, Piyush Jain (pt),

III. Trigger point dry needling, An Evidence and clinical –based approach, Jan Dommerholt,. Second edition,

Course Outcomes: After completion of this course student will be able to

- Understand the basic scientific backgrounds of the myofascial pain syndrome and of trigger points.

- Identify the Top 30 muscles by surface anatomy, palpation and function. They will also understand their clinical symptoms and perpetuating factors.
- Identify the features of trigger points by physical examination and apply this knowledge to the top 30 muscles.
- Understand the specific indications and contraindications of Dry Needling.
- Have the ability to apply the safety rules for Dry Needling.

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Course Fee: Nil

Duration: 30 Hrs.

Faculty of Science
Department of Physical Sciences

Value Added Course: Laser Physics and Its Applications

Course Code: VLPA **Eligibility: Science Undergraduate**

GRADED CERTIFICATE WILL BE PROVIDED AFTER COMPLETION OF THE COURSE

Class Time: After regular classes

Date of Commencement: After 07 days from semester beginning

Course Outcomes: At the end of the course, learners will be able

- **Understand the role of resonant cavity in laser.**
- **Learn the concept of lasing action.**
- **Explain the phenomena of coherence.**
- **Describe how laser differ from other optical devices.**
- **Describe applications of laser in daily life.**

Expert Name: Dr. Amit Goswami

Contact for Registration

Head, Department of Physical Sciences, Faculty of Science,
Jagan Nath University, Jaipur, Rajasthan INDIA
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Course Fee: Nil

Duration: 30 Hrs.

Faculty of Science
Department of Physical Sciences

Value Added Course: Application of Matlab in various topics in Mathematics

Course Code: VAMM **Eligibility: Science Undergraduate**

GRADED CERTIFICATE WILL BE PROVIDED AFTER COMPLETION OF THE COURSE

Class Time: After regular classes

Date of Commencement: After 07 days from semester beginning

Course Outcomes: At the end of the course, learners will be able to:

- **Understand the main features and importance MATLAB /SCI-LAB mathematical programming environment.**
- **Apply working knowledge of MATLAB /SCI-LAB package to simulate and solve mathematical problems.**

Expert Name: Dr. Vivek Kumar Sharma

Contact for Registration

Head, Department of Physical Sciences, Faculty of Science,
Jagan Nath University, Jaipur, Rajasthan INDIA
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Course Fee: Nil

Duration: 32 Hrs.

Faculty of Science
Department of Physical Sciences

Value Added Course: Applications of Textile Chemistry

Course Code: VATC **Eligibility: Science Undergraduate**

GRADED CERTIFICATE WILL BE PROVIDED AFTER COMPLETION OF THE COURSE

Class Time: After regular classes

Date of Commencement: After 07 days from semester beginning

Course Outcomes: At the end of the course, learners will be able to:

- **Understand about the textile fibers.**
- **Learn the usages of fiber.**
- **Understand the dyeing process.**
- **Fulfill the specially regional and local needs, regarding dyeing and printing of textile material.**
- **Get more chances of employment in dyeing and printing textile Industries.**

Expert Name: Dr. Anil Kumar Sharma

Contact for Registration

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Faculty of Science
Department of Physical Sciences
Laser Physics and Its Applications (VLPA)

Course Objective

- To understand the concept of coherence.
- Know the mechanism of light emission.
- To understand the working of Laser.
- Understand the applications of laser.
- The students will be able to apply the concepts learnt to several real world problems.

Module 1 Coherence& Mechanism of Light Emission: Wave train, Coherence length, Coherence time, Bandwidth, Temporal coherence, Spatial coherence, Oscillating electric dipole, Thermal radiation, Ultraviolet catastrophe, Planck's radiation law, Photon, Spectrum, Spectral lines, Luminescence.

Module 2 Laser: Attenuation of light in an optical medium, Thermal equilibrium, Interaction of light with matter, Einstein coefficient, Light amplification, Population inversion, Metastable states, Components of laser, Lasing action, Principle pumping schemes, Role of resonant cavity, Modes of laser beam, Laser beam characteristics.

Module 3 Types of Laser&Laser Applications: Ruby laser, Nd:YAG laser, He-Ne laser, CO_2 laser, Semiconductor laser, Applications of Laser:Industrial applications, Medical applications, Military applications, applications in communication, scientific and engineering applications,Holography: principle and applications.

At the end of the course, the student will be able to:

CO1: Understand the role of resonant cavity in laser.

CO2: Learn the concept of lasing action.

CO3: Explain the phenomena of coherence.

CO4: Describe how laser differ from other optical devices.

CO5: Describe applications of laser in daily life.

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Reference Books:

1. BrijLal, M. N.Avadhanulu and N.Subrahmanyam, A Text Book of Optics, 25/e, S. Chand Publishing, 2012, ISBN: 9788121926119.
2. AjoyGhatak, Optics,6/e, McGraw-Hill, 2017, ISBN: 9780073380483.
3. M N Avadhanulu & Dr. P S Hemne, An Introduction to Lasers- Theory and Applications, S. Chand Publishing, 2001, ISBN: 9788121920711.

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Faculty of Science

Department of Physical Sciences

Value Added Course: Application of Matlab in various topics in Mathematics (VAMM)

Course Objective:

In order to help the students in exploration of mathematical concepts through activities, The computer simulation tool "Matlab" is introduced. To understand the basic principles of programming and implementing mathematical concepts in MATLAB. Writing numerical algorithms and evaluate the computational results using graphical representations.

Course Outcomes:

After completion of this course student will be able to:

- Understand the main features and importance MATLAB /SCI-LAB mathematical programming environment.
- Apply working knowledge of MATLAB /SCI-LAB package to simulate and solve mathematical problems.

Course Content:

Module 1 **(08 Hr)**

Installing MATLAB /SCI-LAB mathematical programming environment. Understand the main features and importance of MATLAB /SCI-LAB. Apply working knowledge of MATLAB /SCI-LAB package to simulate and solve mathematical problems .

Module 2 **(12 Hr)**

Inverse, Determinant and Eigenvalues, Transpose and Upper/Lower Triangular parts, Solving Linear Systems in MATLAB

Module 3 **(10 Hr)**

Plotting of Scalar and Vector fields, functions and polynomials, differentiation integration of functions their plots, are between the curves and length of curves, findings the root of an algebraic equation using Newton of Rophason method.

Books Recommended:

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Faculty of Science
Department of Physical Sciences
Value Added Course: Application of Textile Chemistry (VATC)

Course objectives:

The course will enable the student

- To introduce students with the world of textile fibers.
- To learn various varieties of fibers and their usages.
- To learn certain chemical properties of those fibers.
- To learn the dyeing process.
- To fulfill the regional and local needs regarding textile industries.

Course Content:

Module-I: **Lecture 8**

Definition and classification of textile fibers on the basis of their sources. Essential and desirable properties of textile fibers. Advantages and disadvantages of natural and manmade fiber. Fiber morphology, properties and uses of cotton, jute, flex, rammie, hemp, sisal and coir fibers, wool fiber and silk fiber. Hands on training based practices

Module-II: **Lecture 8**

Pretreatments: Processing sequence in conversion of Grey cotton goods into semi bleached, full bleached and color bleached fabrics. Chemical used in these processes. Introductory knowledge of machinery used in scouring and bleaching of fabric. Hands on training based practices.

Module-III: **Lecture 16**

Dyeing: Physical and Chemical principles involved in the application of Dyestuff e.g. Direct, Basic, Acid, Vat, Disperse, Azoic, Pigment dyes etc. to textile materials. Chemicals/auxiliaries used in dyeing. Introductory knowledge of dyeing machines. Printing: Introduction to various methods of printing of textiles, instruments and machinery used. Finishing: Object of finishing and application of various type of finishes, Elementary knowledge of finishing machines. Hands on training based practices.

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Books Recommended:

i. Handbook of Textile Fibres by J Gordon Cook.
ii. A Text Book of Fibre Science by Dr. S P Mishra.
iii. Manmade Fibres by RW Moncriff.
iv. Technology Of Dyeing-V. A. Shehnai, Vol. 6.
v. Chemical Technology of Fibrous Materials- Sadov.
vi. Textile Processing and properties- Vigo.
vii. Dyeing and Chemical Technology of Fibres-E.R. Trotman.
viii. Physical Chemistry of Dyeing-Vickerstaff.
ix. Cellulosic Dyeing-John Shore (SDC).
x. Textile Chemistry Vol 3- R. H. Peters.
xi. Theory of coloration of textiles- C. L. Bird.

Course Outcomes:

At the end of the course, a student will be able

1. To understand about the textile fibers.
2. To learn the usages of fiber.
3. To understand the dyeing process.
4. To fulfill the specially regional and local needs, regarding dyeing and printing of textile material.
5. To get more chances of employment in dyeing and printing textile Industries.

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Minutes of the Meeting of Board of Studies of Faculty of Management, Jagan Nath University, Jaipur

A Meeting of the Board of Studies of Faculty of Management, Jagan Nath University was held on 28th July, 2018 at 11:00 a.m in the Conference Room of the University.

The following members were present:

1. Dr. Vaishali Sharma	Convener
2. Dr. Shilpi Khandelwal	Member
3. Dr. Shweta Bhatia	Member
4. Dr. Jitendra Rathore	Expert from Academics
5. Ms. Rashmi Chandra	Expert from Industry
6. Mr. Tanmay Pattanayak	VC Nominee

1. The minutes of the previous Meeting of BOS held on 15 May, 2018 were confirmed.
2. The syllabus of BBA, B.Com and M.Com were approved without any changes for the academic session 2018-19.
3. The syllabus of BBA and MBA distance learning programme were approved without any change for the academic session 2018-19.
4. The Board approved the courses to be run under MOOCS for UG and PG programme w.e.f 2018-19.
5. The Board has approved the introduction of Value added courses in MBA & BBA. The Syllabus of 10 Value Added courses (6 for BBA & 4 for MBA) were also approved.
6. The members were apprised about the Final Placement done for MBA (2016-18) batch and BBA (2015-18) batch and the Summer Internship organized for MBA (2017-19) batch and BBA (2016-19) Batch. All members appreciated the efforts done by all the students of BBA & MBA during summer internship. Also the mid-evaluation summer internship reports were reviewed.
7. The End-Semester reports (Jan-June, 2018) for the department were discussed.
8. The faculty feedback report for the last odd semester (Jan-May, 2018) was discussed, certain grey areas were noted and unanimously agreed to work more effectively to overcome with the problems in the next semester.

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9. The members were informed about the major events organized during the semester e.g, Annual Convocation, Alumni Meet PUNARNAVA and Poster Presentation Contest etc.

10. Also the members were apprised reg. the Industrial Visit conducted at Gaston Energy, Jaipur for BBA and MBA students during the semester.

11. The Board appreciates the efforts of the Faculty Members for the sincere participation/presentation of research papers in Conferences, Seminars and Workshops.

12. The members were apprised regarding the MoU signed between Jagan Nath University and UR Education Pvt. Ltd. and Future Sharp for MBA (Industry Integrated) and BBA (Retail) respectively..

13. The detailed plan of action of the department was discussed for ensuing semester (July-December, 2018).

The meeting ended with a vote of thanks to the Convener.

Dean
Faculty of management
Jagannath universty

Dr. Vaishali Sharma

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ABOUT US

The Faculty of Management , Jagannath University since its inception in 2008 , has been nurturing the skills of its students through its highly demanding professional courses of MBA & BBA. It helps them shape into dedicated professionals and attempts to strike an innovative balance between theory and practice of management concepts; by conducting various management activities throughout the course

JIMS

Legacy of Excellence in
Higher Education

Student Centric
Academic Environment

Knowledge Resource Center

Separate Hostel Facility for Boys & Girls

Wi-Fi Enabled Campus

Transport Facility Resources

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PURSUE YOUR PASSION WITH PG & UG VALUE ADDED COURSES

MBA I Semester : Advance Excel:

Imparts necessary advance excel skills to cope up with the every changing industry demand for analytics and decision making

MBA II Semester : Basic Course in Social Entrepreneurship:

Imparts insights into social entrepreneurship with necessary road up towards launching a social enterprise

MBA III Semester : Sustainable Development in Management:

Imparts necessary skills to ensuring sustainable development of organization in dynamic business environment

MBA IV Semester : Intensive Training & Placement:

Imparts skills and grooms prospective employees with presentation and industry skills to meet the demands of the corporate sector

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PURSUE YOUR PASSION WITH PG & UG VALUE ADDED COURSES

BBA I Semester : Database Management:

Imparts overview of Database Management along with its role in Data Mining

BBA II Semester : Sustainable Development in Management:

Imparts overview of necessary skills to ensuring sustainable development of organization in dynamic business environment

BBA III Semester : Quantitative Aptitude and Training :

Imparts training in quantitative analysis using statistical tools .

BBA IV Semester : Career Planning and Growth :

Imparts overview of corporate skill set requirement with tools and techniques to plan an individual`s career and growth avaenues

BBA V Semester : Basic Course in Social Entrepreneurship :

. Imparts insights into social entrepreneurship with necessary road up towards launching a social enterprise

BBA VI Semester : Web Designing :

Imparts training in designing websites and mobile apps

VFOMM 02: Basic Course in Social Entrepreneurship (MBA) Jan May 2019

Course Objectives:

The course will enable the student to

1. Have a fundamental understanding of Social Entrepreneurship
2. Have a basic understanding of the means to raise a social enterprise
3. Understand the emerging career opportunities and New Directions in the field

Course outcomes:

After completing this course, the student will :

1. Have a fundamental level of understanding relating Social Entrepreneurship
2. Imbibe deep knowledge on the means for establishing Social Enterprise
3. Develop an understanding of the role and importance of Social Enterprise in the Society

ourse Contents

MODULE I Introduction **Lectures - 6**

Introduction to Social Entrepreneurship , Need & Reasons for growth of social entrepreneurship, Similarity & Difference from Non-Profit Organization & Social Service Providers

MODULE II Relationship of Social Enterprise **Lectures - 6**

Relationship of social enterprise with other companies and markets, Legal structure of social enterprise , Future & Impact of Social Enterprise on CSR & Non-Profit Social Service.

MODULE III Raising a Social Enterprise **Lectures - 6**

Choosing the right ideas for Social Enterprise, Formulation of business plan, Funding decision for social enterprise, Concept of a Social Impact Investor

MODULE IV Social Enterprise Business Models **Lectures - 6**

Financial Risk Analysis , Source of Funds , Scale –Up Models , Exit Strategy for Social Enterprise.

ULE V Directions for Social Entrepreneurs **Lectures - 6**

Ecosystem for Social Enterprise, Global Competition in Social Enterprise Development ,Successful case studies of social entrepreneurship ,New Directions for Social Enterprise , Emerging Career Opportunities.

Text Books:

1. Social Entrepreneurship :What Everyone Needs To Know , David Bornstein & Susan Davis , Oxford University Press

Suggested Readings:

1. Social Entrepreneurship in India : Quarter Idealism & a pound of Pragmatism , Madhukar Shukla , Sage Publication
2. Building Social Business : The New Kind of capitalism that serves Humanity `s Most Pressing Needs , Md.Yunus with Karl Weber ,Perseus Book Group
3. The Unfinished Social Entrepreneur , Jonathan .C.Lewis , Red Press Publication

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VFOMM 04: INTENSIVE TRAINING AND PLACEMENT PROGRAM

Course Objectives:

1. To provide student with an understanding of the requirements of the industry.
2. To encourage students to use a wide range of skills, and acquire open, critical and responsible attitudes.
3. To enhance the competitiveness & presentation ability of the students

Course Outcome:

After completion of this course, students will be able to:

1. Debate on the impact of various business environmental factors on the organization
2. Identify the key issues in daily business situations
3. Develop presentation and profession skills to meet the corporate requirements.

Lectures-06

Unit I Introduction

Overview of Industrial Sectors , Functional Departments in an Organization , Job Profiles in Functional Departments, Job Description – Description and Function, Overview of the Placement Process , Corporate Expectations of an Intern , Corporate Expectations of a Rookie.

Lectures-06

Unit II Role Play

Overview of Role Play exercise , Steps to success in Role Play , Exercise 1 : The Angry Customer , Exercise 2 : Internal Negotiation , Exercise 3 : Consulting , Exercise 4: Difficult/Vulnerable Patients , Exercise 5 : Sales

Unit III **Business Etiquette Training** **Lectures-06**

Role and Importance of. Etiquette in Business Transactions , Types of Etiquette expected of an Intern / Rookie, Phone Etiquette : Tips and Training, Business Dress Etiquette : Tips and Training, Office Etiquette : Tips and Training, Professional Conduct : Tips and Training, Interview Etiquette : Tips and Training

Unit IV **Mock Aptitude Tests** **Lectures-06**

Role and Importance of Aptitude Test in Recruitment Process, Aptitude Test 1: Numerical Ability , Aptitude Test 2: Diagrammatic Reasoning , Aptitude Test 3: Data Interpretation, Aptitude Test 4:Critical Reasoning , Aptitude Test 5: Spelling , Aptitude Test 6:Sentence Completion , Idioms, Paragraph Completion

Unit V **Mock Group Discussion & Mock Interview** **Lectures-09**

Role and Importance of Group Discussion in Recruitment Process, Tips for success in Group Discussion , Mock Group Discussion on Current Affairs , Mock Group Discussion on Social Issues , Mock Group Discussion on Business &Economics , Mock Group Discussion on Education, Mock Group Discussion on Indian Politics, Mock Group Discussion on Sports, Mock Group Discussion on Management Issues

Role and Importance of Interview in Recruitment Process, Tips for success in Interview , Mock Interview based on general discussion , Mock Interview based on technical skills , Mock Interview with high component of stress , Mock Interview based on HR skills.

Text Books:

1. Priyadarshi Patnaik : Group Discussion & Interview Skills, Foundation Books
2. Aggarwal R. S :Quantitative Aptitude for Competitive Examinations , S.Chand Publications

Suggested Readings:

1. Edgar Thorpe: Course in Mental Ability and Quantitative Aptitude for all Competitive Examinations, McGraw Hill Education
2. Shital Kakkar Mehra :Business Etiquette : A Guide For The Indian Professional , HarperCollins Publishers India

VFOMB 02: Sustainable Development in Management (BBA)

Jan May 2019

Course Objectives:

The course will enable the student to

1. Have a fundamental understanding of challenges facing the companies
2. Have a basic understanding of the role and importance of sustainable development with respect to modern business environment
3. Understand Sustainable Development concepts and their role in contemporary business.

Course outcomes:

After completing this course, the student will :

1. Have a fundamental level of understanding relating Sustainable Development
2. Imbibe deep knowledge on the means for achieving Sustainable Development
3. Develop an understanding of the role and importance of sustainable for companies

Course Contents:

MODULE I

Introduction **Lectures - 6**

Economic Outlook of World Economy , Sectoral Outlook of Industry in India : Challenges faced by companies in India.

MODULE II

Importance of Sustainable Development **Lectures - 6**

Concept , Definition of Sustainability , Importance of Sustainable Development for companies, Being climate positive

MODULE III

Achieving Sustainable Development **Lectures - 6**

Means for achieving sustainable development –TQM , Lean , Six Sigma , Green Accounting

MODULE IV

Role of HR **Lectures - 6**

Role of Human Resource in achieving sustainable development , Benchmarking best HR practices and policies supporting sustainable development

MODULE V

Sustainable Development for Stakeholders **Lectures - 6**

Importance of sustainable development for customers, community and government, Concept of Corporate Social Responsibility , , Benefits of Sustainable Development to Stakeholders

Text Books:

1. **Sustainable Development Strategies , OECD ,UNDP,Taylor & Francis Ltd.**

Suggested Readings:

1. The Indian Economy , Sanjiv Verma , Unique Publishers
2. Total Quality Management , 3 Rd Edition , Poornima .M.Charantinath, Pearson
3. Human Resource Management , 8th Edition , K. Aswathappa
4. Strategic Corporate Social Responsibility : Stakeholders in a Global Environment , 2nd Edition , William B. Weather Jr, David Chandler

VFOMB 04: Career Planning and Personal Growth

Course Objective:

- To make the students aware about the importance of career planning.
- To learn strategies for coping stress, anger and emotions.
- To assess themselves and to set specific and achievable goal.

Course Outcome:

After completion of this course, students will be able to:

- Understand the significance of planning a good career to stand strongly and successfully in today's competitive environment.
- Analyze and overcome negative stress and emotion for their personal growth and development.
- Gain self awareness and importance of goal to get clear vision in their life.

Course Contents

Module I **Career Planning-** Key definition, Importance, Theories of Career Choice – Structured Theory, Process Theory & Cognitive Information Processing Theory (CIP).

Module II **Skills and Types of Skills** – Self Talk, Self Awareness, Monitoring and Control. Goal Setting – Concept of SMART Goal, its importance in today's scenario & Four P's of goal setting.

Module III **Self Assessment**– Personality Type & Leadership Style. Time Management, Anger Management- Understanding the Anger and Gaining control over anger.

Module IV **Self Confidence-** Meaning & Techniques to improve self confidence. Stress Management- Understanding the Stress & Techniques of Managing the stress.

Module V Critical Thinking, Techniques of Positive thinking, Public Speaking Techniques, Emotional intelligence & Work Life balance.

Suggested books:

1. Duckworth, A. (2016), *Grit- Passion, Perseverance and the Science of Success, Collins.*
2. Burnett, B. & Evans, D. (2016), *Designing Your Life: Build a Life that Works for You,* Chatto Windus.

VFOMB 06: Web Designing

Course Objectives:

1. To familiarize the students with various Web based packages to develop customize web site.

Course Outcomes

1. Students will be able to Understand the basics of web Designing and of designing website.
2. It will help in the foundation for new web designers to become better web design programmer

Module-I

Lectures:- 6

An Introduction to the World Wide Web

Concepts of Web Technology, Web Browsers, Internet Explorer, Netscape Navigator Internet and Intranet, Concepts of web Server like IIS, Apache, Web logic , Search engines and types

Designing and constructing your Web site

Developing Content, Designing Individual Pages, Designing & constructing your Web site

Implementing your Web Site with ISP (Internet service provider), Extensions of web sites and mark- up languages, Web design Tools

Concept of client side and server side web

odule-II

lectures:-6

HTML : BASICS

What is HTML?, HTML Basics, Document Tags, Container and Empty Tags, Entering Paragraph Text on your Web page, The
 Tag, The Comment Tag

Working with HTML Text

Working with HTML Text, Emphasizing Text Implicitly And Explicitly, The <BLOCKQUOTE> Element

Pre-formatting Text, The <DIV> Tag, The <FONT> Tag, The <BASEFONT> Tag

Using Lists in Web Document

Module III

Graphics for web pages amd Working with links **lectures:- 6**

Choosing the correct Graphics File Format, Color in images, Loss of image quality due to compression, Adding inline image to web page, Scaling down an image, Alternative Text for the <IMG> tag , Understanding Imagemaps, Working with links, Relative and absoulute links

Tables, Frames and Forms, Creating Tables, Forms, Frames

Module-IV

Creating your Web Site with Dreamweaver **Lectures:- 6**

Introduction to Dreamweaver, Interfaces, Setting properties for web page., Text formatting

Adding Hyperlinks in web sites, Working with bookmarks and mailto links

Working with images, rollover images and image mapping, Create table and sorting table data

Export data from table, Inserting framesets and nested frameset, Creating forms in dreamweaver

Using Stylesheet in Dreamweaver

Module-V

Animation In Web **Lectures:6**

Flash Introduction, Layers, Drawing with flash, types and text effects, Creating symbols and Movie clips, Animating with flash MX

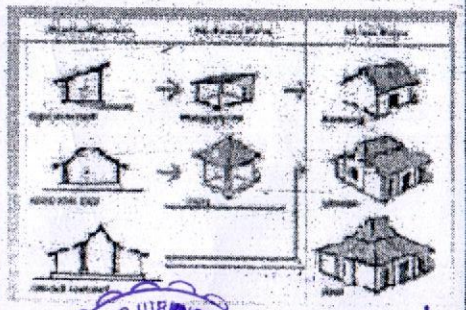
Text Books:

1. HTML, DHTML –Ivan Bayross
2. Dreamweaver in 24 days by SAMS teach yourself Techmedia
3. Flash Mx in 24 hours by Techmedia

Suggested Readings:

1. Internet Complete Reference- Tata McgrawHill
2. HTML-4.0 Complete Reference-BPB Publication

Vernacular architecture is a term used to categories methods of construction which use locally available resources and traditions to address local needs. Vernacular architecture tends to evolve over time to reflect the environmental, cultural and historical context in which it exists. It has often been dismissed as crude and unrefined, but also has proponents who highlight its importance in current design. It can be contrasted against polite architecture which is characterised by stylistic



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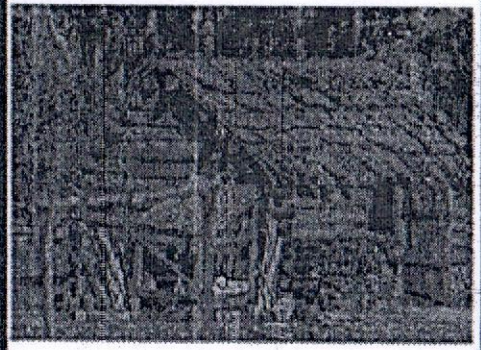

BASICS OF VERNACULAR ARCHITECTURE

VALUE ADDED COURSE

Basics of Vernacular Architecture

Subject code

Objective

- The subject looks at specific vernacular architectural communities of India.
- Identifies and interprets specific local, regional, and national vernacular traditions from India.
- Develops a broader sense of understanding of the relationship between architecture, environment and culture.

Outcome

After the completion of this course student will be able to

- Understand the various building techniques for different regions
- Classify the building materials of different regions and build according to the regions requirement.

Module 1(5hr) :Introduction to the field of Vernacular Architecture Defining and differentiating vernacular architecture from contemporary architecture, Scope of Vernacular Architecture in Indian Context , Factors Influencing Vernacular Architecture, Building Material and Construction Techniques in Indian Vernacular Architecture, Vernacular Architecture in 21st Century

Module 2(5 hr) : Vernacular Architecture of Rajasthan Banni Community and their Bhunga House from Rajasthan, Brahmin Caste and their Havelis, Rajputs and their Havelis , Hindu Merchants and their Havelis from Rajasthan, Shekawati Haveli of Rajasthan, Construction techniques and materials of the region.

Module 3(5 hr): Vernacular Architecture of Gujarat Rathva Tribe of Gujarat ,Chodri Tribe, Sociology and Planning of North Gujarat Sciology and Planning of Rural South Gujarat , Sociology and Planning of Saurashtra , Sociology and Planning of Muslim Community in Gujarat, Woodwork Details of Gujarat

Module 4(5 hr): Vernacular Architecture in the Eastern Hills Rural Villages and Houses of Bengal, Khasi community of Meghalaya Bodo Kachari tribe, Adi Gallong folk of Sian district, Arunachal and their settlement pattern , Naga house , Morung of Naga Community , ThadouKukis Community of Manipur

Module 5(5 hr): Vernacular Architecture of Bengal Eight Roof House Structure of Bengal style, Four Roof House Structure of Bengal style, Bunglow Construction.

Module 6(5 hr): Vernacular Architecture of the North Regional topography, local climate, settlement pattern, TOQ construction, DhajjiDiwari Construction, local material. Vernacular Architecture of the South Regional topography, local climate, variation in settlement pattern and architecture in different part of the region

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VIVA QUESTIONS SETS

Basics of Vernacular Architecture

1. What are the interventions received from vernacular studies?
2. How is vernacular architecture classified? Explain in detail.
3. How building materials effect vernacular architecture?
4. What is the importance of understanding the settings in vernacular setup?
5. Discuss courtyard planning in detail with sketches.
6. What are the factors causes vernacular form?
7. What do you mean by symbols and meanings? Explain.
8. Differentiate between Vernacular architecture and Contemporary architecture.
9. What do you understand by vernacular Architecture? Explain the causative forces of vernacular form?
10. Describe one project of a contemporary architect who works in vernacular field in detail.
11. Discuss in detail an existing settlement in your vicinity and analyze it for the parameters of vernacular architecture to develop a program with appropriate sketches.
12. What is Humanitarian architecture?
13. How can Local failure mechanism be controlled in Retrofitting of Stone Masonry Buildings by preserving its Aesthetic Look (economically feasible too)?
14. Performance of the traditional system: arches, vaults and dome?
15. Is it possible to propose or to develop a vernacular model of social housing?
16. Does it play a role in your work as a designer? If so, in what way?
17. Do you think there is such a thing as a "digital vernacular" today?
18. Would you consider yourself a "critical regionalist"? Does the term require redefinition?
19. Define adaptation.
20. Discuss sense of place.

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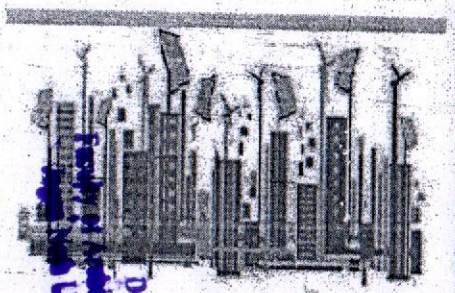
GREEN BUILDING

Green building practices promote the construction of buildings that are healthier for the occupants and healthier for the environment. Sustainable or "green" building practices can reduce the tremendous impact that building design, construction and maintenance have on both people and the environment.

IMPACTS-

- Environmentally effective use of building materials
- Lower electric and water utility costs
- Enhanced physical and emotional health, increased



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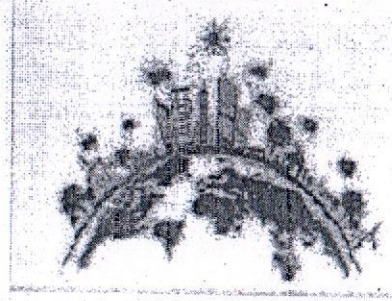

CONCEPT OF GREEN BUILDING

VALUE ADDED COURSE

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Name of Course: Concept of green building & its Applications
Course Code: VAC003
Syllabus

Objective

- To develop the understanding of concept of sustainable development in students.
- To develop the sincere concern about the impacts of the urbanization on the ecosystem.
- To lay emphasis on features and characteristics of a green building.
- To understand the role of green buildings helping in sustainability, environment& resource protection.
- To provide awareness and introduction to the clearance and certification system adopted in India.

Outcome:

After completion of this course student will be able to,

- Understand the concept of sustainable development and design environment friendly structures.
- Understand about the resource and energy consumptions.
- Understand about the clearance and certification system adopted in India.

Content

Module 1 (6 Hr.)

Introduction to Environmental Clearance

a) Background of Environment laws and protocol.

b) Ministry of Environment and Forests and its role in the process.

c) Need and purpose for environmental clearance.

d) Process of Environmental Clearances and concerned agencies.

Module 2 (6 Hr.)

Environmental Impact Assessment (EIA)

a) Environmental impact assessment.

b) Need and purpose of EIA.

c) Provisions and regulations of EIA; regulatory bodies for impact assessment.

d) Coastal regulation Zone.

e) Process and provisions of Environmental Impact Assessment for housing and site development.

Module 3 (6 Hr.)

Overview of Green Rating

a) Green Rating agencies in India and their Approach – BEE (ECBC), IGBC, TERI, EDGE etc.

b) Process of rating and Certification.

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Module 4 (6 Hr.)

LEED rating system

a) Brief background of the rating system, Need and purpose of rating.

b) Various criteria's for site development and building design.

c) Provisions for green certification.

Module 5 (6 Hr.)

GRIHA rating system

a) Brief background of the rating system, Need and purpose of rating.

b) Various criteria's for site development and building design.

c) Building typologies and the necessitated GRIHA rating.

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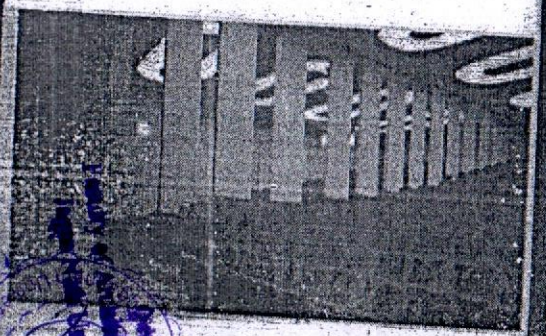
Architectural Acoustics:
Illustrated translates the quantitative and qualitative content of acoustics into the graphic language of architecture. This highly-visual guide includes over 350 illustrations that outline the physics of sound and the best design practices for limiting or mitigating noise in buildings by using the latest in materials and techniques



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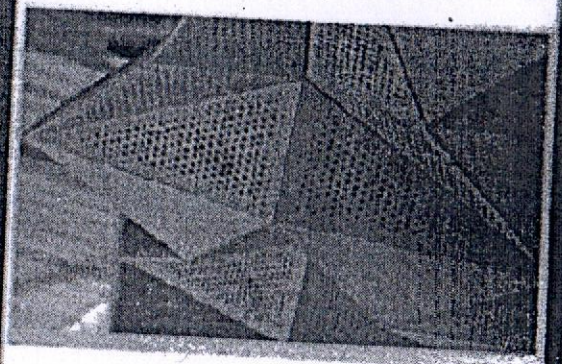

PRINCIPLES OF ARCHITECTURL ACOUSTIC

VALUE ADDED COURSE

Name of Course: Principles of Architectural Acoustics

Course Code: VAC002

Syllabus Sample

Objective

- To understand the importance of acoustics in architecture
- To introduce the concept of sound and noise and its characteristics and properties
- To understand the behavior of sound and various terminologies related to sound
- To study the acoustical materials and various acoustical design measures
- To study the measures to control noise and techniques to enhance sound quality

Outcome:

After completion of this course student will be able to

- Understand the importance of acoustics in architecture
- Learn the basic terminologies and definitions of sound along with the acoustical materials
- Design the spaces which are required acoustics like auditoriums, seminar halls, open air theatres
- Understand the measures to control noise in built and unbuilt environment

Content

Module 1 (8Hr)

Introduction about Sound and Noise: • Fundamental Properties and characteristics of sound. (Frequency, wavelength, velocity, pressure, pressure level, intensity, pitch, tone, loudness, timbre etc.) • Noise: Physiological and Psychological impact of noise on human beings. • Noise criteria for various spaces viz: Living areas, Educational areas, Offices, Shopping etc. • Measures to control noise nuisance (Air borne and Structure borne) in residential, educational, commercial, and Industrial areas along with calculations. A. Basic Terminology and definitions: • Physics of sound • Sound • Intensity & loudness • Characteristics of sound-frequency, amplitude, speed. • Reverberation time, absorption coefficient, echo, all the units related to sound • Effect of physical condition on sound-temperature, humidity, pressure

Module 2 (10 Hr)

Behavior of Sound: • Behavior of sound in open and enclosed spaces with reference to the form of enclosures, and various surface finishes. (Reflection, Absorption, Diffraction, Insulation, Transmission, Echo, Resonance, Reverberation etc.) • Acoustical materials along with their properties, behavior, selection criteria, use, and construction details. • Criteria for acoustic environment-type of Building, usage, Geometry shape, Surfaces, Sound absorption, Selection of acoustical materials & their application – for wall / partition, ceiling, floor • Noise control techniques and their applications. Predictions of acoustical conditions and approach to designing enclosure for predetermined acoustical responses, corrective of existing deficient enclosures.

Module 3 (12 Hr)

Acoustical Design: • Reverberation time, Sabine's formula along with the limitations and prerequisites. • Acoustical design measures for live acoustical environment in enclosures used for various purposes viz. Classrooms, Lecture halls, Auditoriums, Seminar Halls, Conference rooms, Meeting rooms, [illegible] Music concert halls, Opera houses, Dance halls, Open air theatres, Movie Theatres, Meditation cell, Group prayer halls etc. • Noise-physiological and psychological effects, transmission loss, flanking of sound, structure borne sound and noise from different mechanical equipments.

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JAGANNATH UNIVERSITY

(UGC Approved & NAAC Accredited)

Course Fees: Nil

DEPARTMENT OF EDUCATION

Duration: 32 hrs

Value Added Courses

B.Ed Students

- Soft Skill Development
- Management of School
- Personality Development
- Adolescent Care and Counselling

M.A. in Education

- **Intellectual Property Rights**
- **Modern Pedagogical Techniques**
- **Communication Skills**
- **English for Effective Communication**

GRADED CERTIFICATE WILL BE PROVIDED AFTER COMPLETION OF THE COURSE

Class Time: After Regular Classes/Weekend

Date of Commencement: After 07 days from semester begins

Course Outcome: At the end of the course, learners will be able

- **To understand about various skills**
- **To able to use soft skill**
- **To able to develop their Personality**
- **To able to communicate effectively**
- **To able to apply School Management skill.**

HOD
Department of Education
Jagannath University
Jaipur

Contact for Registration

HOD, Department of Education
Jagannath University, Jaipur, Rajsthan, Mob. No. 9509250808
Ankush.sharma@jagannathuniversity.org

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II sem.

Jagan Nath University

Jaipur (Rajasthan) INDIA

Value Added Course:

Management of School (VMS)

Course Objectives:

- To develop students for overall school activities.
- To understand and aware about importance, role and contents of school management.
- To improve his skills for management of school and documentation.

Module-I: **8 Hours**

- Concept, Meaning and Definition of Management of School.
- Educational Leadership: Strategy Development and Management Decision Making in Education
- Administration and Management of Human Resources in Education
- Decision Making and Crisis Management in Education
- Classroom Management
- Educational Policy and Comparative Analysis of Educational Systems
- Applications of New Technologies in Education and Educational Administration

Module-II: **8 Hours**

- Infrastructure Development of School
- Staff management
- Role of Staff members
- Curricular Activities Development
- Managing and Organization curricular activities
- Work of school management
- Work Distribution in Teachers
- Discipline making

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Module-III: **8 Hours**

- Supervision and Inspection
- Time- Table management
- School Record development and maintenance
- Financial management
- Library management
- Assessment and Evaluation
- Health and Care Activities

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- Parents and Teacher Communication

Course Outcomes: On completion of the course, learner will be able to–

1. The field of Educational Management
2. Reaching decisions and handling crises in education
3. Effectively dealing with behavior problems at school
4. Software which optimizes the organization of schools and which informs parents and students on school matters

Reference Books:

1. COATES, P. (1993) 'Embracing quality', *Managing Schools Today,* 2(7).
2. COHEN, M. D. and MARCH, J. G. (1983) 'Leadership and ambiguity' in BOYD-BARRETT, BUSH, T., GOODEY, J., MCNAY, I. and PREEDY, M. (eds) *Approaches to Post-school Management,* London, Harper and Row.
3. COLEMAN, J. S., CAMPBELL, E., HOBSON, C, MCPARTLAND, J., MOOD, A., WEINFELD, F. and YORK, R. (1966) *Equality of Educational Opportunity,* Washington, DC, US Government Printing Office.
4. COOPER, C. L. and KELLY, M. (1993) 'Occupational stress in headteachers: a national UK study', *British fournal of Educational Psychology,* 63, pp. 130-43.
5. CORCORAN, TH. B. (1985) 'Effective secondary schools' in KYLE, A. M. (ed.) *Reaching for Excellence: an effective schools sourcebook,* Washington, DC, US Government Printing Office.
6. COURT, M. (1994) 'Removing macho management: lessons from the field of education', *Gender, Work and Education,* 1(1), January, pp. 33—49.
7. DAVIES, L. (1995) 'The case for leaderless schools' in WATSON, K., MODGEL, S. and MODGEL, C. (eds) *Educational debate and diversity,* London, Cassell.

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IV sem.

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Jaipur (Rajasthan) INDIA

Value Added Course:

Adolescent Care and Counseling (VACC)

Objectives:

The course content is organized to focus on:

- Understanding the nature of adolescence
- Physical health & hygiene
- Psychosocial issues and adolescent counseling

Course Content:

Module-I : Definition and Phases of Adolescence **8 Lecture**

- Understanding the adolescence
- The Nature of Adolescence Changes during Adolescence: physical, physiological and psychological
- Balanced Diet
- Nutrition Deficiency- types, causes, consequences and preventive measures
- Eating Behavioural Disorder- types, causes, consequences and remedial measures
- Recreation, Exercise, Yoga and Meditation
- Prevention of Diseases
- Stress Management

Module-II: Adolescent Friendly Health Care Providers **8 Lecture**

- Counselling Services
- Single Window Approach
- Barriers to Access Health Care Services and Overcoming Barriers
- National Programmes related to Adolescent Care
- Life Skills for making use of Adolescent Friendly Health Services
- Adolescent Education Programme of Government of India

Module-III: Counselling and Guidance **8 Lecture**

- Definition, Difference between Guidance and Counselling
- Individual and Group Counselling and Guidance
- Micro Skills in Counselling
- HEEADDSS Approach in Adolescent Interviewing

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- Counselling Strategies and Methods: Symbolic, Creative, Behavioural, Cognitive, Psycho-social
- Therapeutic Approach- Strength Based Counselling and Solution Focused Therapy
- Motivational Interviewing
- Practicing HEEADDSS Approach in Adolescent Interviewing

Course Outcomes:

CO1 Understand the meaning, nature and scope of guidance.

CO2 Understand various types of guidance.

CO3 Develop skills in administrating and interpreting testing and non testing tools of data collection.

CO4 Know and use the information and methods of guidance programme of special learners.

CO5 Understand with the meaning, nature and techniques of counseling.

CO6 Develop/learn the skills to organize guidance programme in the secondary schools.

Prescribed Books:

1. Gladding Samuel, (2009). *Counseling –A Comprehensive Profession*, Dorling Kindersley India Pvt. Ltd.
2. Richard Nelson, Janes (2008). *Basic Counselling Skills* Sage Publications, (2nd Ed), New Delhi
3. Santrock John (2007). *Adolescence,* Tata Mc Graw, New Delhi,

References:

1. Gerald R. Adams, (1996). *Psychosocial Development during Adolescence*, New Delhi
2. Kochhar S.K., (2006). *Educational and Vocational Guidance in Secondary Schools*, Sterling Publishers Private Limited.
3. Nair.M.K.C, (2002). *Adolescent and Family Life Education*, Prism Books Pvt. Ltd.

Websites:

http://www.nacoonline.org/Quick_Links/Youth/School_Age_Education_Program_SAEP/

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II sem.

Jagan Nath University

Jaipur (Rajasthan) INDIA

Value Added Course:

Modern Pedagogical Techniques (VMPT)

Objective The student

- Acquires the knowledge of the concept of Teaching, characteristics of Teaching and Variables in Teaching.
- Understands the Need and Importance of Programmed Learning, Computer Assisted Learning and Internet and its applications.
- Understands the Blended Learning and Resources for Blended Learning.
- Understands the Various Methods of Teaching.
- Applies the knowledge of E-Learning in classroom situations.
- develops interest in knowing the Application of Android App in Education

Content

Module 1 (10Hr)

Individualized Instruction

Meaning and definition of Teaching .

Variables in Teaching - Relationship between Teaching and Learning.

Computer Assisted Learning (CAL) - advantages and disadvantages.

Internet and its application, Teleconferencing - Satellite - EDUSAT.

Blended Learning - Tools and Resources for Blended Learning - Blended Learning Implementation.

Module 2 (8 Hr)

E-Learning

Electronic Learning - Meaning - Nature - Features of E-Learning - Application of E-Content Package In Education - Advantages of E-Content - Designing and Development of E- content - Standards of E-content - Re-usability of E-content - E-content Tools - Graphics, Audio and Video-Creating and Editing - Visual Understanding Environment (VUE).

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Department of Engineering & Technology, Jagan Nath University, Jaipur is offering Value Added Certificate Courses that are being conducted in various streams to enhance student's knowledge and skills in their field of technical study. Courses offered are chosen based on current trends, relevance and value in the job-market.

Duration: 30 hours

Timings: 09:15 AM to 10:10 AM

Date of Commencement: January 13, 2019.

Registration & other details: Registration will open from **17.12.2018** till **10.01.2019.** Students may contact **Er. Sudarshan Kumar** Departmental Incharge, Value Added Courses for further queries.

Course Certificate: Certificate will be provided as per performance in test/viva at the end of the Course.

Participants: Students from JAGAN NATH UNIVERSITY may apply.

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Course Title	***Mobile Technology and Maintenance***
Course Details	Application and significance of mobile communications, Reference Model of communication. Various frequencies used for communication, methods of signal propagation and the techniques of multiplexing, modulation techniques - Spread Spectrum technology, FDMA , TDMA, CDMA), the architecture of a GSM system and Types of handover in GSM system, High Speed Circuit Switched Data (HSCSD) and General Packet Radio Service (GPRS).UMTS system architecture and UMTS radio interface, wireless LANs, 4G Technology
Faculty	Dr. Ramesh Bharti
Course Title	***Solar Panel usefulness and Maintenance***
Course Details	Introduction of Solar Panel, Utilization of Solar Power Supply System and Applications Photo voltaic effect, Construction & Working of Solar Cell, Solar Photo Voltaic Module, Solar Panel, Designing a Solar Photovoltaic System, Designing of solar photo system design, Installation of Solar Panel, Maintenance, Precautions and Preventive Steps, Troubleshooting.
Faculty	Er. Sudarshan Kumar
Course Title	***Hardware and Networking Essentials***

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Course Details	Introduction, CPU, Memory devices, Study of Motherboard RAM, ROM, CMOS, POST, BUS, Ports ,Mother Board, Motherboard troubleshooting, Key Board, Switches, Keyboard organization, Wireless Key board Trouble shooting, mouse type scroll & optical mouse, Trouble shooting Mouse, Working of LED,DMP, Ink Jet, Laser Printer, line printer, MFP and its Trouble shooting. Scanners and its trouble shooting. Plotters System Software, Windows and other S/w & Anti Virus, Boot Process, Setting of CMOS, Setup, PC Tools, OSI Model, Network hardware, Interconnecting of network hardware, , Dynamic and Static IP addressing, Client – Server network, Basic Administration, Installing Client and Server OS, DHCP server and DNS server, Remote Management. Managing Linux Server, Remote management using telnet, DHCP server, Apache web server, Bind DNS server, Troubleshooting Linux Network, The Network File System (NFS), Samba Server, Linux Systems.
Faculty	**Dr. Renu Bagoria**
Course Title	***Foundations of Cryptography***
Course Details	Introduction, Computer Security Concepts, Security Attacks, Model for Network Security, Symmetric Cipher Model, Steganography, Euclid's Algorithm, Traffic Confidentiality, key distribution. Public Key Crypto System and RSA, Principles of Public-Key Cryptography, Applications, Requirements & Security, Digital Signature Standards ,Electronic Mail Security, S/MIME. IP Security and Web Security, Transport Level

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	Security, Wireless Network Security, System Security, Challenges, Attacks based on Communication.
Faculty	**Mr. Hukum Saini**
Course Title	***Introduction to Block-chain Technology and Applications***
Course Details	**Introduction,** Public Ledgers, Bitcoin, Smart Contracts, Block in a Block chain, Transactions, Distributed Consensus, Cryptocurrency to Block chain, Permissioned Model, Security aspects, Bitcoin and Block chain, P2P Network, Transactions in Bitcoin Network, Consensus in a Bitcoin network, Proof of Work (PoW) Bitcoin PoW, Proof of Burn and Proof of Elapsed Time. Application of Block chain, Cross border payments, Know Your Customer (KYC), Food Security, Block chain enabled Trade, Trade Finance Network, Supply Chain Financing, , Hyperledger Fabric, Membership and Access Control,
Faculty	**Mr. Suraj Yadav**
Course Title	***Plant Engineering and its Maintenance***
Course Details	• Engineering function • Organization of the plant • Engineering function • Plant engineering function • Principles of organization • Organization structures • Organizational prerequisites • Role of the plant engineer

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	• Legal responsibilities • Plant engineering • Electrical • Development of plot plans • Ecology and pollution • Pollution control • Green energy & technology • Fire detection & suppression • Ventilation • Building maintenance & repairs • Flooring, lighting & insulation considerations • Accommodation of plant & equipment
Faculty	**Mr. Rakesh Kumar**
Course Title	Basic Course in Automobile Maintenance
Course Details	• Layout of chassis, types of chassis frames and bodies, Finding defects of chassis and correction in chassis defects • Fault diagnostic and Maintenance of various types of clutches, • Steering system, steering gear boxes, power steering, fault diagnostic and maintenance of steering gear box, Suspension system, problem in suspension system and maintenance • Trouble shouting and maintenance of ignition system. • Battery construction, Charging and testing. • Fault diagnostic and maintenance Starter motor and Alternator. • Trouble shouting and maintenance of automotive lighting, wiring systems, electrical instruments; head lamp, electric horn, fuel level indicator. • Maintenance of air conditioning system.
Faculty	**Mr. Avinash Nath Tiwari**
Course Title	***ETABS Advanced Course Modeling and***

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	Design of Tall Buildings
Course Details	• New Project And Its Modeling • Material And Section Property Of The Interest Section • DXF In Autocad • Import The DXF File In ETABS • Define The Load Patterns, The Mass Source, The Load Combinations, • Assign The Loads, Automatic Meshing, Assign The Pier Labels, • Assign The Frame Sections And Diaphragms. • Equivalent Static Analysis Method like P delta • Story Drift – Static • Response Spectrum Analysis • response spectrum analysis • response spectrum factor • Torsion and story drift- response • Design the shear walls • design the core using the uniform reinforcing method • design the shear walls using the shear reinforcing method • Column Design
Faculty	**Mr. Devashish Kumar Singh**
Course Title	***Introduction to Revit Architecture***
Course Details	• Building Information Modeling for architectural, • understanding Revit element hierarchy • Revit Architecture user interface • The ribbon framework • Guidelines for using the interface • Applying Common modification tools • About Views • View Properties • Guidelines for Working with Views • About Controlling Object Visibility • View Templates

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- Using Filters
- Guidelines for Controlling Object Visibility
- About Elevation and Section Views
- Guidelines for Working with Elevation and section views
- About 3D Views
- Perspective view
- About Cameras
- Creating and Modifying Camera Views
- Axonometric view
- Guidelines for Creating Project Template Files
- Methods of Creating and Modifying Grid Lines Guidelines for Creating and Modifying Grids
- Creating generic walls
- Sketching walls
- Hosting element in walls
- Modifying walls
- Editing walls
- Creating curtain walls
- Adding curtain grids, mullions and panel
- Modifying curtain walls
- Editing curtain walls structure
- Process of adding a floor element
- Sketching floors
- Editing Floors
- About roofs
- Process of sketching roofs
- Roof modification and example
- About Ceiling elements
- Creating ceiling and Editing ceiling
- Process for creating a staircase by component
- Process for creating a staircase by sketch
- Creating the generic railing
- Adding families
- Loading families
- Placing families
- Editing families in project
- Tagging spaces with room tags
- Room tags
- Room Boundaries
- Room separation line

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	• Generating color rooms plan • About Temporary Dimensions • About Permanent Dimensions • About Spot Dimension Symbols • Guidelines for Adding Dimensions • Exercise: Add Dimensions and Spot Symbols • About Text • Setting Text Placement Parameters • About Legends • Guidelines for Creating Legends • About Schedules • Working with Schedules • Guidelines for Working with Schedules • About Sheets and Title blocks • About Revision Tracking • Process of Creating Sheets by using customized title blocks • Creating Revision Clouds • Print settings • Print setup setting • Guidelines for printing sheets • Setting for exporting content • Process of exporting views to CAD formats • Guidelines for exporting content to CAD formats
Faculty	**Ms. Shashi Sharma**
Course Title	**~~Importance~~ of Green Building & it's Applications**
Course Details	• Sustainable Design Concepts • strategies of Design for the Environment • The sun-earth relationship and the energy balance on the earth's surface, climate, wind – Solar radiation and solar temperature • Sun shading and solar radiation on surfaces • Energy impact on the shape and orientation of buildings • Thermal properties of building materials

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Department of Engineering & Technology

Name of Course: Introduction to Block-chain Technology and Applications

Course Code: VACET012

Objective

- To provide conceptual understanding of how block chain technology can be used to innovate and improve business processes.
- To securely interact with them.
- Practical implementation of solutions using block Chain technology.

Outcome:

After completion of this course student will be able to

- Understand block chain technology.
- Develop block chain based solutions and write smart contract using Hyperledger Fabric and Ethereum frameworks.
- Interact with a block chain system by sending and reading transactions.
- Design, build, and deploy a distributed application.
- Evaluate security, privacy, and efficiency of a given block chain system.

Content

Module 1 (10Hr)

Introduction: Overview of Block chain and its types, Public Ledgers, Bitcoin, Smart Contracts, Block in a Block chain, Transactions, Distributed Consensus, Public vs Private Block chain, Understanding Cryptocurrency to Block chain, Permissioned Model of Block chain, Security aspects of Block chain

Module 2 (10Hr)

Bitcoin and Block chain: Creation of coins, Payments, Bitcoin Scripts,Bitcoin P2P Network, Transactions in Bitcoin Network, Block Mining, Block propagation and block relay.

Working with Consensus in Bitcoin: Distributed consensus in open environments, Consensus in a Bitcoin network, Proof of Work (PoW) – basic introduction, Hashcash PoW, Bitcoin PoW, Attacks on PoW and the monopoly problem, Proof of Stake, Proof of Burn and Proof of Elapsed Time, Overview of Bitcoin Mining, Mining Pool.

Module 3 (10Hr)

Application of Block chain: Cross border payments, Know Your Customer (KYC), Food Security, Block chain enabled Trade, We Trade – Trade Finance Network, Supply Chain Financing, Identity on Block chain Application development : Hyperledger Fabric- Architecture,

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Identities and Policies, Membership and Access Control, Channels, Transaction Validation, Writing smart contract using Hyperledger Fabric, Writing smart contract using Ethereum,

References:

1. Block chain Basics: A Non-Technical Introduction in 25 Steps, By Daniel Drescher

2. Architecture for Block chain Applications, Xiwei Xu, Ingo Weber, Mark Staples

3. Commercializing Block chain: Strategic Applications in the Real World , By Antony Welfare

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Hardware and Networking Essentials

Course Code: VACET009

Syllabus

Objective

- A corporate or mobile environment with a high level of face-to-face client interaction. Job titles include enterprise technician, IT administrator, field service technician, and PC technician.
- A remote-based work environment where client interaction, client training, operating systems, and connectivity issues are emphasized. Job titles include remote support technician, help desk technician, call center technician, IT specialist, and representative.
- Settings with limited customer interaction where hardware-related activities are emphasized. Job titles include depot technician and bench technician.

Outcome:

After completion of this course student will be able to

- Protect herself or himself against accidents and injury, protect equipment from damage, and protect the environment from contamination.
- Explain the purpose of preventive maintenance and identify the elements of the troubleshooting process
- Explain, install, and navigate an operating system; upgrade components based on customer needs and perform preventive maintenance and advanced troubleshooting.
- Describe, remove, and replace select components of a laptop; upgrade components based on customer needs and perform preventive maintenance and advanced troubleshooting.
- Describe, remove, and replace select components of a printer/scanner; perform preventive maintenance and troubleshooting.
- Describe and install a network; upgrade components based on customer needs and perform preventive maintenance and advanced troubleshooting.
- Perform advanced installation of a desktop computer tower; select components based on customer needs and perform preventive maintenance and advanced troubleshooting.

Content

Module 1 (10Hr)

Input & Output Devices, their types and specifications, CPU, Memory devices types primary and secondary. Study of Motherboard RAM, ROM, CMOS, POST, BUS, (Address, Data, SYSTEM) Connections of various devices such as Display Adapter, Ports (Serial, Parallel, USB)& Modem on the Mother Board. Importance of CPU cooling, Motherboard troubleshooting.

Module 2 (8 Hr)

Key Board: Switches, Keyboard organization, Key board type, Wireless Keybaord Trouble shooting.Mouse: Mouse type Scroll & Optical Mouse, Function Connecting Mouse, Trouble shooting Mouse.

Ports Modems Printers: Working of LED,DMP, Ink Jet, Laser Printer, line printer, MFP (Multi Functional Printer and its Trouble shooting. Scanners Working method and its trouble shooting. Plotters System Software, Application Software driver Software Installation, Windows and other S/w & Anti Virus, BOOT PROCESS : Setting of CMOS, Setup, PC TOOLS

Module 3 (15 Hr)

Fundamentals of Computer Networking in Windows System, OSI Model, Network hardware, Interconnecting of network hardware, Workgroup and Domain Networks, Preparing network cables, Dynamic and Static IP addressing, Client – Server network, Basic Administration, Installing Client and Server OS, Implementing Domain Network using Active Directory, Installation of server roles: file server, application server, DHCP server and DNS server, Remote Management. Configuring Basic Linux Networking, Managing Linux Server, Remote management using telnet, ssh, DHCP server, Apache web server, Bind DNS server, Troubleshooting Linux Network, The Network File System (NFS), Samba Server, Configuring Internet in Linux Systems.

References :

1. IT Essentials I: PC Hardware and Software Companion Guide (Cisco Networking Academy Program) (2nd Edition) 2nd Edition, Cisco Networking Academy (Author).

2. Computer Networking Essentials, By Debra Littlejohn Shinder

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Foundations of Cryptography

Course Code: VACET014

Syllabus

Objective

- To provide introduction to the concept of Network Security Model and Cryptography systems.
- To give the knowledge of Digital Signature and other Security Measures available.
- To familiarize with the various techniques like PGP and S/MIME.
- To showcase IP Security Architecture & Transport Layer Security to identify the vulnerability of the Internet systems and recognize the mechanisms of the attacks.
- To explain the firewall design principles and various intrusion detection system.

Outcome:

After completion of this course student will be able to

- Illustrate the concepts of Network Security and Compare Various Symmetric and Asymmetric Cryptographic methods used for Network Security.
- Classify various Algorithms to be used at various TCP/IP Layers & to operate Digital Signature in Real World Situation
- Summarize different Authentication Techniques & Describe programs like PGP & S/MIME
- Implement IP Security Architecture &Transport Layer Security to identify the vulnerability of the Internet systems and recognize the mechanisms of the attacks, and apply them to design and evaluate counter-measure tools
- Implement Firewall design principles and identify various intrusion detection systems and be able to achieve highest system security

Content

Module 1 (10Hr)

Overview: Computer Security Concepts, Security Attacks, Security Services, Security Mechanism, A Model for Network Security, Symmetric Ciphers: Symmetric Cipher Model, Substitution Techniques, Transposition Techniques, Steganography, Block Ciphers and the Data Encryption, Euclid's Algorithm, Placement of Encryption Function, Traffic Confidentiality, key distribution. Public Key Crypto System and RSA: Prime Numbers, Fermat's and Euler's Theorems, Principles of Public-Key Cryptography, the RSA Algorithm, Key Management, Diffie- Hellman Key Exchange, Cryptographic Hash Function: Applications, Requirements & Security

Module 2 (8 Hr)

SHA-3, Authentication Requirements, Authentication Functions Digital Signatures, Digital Signature Standards. Authentication Application & Electronic Mail Security: Kerberos, X.509 Authentication Service, Pretty Good Privacy, S/MIME. IP Security and Web Security: IP Security overview, IP Security Policy, Encapsulating Security Payload,

Module 3 (15 Hr)

Transport Level Security, Wireless Network Security, System Security: Intruders, Intrusion Detection, Firewalls, Cloud Security: Threats, Cloud Security Controls, Mobile Security:

Challenges, Attacks based on Communication, vulnerabilities in Software application, Countermeasures.

References:

1. Foundations of Cryptography: Volume 2, Basic Applications,By Oded Goldreich

2. Foundations of Cryptography: A Primer ,By Oded Goldreich

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MOBILE TECHNOLOGY AND MAINTENANCE(VACET028)

Objective

- To study about basics of communication system and various mobile devices.
- To understand the concept of various modulation and multiplexing techniques used in communication system.
- To Understand the about the various channels in GSM system
- To get knowledge about 4G technology in communication system.

Outcome:

After completion of this course student will be able to

- Understand the various mobile devices and reference model of communication system.
- to understand the of multiplexing and its type and various modulation techniques used in communication system like analog and digital modulation techniques.
- to know the architecture of global system for mobile communication and multiple access techniques used in this system.
- to get knowledge about UMTS system and wireless LAN system and radio transmission technologies.
- Students will be able to get the knowledge of 4G technology and WiMAX (Worldwide Interoperability for Microwave Access) used in communication system

Module 1 (3Hr)

Introduction to mobile communication and computing: Application and significance of mobile communications, mobile and wireless devices, history of wireless communication. Simple Reference Model of communication.

Module 2 (15Hr)

Wireless Transmission –Various frequencies used for communication, types of signals and the antennas used, the methods of signal propagation and the techniques of multiplexing, modulation techniques - analog modulation and digital modulation. Spread Spectrum technology like Direct Sequence Spread Spectrum (DSSS) and Frequency Hopping Spread Spectrum (FHSS), Frequency Division Multiple Access (FDMA), Time Division Multiple Access (TDMA) and Code Division Multiple Access (CDMA), the architecture of a GSM system and GSM –TDMA/

FDMA frame and various types of logical channels in GSM system and the use of GSM hierarchy of frames, Types of handover in GSM system, High Speed Circuit Switched Data (HSCSD) and General Packet Radio Service (GPRS).

Module 3 (12Hr)

Universal Mobile Telecommunication System (UMTS): Universal Mobile Telecommunication System (UMTS), UMTS system architecture and UMTS radio interface, the characteristics of wireless LANs and the comparison of infrared and radio transmission technologies.

4G Technology: 4G technology ,WiMAX (Worldwide Interoperability for Microwave Access), LTE (Long Term Evolution) and HSPA+ (High Speed Packet Access) technology

Reference Books:-

1. **Fundamentals of Cellular Network Planning and Optimisation: 2G/2.5G/3G... Evolution to 4G Hardcover** by Ajay R. Mishra (Author)
2. **UMTS: The Fundamentals by** Bernhard H. Walke, P. Seidenberg, M. P. Althoff
3. **Mobile Repairing, Servicing & Maintenance The Ultimate Guide Paperback** by Shashank Johri (Author)

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Department of Engineering & Technology

Value Added Course:

ETABS Advanced Course Modeling and Design of Tall Buildings

Course Code:VACET004

Syllabus

Objectives:

- Most Present-day Design is carried out using computer program. This course offers a lucid presentation of the most famous program of high-rise building (ETABS)
- This course contains detailed example of a high rise multi-storiedbuilding and detailed explanation for the most important utility of the program. Step by step instructionsare provided through the development of ETABS model.
- Also, in this course, we will discuss the Static and the Dynamic analysis methods.
- And the essential checks according to the ACI Code and the UBC 97 code.

Contents

Module 1:(8 hrs.)

Introduction to the course. Modelling: -Start new project, define the materials, define the section properties, prepare the DXF in AutoCAD, import the DXF file in ETABS, define the load patterns, the mass source, the load combinations, assign the loads, automatic meshing, assign the pier labels, assign the frame sections , diaphragms

Module 2:(8 hrs.)

Equivalent Static Analysis Method: P Delta – Part 1 and 2, Eccentricity, Irregularity types, torsion, Story Drift – Static.Response Spectrum Analysis: Define the modal cases, response spectrum analysis, response spectrum factor, Torsion and story drift- response.

Module3: (14 hrs.)

Design the shear walls: design the core using the uniform reinforcing method, design the shear walls using the shear reinforcing method.Column Design

Outcomes:

After the completion of this course, students will be able to

- Define the Materials

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- Define the Section Properties
- Import the DXF file from AutoCAD into ETABS
- Learn Load Patterns
- Mass Source
- Assign Loads
- P-Delta
- Response Spectrum Analysis Method and all required checks.
- Learn Load Combinations
- Automatic Meshing
- Equivalent Static Analysis Method and all required checks.
- Design Shear Walls, Cores, and Columns.

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Reference Code:

1. IS 456:2007

2.IS1893:2002

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Value Added Course:

Introduction to Revit Architecture

Course Code: VACET002

Syllabus

Objectives:

- Learn and get familiar with Autodesk Revit Architecture;
- Describe building information modeling methodology and its benefits;
- Work with Architectural components in Autodesk Revit Architecture;
- Work with detail views, add 3D and 2D elements and detail components.

Contents

Module 1 (9 Hrs)

Building Information Modeling Building Information Modeling for architectural, understanding Revit element hierarchy. **Revit Architecture Basics** Revit Architecture user interface, the ribbon frame work, Guidelines for using the interface, Using Common modification tools

Viewing the model, About Views, **View** Properties, **Guidelines** for Working with Views, **About** Controlling Object Visibility, **View** Templates, **Using** Filters, **Guidelines** for Controlling Object Visibility, About Elevation and Section Views ,Guidelines for Working with Elevation and section views ,About 3DViews,Perspectiveview ,About Cameras ,Creating and Modifying Camera Views ,Axonometric view

Starting a new project,About Projects, Creating Project Templates, Guidelines for Creating Project Template Files, About Levels, Adding and Modifying Levels, Guidelines for Adding and Modifying Levels, About Grids, Methods of Creating and Modifying Grid Lines, Guidelines for Creating and Modifying Grids

Module 2 (9 Hrs)

Walls and Curtain walls, Creating generic walls, Sketching walls, Hosting element inwalls, Modifying walls, Editing walls, Creating curtain walls, Adding curtain grids, mullions and panel,Modifying curtain walls Editing curtain walls structure,About floor elements, Process of adding a floorelement,Sketchingfloors,EditingFloors,Aboutroofs,Process of sketchingroofs,Roof modification and example, About Ceiling elements, Creating ceiling and Editing ceiling

Stairs and Railings About stairs and railing Process for creating a staircase by component Process for creating a staircase by sketch Creating the generic railing

Adding Families Adding families Loading families Placing families Editing families in project

Module 3 (12 Hrs)

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Rooms and Color fill plans Tagging spaces with room tags Room tags Room Boundaries Room separation in Generating color rooms plan

Creating Plan Annotation and Schedules About Temporary Dimensions about Permanent Dimension about Spot Dimension Symbols Guidelines for Adding Dimensions Exercise: Add Dimensions and Spot Symbols About Text Setting Text Placement Parameters About Legends Guidelines for Creating Legends About Schedules Working with Schedules Guidelines for Working with Schedules

Creating Construction Documentation About Sheets and Title blocks About Revision Tracking Process of Creating Sheets by using customized title blocks Creating Revision Clouds Print settings Print set upsetting Guidelines for printing sheets Setting for exporting content Process of exporting views to CAD formats Guidelines for exporting content to CAD formats

Outcomes:

After the completion of this course, students will be able to

1. To explain the concepts and methods of 3D modeling in Autodesk Revit Architecture.
2. Give a thorough grounding in 3D fundamentals and explore the main features of Autodesk Revit's 3D environment.

Reference book:

1. Building information modeling software for architects
2. The Complete Beginner's Guide to Autodesk Revit Architecture: PDF EBook

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Department of Engineering & Technology

Value Added Course:

~~Importance~~ Concept of Green Buildings and its Applications

Course Code: VACET008

Syllabus

Objectives:

- To introduce the different concepts of sustainable design and green building techniques and how they may be synthesized to best fit a specific construction project.
- Learn the principles of planning and orientation of buildings.
- Acquire knowledge on various aspects of green buildings.

Contents

Module1 (8 hrs.)

Introduction:-
Life Cycle impacts of materials and products – sustainable design concepts – strategies of Design for the Environment -The sun-earth relationship and the energy balance on the earth's surface, climate, wind – Solar radiation and solar temperature – Sun shading and solar radiation on surfaces – Energy impact on the shape and orientation of buildings – Thermal properties of building materials.

Module 2 (8 hrs.)

Planning of building: Principles of planning, Relevant building bylaws, site selection for buildings, orientation of buildings, common errors in planning, Provision of rain water harvesting.

Energy Efficient Buildings: -Passive cooling and day lighting – Active solar and photovoltaic- Building energy analysis methods- Building energy simulation- Building energy efficiency standards- Lighting system design- Lighting economics and aesthetics- Impacts of lighting efficiency – Energy audit and energy targeting- Technological options for energy management.

Module 3 (14 Hrs.)

Green Building Technologies: Introduction- Necessity - Concept of Green building. Principles of green building– Selection of site and Orientation of the building – usage of low energy materials – effective cooling and heating systems – effective electrical systems – effective water conservation systems - Certification systems- Green Rating for Integrated Habitat Assessment (GRIHA) and Leadership in Energy and Environmental Design (LEED), case studies

Indoor Environmental Quality Management: -

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Psychrometry- Comfort conditions- Thermal comfort- Ventilation and air quality-Air conditioning requirement- Visual perception- Illumination requirement- Auditory requirement- Energy management options- -Air conditioning systems- Energy conservation in pumps- Fans and blowers- Refrigerating machines- Heat rejection equipment- Energy efficient motors- Insulation.

Outcomes:

After the completion of this course, students will be able to

1. Explain the principles of building planning, its bylaws and provide facilities for rain water harvesting.
2. Understand the concepts of green buildings.

Reference Book:

1. "Sustainable Construction: Green Building Design and Delivery", by Charles J. Kibert

2. "Green Building Illustrated", by Francis D. K. Ching, Ian M. Shapiro

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Value Added Course: VACET018

Name of Course: Plant Engineering and its Maintenance

Syllabus

Objective

- To introduce students to different aspects of power plant engineering.
- To familiarize the students to the working of power plants based on different fuels.
- To expose the students to the principles of safety and environmental issues.

Content

Module 1 (8Hr)

ORGANIZATION OF THE ENGINEERING FACILITY AND FUNCTIONS

- Engineering function
- Organization of the plant
- Engineering function
- Plant engineering function
- Principles of organization
- Organization structures
- Organizational prerequisites

Module 2 (10Hr)

CONSIDERATIONS FOR MANUFACTURING PROCESS & SITE SELECTION

- Role of the plant engineer
- Legal responsibilities
- Plant engineering
- Activities
- Thermal plant
- Knowledge areas
- Considerations for site selection

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ROLE OF THE PLANT ENGINEER

- Role of the plant Engineer
- Legal responsibilities
- What is plant?

Module 3 (12Hr)

PLANT LOCATION AND LAYOUT

- Plant location and layout
- Piping codes
- Plot plans
- Plot plan use by discipline
- Services – water, electricity, effluent discharge
- Electrical
- Development of plot plans
- Ecology and pollution
- Pollution control
- Green energy & technology

INDUSTRIAL BUILDINGS & ELECTRICITY

- Fire detection & suppression
- Ventilation
- Building maintenance & repairs
- Flooring, lighting & insulation considerations
- Accommodation of plant & equipment

Outcome:

After completion of this course student will be able to

1. Understand basic knowledge of Different types of Power Plants, site selection criteria of each one of them and understanding of Power Plant Economics, Energy Storage including compressed air energy and pumped hydro etc.

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2. Students will be able to select the suitability of site for a power plant and will be able to calculate load factor, capacity factor, average load and peak load on a power plant..
3. Calculate performance of thermal power plant.
4. Understand the working of Hydroelectric and Nuclear power plant

Reference Books:

1. "Plant Equipment & Maintenance Engineering Handbook" Richardson D.C by TMH Publications
2. "Plant Maintenance and Reliability Engineering" Raju N.V.S. by Cengage Publishers
3. "Plant & Maintenance Engineering" Chakrovorty N. by Khanna Publications

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Value Added Course: VACET023

Name of Course: Basic Course in Automobile Maintenance

Syllabus

Objective

- To understand construction of chassis of an automobile.
- To apply schedule maintenance of an automobile.
- To understand the principles working of an automobile engine.
- To understand functioning of various parts of an automobile.
- To provide smooth running of an automobile.

Content

Module 1 (12 Hr)

- Layout of chassis, types of chassis frames and bodies, Finding defects of chassis and correction in chassis defects
- Fault diagnostic and Maintenance of various types of clutches,
- Maintenance of vacuum and hydraulic clutches.
- Gear boxes, Sliding mesh, constant mesh, synchromesh and epicyclic gear boxes, Automatic transmission system, fault diagnostic and maintenance of all gear boxes.
- Trouble shouting and maintenance of propeller shaft, universal joints, front wheel drive, differential; Rear axle drives.

Module 2 (10 Hr)

- Steering system, steering gear boxes, power steering, fault diagnostic and maintenance of steering gear box,
- Suspension system, problem in suspension system and maintenance.
- Brakes, types of brake, fault diagnostic and maintenance of brakes.
- Engine performance and repair.

Module 3 (8 Hr)

- Trouble shouting and maintenance of ignition system.
- Battery construction, Charging and testing.
- Fault diagnostic and maintenance Starter motor and Alternator.

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- Trouble shouting and maintenance of automotive lighting, wiring systems, electrical instruments; head lamp, electric horn, fuel level indicator.
- Maintenance of air conditioning system.

Outcome:

After completion of this course student will be able to

1. Understand the common processes of an automobile.
2. Able to troubleshoot any problem occur in an automobile.
3. Able to do schedule maintenance of an automobile.
4. Able to apply the knowledge of automobile for corrective maintenance.
5. Attend break down of an automobile by applying the knowledge.

Reference Books:

1. "Vehicle Maintenance and Garage Practice" by Doshi J. A., PHI Publications
2. "Automobile Mechanics" by Giri N.K., Khanna Publications
3. "Automobile Engineering" by Jain K. K, TMH Publications

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Department of Engineering & Technology

Solar Panel usefulness and Maintenance

(VACET027)

Objective

- To study about solar panel and its advantages
- To understand construction and working of solar cell
- To Understand the design of the solar panel and knowledge of various terms of solar panel
- To get knowledge about installation and maintenance of solar panels.

Outcome:

After completion of this course student will be able to

- Understand the importance of solar panels in signaling and telecommunication.
- to understand the concept of photo voltaic effect and construction and working of solar cell with its various components.
- to know the various terms related with solar panel with technical requirements for the installation of solar panels.
- to get knowledge about various electrical interconnections and installation guidelines.
- Students will be able to get the knowledge of maintenance and various precautions for the solar panels.

Module 1 (10 Hr)

Introduction, Advantages and Disadvantages of Solar Panel, Utilization of Solar Power Supply System, and Application of Solar Powered System for Telecommunications & Signaling, Advantages of Solar Powered System.
Photo voltaic effect, Construction & Working of Solar Cell, Solar Photo Voltaic Module, Solar Panel, Main Components of Solar Photo Voltaic System

Module 2 (10Hr)

Designing a Solar Photovoltaic System: Solar cell, Solar Module, Solar Panel, Solar Array, Solar Irradiation, Insolation, conversion efficiency of solar cell, General & Technical requirements for Solar Photo Voltaic Module, Primary phases of designing an solar photo voltaic system, Sample system design.

Module 3 (10Hr)

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Installation of Solar Panel: Introduction, Testing before installation, Installation guidelines, Mounting the Solar Modules, Electrical Interconnections
Maintenance & Troubleshooting: Maintenance, Precautions and Preventive Steps, Troubleshooting

Reference Books

1. Solar Energy: Fundamentals and Applications Paperback by H Garg (Author), J Prakash

2. Solar Photovoltaics: Fundamentals, Technologies And Applications 3rd Edition, Kindle Edition by CHETAN SINGH SOLANKI .

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Faculty of Law

OFFICE CIRCULAR

Date : 3/1/2019

The following Value Added Courses classes are scheduled from January in Faculty of Law for Academic Session Jan. – June 2019.

S.No.	Value Added Courses
1	Legal and Moral Values in Law
2	Right to Information Act, 2005
3	Basics of Women empowerment
4	Principle of Human Rights

Students may contact coordinators of the respective programs for Registration.

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Legal and Moral values in Law (VLMVL)

Course objective:-

- Values are socially accepted norms to evaluate objects, persons, and situations that form part and parcel of sociality.
- A value system is a set of consistent values and measures. Knowledge of the values are inculcated throug education.
- It contributes in forming true human being, who arable to face life and make it meaningful.
- There are different kind of values like, ethical or moral values, doctrinal or ideological values, social val and aesthetic values.

Course outcome:-

- Leads students through a process of discovering and reflecting on oneself as a spiritual being and moral agent, that is someone who is an individual but also a member of communities, with the relative rights an obligations;
- Seeks to educate them in the notion of self-reflective responsibility and to making something positive of their lives.
- Contributes towards their moral and spiritual capacity to value, appreciate, perceive and critically interpret the world they live in;

Content

Module-I:

Supreme Court Rules 1966 and
Supreme Court Rules 1966

i. Advocates and their Course of Conduct
ii. Role of Single Judge and Registrar of the Supreme Court
iii. Types of Petition Entertained by the Supreme Court, Writ petition, Election Petition

Module- II:
Delhi High Court Rules 1967
Delhi High Courts Rules

iv. Advocates and their Course of Conduct
v. Role and Power of Single Judge
vi. Civil and Criminal Jurisdiction of the Court

Module-III:
The Limitation Act, 1963 and The Registration Act, 1908

a. Limitation
   i. Procedural Law: Section 5 Condonation of Delay, ss6-9 Legal Disability, ss14-15 Exclusion of Time of Proceeding in Good Faith in Wrong Court, ss18-19 Acknowledgement
   ii. Substantive Law: S25 Law of Prescription and s27 Adverse Possession, s 29 Saving Clause
b. Registration
   i. Compulsory Registered Documents s17
   ii. Optional Registration s18
   iii. Time and Place for Registration ss23-31

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iv. Effects of Registration and non Registration ss47-50

Module-IV:
Bench-Bar Relations

a. The Advocates Act, 1961
b. State Bar Council and Bar Council of India: Duties and Functions
c. Professional Misconduct and Punishments s35
d. Role and power of Disciplinary Committee ss36-42

Module- V:
Legal Ethics

a. Duty to Court, Client, Opponent, Colleagues s7 and s49, along with the Rules of the Bar Council India
b. Duty towards Society

References:

1. *Kailash Rai, Legal Ethics*, CLP, 2007 (7th Edn)
2. Ramachandran Raju & Gaurav Agarwal, *B.R. Agarwala's Supreme Court Practice and Procedure*, Eastern Book Company, 2002

RIGHT TO INFORMATION ACT,2005 (V RTI) (2)

Course objective:-

- The RTI empowers people to seek information from the government and public organizations and ask for government documents and their copies.
- Through the RTI, citizens know about government decisions and the limitations of the country and the government. RTI promotes transparency and accountability.

Course outcome:-

- Right to Information is just like oxygen for democracy. It stands for transparency. Information would lead to openness, accountability and integrity.
- Besides, apart from ensuring greater transparency it also acts as a deterrent against the arbitrary exercise of public powers. A culture of individual action, political consciousness and public spirit is the basis for the success of democracy.

Content

Module 1

Introduction of Right to Information Act 2005:
History, Background, Objectives, Preamble of Right to Information Act 2005, Obligation of Public Authorities (Section 3 to 11)

Module 2
Right to Information in Global Perspective:
(World right to Know)

a) United Nations and the Right to Information
b) The Commonwealth and the Right to Information
c) The Right to Information in USA
d) The Right to Information in UK
e) Rome Convention for the Protection of Human rights and Fundamental Freedoms, 1950

Module 3

Right to Information as Constitutional rights:
Protection of Article 19(1) (a), Right to privacy, Contempt of Court, Public Interest vis-ă-vis Information

Module 4

The Central Information Commission:
Constitutions, Eligibility criteria and Process of Appointment, Term of Office and Condition of Service, Removal of Informational Commissioner

Module 5

The State Information Commission:

Constitutions, Eligibility criteria and Process of Appointment, Term of Office and Condition of Service, Removal of Informational Commissioner, Right to Information and E-Governance: Electronic Information Dissemination, need for regulation, Jurisdiction in Cyberspace: Problem And perspective

Module 6

Power and Function:

Information Commission, Appeal and Penalties under Right to Information Act 2005, Breach of Confidentiality and Privacy-The Indian perspective An 'offence' under the Indian Information Technologies Act 2000

Module 7

Right to Information and Other Acts, Reports, Bill :

a. The official Secrets Act,1923
b. Public records Act 1993, Public records rules 1997
c. The Freedom of Information Act 2002
d. Reports of National Commission to Review the working of the Constitution ,2002(relevant provisions)

BASICS OF WOMEN EMPOWERMENT (VBWE)

Course Objective: This paper is

- Undertakes, promotes and coordinates both fundamental and applied research on women and development;
- Organizes and assists training programmes for scholars, communicators, members of women's organizations/ cooperatives etc.;

Course Outcomes: - Students graduating with Law of Contract will be able to:

- The principal output of the Commission on the Status of Women is the agreed conclusions on priority themes set for each year.
- Agreed conclusions contain an analysis of the priority theme and a set of concrete recommendations for governments, intergovernmental bodies and other institutions, civil society actors and other relevant stakeholders, to be implemented at the international, national, regional and local level.

Content

Module I:
FUNDAMENTAL CONCEPTS OF WOMEN'S STUDIES
Definition- Objectives of Women's Studies; Importance of Women's Studies; Women's Studies as an Academic Discipline; Role of UGC Centre for Women's Studies; Women's Studies in India and Abroad – Origin and Growth.

Module II:
EMPOWERMENT
Women in Higher Education; Gender issues in Health, Environment, Family welfare Measures, Indecent representation of Women in media; Women in Difficult circumstances; Constitutional.

Module III:
ECONOMIC EMPOWERMENT
Introduction-organized sector, unorganized sector; Role of Women in Economic Development – Female Poverty and Poverty alleviation programmes; Status of Women farmers and land rights; Women Entrepreneurs; Impact of Globalization on working women; National Policy for the empowerment of women 2001.

Module IV:
POLITICAL EMPOWERMENT
Political participation of women – Political Socialization- Women leaders in politics- Women in Local Governance- Barriers- Reservation policies- Women's Political Rights: CEDAW.

Module V:
SOCIAL ISSUES REGARDING WOMEN
Issues of Girl child, Female, infanticide and foeticide, Sex Ratio child marriage, Dowry & Property Rights, Violence against Women, Domestic violence, Female Headed Households' , Women in the Unorganized sector of Employment, Women's work- Status and problems, problems of Dalit women.

REFERENCES

1. **Amy S. Wharton.** (2005). "The Sociology of Gender: An Introduction to Theory and Research". (KeyThemes in Sociology) Blackwell Publishing, UK, Indian Reprint,Kilaso Books, New Delhi.
2. **Devaki Jain and Pam Rajput (Ed).** (2003). "Narratives from the Women"s Studies Family: Recreating Knowledge, Sage, and New Delhi.
3. **Jasbir Jain (Ed).** (2005). "Women in Patriarchy: Cross Cultural". Rawat Publications, Jaipur.
4. **KumkumSangari and SudeshVaid.**"Recasting Women: Eassy in Colonial History".
5. **Lerner, Gerda.** (1986). "The Creation of Patriarchy". Oxford University Press, New Delhi.
6. **Maithreyi Krishna Raj.** (1986). "Women Studies in India: Some Perspectives". Popular Prakasham, Bombay.
7. **Mala Khullar, (Ed).** (2005). "Writing the Women"s Movement: A Reader". Zubaan, Kali for Women, New Delhi.
8. **Mies, Maria.** (1980). "Indian Women and Patriarchy". Concept Publishing Company, New Delhi.

Principle of Human Rights (VPHR)

Course objective:-

- Describe specific theoretical, conceptual and practical challenges facing the fields of human rights law and sustainable development, adopting an interdisciplinary approach.
- Articulate critical analysis on the relationship between respect for human rights and sustainable development.

Course outcomes:-After studying this course, you should be able to:

- Understand the historical growth of the idea of human rights
- demonstrate an awareness of the international context of human rights
- demonstrate an awareness of the position of human rights in the UK prior to 1998
- understand the importance of the Human Rights Act 1998
- Analyze and evaluate concepts and ideas.

Content

Module -I
A Conceptual Understanding of Human Rights
Human Rights Concept, Definition, Meaning & Nature, Human Values: Liberty, Equality and Justice

Module – II
Administration of Criminal Justice and Human Rights
Role of Criminal Justice System, Administration of Criminal Justice: Ordinary Courts; Special Courts, District Courts, Human Rights Courts, Naya Panchayat, Lok Adalt, Fast-Track Court.

Module –III
Human Rights Problems
Police Atrocities and Custodial Torture, Violence against Women and Children, Communal Violence; Caste and Class Conflict, Terrorism and Insurgency

Module –IV
Rights of the Accused
Rights of Accused; Double Jeopardy, Against Self- Incrimination, Production Before Magistrate, Fair Trail, Speedy Trail, Appeal, Parole and Probation.
Rights of Prisoner: Legal Aid, Access to Justice and Speedy Justice; Right to Compensation, Prison Reforms.

REFERENCES

- Bava, Noorjahan, (ed), (2000), *Human rights and Criminal Justice Administration in India*, Uppal Publishing House, New Delhi.
- Vibhute Baxi, Upendra, (1988), Clemency, Extradition and Death: The Judicial Discourse in Keher Singh, *Journal of Indian Law, Vol. 30, and No. 4.*
- Bhagwati, P.N.,(1985,) Human Rights in the Criminal Justice System, *Journal of Indian Law Institute, Vol. 27, No. 1.*

- Arora, Nirman, (1999), Custodial Torture in Police Stations in India: A Radical Assessment, *Journal of Indian Law Institute, Vol. 41, Nos 3 and 4.*
- Vibhute, K.I, (1990), Compensating Victims of Crimes in Indian Society, Delhi Shubhi
- Ghosh, S.K., (1993), *Torture and Rape in Police Custody*, New Delhi: Asish Publishing House.
- Guttal, G.H, (1986), Human Right: The Indian Law, *Indian Journal of International Law, vol. 26.*
- Vada Kumchery, James, (1991), *The Police and Delinquency in India*, New Delhi: APH Publishing Corporation.

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