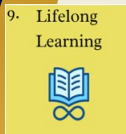
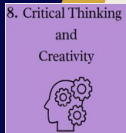




# ST. ALOYSIUS' COLLEGE

AUTONOMOUS  
JABALPUR- 482001  
MADHYA PRADESH, INDIA



## CRITERION-1



## CURRICULAR ASPECTS

### Key Indicator – 1.3

### Curriculum Enrichment

#### Metric No.: 1.3.2

Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms where the students of the institution have enrolled and successfully completed during the last five years (without repeat count).

#### Document Name

Brochures with Course Modules of Value Added Programs

2021-22.



**ST. ALOYSIUS' COLLEGE**

**(AUTONOMOUS), JABALPUR(M.P.)**

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**Certificate Course in Water Quality Monitoring Practical**

**Brochure**

**&**

**Course Module**



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DST-FIST Supported, STAR college scheme by DBT



### Department of Botany and Microbiology

(Excellence through perseverance)

Offers

Certificate course in



### 'Water Quality Monitoring 'Practical

2021-22

Duration 15 Days

Course Fee: In campus (Rs. 300), Off campus (Rs. 450)

Target Group: UG and PG Students

Grab the  
opportunity



### Account details

Name: St. Aloysius' College  
Account  
Acc.No.:5201214000008  
Branch: Gorakhpur Jabalpur  
IFSC code: CNRB0005201  
MICR code: 482015006  
Address: Canara Bank,  
Gorakhpur Branch, J.R. Sama  
Complex 78 Narbada road,  
Katanga Crossing, Jabalpur,  
M.P.



### Objectives of the course

- To alert about current, ongoing, and emerging problems of water pollution.
- To describe beneficial uses of water.
- To determine compliance with drinking water standards.
- To discuss Government strategies for water management.
- To inculcate skills for water quality assessment.

REGISTER  
HERE



### Learning outcomes

- Physical properties of water
- Chemical properties of water
- Biological properties of water
- Assessment methodologies
- Industrial application and job opportunities.

### Contact details

Email:  
[bot.lacc@gmail.com](mailto:bot.lacc@gmail.com)



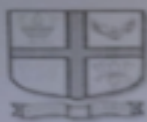
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St. Aloysius' College (Autonomous), Jabalpur, M.P.  
Reaccredited A+ by NAAC with CGPA (3.68/4.0),  
College with Potential for Excellence (CPE) by UGC  
DST –FIST supported and STAR College scheme by DBT  
Department of Botany and Microbiology



## CERTIFICATE COURSE IN WATER QUALITY MONITORING Syllabus Session 2021-22 onwards

### List of practical

1. To study the color / turbidity of given water sample.
2. To study the pH of given water sample.
3. Detection of chloride in given water sample.
4. To study the role of sedimentation in water purification.
5. To calculate TDS of given water sample.
6. Detection of ions in water through flame photometer.
7. Detection of dissolved oxygen in given water sample.
8. Detection of BOD and COD for given water sample.
9. Isolation of aquatic bacteria.
10. Isolation of aquatic fungi.
11. Isolation of *Vibrio* / *Salmonella* / *Shigella* / *Klebsiella* / *E. coli* on selective growth medium.
12. To perform coliform test.
13. Study of effect of UV radiations on microbial growth.
14. Treatment of waste water using Nature's strategy (Innovation).

*Dr. S. S. Saha*  
18/12/20

*Dr. S. S. Saha*  
18/12



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Unit - 5	Cultivation management: Insect pests, fungal competitors and other important diseases, Pest management; Harvest and Post-harvest technology, Value added products and entrepreneurship.	3 Hours
Total theory hours		15 Hour
Module II: Practical		1 Credits
1.	Preparation of mother culture	2 Hour
2.	Multiplication of spawn	3 Hour
3.	Sterilization of substrates	2 Hour
4.	Pasteurization of substrates	2 Hour
5.	Composting	2 Hour
6.	Cultivation of oyster mushroom	3 Hours
7.	Cultivation of button mushroom	3 Hours
8.	Visit to mushroom cultivation unit	5 Hours
9.	Project	8 Hours
Total practical hours		30 Hour

Marking Scheme		
MM 100		
Modules	Max Marks	Minimum passing marks (50% marks)
Module I	50 marks	25
Module II	50 marks	25
(a) Practical	25 marks	
(b) Project	25 marks	
Total marks		100

*[Handwritten signature]*  
18/12/20  
Dr. S. J. ✓

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18/12/20



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DST-FIST Supported & Star College Scheme by DBT.

## Reference Books

1. Handbook on Mushrooms by Bahl N.
2. Benjamin Hirst Mushrooms: A Beginners Guide to Home Cultivation Paperback (20150)
3. V. N. Pathak. Mushroom Production and Processing Technology IST Edition Hardcover - 2011
4. Eri Staff Hand Book of Mushroom Cultivation, Processing and Packaging Paperback - Import, 2007
5. R. C. Dubey and D. K. Maheshwari. Practical Microbiology, 2009. S. Chand and Com. Ltd. ISBN 81219-2153-8. 8 (4)

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**ST. ALOYSIUS' COLLEGE**

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## **Certificate Course on Microtomy**

**Brochure**

**&**

**Course Module**



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DST-FIST Supported & Star College Scheme by DBT.



**ST. ALOYSIUS' COLLEGE (AUTONOMOUS)**

**JABALPUR, (MADHYA PRADESH), INDIA**

**REACCREDITED 'A+' BY NAAC (CGPA 3.68/4.00)**

**COLLEGE WITH POTENTIAL FOR EXCELLENCE BY UGC**

**DST-FIST SUPPORTED & STAR COLLEGE SCHEME BY DBT**



**Session 2021-22**

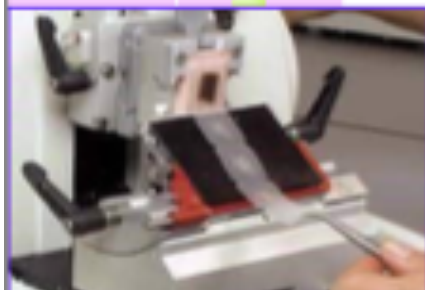
**Certificate Course**

**In  
"Microtomy"**

**Organized by Department of Zoology  
Starting from**

**13th September to 13th October 2021**

**Credits - 2 Duration - 30 Hours**



**HYBRID MODE  
PLATFORM  
GOOGLE MEET**

**Beneficiary Name : Principal  
St. Aloysius College, Jabalpur  
Credit Account No. :**

**5201214000008**

**IFSC Code : CNRB0005201**

**Bank Name : Canara Bank**

**Branch : Gorakhpur Jabalpur**

**A/C Type : Current**

**Registration Link**

<https://forms.gle/wnfYCTiNxeeQ4Jzf6>

**For any query contact or mail us**

**Dr. Priyanka Sinha - 9685620011**

**Dr. Runa Paul- 9893415069**

**zoo.sac@gmail.com**

**Registration  
Fee -300/-**

**For more details please visit college website : [staloyuscollege.ac.in](http://staloyuscollege.ac.in)**





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## ST. ALOYSIUS COLLEGE (AUTONOMOUS), JABALPUR

Department of Zoology

Certificate Course

on

"Microtomy"

(Session 2021-2022)

**Credits: 2**

**Duration: 30 hrs.**

### Course Objectives:

- The course provides students with basic knowledge and principle of microtome and their application
- To get detailed information about tissue sectioning using a microtome
- To provide a basic idea about the microscopic analysis of internal structure
- To understand the techniques involved in the process of microtomy.
- To develop fundamental knowledge of histological details of the organs and tissues

### Learning Outcomes:

**The students are expected to acquire the knowledge of the following:**

- Types of microtome and their application
- The technique of tissue sectioning
- Preparation of permanent slides of tissues for microscopic examination of internal structure.
- Histological details of the organs and tissues
- Gain self - employment and entrepreneurship





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DST-FIST Supported & Star College Scheme by DBT.

## Eligibility Criteria:-

1. UG & PG (Biosciences Students), Any students from any college can register in the course
2. **Duration & Credits of the Course** -: 30 hrs & 2 Credits
3. **Fee Structure:** Rs. 300/-
4. **Internal Evaluation**

## Scheme of Examination

Paper		Maximum Marks	Minimum Marks	Total Marks
I	Theory	50	25	100
II	Practical	50	25	



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## Paper -I Theory

### Course Content

#### Unit I – Introduction of the course, history & scope

1. Define Microtome
2. History of Microtomy
3. Microtome – Scope & Applications

Traditional Histology Technique

Cryosectioning Technique

Electron Microscopy Technique

#### Unit II – Histology

1. Cell & Tissue
2. Different types of tissues
3. Structure & function of tissues

Epithelial Tissue

Connective Tissue

Nervous Tissue

Muscle Tissue

#### Unit III – Types of microtomes - Principle, working & application

1. Hand Microtome
2. Rotary microtome
3. Base sledge microtome
4. Cryomicrotome
5. Ultra microtome
6. Microtome knife and its types.



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Advantages

Disadvantages

## Unit IV – Process of Microtomy (Part I)

- Preparation of the material & fixation
- Washing
- Dehydration
- Clearing of the tissue
- Preparation of the tissue for embedding
- Paraffin Infiltration and embedding

## Unit V - Process of Microtomy (Part II)

- Block Making and orientation
- Trimming of block
- Cutting Sections
- Mounting on microscope slides
- Clearing and Staining
- Preparation of permanent mounts



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**Certificate Course on Music (Vocal)**

**Brochure**

**&**

**Course Module**



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## ST. ALOYSIUS COLLEGE (AUTONOMOUS),



Reaccredited 'A+' Grade by NAAC (CGPA : 3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & Star College Scheme by DBT

Jabalpur (M.P.) India

## CERTIFICATE COURSE in MUSIC

12 SEPTEMBER  
TO  
28 SEPTEMBER  
2021

From 12 to 2:00 pm

**ORGANISED**

**BY**

**DEPARTMENT OF EDUCATION**

### Objectives

- \* To develop an analytical, creative and intuitive understanding of music.
- \* To provide opportunities and guidance to prepare the students for a professional life in music.
- \* To promote higher levels of human aspiration and artistic integrity through the composition, documentation and performance of music.

**COURSE  
DURATION  
30 hrs**

**Note: \* The course will be conducted by professional musicians, who can readily introduce intricacies of music.**

### FOR ENQUIRY CONTACT

DR. TAPSI NAGRAJ (9425386190)

MRS. MEETA AGRAWAL (9425704359)

E-mail-tapsisac123@gmail.com

Registration Fees 200/-

Beneficiary Name- Principal, ST. Aloysius College

Account no- 5201214000008

IFSC : CNRB0005201

Canara Bank, Gorkhpur Branch, Jabalpur

Registration link

<https://forms.gle/43mWyBADypvezom39>

**COORDINATORS  
DR. TAPSI NAGRAJ  
MRS. MEETA AGRAWAL**



# ST. ALOYSIUS' COLLEGE

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DST-FIST Supported & Star College Scheme by DBT.

## St. Aloysius College (Autonomous) Jabalpur M.P.

### Certificate Course Music (vocal) 2021

#### Objective:

- 1 To develop an analytical, creative and intuitive understanding of music.
- 2 To provide opportunities and guidance to prepare the students for a professional life in music.
- 3 To promote diversity among the students.
- 4 To promote higher levels of human aspiration and artistic integrity through the composition, documentation and performance of music.

#### Syllabus:

##### Unit-1

- 1 What is Music? Definition of sound swar and alankar used in music.
- 2 Definition of shruti..saptak...that.
- 3 Definition of aaroh..pakad..swar...vaadi..samvadi and anuvadi swar.

##### Unit-2

- 1 Different category of music classical music—shuddh raag (theory& practical).
- 2 Light classical music thumri...darra kairi..chaiti.
- 3 Folk music ...connected with common people.
- 4 Two categories of classical music.
  - Hindustani classical music



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- Karnataka classical music

## Unit-3

1 Various kind of Hindustani classical music.

A

- Sargam
- Lakshan geet
- Chota khayal
- Bada khayal
- Dhrupad
- Tarana

B Knowledge of ragas

- Bilwal
- Khamaj
- Yaman

## Unit-4

1 Pandit Vishnu digamber bhatkhandes music notation in music.

2 Traditional of Indian instruments

Performance of musical instruments.

Bowing blowing and rhythm instruments.

## Unit-5

1 Knowledge of taal.

- Teen taal.16 beats.
- Dadra 6 beats
- Kaharwa 8 beats
- Rupak 7 beats





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- Dipchandi...14 beats

2 Correlation with classical music & film music.

3 Notation of National Anthem Practice on harmonium.

## **Outcome of the Course-**

1 It will provide an opportunity to the students to enter in the field of music.

2 The student will understand and use music as a stress releasing therapy.

3 It will provide Employability in different areas of art like musicology, performer, band music, mentors.

4 It will provide a opportunities to enter the theatre world.



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## Diploma in International Business

Brochure

&

Course Module



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College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## ST. ALOYSIUS COLLEGE (AUTONOMOUS)



Reaccredited 'A+' by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & Star College Scheme by DBT

Jabalpur, Madhya Pradesh, India



### Department of Management

*Organizing*

### **DIPLOMA IN INTERNATIONAL BUSINESS**

Duration

One Year Program

Two Semesters with specialization in International HR/ Finance/Marketing

Starts from 1<sup>st</sup> January 2022

Eligibility -12<sup>th</sup> Pass in any stream with 50% marks

Open for all

Patron

**Rev. Dr. G. Vazhan Arasu**

Head & Course Co-Ordinator

**Dr. Pearly Jacob**

Program Fees- Rs.10,000/-

Registration Fees -Rs. 500 ( Non -Refundable)

Registration Link- <https://forms.gle/owBUjN2SBui85Esa6>

### Course Module

#### Semester I

- Principles & Practice of Management
- International Business Environment
- Global Culture and Business Ethics
- International Marketing Management

#### Semester II

- Global Strategic Management & Case Dynamics
- International Financial Management
- Internship/ Project Work

For Further inquiry contact: [mng\\_sac@gmail.com](mailto:mng_sac@gmail.com)



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College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Department of Management Studies Diploma in International Business (1 year programme)

### Course Focus:

This course focuses on the "Context" aspect of strategy, where the context here happens to be internationalization/globalization. Through discussing various case studies that involve International issues arising out of working in a different country, culture and a diverse workforce, the course seeks to develop the much required skills in budding Business Managers to manage such situations, both in India and abroad.

### Course Format:

- July – December : Semester I
- Examinations : December
- January – June : Semester II
- Internship : May- June
- Examination: June
- Each paper of 100 Marks maximum.
- Internal Marks: 60 each.
- Includes : Presentation, Attendance, Written test and Assignments.
- Timings: Monday to Saturday 12:00to 1:00pm.

### Course Content:

#### Semester I

- Principles & Practices of Management
- International Business Environment
- Global Culture and Business Ethics
- International Marketing Management

#### Semester II

- Global Strategic Management & Case Dynamics
- International Financial Management
- Internship / Project Work

### Course Pedagogy

The course is almost completely Case based. The focus is on in-class participation. The objective is to make better managers of the students by putting them in situations that involve taking decisions on matters of International management.



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Since the focus is on class preparation and participation, students are rewarded for both preparation and participation.

- **Course structure and positioning**

The course assumes knowledge of all the basic concepts of management on the part of the students. However lack of sufficient knowledge of International management or cross cultural management will not be a handicap in comprehending this course.

### **Regulations of Diploma in International Business**

1. The one year Diploma course will run according to semester system as per regulations.
2. The diploma course will have 2 semesters.
3. The intake and fees will be regulated by the college's decision from time to time.
4. Admission under the course will be made on the basis of merit or through the entrance test.
5. The eligibility to admission will be 12<sup>th</sup> pass in any stream with minimum 50% .
6. The course will include the internship/project work and examination.
7. Each student will have to appear in the examination of theory, internship/project work and internal assessment necessarily.
8. The candidate is required to complete the entire course within a maximum period of 2 years from the session of the first admission necessarily.
9. The student will be eligible to appear for the final examination only when he/she has secured 75% attendance.
10. The internal examination will be based on the case study, assignment, written test and presentations.
11. The internal examination carries 60% of the total marks. 40% passing in internals is necessary to appear in the final examination.
12. Internship/Project work will be conducted under the guidance of the faculty. The Internship/project work will comprise of 40 marks and project report will be of 35 marks and project viva of 35 marks. Project report will be assessed by the external examiner and thereafter Viva examination will be conducted by the external examiner which will comprise of 35 marks each. The passing marks will be 40% of each component. That is Internship/project work will have minimum passing marks as 16. Project report will have 14 marks as minimum passing and also project viva. The internship/Project work will be undertaken for a minimum period of two months in any institution/business house which deals with international business.
13. A candidate who fails in the internal examination will cease to be a student in the course and will be ineligible to appear in the final examination.



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14. If the candidate fails in one subject in any one semester but clears in the remaining subjects of that examination, he/she will be "Allowed to keep the Term" i.e. ATKT and will be promoted to the next semester. He/she shall be eligible to carry the backlog of one subject of each semester examination but in no case he/she shall be permitted to carry backlog of more than one subject at a time. In case of ATKT examination an additional fee for examination will be paid by the candidate as per the norms of college.
15. Provided further that if a candidate fails in some subject of earlier semester but gets passing marks in internal examination, he/she may be allowed to appear as an ex-student in the next examination of the same semester.
16. Provided further that if a candidate fails in some subject earlier semester and clears the final/second semester, his/her results will be withheld. He/she will be awarded diploma only in the year in which he/she clears the papers. In such a situation, mark-sheet for each semester will be issued together in the second semester, once he/she clears all the subjects.
17. There will be no provision of revaluation. However the candidate can apply for re-totalling in one subject per semester as per the norms of college.
18. No candidate will be permitted to appear in the semester examination unless one has:
  - Attended at least 75% of the lectures
  - Appeared for all the internal assessments and cleared them
  - Paid all the fees due
  - Submitted the job internship certificate and project report in the final semester.
19. The division shall be awarded on the basis of total marks obtained in the internals assessment and external examination taken together.
  - a. 60% or above as first division
  - b. 50% to 59 % as second division
  - c. Less than 49% as third division.
20. In case of any dispute/ambiguity the ruling of the Principal shall be final and binding.

\*\*\*\*\*

## Scheme of Examination

Paper	Subject	Total Marks		Internal		External	
		Max.	Min.	Max.	Min.	Max.	Min.
DIB 101	International Management- Principles & Practices	100	40	60	24	40	16
DIB 102	International Business Environment	100	40	60	24	40	16
DIB 103	Global Business and Business Ethics	100	40	60	24	40	16



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DIB 104	International Marketing Management	100	40	60	24	40	16
DIB 201	Global Strategic Management and Case Dynamics	100	40	60	24	40	16
DIB 202	International Financial Management	100	40	60	24	40	16
DIB 203	Internship/Project work:	100	40				
	a. Internship/Project	40	16				
	b. Project Report	35	14			100	40
	c. Project Viva	35	14				

## Model Question Paper

St. Aloysius College (Autonomous), Jabalpur

Department of Management Studies

Diploma in International Management

Paper:

Max. Marks: 40

Min. Marks: 16

Attempt all the questions. Internal choices are given. All questions carry equal marks.

[8\*5=40]

1. Ques 1.

OR

Ques. 1.

2. Ques 2.

OR

Ques 2.

3. Ques 3.

OR

Ques 3.

4. Ques 4.

OR



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DST-FIST Supported & Star College Scheme by DBT.

Fees: Rs. 25000/-

## Expenditure:

Books & Photocopies Rs. 3000/-

Examination Fees Rs. 3500/- for 2 semesters

Remuneration to faculty @ Rs. 250/- per lecture

Total No. of lectures: 140 for 2 semester.

Contribution to college @ 20% of per student fee

Contribution to Coordinator @ 20% of per student fee

## **Paper DIB-101: INTERNATIONAL MANAGEMENT- PRINCIPLES & PRACTICES**

**Objective: The objective of this paper is to familiarize students with the cross – cultural behavior and its management for successful operations of the international firms. Management for successful operations of the international firms. To get acquainted with the principles and practices related with management studies at international level. 20 lectures**

1. International Management: Concept, Dimensions and Approaches; Globalization, Business culture and corporate culture; Problems of intercultural communication; Leadership in the Cross cultural dimensions, Cross -cultural values and business management; Business values ethics and social responsibilities.
2. Challenges of Global Planning: Economics, political, and strategic predisposition imperatives; Resource allocation and portfolio compositions of a global firm; Planning for linkages and synergies among business across borders; Locus of decision making; Headquarter-subsidiary relationships in international business enterprises.
3. Organization and Control for international Competitiveness: Multinational Corporations: Nature, goals, Global Trade and its theories, Organization design and structure of international companies.
4. Management of Personnel with Different Social and Cultural Backgrounds: Selection, training and development of people for global assignments; Compensation and reward practices among international firms; managing cultural and social diversities.
5. Managing international Collaborative Arrangements: Joint Ventures and other forms for strategic alliances: Traditional and emerging reasons for forming strategic alliances, Pitfalls in strategic alliances; Making cross -cultural alliances work.

**Text Book:** International Business , K Aswathappa; Tata McGraw Hill.





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## Paper : DIB-102 International Business Environment

**Objective: The objective of this paper is to familiarize the students with the current business scenario and build their foundations of the basic policies and regulations of India as well as the world financial environment.**

### 20 lectures

1. International Business: Overview, types of environment –economic, political, social, cultural and legal. Influence on trade and Investment patterns, Recent World Trade and Foreign Investment trends, Country risk. Changing Environment of International Business: Globalization, Liberalization and Privatization.
2. Trade and Investment: Foreign Direct Investment, Govt. influence on trade and investment.
3. World financial environment – tariff and non- tariff barriers, forex market mechanism, exchange rate determination, Eurocurrency market, international institution (IMF, IBRD, IFC, World bank, IDA, MIGA) NBFS's and Stock markets.
4. Regional trading blocks and trading agreements' global competitiveness.
5. Corporate Governance, global competition, HR development, social responsibility, world economic growth and physical environment.

**Text Book:** Public Finance and International Economics; M L Jhinghan.

## Paper DIB-103

### Global Business And Business Ethics

#### 20 lectures

1. Overview of Global Business: Globalization Issues/Forces The big picture, The importance of IB in the world economy, Global Monetary and Financial System, International Politics, Regulation, and Law Project II



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2. New trends and increasing competition in foreign trade. Role of foreign cooperation in economic development, Employment opportunities and new paradigms in employment , Indian and International Labor standards.

3. The Cultural Challenge and raising up to the global challenge, Global Business Operations and Management. Global Business Strategy, Global Marketing, Global Financial Management

4. Business ethics: Definition & nature, Characteristics of ethical problems, The Role of Ethics in Business, Causes of unethical behavior; Ethical abuses; Work ethic, Code of ethics, The Importance of Business Ethics, Stakeholder Relationships, Social Responsibility, and Corporate Governance

5. Emerging Business Ethics Issues; Business Ethics in a Global Economy & Case Studies

**Text Book:** International Business , K Aswathappa; Tata McGraw Hill.

## Paper DIB- 104 INTERNATIONAL MARKETING MANAGEMENT

### Objectives

- The course participants will become more familiar with the nature and practices of international marketing. They should feel equally confident to be able to distinguish international marketing mechanics from the domestic marketing models and approaches.
- They would be far more equipped to design and participate in designing an international marketing strategy.
- The spin-off benefits to the participants should be to develop in them a right attitude, inject enthusiasm and hone their interactive ability as they address the issues and challenges of operating in the international markets.

### 20 lectures

**1:** Introduction to International Marketing: International Marketing Environment, Preparing for International Marketing Strategies.

**2:** International Marketing Mix: International Research and Segmentation, Developing Global Products and Pricing, International Promotion and Advertising, International Distribution Systems.

**3.** The Indian Export Scenario: The Export Import Scene in India, Import-Export Policy, Export Documentation, Export Procedure, International Technology Transfer and Counter Trade, The Trade Mark Regime.



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4. International Marketing Planning: Managing Systems for International Marketing, Reflection and Evaluation of the Endeavors.
5. Case Study

### Suggested Readings:

1. International Marketing by R. Srinivasan
2. International Marketing by Dr. R. K. Kothari & Dr. P.C. Jain
3. International Marketing by Rajgopal
4. International Marketing by Sunil Gupta & Kulbhushan Chandel

### **Paper DIB: 201 GLOBAL STRATEGIC MANAGEMENT & CASE DYNAMICS** 20 lectures

**Objective:** The objective of this paper is to help students understand strategy making process that is informed integrative and responsive to rapid changes in an organization's globally oriented environment and also to help them understand tasks of implementing strategy in a global market.

**1. Introduction:** Strategy making strategy implementing and strategic managing; Roles of line managers, strategic planners and top management; Developing strategic vision and mission; Setting objectives and forming a strategy; Globalization and strategic management; Strategic flexibility and learning organization.

**2. Environmental:** Scanning and Competitiveness Analysis; Appraising company's external strategic situation, company situation, competitive strategy and competitive advantage in global market.

**3. Situation Specific Strategies:** Strategies for situation like competing in emerging industries, maturing or declining industries, fragmented industries, hyper-competitive industries and turbulent industries; Strategies for industry leaders, runner-up firms and weak businesses.

### **UNIT 4 & 5 : CASE STUDIES**

### Suggested Readings:

1. Davidson, W.H., Global Strategic Management, John Wiley, New York.
2. Ellis, J. and D. Williams, International Business Strategy, Pitman, London, 1995.

### **Paper 202: INTERNATIONAL FINANCIAL MANAGEMENT** 20 lectures

**Objectives:** This paper will introduce the environment of international finance and its implications on international business, it will help to understand the nature and



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functioning of foreign exchange markets, determination of exchange rates and interest rates..

1. The Foreign Exchange Market: Structure and Operations , The International Monetary System
2. The Balance of Payments: Implications for Exchange Rates, International Parity
3. Management of Foreign Exchange Exposure and Risk , Currency Forwards and Futures , Currency Options, Financial Swaps
4. Cross-border Investment Decisions, Financing Decisions of MNCs.
5. Foreign Investments & Management of Working Capital: An International Perspective

#### **Suggested Readings:**

1. International Financial Management, Thummuluri Siddaiah; Pearsons
2. International Financial Management, Jeff Madura
3. International Financial Management, Cheol S Eun, Bruce G Resnick

### **Paper 203: INTERNSHIP/PROJECT WORK**

**Time duration: 2 months**

**Project Work should be undertaken by the candidate as assigned by the faculty of the course . Internship/Project work will be conducted under the guidance of the faculty. The Internship/project work will comprise of 40 marks and project report will be of 35 marks and project viva of 35 marks. Project report will be assessed by the external examiner and thereafter Viva examination will be conducted by the external examiner which will comprise of 35 marks each. The passing marks will be 40% of each component. That is Internship/project work will have minimum passing marks as 16. Project report will have 14 marks as minimum passing and also project viva. The internship/Project work will be undertaken for a minimum period of two months in any institution/business house which deals with international business.**



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**Certificate Course on Advertising & Sales Promotion (Advance )**

**Brochure**

**&**

**Course Module**



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## Certificate Course On "Advertising and Sales Promotion Advance"

11<sup>TH</sup> January 2022 to 12<sup>TH</sup>  
February 2022

### Modules:

- Advertisement
- Sales promotion
- Communication skill
- Tools of Marketing
- Marketing Strategies
- Advertising media



### Contact

- Dr.Elena Philip 9893150201
- Dr.Reeta Chouhan 9770727827
- Dr.Anthonima Robin 7898865525
- Dr.Renu Markande 7470965809

Registration fee : Rs 300/  
Certificate will be provided to all



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DST-FIST Supported & Star College Scheme by DBT  
Jabalpur, Madhya Pradesh, India*

### Department of Economics .

#### *Advertisement & Sales Promotion Advance*

#### Course Objective

- The program has been framed in such a manner that students receive real feel of education by touching all aspects of advertisement and sales promotion. It helps understand the place and contribution of advertisement, sales promotion and sale to the business enterprise.
- Develop the ability to address and understand functional aspects of Advertising Newspaper houses, Media and Production Houses well as it gives operational knowledge of Sales department in corporate, private and public sector organizations through the summer internship Training .

**Module I:** Developing sales promotion programme, pre-testing implement evaluation of results and making necessary modifications. Public relations- features, growing importance, role in marketing, similarities in publicity and relations, Major tools of Public Relations- News, speeches, special events, and leaflets, audio-visual public service activities, miscellaneous tools.

**Module II:** Careers in Advertising & Sales Promotions, Finances in the A Sales Promotion Ethical and legal aspects of Advertising & sales promotion basics: Use of Computer Application in Advertising & Sales Promotion.

**Module III:** Methods of advertising research, Research Agencies, problem in media and Utility of Advertising Research in Indian society .Advertising Research Methodology Studies - Audience Study by Media or Independent Bodies, audience research /target in process of advertising research, various kinds of advertising research, positioning research Advertising Research, Creative Tactics, Coordination and Budgeting, Implementation of Advertising Campaign and Applying Research to Advertising Strategy.



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**Online Certificate Course on German Language (Basics)**

**Brochure**

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*Women Cell Presents*

## GERMAN TRAINING

### HERE'S WHAT YOU'LL LEARN:

- > Greetings & introducing self and others - Theme lesson 1
- > Talking about hobbies, professions and numbers - Theme lesson 2
- > In the city - Theme lesson 3
- > Talking about food and mealtimes - Theme lesson 4
- > Asking and telling time - Theme lesson 5
- > Spending time with friends - Theme lesson 6



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**Online Certificate Course in Spoken English in Daily Life**

**Brochure**

**&**

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**Aloysius' College (Autonomous), Jabalpur**

**Re-Accredited 'A+' Grade By NAAC**

**College with Potential for Excellence**

## Department of English

### *"Online Certificate Course in Spoken English in Daily Life"*

*For Registration*

Contact : *Dr. MARY Raymer*  
( 8085344772)

*Mrs MEETA AGRAWAL*  
9425704359

#### KEY FEATURES:

- \*Confidence Building.
- \*Conversational Skills
- \*Group Discussions
- \*Word Power
- \*Vocabulary Building  
& much more .



English  
Sentences  
Used in  
Daily Life

[www.kitsamerkos.com](http://www.kitsamerkos.com)



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## Certificate Course on Spoken English in Daily Life

Course Outcome: Proficiency in conducting group discussions and power writing

### Assessment

Duration: 30 hours

Credits: 02

Objectives:

- Enhance English speaking skills
- Acquire key vocabulary and phrases relevant to Daily life

Course Content:

Module 1 - Self-Introduction Techniques

Module 2 - Common Expressions

Module 3 - Error Correction

Module 4 - Vocabulary Expansion

Module 5 - Oral Presentation Skills

Module 6 - Conversational Scenarios

Module 7 - Everyday Dialogues

Module 8 - Personality-related Vocabulary

Module 9 - Group Discussions

Module 10 - Impromptu Speaking

Module 11 - Nonverbal Communication

Module 12 - Social Etiquette

Module 13 - Effective Writing Strategies

Total marks 100

(Theory -30 Practical 70)

Passing Marks – 50



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**Certificate course on Right to Information and filling RTI**

**Brochure**

**&**

**Course Module**



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Jabalpur, Madhya Pradesh, India



### Department of Political Science

## Certificate Course in Right to Information and Filing RTI

Course Fees: 500

#### Bank Details:

Beneficiary Name: Principal,

St. Aloysius College Autonomous Jabalpur

Credit Account No: 5201214000008

IFSC Code : CNRB0005201

Bank Name: Canara Bank

Branch: Gorakhpur, Jabalpur

Account Type: Current

Date of Commencement: 2021-22

Eligibility: Minimum 10+2

Duration: 30 Hrs (2 Credits)

Timing: 1.30-2.30 PM

Mode of Teaching: Hybrid

For Registration Click here:

Email: [poli.sac@gmail.com](mailto:poli.sac@gmail.com)

For Queries Contact: 8839436653, 9424086040, 7999709082



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## **Department: Political Science**

**Name of Certificate Course/ Diploma:** Certificate Course on Right to Information and Filing RTI

### **Learning Outcomes (To be mentioned in bullets):**

The students will be able to:

- Understand the practical applicability of the Right to Information Act, 2005.
- File an RTI by going through the procedure for seeking information from any public office within the territory of India.
- Discuss the request disposal procedure as defined under the Act.
- Identify the information that is exempted from disclosure under the RTI regime.
- Good understanding of the roles and responsibilities of ~~organisations~~ / persons concerned with implementing the law and with enforcing the rights under this law.
- A sound knowledge of the provisions of the RTI Act, 2005 among the people taking this course.

### **Course Module:**

#### **Module 1:**

- a. Overview of Right to Information
- b. Scope of Right to Information Act, 2005

#### **Module 2:**

- a. Using the RTI Act to get "Information"- The Filing of the Request for obtaining Information



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- b. What is covered under RTI Act
- c. Fees under RTI Act

## Module 3:

- a. Disposal of the Request and the time limits for Compliance with the Request
- b. Penalty Provisions under RTI Act
- c. Compensation Provisions under RTI Act

## Module 4:

- a. RTI Online Filing procedure
- b. RTI Offline Filing procedure

**Course Duration (Hours/ Month):** 30 Hours

**Credits:** 02

**Course Coordinator:** Dr. Vishwas Patel

**Registration Link:** <https://forms.gle/T7Sfh3d5CiooqQMT8>

**Registration Fee :** Rs. 500/- only





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**Certificate Course on Characterization Techniques in Material Science**

**Brochure**

**&**

**Course Module**



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## Department of Physics announces the Commencement of

### Certificate Course On Characterization Techniques in Materials Science

XRD is a valuable tool for analysis and testing of materials used in pharmaceuticals, food, cosmetics, studies on nanomaterials, forensic, geological grading of minerals, electronic materials etc. Infact the scope for application is so vast that it is difficult to mention them all here. Everyone aiming at research field can take full advantage of this course and can establish the testing and analysis of their synthesized samples. UV- Vis spectroscopy is also one of the important charctrization techniques to study the optical property of materials.



Starting Date: 26<sup>th</sup> September 2021  
Fees: Rs 500 /-

#### Contact:

Dr. Pramod Chaitanya (9340953196)  
Dr. Nisha Pandey (9755728822)  
Dr. Poonam Pendke (9584533809)

**Beneficiary Name: Principal, St. Aloysius College, Jabalpur**  
**Credit Account Number: 520121400008, IFSC Code: CNRB0005201,**  
**Bank Name: Canara Bank**  
**Branch: Gorakhour. Jabalpur. A/C Type: Current**



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St. Aloysius' College (Auto.), Jabalpur

Department of Physics

Certificate Course on

"Characterization Techniques in Material Science"

Credit: 2

Time Duration: 30 Hrs.

### Course Outcome

The students are expected to acquire the knowledge of the following:

- Fundamentals of crystallography.
- Lattice Planes and Miller Indices.
- X-ray: Production techniques and Nature, Bragg's Law.
- Parameters related to crystallography.
- UV-Vis Spectroscopy, Calculation of Energy Band Gap using Mathematica.
- Operation and Handling of X-ray Diffractometer and UV-Vis Spectrometer.

Paper	Maximum Marks	Minimum Marks	Total Marks
I Theory	50	20	100
II Practical	50	20	

### Course Content

#### Part A: X-Ray Diffraction Technique

##### Unit-I

Introduction of Course, Crystal Structure, Single crystal, Polycrystal and amorphous material; Lattice and Basis, Unit Cell, Fundamental Element of Symmetry; Translation, Rotation, Reflection and Inversion symmetry, Introduction of Crystal system and Bravais Lattice in 3 dimensions.

##### Unit-II

Introduction and structure of Simple Cubic lattice(scc), Face centered cubic lattice(fcc) and Body centered cubic structure(bcc); Number of Lattice points per unit cell in scc, fcc and bcc structure. Lattice Planes and Plane Directions, Miller Indices of Planes with examples and tutorials, Method of finding Miller Indices.

##### Unit-III

Nature of X-rays, Production of X-ray, Continuous X-ray Spectrum, Duane and Hunt's Law, Moseley's Law. Principles of X-Ray Diffraction (XRD), Bragg's Law & Inter Planer Spacing.

*Nand*

*[Signature]*



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## Unit-IV

Calculation of Full Width Half Maximum(FWHM), Debye Equation & Particle size determination by X-rays, XRD analysis of Amorphous/ Semi crystalline materials, XRD Analysis of Crystalline Material, Determination of crystal structure.

## Unit-V

(Part B: UV Data Analysis)

Preparation of samples, Acquisition of Data, Importing of data in to the Mathematica environment, Determination of Spectroscopic Transition, Determination of Band Energy Gap.

### References:

1. Solid State Physics by Puri and Babbar, S. Chand Company Limited, New Delhi, ISBN No.: 9788121914765, 2008.
2. X-Ray Diffraction: A Practical Approach by C. Suryanarayana, Springer Science+Business Media, LLC, ISBN No.: 9781489901484, 1998.
3. Instrumental Methods of Analysis by H.H. Willard, L.L. Merritt, J.A. Dean and F.A. Settle, ACS Publication.
4. Introduction to Molecular Spectroscopy by C.N. Banwell, Mc Graw Hill.

*Handwritten signatures:*  
Nand  
Vijay



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## **Diploma in Computer Operator**

### **Brochure**

**&**

### **Course Module**



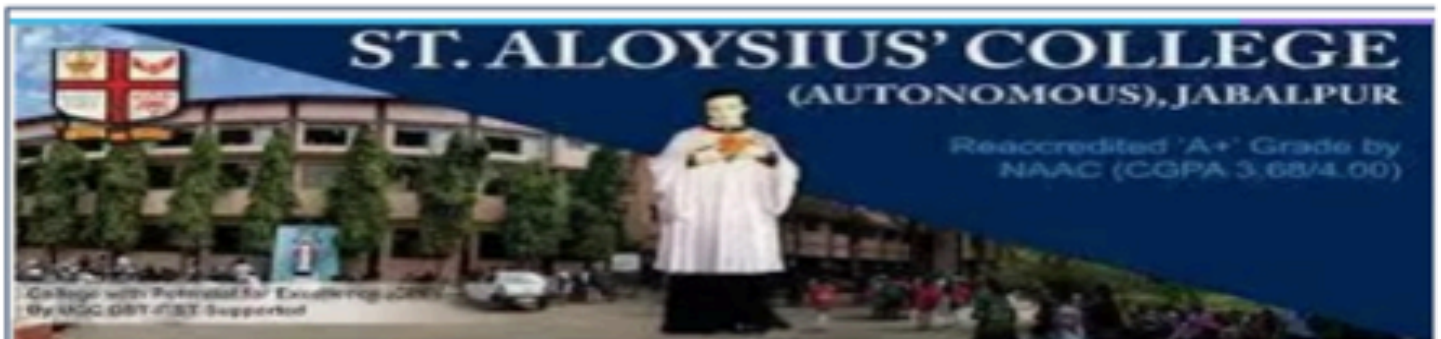
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(DCA)

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First Serve)**

### About Our Program

- Get Advance Computer Knowledge
- Get Advance Coding Skills
- Get Knowledge to Develop Website
- Get knowledge for Database Development
- Get knowledge of Networking
- Get Placements in MNC's

Course is applicable for both insiders and outsiders of college

COURSE WILL  
START FROM:

09/August/2021

COURSE DURATION  
ONE YEAR , 2 SEMESTER

**TOTAL FEE 6000/-**  
(Registration Fee 1000/-  
Course Fee 4000/-  
Examination Fee 1000/-)

#### CONTACT:

Mrs. S.K. WALIA 7987100054

Mr. AMIT YADAV 9303432958



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## Diploma in Computer Operator

Paper	Code	Subject	Credits	Marks	
				Max	Min
Semester I					
I	1DCO1	Fundamentals of Computer	2	80	32
II	1DCO2	Office Automation	2	80	32
III	1DCO3	Computer Hardware and Networking	2	80	32
IV	1DCO4	English Typing	2	100	40
V	1DCO5	Internal		60	24
VI	1DCO6	Practical	2	100	50
Semester II					
I	2DCO1	DTP and Basics of Internet	2	80	32
II	2DCO2	Accounting Software Tally.ERP9	2	80	32
III	2DCO3	Web Designing Using HTML/CSS/Java Script	2	80	32
IV	2DCO4	Hindi Typing	2	100	40
V	2DCO5	Internal		60	24
VI	2DCO6	Practical	2	100	50



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## Diploma in Computer Operator I Semester IDCO1: Fundamentals of Computer

Credits	Theory		Internals	
	Max	Min	Max	Min
2	80	32	20	8

### UNIT-I

Introduction to Computer: History, Characteristics, capabilities and limitations, Block diagram of computers, Generation of computers and characteristics, Computer Hardware and Software introduction, Types of Computers: analog, digital (classification of digital computers), hybrid, general purpose and special purpose computer. Types of PC Systems-PC, XT and AT, Pentium, Computer systems: Micro, mini, mainframe, super.

### UNIT-II

Computer Organization: Input Devices: Keyboard, Mouse, Trackball, Joystick, Light Pen, Touch Screen, Scanners, MICR, OMR, OCR, Bar-Code Reader, Voice Input Devices, Storage devices-Primary and secondary storage, sequential, direct and indexed sequential, Tape storage devices, characteristics and limitation, tape storage and retrieval methods, direct access storage devices : hard disks, floppy disk, optical disks.

### UNIT-III

Central processing unit: Microprocessor, control unit, registers, buses, Main memory: [RAM, ROM (types)], Output device: Hard copy- Printer, plotter, Soft copy-[monitors (types)].

### UNIT-IV

Computer software: Types of software-[System, Application (types)], Translator-compilers, assemblers, interpreters, difference between language and package.

### UNIT-V

Computer languages: Types of languages [HL, ML and LL], Advantages and limitations, Types of programming language [machine language, assembly language, procedural language, object oriented language, 4GL- Advantages and limitations.

### Text Books-

Computer today by S.K. Basandra, Galgothia publication pvt. Ltd, New Delhi  
Computer fundamentals by P.K Sinha

### Reference Books-O-level module by V.K Jain





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(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Diploma in Computer Operator I Semester 1DCO2: Office Automation

Credits	Theory		Internals	
	Max	Min	Max	Min
2	80	32	20	8

### UNIT-I

**Linux:** Features of Linux — Pros and Cons of Linux, Workspace, The Panel, Taskbar, Titlebar, Window Manager, Manipulating Windows: Focus, Logout, Maximize and Minimize, resize, move, rollup, unroll, close, move to workspace, Logout, shutting down the system, Launchers, date and time, file manager, creating, deleting, moving and modifying the permissions of folders, Trash Can, Graphic image access, Creating and managing folders.

**LibreOffice:** Introduction to LibreOffice, Advantages of LibreOffice, Minimum requirements, Toolbars, displaying or hiding toolbars, sub-menus and tool palattes, moving toolbars, floating toolbars, customizing toolbars.

### UNIT-II

**Introduction to Writer:** Introduction to writer, Features of writer, Menu bar, Rulers, Status bar, context menus, slide bar, Starting new documents, opening existing documents, saving documents, Save As command, Renaming and deleting files, using the navigator, undoing and redoing changes, reloading a document, closing a document, word and character count, page style, selecting text, cutting, copying and pasting text, find and replacing text, insert special characters, macros, checking spelling and grammar, using synonyms and the thesaurus, Auto Correct, footnote, Endnote, bookmark, hyperlink, line number, paragraph settings, border, Formatting characters font name, size, effects, bullets and numbering, Formatting pages: page break, page margins, page number, Inserting Header, Footer, Print a page, Template, insert images, resizing, rotate, flipping, compress and deleting an image, working with drawing tools: insert, resize, grouping, rotating, positioning image with text, wrapping text, Working with Tables, Mail Merge.

### UNIT-III

**Introduction To CALC Spreadsheet:** Definition of Calc, Workbook, Working On worksheet, cells, title bar, menu bar, toolbar, formula bar, status bar, creating, opening and saving spreadsheets, password protection, sheet navigation, working with rows and columns, viewing Calc, editing and formatting data, merging and splitting cells, formatting data, Auto format of cells and sheets, conditional formatting, hiding and showing data, sorting records, find and replace, creating & formatting charts and graphs, using style and templates, working with graphics, Drawing tools, printing a spreadsheet, adding header and footer, formulas and functions.

### UNIT-IV

**Introduction to Impress:** Introduction, features, creating, Adding, saving, renaming and removing slides, and printing a presentation, adding, deleting and formatting comment, slide view, outline view, slide sorter view, notes view and slide show view, Changing text font and size, selecting text style and color, set header and footer, Using, bullets, ClipArt and word art



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gallery. Applying design template, Inserting graph adding transitions and animation effects, setting timings for slide show preparing note pages, preparing audience handouts.

## UNIT V

**Overview of Windows(virtual):**What is an operating system and basics of Windows, The User Interface, Using Mouse and Moving Icons on the screen, My Computer Icon, Recycle Bin, Status Bar, Start Button, Menu& Menu-selection, Running an Application, Windows Explorer Viewing of File, Folders and Directories, Creating and Renaming of files and folders, Opening and closing of different Windows, Control Panels, Wall paper and Screen Savers, Setting the date, time and Sound, Using right Button of the Mouse.Using Short cuts, Notepad, Window Accessories

### Text Books-

Libre Office 5

(J.S. Thakur)



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## Diploma in Computer Operator

### I Semester

#### 1DCO3: Computer Hardware and Networking

Credits	Theory		Internals	
	Max	Min	Max	Min
2	80	32	20	8

#### Unit-I

PERSONAL/ MICRO COMPUTERS: PC Main Parts : CPU Box, Monitor, & Peripherals [Keyboard, Mouse, Speaker]. Inside CPU Box: Motherboard, I/O Cards, Cables, Floppy Drivers, HDD, CD-Drive, Basic computer hardware architecture, Basic I/O devices – Keyboard.

#### Unit-II

MEMORY: Basic Concept - Types of Memory - RAM and ROM, Memory Chips: RAM and ROM EPROM. Memory Modules and packaging, Cache Memory, Various terms used in computer memory.

#### Unit-III

PC-ASSEMBLY AND CMOS SETUP AND TROUBLESHOOTING:

Observation of all parts of Floppy drives, HDD, CD, and SMPS. Identification of cables and computers. Mounting Motherboard in cabinet Installation of cards, devices and then connecting cables. Fitting of cabinet. CMOS – Setup Troubleshooting.

#### Unit – IV

Installation of Operating system. Software installation, Printer installation,

#### Unit-V

Communication model - Data communications networking – Protocol architecture - TCP/IP - LAN MAC - Ethernet, Fast Ethernet, Wireless LANS.

#### **Text Books**

1. Rajaraman V., Fundamentals of Computer, Prentice Hall of India Pvt. Ltd.
2. Gupta and Kumar, Hand Book of Electronics, Pragati Prakashan.
3. Sawhney A. K., Testing and Measuring Instruments, Dhannat Rai & Sons



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## Diploma in Computer Operator I Semester 1DCO4: English Typing

Credits	Practical			
	Max	Min	Max	Min
1	100	40	100	50

### ENGLISH TYPEWRITING Keyboard awareness & Practice

- Lesson 1 asdf :lkj + word drill
- Lesson 2 asdfef :lkjih + word drill
- Lesson 3 awerofa :oijni + word drill
- Lesson 4 eftfr hñvui + word drill
- Lesson 5 axcyf lkmbh + word drill
- Lesson 6 a to z, z to a + word drill
- Lesson 7 use of shift key
- Lesson 8 Sentences, Paragraph
- Paragraph Typing Practice



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## Diploma in Computer Operator

### II Semester

#### 2DCO I: DTP and Basics of Internet

Credits	Theory		Internals	
	Max	Min	Max	Min
2	80	32	20	8

#### UNIT I

Internet & Web Services- Internet: World Wide Web, URL, Domain name, Web Browser (Internet Explorer, Firefox, Google Chrome, Opera, UC browser, etc.); Search Engine (Google, Bing, Ask, etc.); Website: Static & Dynamic; Difference between Website & Portal. E-mail: Account Opening, Sending & Receiving Mails, Basics of Networking: Types of Networks (LAN, WAN, MAN); Network Topologies (Star, Ring, Bus, Hybrid).

#### UNIT II

Cyber Ethics, Security & Privacy-Email, Internet & Social Networking Ethics. Types of viruses & Antivirus. Computer security issues & its protection through Firewall & antivirus. Cyber Policies, Intellectual Property Rights (IPR), Violation of Copyright & Redressal. Making secured online transactions.

#### UNIT III

Introduction of DTP- Concept of Desktop Publishing, printer used in DTP, concept of multimedia, types of multiple files.

#### UNIT IV

Brief introduction of tools and options in Inkscape:- Working with different tools of Inkscape, working with (new, new from template, import , import clip art, print, clone, working with layer options, fill & stroke, group & ungroup, trace bitmap, break apart, effects on object.

#### UNIT V

Introduction of GIMP:- What is GIMP, interface of GIMP, working with tools, working of (new, create, save for web, export, print, stroke selection, feather, modes, transformation, Flatten image, Layer group, color adjustment, blur, distort, Animation in GIMP.

#### Textbook:

DTP Course by Vishnu Priya Singh

Basic Computer Science & Information Technology, RP Unified Ram Prasad and Sons, Bhopal.



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## Diploma in Computer Operator II Semester 2DCO2: Accounting Software Tally.ERP9

Credits	Theory		Internals	
	Max	Min	Max	Min
2	80	32	20	8

### Unit I

Accounting Concepts, Financial Accounting Basics- Company Creation, Accounts Configuration, Accounts Classification, Accounts Master Creations, Voucher Types and Classes, Accounts Vouchers

### Unit II

Inventory- Introduction to Inventory, Stock Groups, Stock Categories, Stock Item, Reorder Levels, Price List, Tariff classification, Entry of Pure Inventory Voucher, Bill of Material, Purchase and Sales Order,

### Unit III

Document Printing- Printing Configuration for Vouchers, Printing Reports, Printing of Inventory Reports, Software Maintenance & Upgrades- Upgrades, Data Maintenance, Import & Export of Data, Security

### Unit IV

VAT- Introduction to VAT, VAT Masters, Vouchers and Transactions, VAT on MRP, VAT Computation, Service Tax- Introduction to Service Tax, Creating Masters, Voucher Creations, Service Tax Reports

### Unit V

Payroll, Employee Group, Employee, Salary Details, Units, Attendance / Production Type, Voucher Types in Pay Roll, Introduction of Tally.NET, Creating Remote Users, Authorising Security Level, Remote Login

### Text Book

A to Z Computer Accounts by Goyal

Financial Accounting by S.M. Shukla, Sahitya Bhawan

Publication Computerized Financial Accounting by Singh & Singh

Tally Accounting Software by Nadani.



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## Diploma in Computer Operator

### II Semester

#### 2DCO3: Web Designing Using HTML/CSS/Java Script

Credits	Theory		Internals	
	Max	Min	Max	Min
2	80	32	20	8

#### UNIT-I

Introduction to HTML: What is HTML, HTML Documents, Structure of HTML document, Structuring Web Page, Paragraph and Line Break Tags, Adding Comments, Formatting your Text; Creating Lists: Ordered List Tags, Unordered List Tag & Nesting Lists, Creating Hyper Text Links, Linking to a Place in the Same HTML File, Linking to a Place in Another HTML File

#### UNIT-II

Elements of HTML: Images, Links, Rules, Address Tag and Text: Inserting Images: Using the Align Attribute in Inline Graphics, Setting the Height and Width of an Inline Image; Creating Image Links; Horizontal Rules: Changing the Height of a Horizontal Rule, Changing the Width of a Horizontal Rule, Setting the Alignment of a Horizontal Rule; Address Tag; Working with Text: Text Alignment, Changing Font Sizes and Colors: Setting Font Sizes, Setting the Base Font, Using the Small and Big tags, Changing the Font Color; Using a Background Image; Marquee Tag

#### UNIT-III

Web Page Authoring using HTML: Tables: Creating Columns and Rows, Adding a Border, Adding Column Headings, Adding Spacing and Padding, Adding a Caption, Setting the Table Width and Height, Aligning Cell Contents, Setting Column Width, Centering a Table, Inserting an Image, Spanning Columns & Spanning Rows, Setting Font Size and Colors, Assigning Background Colors; Frames: Percentage dimensions, Relative dimensions, Creating two rows Frames, Creating two columns frames, Creating two rows and the second row containing two columns.

#### UNIT-IV

Introduction to Cascading Style Sheets: Concept of CSS, Creating Style Sheet, CSS Properties, CSS Styling (Background, Text Format, Controlling Fonts), Working with block elements and objects, Working with Lists and Tables, CSS Id and Class, Box Model (Introduction, Border properties, Padding Properties, Margin properties), CSS Advanced (Grouping, Dimension, Display, Positioning, Floating, Align, Pseudo class, Navigation Bar, Image Sprites), CSS Color, Creating page Layout and Site Designs

#### UNIT-V

Introduction to JavaScript, Advantages of JavaScript, JavaScript program structure, data types, variables, arrays. Operators and Expressions, Looping, functions, dialog box and document object model.



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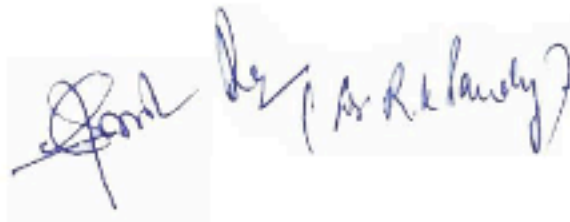
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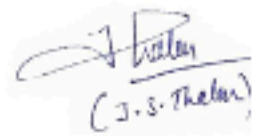
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## Text Books-

A beginner's guide to HTML(Kogent Learning Solutions Inc),HTML, XHTML, and CSS Bible, Sed(Wiley India),Web Technologies: HTML, Javascript(Wiley India)



P. R. K. Sawdy



J. S. Thelam







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**Towards Better Communication : Honing LSRW Skills in English**

**Brochure**

**&**

**Course Module**



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### DEPARTMENT OF ENGLISH

IN COLLABORATION WITH

INDIAN SOCIETY FOR THE PROMOTION OF ENGLISH LANGUAGE  
AND LITERATURE (iSPELL)

### ORGANISES ONLINE CERTIFICATE COURSE

## Towards Better Communication: Honing LSRW Skills In English

September 21- October 8, 2021

2-4 PM

Registration fees: Rs 500/-

Registration Link <https://forms.gle/jBvqM7QdogrxW3tY8>



### Patron

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Jabalpur, M.P



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Prof. of English

Directorate of Higher Education

Raipur, Chhattisgarh



Prof. Anupama Vohra,

Dept. of English, DDE,

University of Jammu,

Jammu & Kashmir



Dr. Kshamata Chaudhary

Head, Dept. of English

SHSS Vardhman Mahaveer Open

University. Kota, RJ.

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Dr. Soma Guha Das

Course Coordinator

Dr. Neelanjana Pathak

Head, Dept. of English



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Department of English  
Certificate Course  
2021-22

Department of English is going to organize a certificate course on "Towards Better Communication: Honing LSRW Skills in English".

Communication is the science and art of making sense with words. In addition to its vocational value, communication skill is probably the most important pre-requisite to learning in any field of academic study, and to growth and development in the community. One must learn to clarify one's thoughts, to express them efficiently and effectively and to examine the expression of others in order to comprehend its meaning and significance. Its purpose, methods, and presentation have been given in order to obtain obtain proficiency in listening, reading, speaking, and writing.

	Topic	Time
1	Objective of Communication	2hours
2	Principles of Communication	2hours
3	Listening /Hearing	2hours
4	Types of Listening	2hours
5	Communication Technics	2hours
6	Reading	2hours
7	Reading Comprehension and Thinking	2hours
8	Reading Technics	2hours
9	Writing :Academic and Creative	2hours
10	Written Communication	2hours
11	Speaking :	2hours
12	Public Speaking	2hours
13	Face to Face Communication/Telephonic Communication	2hours
14	Games: Games as a reflective strategy	2hours
15	Virtual Communication	2 hours



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## Course Outcomes:

1. The course covers most of the basic skills required for undertaking day-to-day personal and professional transactions using English as the medium of communication
2. The prescribed syllabus will help the students increase their proficiency in English by enhancing their resources to deal with communicative needs of everyday life at home, at work and in social interaction.
3. Ability to transfer information from non-verbal to verbal and vice versa.
4. The course will cover development of LSRW.
5. Participation in social and professional communication.
6. Sensitivity of learners to cross-cultural differences.
7. Total shift in pedagogy from lectures oriented classes to interactive learning.
8. Students will be better equipped to understand the function of grammatical item used in spoken/written language.
9. Identifying general theories and central concepts associated with communication.
10. The material, methodology and language tasks create contexts for interaction and language use, so that learners acquire and sharpen their language skills as they process the texts on their own.

Number of Students : 20 (Twenty minimum )

Duration of Course : 30 Hours (Thirty hours)

Credit : 2

Registration Fees : 500 /-

Teacher Incharge : Dr. Soma Guha Das



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## **Marketing Skills in Digital Landscape**

**Brochure**

**&**

**Course Module**



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*St. Aloysius' College (Autonomous), Jabalpur*

*Re-Accredited 'A+' Grade By NAAC*

*College with Potential for Excellence*



## Department of Management

# "Marketing Skills in Digital Landscape"

COURSE DURATION 30 hrs

### Course Objectives

•To Provide students with the essential philosophies and practices of marketing and digital marketing technologies.

•To equip students with specific knowledge in the areas of digital marketing communications

•To familiarise students to methodologies, tools and technologies involved in digital marketing.

### Module I

Introduction to Digital Marketing

### Module II

Digital Marketing Channels

### Module III

Search Engine & Trends .

For Registration

(Contact :- Dr.

Chitranshi Verma .

Dept.of Mat M.no

8989828758





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## St. Aloysius College (Autonomous)

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3.68/4.00) College with Potential for

Excellence by UGC

DST-FIST Supported & Star College Scheme

by DBT Jabalpur, Madhya Pradesh,

India

### Department of Management *Marketing Skills in Digital Landscape*

#### Course Objective

This course aims to familiarize students with the concept of digital marketing and its current and future evolutions. It further aims to be able to equip students with the ability to understand and subsequently create strategic and targeted campaigns using digital media tools.

#### Learning Outcomes:

At the end of this course, students would be able to:

1. Understand the concept of digital marketing and its real-world iterations
2. Articulate innovative insights of digital marketing enabling a competitive edge
3. Understand how to create and run digital media based campaigns
4. Identify and utilise various tools such as social media etc.

#### Module I.

Digital Marketing: Introduction, Moving from Traditional to Digital Marketing, Integrating Traditional and Digital Marketing, Reasons for Growth. Need for a comprehensive Digital Marketing Strategy. Concepts: Search Engine Optimization (SEO); Concept of Pay Per Click

#### Module II

Social Media Marketing: Introduction, Process - Goals, Channels, Implementation, Analyze. Tools: Google and the Search Engine, Facebook, Twitter, YouTube and LinkedIn. Issues: Credibility, Fake News, Paid Influencers;





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Social Media and Hate/ Phobic campaigns. Analytics and linkage with Social Media. The Social Community

## **Module III**

Email Marketing: Introduction, email marketing process, design and content, delivery, discovery. Mobile Marketing: Introduction and concept, Process of mobile marketing: goals, setup, monitor, analyze; Enhancing Digital Experiences with Mobile Apps. Pros and Cons; Targeted advertising. Issues: Data Collection, Privacy, Data Mining, Money and Apps, Security, Spam. Growth Areas.

### **Readings:**

1. Gupta, Sunil: Driving Digital Strategy. Harvard Business Review Press
2. Tuten, Tracy L. and Solomon, Michael R.: Social Media Marketing. Sage
3. Bhatia, Puneet S.: Fundamentals of Digital Marketing. Pearson
4. Kotler, Philip: Marketing 4.0: Moving from Traditional to Digital. Wiley



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**Beyond the Basics :- Mastering Web Design**

**Brochure**

**&**

**Course Module**



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## St. Aloysius' College (Autonomous), Jabalpur

### Re-Accredited 'A+' Grade By NAAC

### College with Potential for Excellence

## Department of Computer Science .

# “Beyond the Basics :- Mastering Web Design”

**Course Duration 30hrs**

### **Course Module**

#### **Module I**

Designing

#### **Module II**

Digital Marketing

(SEO/SMO)

#### **Module III**

Content Management

Systems (CMS)

#### **Module IV**

Layers and Masks

### **Course Objectives**

•1. To build dynamic web pages with validation using Java Script objects and by applying different event handling mechanisms.

•To develop modern interactive web applications

(Contact :- Dr. Sukhwinder Kaur  
Walia

Dept. of Computer Science :- M.No  
9425157667





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*Jabalpur, Madhya Pradesh, India*

### Department of Computer Science

### ***Beyond the Basics :- Mastering Web Design “***

#### **Course Objective**

- Learn how to design a website
- Learn to Create different themes for different layouts
- Learn how to design the look and feel of a website
- Learn how to create and design banners, advertisements, etc.
- Learning about the tools and techniques of web design covers using software applications

#### **Course Topics**

##### **Module I. Designing**

- Basics of Web Designing
- Multimedia and its Applications
- Web Technologies
- Introduction to Web Design & Applications

##### **Module II**

- Digital Marketing
- (SEO/SMO)
- Computer Graphics

##### **Module III**

- Mathematical Structure for Computer Science
- HTML
- CSS
- JavaScript
- Bootstrap

##### **Module IV**

- Adobe Dreamweaver
- Adobe Flash
- Available Software for Graphic Designing
- Animation Techniques



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## **Certificate Course on Mushroom Cultivation**

**Brochure**

**&**

**Course Module**



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Earn while  
you learn

Conducted by

**Department of Botany &  
Microbiology**

Mushroom cultivation is one of the most profitable agri-business that you can start with a small investment and less space. Mushroom cultivation in India is gradually becoming an alternative source of income for many people.

Course co ordinator: **Dr. Femina Sobin**, Department of Botany & Microbiology



**Certificate Course (Online): Mushroom Cultivation**

**2021-2022**

## The Course Objectives

- To learn cultivation techniques
- To learn spawn development techniques
- To create awareness on nutritional and medicinal values of mushrooms
- To create consciousness about products from mushrooms
- To learn Marketing

## Learning Outcomes

- Mushroom structure and significance
- Varieties of edible mushrooms
- Spawn preparation and mushroom cultivation techniques
- Post harvest management
- Recording Value added products and marketing strategies

**Course Duration:** One month  
**Commencement of Course:** 10, January, 2022

**Course Fee**

- Rs. 150/- (Aloysians)
- Rs. 200/- (Non Aloysians)

**Eligibility:** 12th pass

**NAME:** ST. ALOYSIUS COLLEGE  
ACCOUNT

**ACC.NO.:** 5201214000008

**BRANCH:** GORAKHPUR JABALPUR

**IFSC CODE:** CNRB0005201

**MICR CODE:** 482015006

**ADDRESS:** CANARA BANK

GORAKHPUR BRANCH

J R SAMA COMPLEX 78

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MADHYA PRADESH - 482001

[Click here to register](#)



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## Department of Botany & Microbiology

### Certificate Course

2021-22

### Mushroom Cultivation

(2 Credits)

**Course Learning Outcomes:** By the conclusion of this course, the students-

**Outcome 1.** Have developed a very good understanding of nutritional aspects and commercial use of mushrooms and its products for human consumption.

**Outcome 2.** Have developed a very good understanding of cultivation of mushrooms, management of diseases affecting mushrooms, mushroom harvesting and various avenues for using it into an entrepreneurship.

#### Module I: Theory

1 Credit

Unit – 1	<b>Introduction:</b> Morphology, Identification of edible & non-edible/poisonous mushrooms. Nutritional and Medicinal value of mushroom, Scope of mushroom cultivation.	2 Hours
Unit – 2	<b>Edible Mushrooms:</b> Button mushroom ( <i>Agaricus bisporus</i> ), Milky mushroom ( <i>Calocybe indica</i> ), Oyster mushroom ( <i>Pleurotus sajor caju</i> ) and paddy straw mushroom ( <i>Volvariella volvaceae</i> ).	3 Hours
Unit – 3	<b>Principles &amp; Requisites:</b> Sterilization and disinfections of substrates, Pasteurization of different substrates, growth media, Spawn production and their maintenance.	3 Hours
Unit – 4	<b>Techniques of Cultivation:</b> Structure and construction of mushroom house, Multiplication of spawn, Composting, bed and polythene bag preparation,	4 Hours



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

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DST-FIST Supported & Star College Scheme by DBT.

	spawning - casing - cropping.	
Unit - 5	<b>Cultivation management:</b> Insect pests, fungal competitors and other important diseases, Pest management; Harvest and Post-harvest technology, Value added products and entrepreneurship.	3 Hours
<b>Total theory hours</b>		<b>15 Hour</b>

### Module II:Practical

1 Credits

1.	Preparation of mother culture	2 Hour
2.	Multiplication of spawn	3 Hour
3.	Sterilization of substrates	2 Hour
4.	Pasteurization of substrates	2 Hour
5.	Composting	2 Hour
6.	Cultivation of oyster mushroom	3 Hours
7.	Cultivation of button mushroom	3 Hours
8.	Visit to mushroom cultivation unit	5 Hours
9.	Project	8 Hours
<b>Total practical hours</b>		<b>30 Hour</b>

(a) Practical	25 marks
(b) Project	25 marks
<b>Total marks</b>	<b>100</b>

### Reference Books

1. Handbook on Mushrooms by Bahl N.
2. Benjamin Hirst Mushrooms: A Beginners Guide to Home Cultivation Paperback (20150)
3. V. N. Pathak. Mushroom Production and Processing Technology IST Edition Hardcover - 2011
4. Eiri Staff Hand Book of Mushroom Cultivation, Processing and Packaging Paperback - Import, 2007
5. R. C. Dubey and D. K. Maheshwari. Practical Microbiology, 2009. S. Chand and Com. Ltd. ISBN 81219-2153-8. 8 (4)

### Marking Scheme

MM 100

Modules	Max Marks	Minimum passing marks (50% marks)
Module I	50 marks	25
Module II	50 marks	25





**ST. ALOYSIUS' COLLEGE**

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**Certificate Course on Application of Chemistry in Everyday Life**

**Brochure**

**&**

**Course Module**



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COLLEGE WITH POTENTIAL FOR EXCELLENCE BY UGC (III CYCLE)

DST- FIST SUPPORTED  
STAR COLLEGE SCHEME BY DBT

**Online Certificate Course**  
On

### *Application of Chemistry in Everyday Life*

Organized by

### DEPARTMENT OF CHEMISTRY

One Week Course  
Starting From

Starting from 17<sup>th</sup> -25<sup>th</sup> Aug 2021

Time: 12:30 to 2:30 pm

For UG & PG Students

REGISTRATION LINK  
CLICK HERE



**Chief Patron:**

Most Rev. Gerald Almeida

**Patron:**

Rev. Dr. G. Vazhan Arasu  
PRINCIPAL

**Chairperson:**

Dr. Anjali D'souza  
(Dean, Faculty of Life- Science)

**Convener:**

Dr. Smarika Lawrance  
(Head, Department of  
Chemistry)

**Course Coordinators:**

Dr. Sutapa Roy  
Dr. Manju Gupta

For any queries contact:

[chemcertificate.course2020@gmail.com](mailto:chemcertificate.course2020@gmail.com)



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## DEPARTMENT OF CHEMISTRY

### Details of Value Added Course

---

**Course name:-** "Chemistry in Everyday Life"

**Eligibility Criterion:-** Open for all

**Duration:-** 30 hours (2 credits)

**Proposed Date:-** August 2021

**No. of Seats:-** 30

**Mark Scheme:-** Total Marks 100 (Theory 50 & Practical 50)

---

There will be **5 (five)** modules in this course which are as follows:-

**Module I: *Thin Layer Chromatography and analysis of adulterants:*** Introduction of Separation methods, basic principle and mechanism of separation in thin layer chromatography.

Reporting of results and application of TLC in the determination of adulterants present on red chilli powder, completion of reaction and in organic synthesis.

**Module II: *Complexometric analysis:*** EDTA- acidic properties, complexes with metal ions, indicators for EDTA titrations, theory of common indicators. Titration methods employing EDTA- direct, back and displacement titrations, indirect determinations.

Applications of EDTA titrations *viz.* In d Font Size of calcium in calcium supplements, magnesium and aluminium in antacids etc.

**Module III: *Water Analysis:*** Water quality parameters, Acidity, Alkalinity, Hardness, COD and DO

Water Pollution, Fluoride and lead as water pollutant and its effects.

Quantitative estimations of Lead and Fluoride in water samples using Fluoride Ion Meter and Lead ion meter.

**Module IV: *UV-VIS Spectrophotometer and colorimeter Analysis:*** Introduction, verification of Beer-Lambert's law, instrumentation and applications.

Determination of Iron in some iron tablets by using spectrophotometer and colorimeter

Estimation of Glucose in various brands of honey by using spectrophotometer and colorimeter

**Module V: *Green Chemistry:*** Definition, Twelve Principle of Green chemistry, Goal of Green Chemistry, Benefits of Green Chemistry, Green Chemistry in Day -to- Day life.

Synthesis of organic compounds by green method(Synthesis of *Dihydropyrimidinone* and Synthesis of Biodiesel), Application and Advantages.



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## **Certificate Programme on Banking, Finance & Insurance(CPBFI)**

**Brochure**

**&**

**Course Module**



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## Join a National Initiative to Unlock the Potential of Your Graduates!



### CPBFI

**CERTIFICATE PROGRAMME  
IN BANKING, FINANCE  
AND INSURANCE**

Where Potential Meets Opportunity



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## What our partner colleges and their alumni are saying...



"The programme and the efforts made by Bajaj Finserv on placements led to over 400 of our students finding jobs in good, national financial institutions."

**Mr. Sanjay Bhargava,**  
Chairman & Trustee, Shiksha Mandol, Wardha



"The various constituents of the programme like the industry relevant curriculum, HR workshop and Swaroop certainly promote holistic development of young graduates."

**Dr. G. Vazhan Arasu,**  
Principal, St. Aloysius College of Commerce, Jabalpur



"The CPBFI classes are most sought-after by our students. It has helped them enhance their placement opportunities."

**Dr. G. Sahaya Baskaran,**  
Professor of Physics and Coordinator,  
Employability Skills Centre, Andhra Loyola College, Vijayawada



"Before I joined the course I was rejected by three companies and after CPBFI, I gave two interviews and was shortlisted for both. I have had a great leap of confidence after CPBFI. Today I am a better version of myself."

**Alhna Shaik**  
Alumni of Rosary College of Commerce & Arts,  
Navelim, Goa



"CPBFI infuses professionalism in students, caters to our learning and bridges the college-industry gap. Trainers provide their best and ensure the concepts are understood by the students. This is one of the best programmes I have done."

**Vaibhav Bansode**  
Alumni of SBES College of Arts & Commerce,  
Aurangabad



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**Sanjiv Bajaj,**  
Chairman and Managing Director,  
Bajaj Finserv Limited

"We are looking for partners, such as your institute, to reach and train young graduates and prepare them for corporate roles, especially in financial services. Our certificate programme, designed by the industry, for the industry, will develop them into confident professionals. Let us join hands to unlock the potential of your students and build a talent pool for a resurgent India!"

## The CPBFI Network

Reach	2018-19	2019-20	Since inception
States	4	7	8
Towns	15	39	53
Partner colleges	27	99	152
Active centres	22	90	124
Batches	30	100	#240
Student enrolments	1,022	3,809	#10,000

Estimated up to March 2020

## The reasons to partner Bajaj Finserv





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## About CPBFI

CPBFI is a customized training programme conducted by Bajaj Finserv for graduates, especially the first-generation graduates, across India. CPBFI aims to make these graduates employable for the Banking, Financial Services and Insurance (BFSI) sector. As per industry estimates, less than 50% of the graduates passing out of the colleges are ready for corporate roles. This poses challenges for graduates aspiring for a successful career and for industry looking for skilled employees. CPBFI aims to solve this dual challenge.

CPBFI is a 100-hour training programme designed by Bajaj Finserv in collaboration with industry experts, educational institutes and a leading mental health institute. CPBFI equips participants with the right attitude, skills and industry knowledge, thereby going beyond a typical skill development programme. Successful participants can apply for different roles in banks, finance companies and insurance companies. CPBFI prepares participants for the challenging customer-facing roles in sales, service and operations which offer maximum career opportunities and excellent growth prospects.

CPBFI is conducted by a pool of trainers with extensive industry and training experience. The courses are delivered using an experiential-learning approach based on adult-learning principles. Student are able to participate in the discussions, role plays and other group activities where they can shape their own skills and knowledge. CPBFI is short, practical and affordable which makes it accessible to every student. This unique combination of content and pedagogy makes CPBFI one of the best extra-curricular programmes that a college can offer its students.



The data, from the assessments by external recruiters and outcome of the 2 CPBFI job fairs, suggests that the CPBFI students are twice as likely to get a role in a corporate, compared to their peers. Bajaj Finserv is continuously working to take this number even higher. The Bajaj Finserv team is currently working towards setting up a placement division that can support the CPBFI participants' access to top recruiters through job fairs, walk-in drives and campus placements.

By partnering with Bajaj Finserv, colleges can not only enhance the career opportunities of the students, but also attract top companies to recruit from the college. An industry partnership can benefit the college by improving its NIRF and NAAC rating and its rank in the Best College Rankings by the different agencies. CPBFI is exclusively available to students and alumni of Bajaj Finserv's partner colleges.

## How to become a Bajaj Finserv CPBFI partner

- 1 Meeting between college officials and Bajaj Finserv representative
- 2 College decides to partner with Bajaj Finserv
- 3 Inform Bajaj Finserv, submit required college data electronically
- 4 Bajaj Finserv HO team meets college officials – physically or virtually
- 5 Bajaj Finserv decides to partner with the college
- 6 Bajaj Finserv and College agree on partnership terms and draft an MoU
- 7 College mobilises the first CPBFI Batch
- 8 Bajaj Finserv and College enter into partnership by signing the MoU
- 9 All CPBFI participants appear for online Pre-CPBFI Quiz and/or Interview
- 10 Launch of CPBFI at the college at a formal launch ceremony





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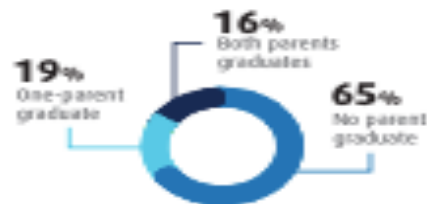
DST-FIST Supported & Star College Scheme by DBT.

## CPBFI student profile

By gender



By parent education



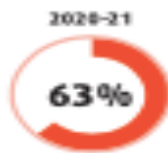
By social categories



By stream



## Employability of students



Employability is measured based on results of interviews by corporate recruiters

## Student satisfaction scores



My confidence has improved



My communication skill has improved



My industry knowledge has improved



CPBFI was the right decision for my career



Numbers indicate % of students agreeing with the statement



# ST. ALOYSIUS' COLLEGE

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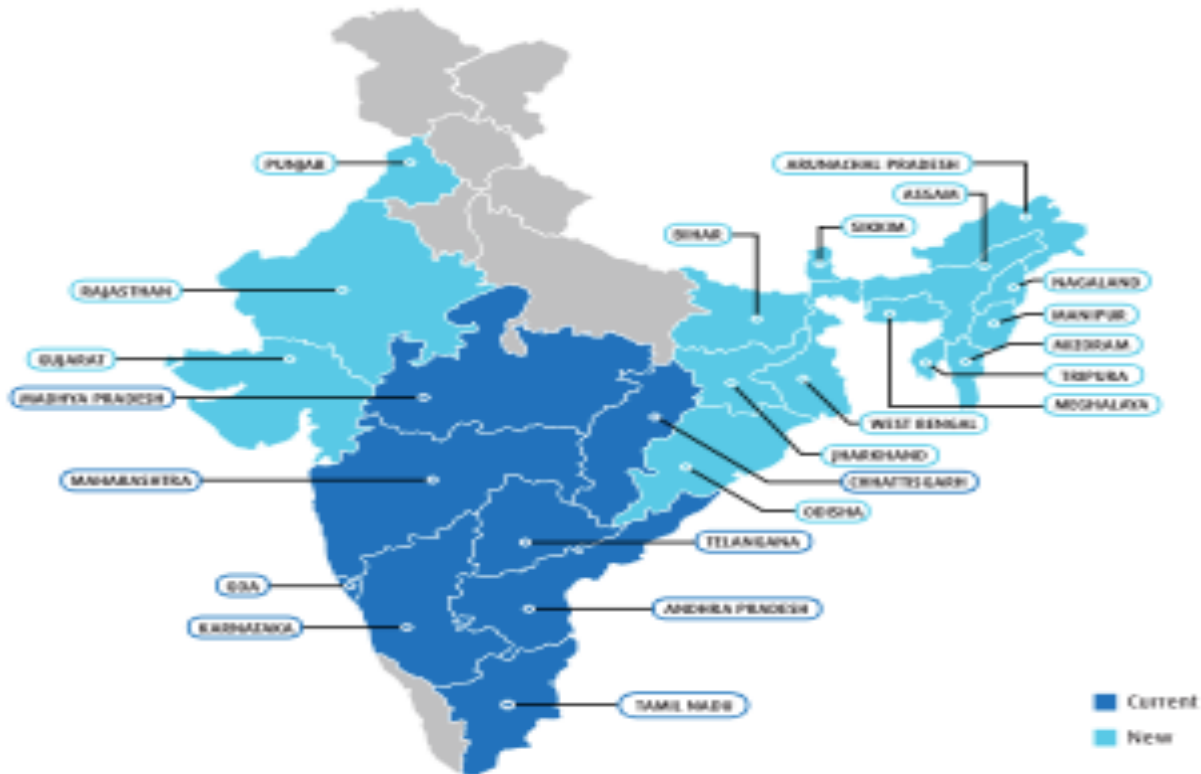
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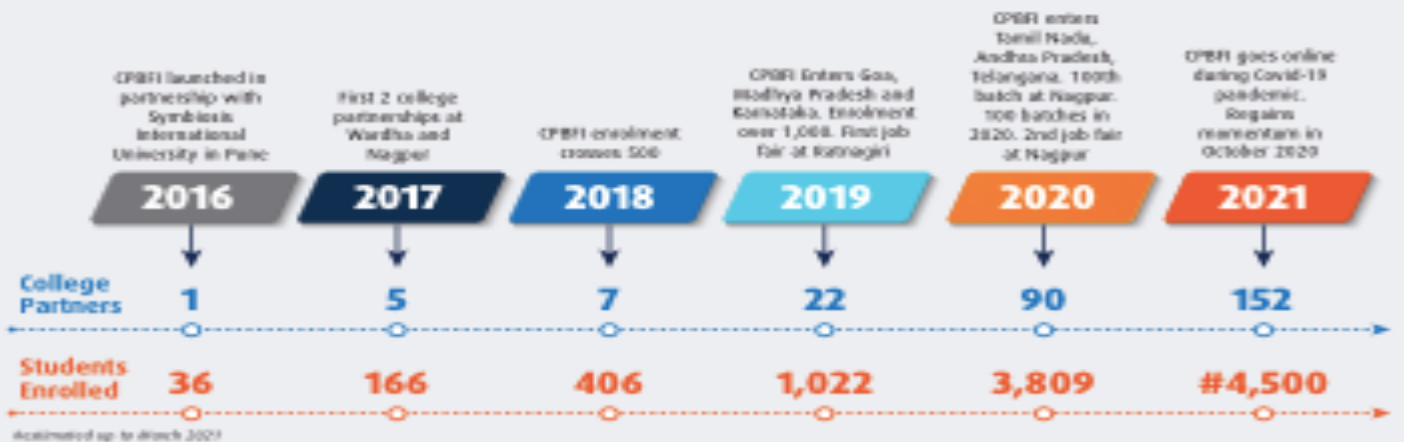
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## CERTIFICATE PROGRAMME IN BANKING, FINANCE AND INSURANCE

Where Potential Meets Opportunity



### Our journey so far...





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## CPBFI Courses and Structure

### ATTITUDE

#### Course 1: Managing Self - Swalpoop

- Swalpoop orientation
- My Self
- Self-belief - staying assertive
- Mind-body connections and Self-talk
- What are emotions
- Regulating emotions
- What is belief
- ABC Principle of RBT
- Rational and irrational beliefs
- Decision making
- Daily challenges

### SKILLS

#### Course 2: Communication and Workplace Skills

- What is communication
- Goals and barriers in communication
- Modes of communication
- Listening skills and empathy
- Non-verbal expression skills
- Summarisation skills
- Effective communication
- Use of language in communication
- Spoken communication
- Telephonic communication
- Written communication
- Giving and receiving feedback
- Saying and taking NO
- Persuasion and influencing skills
- Working in teams
- Group discussion skills
- Goals and targets at workplace
- Representing self
- Job interview techniques
- Job interview demonstration

### KNOWLEDGE

#### Course 3: Overview of Retail Banking

- Introduction to Banking
- Introduction to Branch Banking
- Customers and Their Needs
- Overview of Banking Products
- Liability Products
- Asset Products
- Third Party and Fee-based Products
- Business Development
- Transaction Processing
- Customer Service
- Compliance and Ethics
- Future of Banking
- Inclusive Banking
- Introduction to NBFCs
- Overview of Corporate Banking
- Banking and Me

### KNOWLEDGE

#### Course 4: Overview of Insurance

- Need for Insurance
- Evolution of Insurance
- Overview of an Insurance Company
- Overview of Retail Insurance Products
- Overview of the Companion Products
- Overview of Insurance Distribution Channels
- Selling Insurance
- Insurance Operations
- Customer Service
- Ethics and Compliance in Insurance
- Future of Insurance
- Inclusive Insurance
- Profitability Drivers for Insurance

Mock interviews by corporate recruiters

### Classroom Only



96 hrs over 30 days

### Online Only



96 hrs over 46 days



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## Our partners



Centre for Investment Education  
and Learning (CIEL)



WalchandPlus a Division of  
Walchand PeopleFirst Limited (WPFL)



Centum Learning Limited.



Bajaj Finserv Limited, 6th Floor, Bajaj Finserv Corporate Office,  
DIF Pune-Ahmednagar Road, Viman Nagar, Pune - 411 014, Maharashtra, India  
Tel: +91 20 30405700 - Fax: +91 20 30405792

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**Department : COMMERCE**

**Name of Certificate Course/ Diploma :**

**CERTIFICATE PROGRAMME IN BANKING, FINANCE AND INSURANCE (CPBFI)**

**Learning Outcomes (To be mentioned in bullets)**

**STUDENT ARE CAPABLE TO UNDERSTAND ABOUT BANKING , FINANCE AND INSURANCE**

**Course Module**

**MO.1 BANKING OPERATION**

**MO.2 INSURANCE MANAGEMENT**

**MO.3 ADVANCE BUSINESS COMMUNICATION**

**MO 4 : COMPUTER PROFICIENCY**

**Course Duration (Hours/ Month) 60 HOURS**

**Credits: 02**

**Course Coordinator : Dr. Rupali Ahluwaliya**

**Registration Link**

**Registration Fee : 1,000/**



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## **Certificate Programme on Management Accounting(CMA) PART I**

**Brochure**

**&**

**Course Module**



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Be future-ready!



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# B.Com with US CMA

The CMA® (Certified Management Accountant) offered by IMA, US, is a global benchmark for financial professionals. Why? Because CMA's can explain the "why" behind numbers, not just the "what". CMA can give you greater credibility, higher earning potential, and ultimately a seat at the leadership table.



## Semester 1-4

- CMA curriculum integrated in Sem 1-4
- CMA is offered by the IMA (Institute of Management Accountants), US
- Learn using official Miles CMA Learning System powered by Hock International



## Semester 5-6

- Take the 2-part CMA exam:
  - Part 1: Financial Planning, Performance and Analytics
  - Part 2: Strategic Financial Management
- Get placed with MNCs including Fortune 500 companies



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## Did you know that you can clear the 2-part CMA exam even before graduation ?

CMA's of all ages earn more than non-CMA accounting professionals. CMA's between the ages of 30-39 can earn 63% more in total compensation than their non-CMA peers. Over a lifetime, this can add up to more than \$500,000.

CMA's have greater earning power



\*IMA's 2013-2014 Salary Survey  
\*\*Thomas L. Rippey and David Michael, CPA, "The CMA Advantage: An Update"

[www.imanet.org/oma](http://www.imanet.org/oma)

## Careers @ MNCs & Fortune 500 companies

Deloitte.



KPMG



accenture



3M



FLEXTRONICS

Honeywell



Infosys®

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verizon✓

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Cognizant



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NORTHERN TRUST

and many more...

## For more info & enrollment, contact:





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## B.Com with US CMA

### Part -1. ( Course Structure)

- Financial Planning , Performance and Analytics
- Overlap with Curriculum of Management Accounting ( Plus Financial Accounting )
- 4-hour Exam ( 75% multiple choices & 25% essays)

### Content Covers

- External Financial Reporting
- Planning and Budgeting
- Performance Management
- Cost Management
- Internal Controls
- Technology and Analytics



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**Online Certificate Course on Proficiency in English**

**Brochure**

**&**

**Course Module**



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## ONLINE CERTIFICATE COURSE FOR PROFICIENCY IN ENGLISH

Organized by  
Department of English

YOU GIVE US YOUR TIME,  
WE ASSURE YOU SUCCESS!!

Date: 28th January to 31st February  
2022 Time: 6 pm to 7 pm

Duration- 30 sessions  
(Theory + Practical)



- LISTENING
- SPEAKING
- READING
- WRITING

Who can apply?  
Individuals/  
Professionals/ Students  
/Homemakers

### COURSE FEE:

- Rs. 500  
(Outside Participants)
- Rs. 350  
(Students of St. Aloysius' College)

Pay to-  
Beneficiary Name- Principal, St. Aloysius College  
Account No.- 5201214000008  
IFSC CODE- CNRB0005201  
Bank Name-Canara Bank  
Branch - Gorakhpur, Jabalpur

Payment Details Only online payments are acceptable  
(NEFT/RTGS/IMPS/UPI/Google Pay).  
Please save Transaction Details for Future reference.

*Book your seat now !!*

<https://forms.gle/c4NKw6GioS9cnJnk9>

An opportunity to be associated  
with M.P.'s No. 1 College



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*Book your seat now !!*

<https://forms.gle/c4NKw6GioS9cnJnk9>

**An opportunity to be associated  
with M.P.'s No. 1 College**

## ABOUT THIS COURSE

*Do you want to speak better English?*

- This course will help you reach that goal.
- In this 30 hours course, you will learn how to identify and make a strong personal introduction.
- This online course is structured to help you prepare and practice speaking, listening reading and writing
- It will help develop and demonstrate the speaking skills for group discussions: how to agree or disagree, how to clarify, restate and summarize
- Throughout the course, we will guide you to speak English and you will become more fluent and accurate when you communicate.
- You will demonstrate appropriate body language and tone.
- Through a combination of lectures, comprehension and vocabulary quizzes, practice and performance, you'll gain the skills and confidence to communicate well in English, anywhere in the world.
- It will not only build & boost your confidence, but also improve your pronunciation & fluency skills

**Coordinator : Dr.Mary Raymer**  
**For details contact: 8085344772**  
**(any time between 9am to 5pm )**



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## Certificate Course on Proficiency in English

Duration- 30hours

Credits: 02

### 1. Course Description

This intensive 30 hour course enables participants to acquire English language proficiency. The comprehensive and academically rigorous course puts equal weight on reading writing, listening, speaking and test taking strategies. It focuses on the four language skills of speaking, listening, reading and writing whilst supporting each skills-based lesson with activities designed to enhance vocabulary and grammar language systems.

In addition, it focuses on providing students with the skills required to address the questions and tasks accurately and efficiently. In addition to the 30 contact hours in the classroom, students do 12 hours of practice tests outside of teaching. Teaching, therefore, focuses on providing students with the language, grammar and test-taking strategies required for assessment while the practice tests allow students to put into practice the knowledge and skills acquired in class.

### 2. Course Goals

This course aims to improve all four language skills, speaking, listening, reading and writing, to enhance proficiency. In addition, the course aims to provide students with a deep understanding of the different levels of the language.

### 3. Learning Objectives

By the end of this course, students will be able to do the following:

#### Overall

- Recognize and overcome challenges faced in English Language learning

#### Reading

- Understand a variety of different academic text types
- Skim, scan and focus on target material in all types of reading passages
- Identify the elements of a text and, where required, reproduce these elements in their own writing
- Achieve a deep understanding of the questions types found in the reading and how to address them

#### Writing

- Attempt tasks, following instructions and making the best use of the time available



**ST. ALOYSIUS' COLLEGE**

**(AUTONOMOUS), JABALPUR(M.P.)**

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**Certificate course on Jansanchar**

**Brochure**

**&**

**Course Module**



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College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.



## संत अलॉयसियस स्वशासी महाविद्यालय

Reaccredited 'A+' by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & Star College Scheme by DBT

Jabalpur, Madhya Pradesh, India



### हिन्दी विभाग

प्रमाण-पत्र पाठ्यक्रम 2021-2022

## कार्यालय एवं जनसंचार कार्यविधि

#### Bank Details:

Beneficiary Name- Principal,  
St. Aloysius' College, Jabalpur  
Credit Account No.  
5201214000008  
IFSC Code: CNRB0005201  
Bank Name: Canara Bank  
Branch: Gorakhpur, Jabalpur  
Account Type: Current

प्रारंभ - 1 दिसंबर 2021  
समय - 2.00 से 3.00 बजे  
माध्यम - गूगल मीट  
पंजीयन शुल्क-300 रु.,  
महाविद्यालयी विद्यार्थी  
500 रु., अन्य विद्यार्थी  
पंजीयन लिंक -  
<https://forms.gle/MAQmJKZSRZT>  
[TBQud7](https://forms.gle/TBQud7)

मुख्याकर्षण  
प्रारूपण  
टिप्पण  
समाचार लेखन  
संपादन  
छायांकन

संपर्क : डॉ. रामेन्द्र प्रसाद ओझा, डॉ. कैरोलिन सैनी, डॉ. रीना थॉमस, डॉ. अभिलाषा शुक्ला

मोबाईल नं. : 9827751341

8319964503

9926621551

9179196111



1, Ahilya Bai Marg, Pentinaka Chowk, Sadar, Cantt, Jabalpur, Madhya Pradesh, INDIA 482001

+917612620738

[info@stalovsiuscollege.ac.in](mailto:info@stalovsiuscollege.ac.in)



# ST. ALOYSIUS' COLLEGE

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प्रमाण पत्र पाठ्यक्रम

2021-2022

कार्यालय एवं जनसंचार कार्यविधि

1. कार्यालय कार्यविधि

- प्रारूपण
- टिप्पण
- बैठकें
- पारिभाषिक शब्दावली

2. मुद्रित समाचार माध्यम

- समाचार लेखन
- संपादन
- प्रूफ रीडिंग
- ले आउट

3. इलेक्ट्रॉनिक समाचार माध्यम

- समाचार लेखन
- समाचार वाचन
- संचालन
- संपादन

4. विज्ञापन

- विज्ञापन की अवधारणा एवं विविध माध्यम
- कॉपी राइटिंग (प्रतिलिपि लेखन)
- स्वर एवं अभिनय
- संपादन एवं निर्देशन

5. छायांकन

- छायांकन – मुद्रित समाचार माध्यम
- छायांकन (वीडियो ग्राफी) – इलेक्ट्रॉनिक समाचार माध्यम
- छायांकन – विज्ञापन

प्रायोगिक

- समाचार लेखन, शीर्षक संरचना एवं संपादन कला
- समाचार प्रस्तुति, वार्ता संचालन
- विज्ञापन संरचना
- ले आउट संरचना एवं छायांकन





# ST. ALOYSIUS' COLLEGE

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College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## पाठ्यक्रम योजना

1 पाठ्यक्रम 30 घंटे (2 क्रेडिट) का होगा।

2 15 सैध्वांतिक कक्षाएँ (1 घंटा प्रति कक्षा) एवं 15 प्रायोगिक कक्षा (2 घंटे प्रति कक्षा) आयोजित की जाएगी।



**ST. ALOYSIUS' COLLEGE**

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College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**Certificate Course/ Diploma- Indian History Chronology from ancient India to  
medieval India**

**Brochure**

**&**

**Course Module**



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## ST.ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR (M.P.)

Reaccredited "A+" Grade by NAAC

(CGPA3.68/4.00)

College with Potential for Excellence by UGC(III  
Cycle)

DST-FIST Supported

Star college Scheme by DBT

ONLINE CERTIFICATE COURSE

ON

INDIAN HISTORY CHRONOLOGY

FROM ANCIENT INDIA TO MEDEIVAL INDIA

Organized by : DEPARTMENT OF HISTORY

SESSION : 2021-22

REGISTRATION  
OPEN

FOR:

- Humanities students, IAS aspirants
- Anyone interested in learning.

COURSE FEES: Rs 500/-

Beneficiary Name: Principal, St. Aloysius  
College, Jabalpur

Credit A/C No. : 5201214000008

IFSC CODE: CNRB0005201

BANK NAME: Canara Bank Branch: Gorakhpur

Jabalpur A/C type Current

PATRON:

Rev. Dr. G. Vazhan Arasu

COORDINATOR:

Dr. Manju Maria Solomon

Head, Department Of History

For Queries

Contact: [hia.sac@gmail.com](mailto:hia.sac@gmail.com)

Dr. Manju Maria Solomon 9826751607

REGISTRATION LINK

<https://forms.gle/fk8nUH3Q6R35rNwH6>



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Syllabus 2021-2022| ONLINE CERTIFICATE COURSE Indian History Chronology

(From Ancient India to Medieval India)

Department of History

St. Aloysius' College Autonomous Jabalpur

Reaccredited 'A+' By NAAC (CGPA 3.68/4.00)

College With Potential For Excellence By UGC DST-FIST Supported & Star College  
Scheme By DBT



### Duration – 30 Hours and 02 Credits

- For: Humanities students, IAS aspirants ,
- Any one interested in learning.

### The certificate course in Indian History Chronology

This course is fully based on Indian history and it will gives students lots of knowledge about Indian history. After taking this course students can take advance history lessons to enhance their history knowledge to next level . Without the knowledge of history we cannot have the background of our religion, customs institutions, administration and so on. Our present conditions are thus the result of the past problems. History aims at helping students to understand the present existing social, political, religious and economic conditions of the people.

Preparing history for UPSC civil services prelims exam can be relatively challenging for UPSC aspirants from a science academic background. But it is easy to get familiar with history and culture once aspirants understand the ability of selective study Certificate Course in Indian History Chronology enables candidates to gain a deeper insight into their studies,

In this course, you can also find the names of the rulers of India in chronological order.



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- This also gives an idea about how historians research, frame an argument and debate details that have significance to understand the past and the present.
  - The expected outcome is to provide students with a sense of how interconnected our present is with the past and how learning about the past provides them with the skills to understand the present.
  - The idea is to equip the student so that their ability to think and analyze is enhanced also, they develop good research oriented perspective.
- The course can facilitate the progression in the field of archeology.

- The course provides ample knowledge to move towards establishing a career in the field of Museology and historical tourist guide.

## Career Options and Job Prospects

A variety of opportunities for history students are available in museums, local government offices, heritage agencies etc. However, it completely depends on the skill set you are able to gather while pursuing studies, and how much of it you are able to apply in practice. Jobs are plenty, but the current workforce is not plenty to cater to the needs of the field.

After the successful completion of the program, candidates are capable to take up jobs in the areas of. Following are some popular jobs in this field:

- History Teacher
- Professor of History
- Research Fellow
- Curriculum Design Consultant
- Subject Matter Expert

## Course Outcomes

On completion of the course, students will be able to :

- Perceive various sources to study of Ancient India.
- Know about the development and the achievements of man in the Stone Age.
- Understand physical and geographical structure of India
- Identify Palaeolithic and Neolithic settlements
- Understand the glory of Indian history in the age of Harappan civilization.
- Know about the Mauryan and Gupta Empire

## Syllabus

### Module I : Ancient Indian History -Part- 1

1. Pre-Historic Age
2. Indus Valley Civilization



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3 Bhuddhism

4 Janism

## Module II: Ancient Indian History -Part – II

1. Mauryan Empire
2. Chandra Gupta Maurya
3. Bindusaar
4. Ashoka

## Module III: Post Mauryan Period

- 1 Gupta Empire –Chandra Gupta – I
- 2 Samudra Gupta and Chandra Gupta II

## Module IV: Sultate Period

1. Qutub –din-Aibak
2. Iltutmish and Raziya Sultan
3. Balban
4. Khilgi Dynasty

## Module V : Tuglaq Dynasty

1. Gyasudin Tuglaq, Mohmmad –bin-Tuglaq and Firoz shah Tuglaq

## Module VI: Mughal Empire

- 1-Babur ,-Humayun -Akbar
- 2-Jahangir ,Sahanjahan
- 3-Chatrapati Shivaji and Aurangich



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DST-FIST Supported & Star College Scheme by DBT.

## Department - History

### Name of Certificate Course/ Diploma- Indian History Chronology

### Learning Outcomes (To be mentioned in bullets)

#### On completion of the course students will be able to -

- Distinguish various sources of Ancient, sultanate and Mughal Indian History
- Understand the development and achievements of man in the Stone Age
- Know about the initial Arab invasion and its impacts.
- Examine institutional basis of Ancient and Mughal period
- Know the position of trade and Economy during Sultanate and Mughal period

### Course Module -

**Module 1-**Ancient Indian History, Part-I and Part-II

**Module 2-**Sultanate Period (Mamuluk Dynasty)

**Module -3-**Khilji Dynasty, Tughlaq Dynasty

**Module -4-**Mughal Dynasty

**Course Duration (Hours/ Month) 30 Hours**

**Credits: -02**

**Course Coordinator -Dr. Manju Maria Solomon**

**Registration Link**

**Registration Fee – 500/**



**ST. ALOYSIUS' COLLEGE**

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Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**Certificate Course on Innovative Zoological Practices (Advance )**

**Brochure**

**&**

**Course Module**





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(AUTONOMOUS), JABALPUR(M.P.)

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College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.



**ST. ALOYSIUS' COLLEGE (AUTONOMOUS) JABALPUR  
(MADHYA PRADESH), INDIA**

**REACCREDITED 'A+' BY NAAC (CGPA 3.68/4.00)  
COLLEGE WITH POTENTIAL FOR EXCELLENCE BY UGC  
DST-FIST SUPPORTED & STAR COLLEGE SCHEME BY DBT**



**Session 2021-22**

**Certificate Course**

**“Innovative Zoological Practices Advance”  
Department of Zoology**

**Starting from**

**17th Jan to 17th Feb 2022**

**Credits - 2    Duration - 30 Hours**

## **Eligibility:**

- All UG (Biosciences Students)

**Registration Fee – 300/-**



**Registration link: -.**

**<https://forms.gle/ydwqceztotURJoP58>**

**Beneficiary Name: Principal  
St. Aloysius College, Jabalpur  
Credit Account No.:**

**5201214000008**

**IFSC Code: CNRB0005201**

**Bank Name: Canara Bank**

**Branch : Gorakhpur Jabalpur**

**A/C Type: Current**

**For any query contact or mail us: -**

**Dr. Priyanka Sinha - 9685620011**

**Dr. Runa Paul– 9893415069**

**[zoo.sac@gmail.com](mailto:zoo.sac@gmail.com)**

**For more details, please visit college website: [staloyuscollege.ac.in](http://staloyuscollege.ac.in)**



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

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College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**Departments of Zoology**  
**Certificate Course on "Innovative Zoological Practices**  
**(Session 2020 – 2021)**

**Module - I**  
**Paper -I Advanced Zoology**

**01 Credit [15 Hours]**

**Total hours - 05**

**MM : 25**

**Unit. I**

1. Elementary knowledge of Biocomputer, Blast and Fasta.
2. DNA Bar-Coding for Mammalian Taxonomic Identification and Cryptic Species discovery.
3. Molecular Genetics Techniques for identification of Pests and Insect Vectors.
4. Phase contrast microscope and its application
5. Thin Layer Chromatography and its application.

**Unit II**

1. Study of Soniferous fishes using acoustic techniques
2. Xenotransplantation.
3. Species translocation.
4. IVF and study of Animal Semen.

**Unit. III**

1. Gene Bank and Germplasm Conservation
2. Study nest and eggs of birds wsr its conservation
3. Gender discrimination of tigers (*Panthera tigris*) using pugmarks
4. Tools & Techniques for Animal Rescue Unit.

**Unit IV**

1. Role of genetic engineering in Zoology.
2. Tools and techniques war Q-PCR thermocyclers, HPLC, GC-MS and FTIR spectrometers
3. Gel electrophoresis/SDS-PAGE
4. Toll like receptors and Drug designing

**Unit. V**

1. Ocular micrometry and its significance
2. Camera Lucida and its application
3. Basic Muscum keeping techniques wsr Dry and Wet Preservation of Zoological Specimens.
4. Molecular identification of genetic diversity of Global livestock breeds



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## PRACTICAL-I COURSE WORK

Total hours -9 hrs

1. Gel electrophoresis / SDS- PAGE
2. TLC analysis of Components of Biological Samples
3. Hands on Training in Dry preservation of insect specimen.
4. Determination of calcium carbonate in egg shells
5. Hands on training of Alignment of DNA sequence by Clustal W method for mutation analysis using Mega 6 Software.
6. Sperm count and Sperm Motility.
7. Drawing through Camera lucida.
8. Ocular micrometry
9. Preparation of permanent dry mount of fish skeleton
10. Identification of Pugmarks of different animals
11. Study of Principle and working of PCR

Course end examination

Total hour - 01



**ST. ALOYSIUS' COLLEGE**

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**Certificate course on Human Rights**

**Brochure**

**&**

**Course Module**



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DST-FIST Supported & Star College Scheme by DBT.

## **ST. ALOYSIUS COLLEGE (AUTONOMOUS)**

*Reaccredited 'A+' by NAAC (CGPA 3.68/4.00) College with  
Potential for Excellence by UGC DST-FIST Supported &  
Star College Scheme by DBT Jabalpur, Madhya Pradesh,  
India*

**Department of Political Science**

### **CERTIFICATE COURSE IN HUMAN RIGHTS**

**Course Fee: 400/-**

**Bank Details:**

**Beneficiary Name: Principal,**

**St. Aloysius College Autonomous Jabalpur**

**Credit Account No. : 5201214000008**

**IFSC Code: CNRB0005201**

**Bank Name: Canara Bank**

**Branch: Gorakhpur, Jabalpur**

**Account Type: Current**



**Date of Commencement : 26<sup>th</sup> September 2021**

**Eligibility: Minimum 10+2**

**Timing: 1:30-2:00 PM**

**For Queries Contact: 889436653, 9424086040**

**Email: poli.sac@gmail.com**



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

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College with Potential for Excellence (CPE) by UGC

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## Department: Political Science

**Name of Certificate Course/ Diploma:** Certificate course in Human Rights

### Learning Outcomes (To be mentioned in bullets):

The students are expected to acquire the knowledge of the following:

- Students will be able to demonstrate a basic understanding of the concepts encompassed by the term 'human rights' and underlying principles of freedom, equality, fairness and justice.
- Students will demonstrate a good understanding of the provisions under the constitution of India dealing with Human Rights.
- Students will display a good understanding of the nature and scope of special legislations dealing with protection of human rights of marginalized and vulnerable sections.
- Students will demonstrate a good understanding of the practical application of human rights law to specific human rights problems in India.

### Course Module:

Module I : Concept of Human Rights and Duties

Module II: United Nations and Human Rights

Module III: Human Rights in India: Constitutional Framework

Module IV: Protection of Human Rights

Module V : Human Rights of Special Category and Marginal Groups

**Course Duration (Hours/ Month):** 30 Hours

**Credits:** 02

**Course Coordinator:** Dr. Tuhina Johri

**Registration Link:** <https://forms.gle/jh8mjNa49JSAiHok9>

**Registration Fee:** Rs. 500/- only



**ST. ALOYSIUS' COLLEGE**

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DST-FIST Supported & Star College Scheme by DBT.

**Certificate course on Basics of MATLAB**

**Brochure**

**&**

**Course Module**



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DST-FIST Supported & Star College Scheme by DBT.



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## Department of Mathematics

## Certificate course "Basics of MATLAB"

### Learning Outcomes

The students are expected to acquire the knowledge of the following:

1. Creating executing and saving script file in MATLAB.
2. Creating vectors and Matrix manipulation.
3. Arithmetic operations Relational operations Logical operations.
4. Determinant of Matrix.
5. Two and three dimensional plotting.

Date of  
implementation

18/10/2021

Time: 1:30 PM

Registration Fee

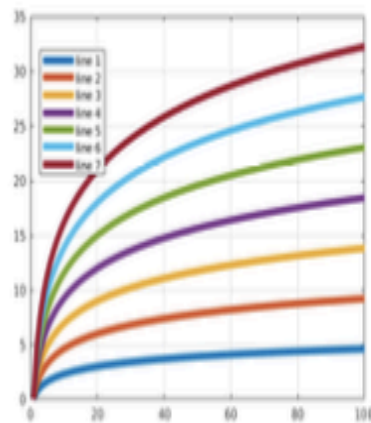
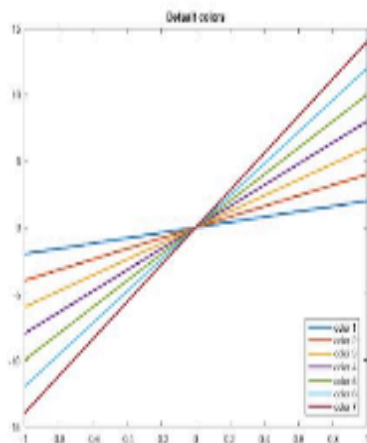
500

For registration  
Click Here

For more details

Contact : 9144775026

8982891621







# ST. ALOYSIUS' COLLEGE

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ST. ALOYSIUS (AUTO) COLLEGE, JABALPUR

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE

BASICS OF MATLAB

Paper	Title	Maximum Marks	Minimum Marks
I	Basics of MATLAB-Theory	50	20
II	Basics of MATLAB-Practical	50	20

Note: Total duration of the course is 30 contact hours.

*Handwritten signatures and dates:*  
Vandya 27.7.19  
A.S. 27.07.19  
Pantabha  
Sjai  
A.S. 27/7  
A.S. 27/7  
A.S. 27/7  
A.S. 27/7  
A.S. 27/7  
A.S. 27/7



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DST-FIST Supported & Star College Scheme by DBT.

ST. ALOYSIUS COLLEGE (AUTO), JABALPUR  
DEPARTMENT OF MATHEMATICS  
CERTIFICATE COURSE  
BASICS OF MATLAB-THEORY

Maximum Marks: 50

Time: 2 hours

Minimum Marks: 20

**MODULE I-** Input output of data from Matlab command. File types. Creating, saving and executing the script file. Creating and executing functions file.

**MODULE II-** Working with files and directories. Matrix manipulation. Creating vectors. Arithmetic operations. Relational operations. Logical operations. Matrix functions. Determinant of Matrix.

**MODULE III -**Graphics: Two and three dimensional plot.

**REFERENCE BOOKS:-**

1. RudraPratap, Getting Started with MATAB: A Quick Introduction for Scientists and Engineers. Oxford University Press.
2. Stormy Attaway, MATLAB: A Practical Approach, Butterworth-Heinemann Publications, USA.

Manday  
27.7.19

Poojisha  
Spain

VAISUD  
Anshu

Sudhanshu  
27/7  
27/7

AD  
27/7  
ME



**ST. ALOYSIUS' COLLEGE**

**(AUTONOMOUS), JABALPUR(M.P.)**

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DST-FIST Supported & Star College Scheme by DBT.

**RHCSA RedHat Certified System Administrator**

**Brochure**

**&**

**Course Module**



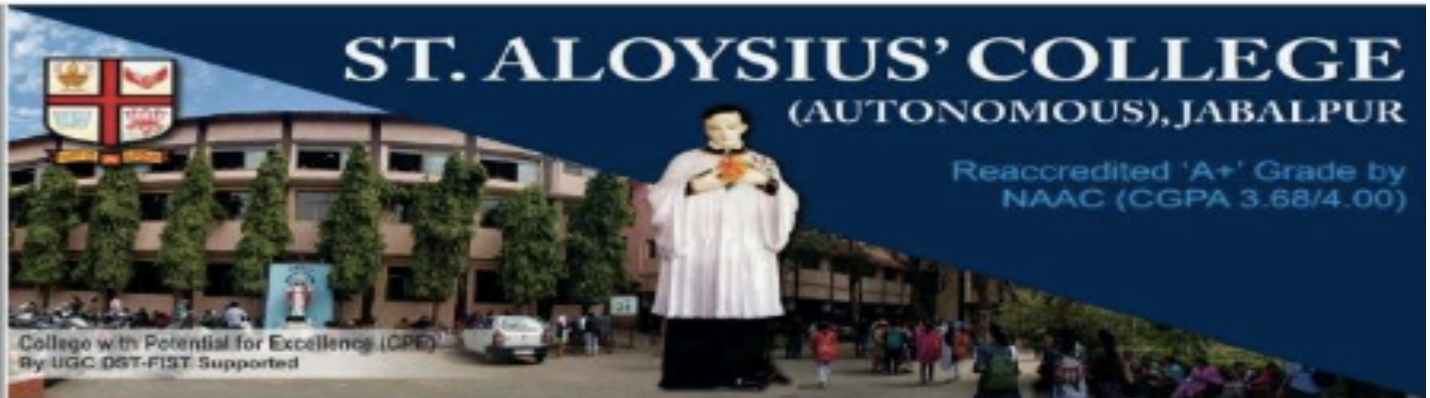
# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.



## Red Hat

### ONLINE CERTIFICATE COURSE

ON

### RHCSA

## REDHAT CERTIFIED SYSTEM ADMINISTRATOR

Ready

Business Partner  
Training



**Duration** 60 Hours



**Teaching Mode** Online



**Fees** Rs. ~~15000/-~~ 1500/- Only



**Contact** Mrs. Shradha Soni  
9302175765  
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**Register @** <https://forms.gle/pQ5Bgk5fcab9Vp9t5>

**Hurry Up!**

Starting From:

~~30<sup>th</sup> December 2020~~

4<sup>th</sup> Jan 2022



#### PAYMENT DETAILS

**Beneficiary Name:** Principal, St. Aloysius' College, Jabalpur

**Credit Account Number:** 5201214000008

**IFSC Code:** CNRB0005201

**Bank Name:** Canara Bank

**Branch Name:** Gorakhpur, Jabalpur

**Account Type:** Current



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Red Hat Certified System Administration

### Course Outcome-

By the course, Students will be introduced with -

Skills needed for basic administration and configuration of Red Hat Enterprise Linux.

Command line concepts and enterprise-level tools, laying the foundation for the rapid deployment of Red Hat Enterprise Linux.

Basic administration skills needed for resolving configuration issues and integrating Red Hat Enterprise Linux systems with other existing environments.

more advanced administrative topics, such as storage management using LVM, SELinux management, and automated installation.

Enterprise Linux administration, including file systems and partitioning, logical volumes, SELinux, firewall configuration, and troubleshooting.

### Topics

Introduction to the command line

Managing physical storage

Install and configure software components and services

Establish network connections and control firewall restrictions

Monitor and manage running processes

Manage and secure files and file systems

Administer users and groups

Review the system log files and journal for issues

Troubleshoot problems and analyze systems with Red Hat Insights

Remotely manage systems with SSH and the Web Console

Install Red Hat Enterprise Linux using scalable methods

Access security files, file systems, and networks

Execute shell scripting and automation techniques

Manage storage devices, logical volumes, and file systems

Manage security and system access

Control the boot process and system services