



COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA
A constituent unit of Patliputra University, Patna

स्थापित 1949
NAAC Re-Accredited
With Grade - A | CGPA of 3.10/4

Course Completion Certificates



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Fundamentals of Environmental Economics

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department Smart Lecture Hall and Skill Development Centre Lecture Hall

Academic Year: - 2022-2023 (Total Batches Conducted: 3)

Batch 1: 4th July 2022 to 30th September 2022

Batch 2: 1st October 2022 to 28th December 2022

Batch 3: 3rd March 2023 to 31st May 2023

Total Duration: 36 Hours

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2 / Batch 3		9-10 AM (Offline)			9-10 AM (Offline)		11:15 AM-12:15 PM (Online)

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	112
Batch 2	120	106
Batch 3	120	107
Total	325	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.

Bloj

Course Co-Ordinator

[Signature]

Principal

Principal
College of Commerce, Arts & Science, Patna

Cert. No. B/001

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



THIS IS TO CERTIFY THAT

Abhay Kumar

of

Dept. of Economics

College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in “**Fundamentals of Environmental Economics**” of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during

the period 04.07.22 to 30.09.22

BK

Dr. Baikunth Roy
Course Co-Ordinator

IP

Principal
College of Commerce, Arts & Science, Patna
Prof. (Dr.) Indrajit Prasad Roy
Principal



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Applied Financial Literacy & Banking

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department, Smart Lecture Hall and Skill Development Centre, Smart Classroom

Academic Year: - 2022-2023 (Total Batches Conducted: 3)

Batch 1: 2nd July 2022 to 29th September 2022

Batch 2: 17th October 2022 to 15th January 2023

Batch 3: 1st March 2023 to 28th May 2023

Total Week: - 12 Weeks (36 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2 / Batch 3	9-10 AM (Offline)		9-10 AM (Offline)				10-11 AM (Online)

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	104
Batch 2	120	107
Batch 3	120	113
Total	324	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.

Course Co-Ordinator

Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

Cert. No. B1/001



COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

THIS IS TO CERTIFY THAT

Rahul Kumar

of

Dept. of Hindi, College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in “Applied Financial Literacy & Banking” of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during the period 02-07-2022 to 29-09-2022

B Roy

Dr. Baikunth Roy
Course Co-Ordinator

[Signature]

Principal
College of Commerce, Arts & Science, Patna
Prof. (Dr.) Indrajit Prasad Roy
Principal

College of Commerce, Arts & Science, Patna

Patliputra University

Course Completion Report

on

“STRESS MANAGEMENT”

The Internal Quality Assessment Cell (IQAC) organized certificate course in “**STRESS MANAGEMENT**” from **18 July, 2022 to 05 August, 2022** for the students of the college. It was a 30- hour course (2 hour each session, five times a week). Classes were conducted from 04.00 PM to 06.00 PM in Hybrid mode (online: on Google Meet & offline: in the college premises). This course exposed the students to a holistic approach regarding stress management. The course targeted to the young participants aiming to provide a vision for managing optimal performance, Work-Life balance, better physical and mental health, better relationship with family and friends and promoting self- care through lifestyle changes.

In future as well the students will have many benefits associated with completing a certificate course in stress management, such as, enhanced well-being and satisfaction, improved stress identification and assistance for team leaders, enhanced working environment, workplace happiness, and workforce contentment.

In this course total 120 students participated from different departments of the college. Dr. Ashish Dubey, Assistant Professor (Psychology), M.M. College, Bikram was the Resource Person. After the completion of the course, theory examination was held on **12, August, 2022**. Those who had secured minimum 80% attendance were eligible for appearing in the examination. Out of 120 students 114 students successfully completed the course.

Course Coordinator

Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

College of Commerce, Arts & Science, Patna
Patliputra University

Course Completion Report

on

“STRESS MANAGEMENT”

The Internal Quality Assessment Cell (IQAC) organized certificate course in “**STRESS MANAGEMENT**” from **10 October, 2022 to 28 October, 2022** for the students of the college. It was a 30- hour course (2 hour each session, five times a week). Classes were conducted from 04.00 PM to 06.00 PM in Hybrid mode (online: on Google Meet & offline: in the college premises). This course exposed the students to a holistic approach regarding stress management. The course targeted to the young participants aiming to provide a vision for managing optimal performance, Work-Life balance, better physical and mental health, better relationship with family and friends and promoting self- care through lifestyle changes.

In future as well the students will have many benefits associated with completing a certificate course in stress management, such as, enhanced well-being and satisfaction, improved stress identification and assistance for team leaders, enhanced working environment, workplace happiness, and workforce contentment.

In this course total 120 students participated from different departments of the college. Dr. Ashish Dubey, Assistant Professor (Psychology), M.M. College, Bikram was the Resource Person. After the completion of the course, theory examination was held on **05, November, 2022**. Those who had secured minimum 80% attendance were eligible for appearing in the examination. Out of 120 students 118 students successfully completed the course.



Course Coordinator



Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



THIS IS TO CERTIFY
ASHISH KUMAR

Of

Dept. of PSYCHOLOGY, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “**Stress Management**” of 30 hours duration
conducted by College of Commerce, Arts and Science, Patna for the
period 18.07.2022 to 05.08.2022

Dr. Ravi Ranjan
Course Co-Ordinator

Prof. Tapan Shandilya
Principal

Course Completion Report

on

Application of Geographical Information System (Session-2022-23)

First Batch-

20th February to 5th March, 2023

Second Batch-

6th to 21st May, 2023

Time: 04:00 to 06:30 P.M



College of Commerce, Arts & Science, Patna
Bihar-20

Table of Contents

Sl.no.	Contents
1	Course Background
2	Participants
3	Outcome of the Course
4	Course Outline
5	Training Approach
6	Certification
7	Overall Assessment about the Training
8	Feedback from the students
9	Suggestion for Improvement in the Future
10	Way Forward

Annexure:

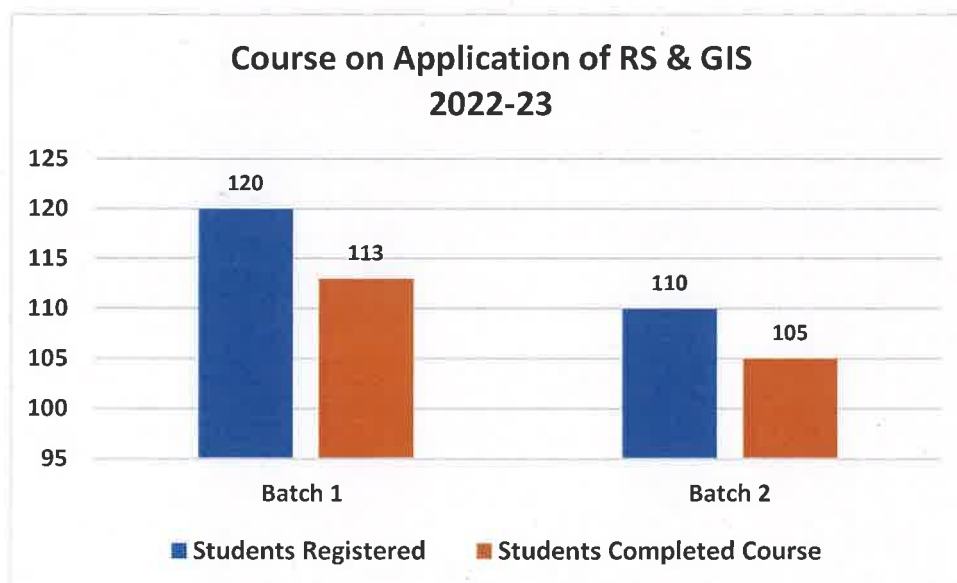
Annex 1: Agenda of the Training

1. Course Background:

This course is designed to provide a basic understanding of how Geographic Information Systems (GIS) and satellite imagery can be used to visualize and analyze spatial data. Students will learn basic techniques for analysing, manipulating, and creating geospatial data in both pixel-based (e.g., satellite imagery and digital terrain models) and vector-based (e.g., point, line, and polygon representations of spatial data) formats. Students will also learn how to acquire high-resolution satellite imagery and other GIS data from online data servers. Particular attention is paid to developing the analysis skills through the use of remote sensing techniques and Geographic Information Systems (GIS). GIS are increasingly being used in many disciplines, including geography, wildlife conservation, animal behaviour and environmental sciences to help solve a wide range of "real world" problems. As the current trend in these disciplines moves towards the acquisition, manipulation and analysis of large datasets with explicit geographic reference. This seven days' course module is designed for students with no prior knowledge and will offer essential and practical understanding and linkages of Remote sensing and GIS concepts, tools and real applications.

2. Participants:

This course is designed for the participants those pursuing Post Graduate in Geography and further want to apply GIS in their research work. In the Academic Session 2022-23 we have conducted 2 batches of this course on Application of Remote and Geographic Information System. Total approximately 120 students registered in each batch for this course. The detail of the student's registration and students who completed the course are presented with help of diagram given below.



3. Objective of the Course:

- i) Introduce basic concepts of Remote Sensing and GIS
- ii) Provide exposure to basic tools and techniques in GIS software
- iii) Introduce applications of GIS in relevant areas

4. Outcome of the Course

By the end of this course, participants learn how to:

- Acquire, clean, and map GIS data
- Work with both vector and raster data
- Complete an entire GIS project on acquiring, processing, analyzing, and visualizing GIS data.
- Work with attributes and shapefiles in map making
- Geocode addresses to longitude and latitude coordinates
- Perform joins, clipping, normalization, and many more core GIS operations
- Work with vector and raster data
- Perform spatial analysis to better understand your data
- Create and share online maps using web GIS platforms

This training on Application of GIS helped the participant for Mapping and Spatial Data Analysis.

5. Course Outline: (35 hours Course Module) (Time: 04:00 to 06:30 P.M.)

Introduction to RS & GIS concepts

- Principles of RS & GIS
- Components of GIS Systems
- GIS Capabilities and Functions
- Spatial Data Infrastructure

Introduction to GIS data

- Vector geometries
- Vector information
- Raster basics

- Data attribute table
- Metadata

Spatial Reference Systems

- Map projections
- Coordinate system
- GPS system

GIS data acquisition

- Extracting data from Satellite images
- Remote sensing data
- Extracting data from online GIS data sources
- Obtaining Data from topographic sheets
- Downloading Data from open street maps

Map making using QGIS software

- Map Components
- Working with shapefiles and attribute data in QGIS

Loading GIS Data into QGIS

- Vector and raster data layer
- Working with attributes
- Importing spread sheets or CSVs
- Adding a base map
- Geocoding addresses

Key Options of Geospatial Data Representations

- Data and layout view
- Layer order and transparency
- Symbology and label
- Annotations

Styling geographical features

- Basic vector styling
- Basic raster styling
- Raster mosaicing and clipping

Producing final map

Spatial Analysis

Point pattern analysis

- Heatmap in QGIS
- Graduated point map
- Density maps
- Offset point location

Buffer analysis

Join analysis

- Spatial join
- Table joins
- Spatial query

6. Training Approach

This training on GIS Mapping and Spatial Data Analysis course is delivered by our trainer **Dr. Surojit Dutta**, Lecturer, Dr. Shyama Prasad Mukherjee University, Ranchi, who have vast experience as expert professionals. The course is taught through a mix of practical activities, theory, group works and case studies. Training manuals and additional reference materials are provided to the participants.

7. Certification

Upon successful completion of this course, participants will be issued with a certificate.

8. Overall Assessment about the course:

The assessment of the training course was based on the survey being conducted through a evaluation session at the end of the training program to measure whether the training objectives have been achieved, participant's expectation is met and whether the training course is relevant to the participants towards successful creation of maps with the help of GIS and can further used in research. The evaluation suggest that the training was conducted in line with the course outline and meets the participants expectations. They have also felt that the training meets the overall objectives.

9. Feedback from the Participants on the Training

- i) The training was very effective for the students as they learn the various tools used in GIS.
- ii) Training was very detailed and technically useful.
- iii) Session was explained in simple language which make the participants to understand the subject easily.

- iv) Participants felt that this training on the application of GIS will help them further extracting data and use for research purpose.
- v) Participants were confident in generating maps, using shapefiles and attribute data in QGIS.
- vi) Participants were able to understand and use raster and vector data.
- vii) Perform spatial analysis with the data.

10. Suggestion in the improvement in the future

- i) The training was very well organized, and it should continue in the same way when the next training is conducted.
- ii) As the training was in online mode it would better if could have happen in offline mode.
- iii) Number of training days need to be increased.

11. Way Forward

Based on the suggestions from the participants, the course content for the next advanced training will be designed to meet their expectations and where necessary, additional information would be included.

Few Glimpses of the GIS Classes



Vidya Yadav

(Dr. Vidya Yadav)
Course Coordinator
Department of Geography
College of Commerce, Arts & Science
Patna-20, Bihar

Indrajit Prasad Roy

(Prof. Indrajit Prasad Roy) Principal
College of Commerce, Arts & Science
Patna-20, Bihar

Annexure:**Annex 1: Agenda of the Training**

Units	Topics
Units 1	1. An Introduction to GIS 2. How to install QGIS and its Plugins 3. Components of GIS system 4. GIS capabilities and function 5. Spatial data Infrastructure Vector Geometrics, Vector Information, Raster Basics, Data attribute table
Units 2	Introduction to Map making Geo- referencing of the given Map in QGIS, Geo-referencing (image to image) Raster to vector advance vector creation Basic concept of coordinate system, projection, GPS System (Practical practice session)
Units 3	Sources of data input; Generation of Geo-data bases; Data base management system; Spatial topology Data attachment Use of excel sheet and CSV file join fields & Create Thematic maps-I Pie diagram, Histogram Dot Distribution Map Graduated Symbol Map
Units 4	Spatial Analysis: Understanding where things are or where events occur., Measuring sizes, shapes, and distributions of things or measurements., Analysing relationships and interactions between places., Optimizing locations for facilities, or routes for transportation Integration of raster and vector data, Spatial join, Table join, Spatial query Practical practice session
Units 5	Join fields & Create Thematic maps-II Choropleth Map Density mapping Query building in QGIS
Units 6	Visual Image Interpretation Image Processing in QGIS DEMs and their application (Hands-on)
Units 7	Practice on shapefiles and attribute table Hands on Practice Validatory session
Resource Person: Dr. Surojit Dutta, Lecturer, Dr. Shyama Prasad Mukherjee University, Ranchi, Jharkhand.	

Cert. No. B1/001

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



THIS IS TO CERTIFY THAT

Smeha Kumari

Of

Dept. of Geography

College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “*Application of Geographical Information Systems*” of 35 hours duration conducted by the Department of Geography, COCAS during the period ...20/07/2023.....to...08/09/2023

Vidya Yadav

Dr. Vidya Yadav
Course Co-Ordinator

Indrajit Prasad Roy

Principal
College of Commerce, Arts & Science
Patna-800020

Prof. (Dr.) Indrajit Prasad Roy
Principal

Session-2022-2023

Course Completion Report on Research Methodology

First Batch 15th to 29th November, 2022
Second Batch 15th to 29th May, 2023

Time: 4:00 to 06:00 P.M.

College of Commerce, Arts & Science
Patna-20

1. **Course Background:**

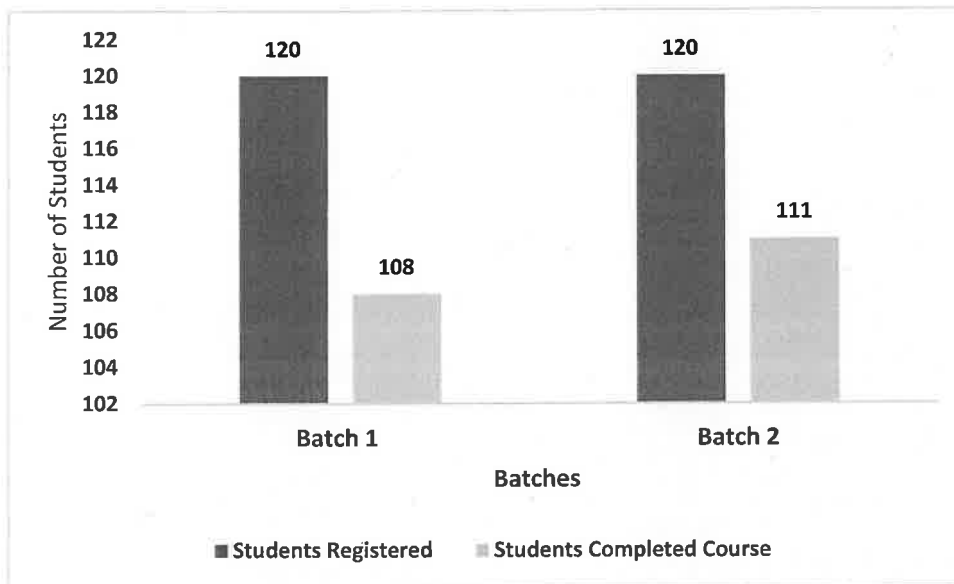
This course designed to be practical. The theoretical knowledge that constitutes research methodology is therefore organised around the operational steps that form this research process for both Quantitative and Qualitative research. The key concepts of **Research Methodology** such as *Research Problem, Research Design, Sampling Techniques, Research Proposal, Data Collection, Data Analysis, and Research Report*. This course aims to explain the concepts within shortest time possible whilst keeping it really SIMPLE.

2. **Objective of the Course:**

- Understand the basic concepts of research and its methodologies
- Identify appropriate research topics
- Select and define appropriate research problem and parameters
- Will able to give research legitimacy and provides scientifically sound findings.
- Enable students to prepare report writing and framing research proposals.

3. **Participants:**

Early Research Careers, Research scholars and postgraduate students are eligible to apply for this programme. All those who meet the eligibility criterion are eligible to attend this course. In the Academic Session 2022-2023, we have conducted 2 batches of this course on Advanced Research Methodology. Total approximately 120 students registered in each batch for this course. The detail of the student's registration and students who completed the course are presented with help of diagram given below.



4. Outcome of the Course:

By the end of this course, participants learn how to:

1. Gain better understanding on how to identify a research problem and design a valid research project to answer specific research questions.
2. Get hands-on training in the usage of several opensource tools that can assist them in their research endeavours.
3. Write effective research papers and thesis in the journal designated formats using online tools.
4. Know the process of finding good quality journals for research and publishing.

5. Course Outline: (30 Hours Course Module) (Time: 04:00 to 06:00 P.M.)

- i. Introduction to Research: Research Philosophy & Types
- ii. Research Design and Types
- iii. Data collection and Data Visualization
- iv. Analysis of Data and Techniques
- v. Systematic Literature Review and Meta Data Analysis
- vi. Introduction to different Qualitative Research Methods

- vii. Developing an understanding about Qualitative and Quantitative Data Analysis
- viii. Writing Research Report and Research Papers using LaTeX
- ix. Advanced Searching Tools and Referencing Tools
- x. Scientific Journal Finder
- xi. Indexing and Impact Factors
- xii. Publication Ethics: Patent, Copyright and Plagiarism

6. Training Approach

The course is taught in online mode through a mix of theory, group works and case studies. Training manuals and additional reference materials are also provided to the participants.

7. Certification

Upon successful completion of this course, participants will be issued with a certificate.

8. Overall Assessment about the course

The assessment of the training course was based on the survey being conducted through an evaluation session at the end of the training program to measure whether the training objectives have been achieved, participant's expectation is met and whether the course is relevant to the participants towards successful completion of the course. The evaluation suggest that the training was conducted in line with the course outline and meets the participants expectations. They have also felt that the training meets the overall objectives.

9. **Suggestion in the improvement in the future**

- i) The training was very well organized, and it should continue in the same way when the next training is conducted.
- ii) As the training was in online mode it would better if could have happen in offline mode.
- iii) Number of training days need to be increased.



Dr. Rashmi Ranjana

Course Coordinator

Assistant Professor

Department of Geography

College of Commerce, Arts & Science

Patna-20

DR. RASHMI RANJANA
HEAD
P.G. DEPT. OF GEOGRAPHY
COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA-20



Prof. Indrajit Prasad Roy

Principal

College of Commerce, Arts & Science

Patna-20

Principal
College of Commerce, Arts & Science, Patna

Cert. No. 12/057

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



THIS IS TO CERTIFY THAT

SHIVANI

Of

Dept. of Chemistry, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “*Advanced Research Methodology*” of
30 hours duration conducted by College of Commerce, Arts and Science, Patna

during the period 15/11/2022 to 29/11/2022 .

Ranjana

Dr. Rashmi Ranjana
Course Co-Ordinator

Principal
College of Commerce, Arts & Science, Patna
Prof. (Dr.) Indrajit Prasad Roy
Principal

College of Commerce, Arts & Science

Patliputra University

IQAC and UGC Cell

REPORT ON CERTIFICATE COURSE IN “BASIC PHOTOGRAPHY”

For Academic Session 2022-2023

The Internal Quality Assessment Cell (IQAC) and UGC Cell jointly organized 32 hours CERTIFICATE COURSE IN “BASIC PHOTOGRAPHY” from 2nd July, 2022 for the students of the college. The classes were conducted in weekends (Saturday and Sunday) from 08.00AM to 10.00AM for 8 weeks in hybrid mode. The total duration of the course is 32 hours. The objective of the Certificate course in Basic Photography is to develop and nurture the basic understanding of Photography among the students. This course has provided an in depth understanding of the various factors that can affect the quality of images and also about the challenges that are likely to come up while clicking the most impressive pictures. Students got exposed to different kinds of photography practices such as Photojournalism, Product, Sports, Wedding, Industrial, Documentary and Mobile photography. Outdoor and indoor photography were taught as per light sources.

The course was mentored by Mr. Suman Mukherjee, owner of Digital Graphic and Life Member of Federation of Indian Photography (FIP). After completion of classes students were evaluated by their attendance and performance in learning.

The courses conducted in 2022-2023 academic session is as follows:

Batch 1: 2nd July to 21st August 2022. Total 50 students participated from different departments and 48 completed the course successfully.

Batch 2: 5th Nov to 24th Dec, 2022. Total 50 students participated from different departments and 42 completed the course successfully.

A MOU was signed between College of Commerce, Arts & Science, Patna and Digital Graphic for mentoring students and creating job opportunities for them.

Some Glimpses of outdoor photography



Signature of Co-ordinator: *Ayan Mukherjee*
Dr. Ayan Mukherjee
Assistant Professor
Department of Physics
College of Commerce, Arts & Science, Patna

Signature of Principal:

[Signature]
Principal
College of Commerce, Arts & Science, Patna

Cert. No. BP/2022-23/1/001

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



THIS IS TO CERTIFY THAT
SUKANYA KUMARI

Of

Dept. of Botany. College of Commerce, Arts & Science, Patna

has successfully completed the certificate course (32 hours) in “BASIC PHOTOGRAPHY” conducted by College of Commerce, Arts & Science, Patna with Digital Graphic during the period 02.07.2022 to 21.08.2022

Dr. Ayan Mukherjee
Course Co-Ordinator

Principal
College of Commerce, Arts & Science
Patna- 800020

Prof. (Dr) Indrajit Prasad Roy
Principal



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Renewable Energy

Mode of Learning: - Hybrid

Online: Google Meet

Offline Class Room: Physics Department Smart Lecture Hall

Academic Session: - 2022-2023 (Total Batch Conducted: - 2)

Batch 1: 1st August 2022 to 30th November 2022

Batch 2: 15th January 2023 to 15th May 2023

Total Week: - 16 Weeks (40 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1/ Batch 2						L1(Offline) (9:00-10:00 AM) PKM	L1(Online) (10:00-10:50 AM) PKM (10:50- 11:40 AM) RK

Note: - Holiday as per academic calendar

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	108
Batch 2	120	110
Total	240	218

Note: Only students who have more than 75% attendance are allowed to take certificate.

Course Co-ordinator

Principal

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

Certificate Of Completion

THIS CERTIFICATE IS PRESENTED TO

MITHLESH YADAV

OF

DEPT OF Computer Application COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA
FOR SUCCESSFULLY COMPLETING 30 HOURS CERTIFICATE COURSE IN RENEWABLE ENERGY IN
THE PERIOD 01/08/2022 to 30/11/2022



Dr. Pankaj Kumar Modi
Co-ordinator



Principal
College of Commerce, Arts & Science
Patna - 20

Prof. Indrajit Prasad Roy
Principal

Certificate No.: • B1/001



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Academic Session: - 2022-2023

Course Completion Report

Title of the Course: - Certificate Course in Communicative English

Mode of Learning: - Online

Class Room: Department of English

Batch 1: 07.11.2022 to 22.12.2022

Batch 2: 06.02.2023 to 25.03.2023

Total Duration: 32 Hours

2 theory classes per week each of 1 hour 20 minutes and one group discussion class of 2 hours per week. Almost 6 weeks including assessment period. 18 theory classes and 4 group discussion classes.

Time Table

Classes from 08.40 AM to 10.00 AM on Monday, Wednesday and Friday; Group Discussion classes from 04.00 PM to 06.00 PM on Saturday.

Note: -Holiday as per academic calendar

Total Student Enrolled: - 200

	Enrolled Students	Passed Students
Batch 1	100	90
Batch 2	100	86
Total		176

Note: Only those students who have more than 75 % attendance were allowed to take certificate.

Resource Persons:

1. Prof. (Dr.) Saloni Prasad (Mrs. Kumar)
2. Dr. Rishikesh Ranjan

Course Coordinator

Principal
College of Commerce, Arts & Science, Patna

College of Commerce, Arts & Science

Patliputra University

(IQAC)

REPORT ON CERTIFICATE COURSE IN “GERMAN LANGUAGE”, 2022-2023

The Internal Quality Assessment Cell (IQAC) of the college organized 30 hours CERTIFICATE COURSE IN “GERMAN LANGUAGE” from 1st August, 2022 to 3rd September, 2022 for the students of the college. The classes were conducted six days a week (Batch- 1 and 3 on Monday, Wednesday and Friday and batch 2 and 4 on Tuesday, Thursday and Saturday) from 09:00 am to 10:00 am in online mode. This certificate course benefitted individuals to communicate effectively in the German language, express themselves more confidently, and engage in various types of conversations, from everyday interactions to in-depth discussions. In future, students will have career benefits associated with completing a certificate course in German language such as:

- a) **Global Job Opportunities:** Learning the German language will open the door to millions of job opportunities globally. German is widely spoken in various countries and is often required for roles in international business, diplomacy, and more.
- b) **Higher Earning Potential:** Proficiency in the German language will lead to higher-paying opportunities, whether as a freelancer or a full-time professional. Bilingual or multilingual individuals often command premium salaries.
- c) **Enhanced CV and LinkedIn Profile:** Adding language proficiency to CV and LinkedIn profile demonstrates your commitment to professional development.
- d) **Career Advancement:** Acquiring in-demand language skills will set them apart from their peers and lead to promotions in their current role or better opportunities in their field. Being able to communicate in German will be a valuable asset in various industries.
- e) **Certification:** Completing a German language training course and receiving a certification will not only validate their skills but also boost their profile, making them more competitive in the job market.
- f) **Job Security:** In a globalized world, language skills will provide them better job security. Knowing German will open doors to work with multinational companies and institutions, increasing their employment stability.
- g) **International Opportunities:** Proficiency in German will enhance their chances of finding employment in Germany, Switzerland, Austria, and other European Union countries. This can be especially valuable for those seeking to work or study abroad.
- h) **Translation Opportunities:** Learning German will qualify them for roles as a translator, serving government organizations, multinational corporations, non-governmental organizations (NGOs), and other institutions that require language translation services.

In this course total 480 students (first come first serve basis) participated from different departments of the college with around 120 students in each batch. **Rita Yadav**, German Subject Matter Expert Retail Business Service, Flex organization Variable Amazon Development sector, Bengaluru was the resource person. After the completion of the course, theory examination was held on 6th September, 2022. Those who had secured minimum 90% attendance were eligible for appearing in the examination. Out of 480 students 463 appeared in the examination. Among them "A" grade was awarded to 452 students and "B" grade awarded to the rest of them.



Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS & SCIENCE PATNA



CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

SUNNY KUMAR

Department of Zoology

College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in “**GERMAN LANGUAGE**”
of 30 hours duration conducted by College of Commerce, Arts & Science, Patna
during the period 01.08.2022 to 03.09.2022.



Dr. Akanksha Priya
Course Co-Ordinator

Principal
COCAS, PATNA



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Academic Session: - 2022-2023

Course Completion Report

Title of the Course: - Certificate Course in Communicative English

Mode of Learning: - Online

Class Room: Department of English

Batch 1: 07.11.2022 to 22.12.2022

Batch 2: 06.02.2023 to 25.03.2023

Total Duration: 32 Hours

2 theory classes per week each of 1 hour 20 minutes and one group discussion class of 2 hours per week. Almost 6 weeks including assessment period. 18 theory classes and 4 group discussion classes.

Time Table

Classes from 08.40 AM to 10.00 AM on Monday, Wednesday and Friday; Group Discussion classes from 04.00 PM to 06.00 PM on Saturday.

Note: -Holiday as per academic calendar

Total Student Enrolled: - 200

	Enrolled Students	Passed Students
Batch 1	100	90
Batch 2	100	86
Total		176

Note: Only those students who have more than 75 % attendance were allowed to take certificate.

Resource Persons:

1. Prof. (Dr.) Saloni Prasad (Mrs. Kumar)
2. Dr. Rishikesh Ranjan

Course Coordinator

Principal
College of Commerce, Arts & Science, Patna

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



This is certified that

ANIKET KUMAR

Dept. of Information Technology, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in "**Communicative English**"
conducted by Dept. Of English, College of Commerce, Arts and Science, Patna during
07/11/2022 to 22/12/2022

Prof. Saloni Prasad
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal



**COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)**



Course Completion Report

Title of the course: - Vedic Mathematics

Mode of Learning: - Offline

Mathematics Department, COCAS, Patna

Academic Session: - 2021-2022 (Total Batch Conducted: - 3)

Batch 1: 1st October 2021 to 30th November 2021

Batch 2: 1st February 2022 to 30th March 2022

Batch 3: 1st April 2022 to 31st May 2022

Total: 30 Hours

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1	L1		L1		L1		L1
/	(9:00-		(9:00-09:50		(9:00-		(10:00-10:50
Batch 2	09:50		AM)		09:50		AM)
/	AM)				AM)		
Batch 3							

Note: - Holiday as per academic calendar

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	115
Batch 2	120	103
Batch 3	119	101
Total	319	

Note: Only students who have more than 75 % attendance are allowed to take certificate.



Course Co-ordinator


Principal
College of Commerce, Arts & Science, Patna
Principal

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA

CERTIFICATE IN VEDIC MATHEMATICS

THIS IS TO CERTIFY THAT

Amrtaanshu  Kumar
Of

Zoology..... College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in "Vedic Mathematics" of 30

hours duration conducted by College of Commerce, Arts and Science, Patna,

for the period. 01/10/2021 to 30/11/2021



Dr. Shambhu Sharan

Course Co-Ordinator

Cert. No.: VM/CC/ B1/001



Prof. Tapan Kumar Shandilya

Principal
College of Commerce, Arts & Science, Patna
Principal



COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Renewable Energy

Mode of Learning: - Hybrid

Online: Google Meet

Offline Class Room: Physics Department Smart Lecture Hall

Academic Session: - 2021-2022 (Total Batch Conducted: - 2)

Batch 1: 1st August 2021 to 30th November 2021

Batch 2: 15th January 2022 to 15th May 2022

Total Duration: 40 Hours

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1/ Batch 2	L1(Offline) (9:00-09:50 AM) PKM						L1(Online) (10:00-10:50 AM) PKM (10:50- 11:40 Am) RK

Note: - Holiday as per academic calendar

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	108
Batch 2	120	105
Total	240	213

Note: Only students who have more than 75 % attendance are allowed to take certificate.

Course Co-ordinator

Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA
Certificate Of Completion

THIS CERTIFICATE IS PRESENTED TO

Ajay Kumar

OF

DEPT OF Economics..... COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA
FOR SUCCESSFULLY COMPLETING 30 HOURS CERTIFICATE COURSE IN RENEWABLE ENERGY IN
THE PERIOD 01/08/2021 to 30/11/2021



Dr. Pankaj Kumar Modi
Co-ordinator





Prof. Tapan Kumar Shandilya
Principal
College of Commerce, Arts & Science
Patna- 800020

Certificate No.: B-1|001

College of Commerce, Arts & Science, Patna
Patliputra University

Course Completion Report

on

“STRESS MANAGEMENT”

The Internal Quality Assessment Cell (IQAC) organized certificate course in “**STRESS MANAGEMENT**” from **04 October, 2021 to 22 October, 2021** for the students of the college. It was a 30- hour course (2 hour each session, five times a week). Classes were conducted from 04.00 PM to 06.00 PM in Hybrid mode (online: on Google Meet & offline: in the college premises). This course exposed the students to a holistic approach regarding stress management. The course targeted to the young participants aiming to provide a vision for managing optimal performance, Work-Life balance, better physical and mental health, better relationship with family and friends and promoting self- care through lifestyle changes.

In future as well the students will have many benefits associated with completing a certificate course in stress management, such as, enhanced well-being and satisfaction, improved stress identification and assistance for team leaders, enhanced working environment, workplace happiness, and workforce contentment.

In this course total 120 students participated from different departments of the college. Dr. Ashish Dubey, Assistant Professor (Psychology), M.M. College, Bikram was the Resource Person. After the completion of the course, theory examination was held on **30 October, 2021**. Those who had secured minimum 80% attendance were eligible for appearing in the examination. Out of 120 students 118 students successfully completed the course.



Course Coordinator



Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

College of Commerce, Arts & Science, Patna
Patliputra University

Course Completion Report

on

“STRESS MANAGEMENT”

The Internal Quality Assessment Cell (IQAC) organized certificate course in “**STRESS MANAGEMENT**” from **15 November, 2021 to 03 December, 2021** for the students of the college. It was a 30- hour course (2 hour each session, five times a week). Classes were conducted from 04.00 PM to 06.00 PM in Hybrid mode (online: on Google Meet & offline: in the college premises). This course exposed the students to a holistic approach regarding stress management. The course targeted to the young participants aiming to provide a vision for managing optimal performance, Work-Life balance, better physical and mental health, better relationship with family and friends and promoting self- care through lifestyle changes.

In future as well the students will have many benefits associated with completing a certificate course in stress management, such as, enhanced well-being and satisfaction, improved stress identification and assistance for team leaders, enhanced working environment, workplace happiness, and workforce contentment.

In this course total 120 students participated from different departments of the college. Dr. Ashish Dubey, Assistant Professor (Psychology), M.M. College, Bikram was the Resource Person. After the completion of the course, theory examination was held on **11 December, 2021**. Those who had secured minimum 80% attendance were eligible for appearing in the examination. Out of 120 students 115 students successfully completed the course.



Course Coordinator



Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

College of Commerce, Arts & Science, Patna
Patliputra University

Course Completion Report

on

“STRESS MANAGEMENT”

The Internal Quality Assessment Cell (IQAC) organized certificate course in “**STRESS MANAGEMENT**” from **11 April, 2022 to 29 April, 2022** for the students of the college. It was a 30- hour course (2 hour each session, five times a week). Classes were conducted from 04.00 PM to 06.00 PM in Hybrid mode (online: on Google Meet & offline: in the college premises). This course exposed the students to a holistic approach regarding stress management. The course targeted to the young participants aiming to provide a vision for managing optimal performance, Work-Life balance, better physical and mental health, better relationship with family and friends and promoting self- care through lifestyle changes.

In future as well the students will have many benefits associated with completing a certificate course in stress management, such as, enhanced well-being and satisfaction, improved stress identification and assistance for team leaders, enhanced working environment, workplace happiness, and workforce contentment.

In this course total 120 students participated from different departments of the college. Dr. Ashish Dubey, Assistant Professor (Psychology), M.M. College, Bikram was the Resource Person. After the completion of the course, theory examination was held on **09, May, 2022**. Those who had secured minimum 80% attendance were eligible for appearing in the examination. Out of 120 students 117 students successfully completed the course.



Course Coordinator



Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



THIS IS TO CERTIFY
SONU KUMAR

Of

Dept. of ENGLISH, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “**Stress Management**” of 30 hours duration
conducted by College of Commerce, Arts and Science, Patna for the
period 04.10.2021 TO 22.10.2021

Dr. Ravi Ranjan
Course Co-Ordinator

Prof. Tapan Shandilya
Principal

Course Completion Report: – Academic Year 2021-22

Course Name: - Personality Development

Duration: 45 Hours

Batch I- 14.10.2021 to 25.11.2021

Batch II- 12.03.2022 to 06.04.2022

In this era of rapid technological advancement, a need is felt for quicker adaptation of the human mind to the environment. Human personality is the core of all thought processes, as a learning institution, it is the moral obligation of the institution to groom students' personalities. The conception of this aim was realized by running “Value Added” courses apart from regular academic courses. This is an applied course that has more of a learning practical skill.

This course admitted-120 students in each batch, a total of 240 on “First Come, First Serve”, and all bonafide students of the college were eligible for admission. The course curriculum encompasses both theoretical and practical aspects of personality development. The theoretical classes were conducted in offline mode. They were familiarized with various personality tests and their utility in the assessment of personality. Practical sessions were conducted for various soft skills training. Students were encouraged to presentation of their learned skills of course. The resource persons were chosen from internal and external sources. Internal resource persons were Prof. Dinesh Kumar, Ms. Sanyukta, and external resource persons were Dr. Pranay Gupta, Dr. Ravi Ranjan, Dr. Sikandar Jamil , who conducted the course.

After the completion of the course, the students were subjected an objective written test and viva voice examination for the award of the certificate. The minimum attendance of 70 percent of the total classes held was added as a rider clause. 20 students left the course in before completion and the remaining 220 (Batch I=112 and Batch II=108) students successfully completed the course.



Course Co-Ordinator



Principal
Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA

CERTIFICATE OF COMPLETION

This is to certify that

.....AMAN BHASKAR.....


.....ENGLISH Dept....., College of Commerce,

Arts & Science, Patna has successfully completed the 45
hours certificate course in Personality Development in the
period14.10.2021 to 25.11.2021.....



Dr. Vandana Maurya
Co-Ordinator




Principal
College of Commerce, Arts & Science
Patna - 800020

Cert. No.: COCPD/81/0012



COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)



Academic Session: - 2021-2022

Course Completion Report

Title of the course: - Certificate Course in Nanotechnology

Mode of Learning: - Offline Class Room: Physics Department

Batch 1: 02.08.2021 to 18.09.2021

Batch 2: 08.11.2021 to 23.12.2021

Batch 3: 07.02.2022 to 21.03.2022

Total Duration: 32 Hours

2 theory classes per week each of 1hour 30 minutes and one practical class of 2 hours per week.

Holidays as per Institutional rules.

Time Table

Classes from 9 AM to 10.30 AM on Tuesday and Friday, Practical classes from 12.00 PM to 02.00 PM on Saturday.

Note: - Holiday as per academic calendar

Total Student Enrolled: -

2021-2022

	Enrolled Students	Passed Students
Batch 1	60	57
Batch 2	60	52
Batch 3	60	53
	Total	162

Note: Only students who have more than 75 % attendance are allowed to take certificate.

Resource Persons:

Dr. Santosh Kumar

Dr. B. C. Rai


Dr. Ayan Mukherjee

Dr. Rajnish Kumar

Dr. Pankaj Kumar Modi

Dept of Physics, COCAS, Patna


Course Co-Ordinator



Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

Certificate No. B 11001

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

Certificate Of Completion



THIS CERTIFICATE IS PRESENTED TO

Vikash kumar

OF

DEPT OF Psychology COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA
FOR SUCCESSFULLY COMPLETING 32 HOURS CERTIFICATE COURSE IN NANOTECHNOLOGY IN
THE PERIOD 02/08/2021 to 18/09/2021

Dr. Santosh Kumar
Co-ordinator

Prof. Tapan Kumar Shandilya
Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

College of Commerce, Arts & Science

Patliputra University

IQAC and UGC Cell

REPORT ON CERTIFICATE COURSE IN “BASIC PHOTOGRAPHY”

For Academic Session 2021-2022

The Internal Quality Assessment Cell (IQAC) and UGC Cell jointly organized 32 hours CERTIFICATE COURSE IN “BASIC PHOTOGRAPHY” from 3rd July, 2021 for the students of the college. The classes were conducted in weekends (Saturday and Sunday) from 08.00AM to 10.00AM for 8 weeks in hybrid mode. The total duration of the course is 32 hours. The objective of the Certificate course in Basic Photography is to develop and nurture the basic understanding of Photography among the students. This course has provided an in depth understanding of the various factors that can affect the quality of images and also about the challenges that are likely to come up while clicking the most impressive pictures. Students got exposed to different kinds of photography practices such as Photojournalism, Product, Sports, Wedding, Industrial, Documentary and Mobile photography. Outdoor and indoor photography were taught as per light sources.

The course was mentored by Mr. Suman Mukherjee, owner of Digital Graphic and Life Member of Federation of Indian Photography (FIP). After completion of classes students were evaluated by their attendance and performance in learning.

The courses conducted in 2021-2022 academic session is as follows:

Batch 1: 3rd July to 29th August 2021. Total 50 students participated from different departments and 43 completed the course successfully.

Batch 2: 7th Nov to 27th December, 2021. Total 50 students participated from different departments and 46 completed the course successfully.

Batch 3: 6th Feb to 27th March, 2022. Total 50 students participated from different departments and 41. completed the course successfully

Some Glimpses of outdoor photography





Ayan Mukherjee
Signature of Co-ordinator: **Dr. Ayan Mukherjee**
Assistant Professor
Department of Physics
College of Commerce, Arts & Science, Patna.

Tu Sandhya
Signature of Principal: **Principal**
College of Commerce, Arts & Science, Patna

Cert. No. BP/2021-22/1/001

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



THIS IS TO CERTIFY THAT

PRITY AZAD

Of

Dept. of Zoology, College of Commerce, Arts & Science, Patna

has successfully completed the certificate course (32 hours) in "BASIC PHOTOGRAPHY" conducted by College of Commerce, Arts & Science, Patna with Digital Graphic during the period 03.07.2021 to 29.08.2021

Dr. Ayan Mukherjee
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal

Course Completion Report

on

Application of Geographical Information System (Session-2021-22)

First Batch-

07th to 20th June 2021

Second Batch-

06th to 19th September 2021

Third Batch-

02nd to 15th May 2022

Time: 04:00 P.M. to 06:30 P.M.



**College of Commerce, Arts & Science, Patna
Bihar-20**

Table of Contents

Sl.no.	Contents
1	Course Background
2	Participants
3	Outcome of the Course
4	Course Outline
5	Training Approach
6	Certification
7	Overall Assessment about the Training
8	Feedback from the students
9	Suggestion for Improvement in the Future
10	Way Forward

Annexure:

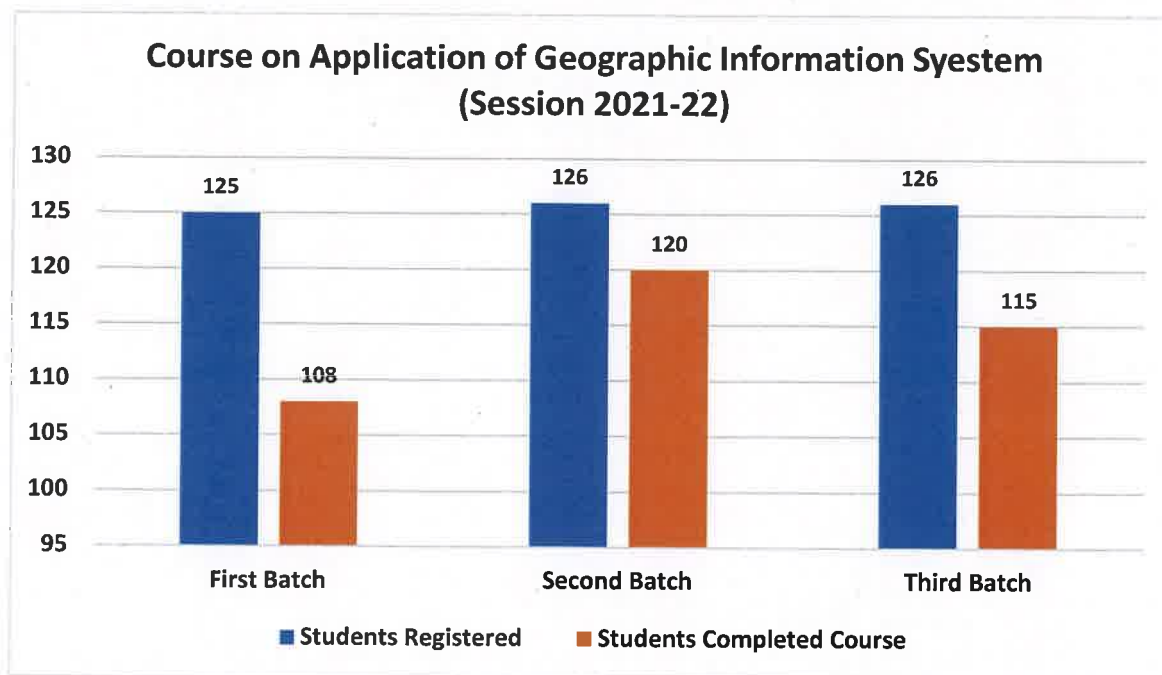
Annex 1: Agenda of the Training

1. Course Background:

Geographical Information Systems have become an essential tool for planning, resource management and decision making. The ability of GIS to store, retrieve, analyze model and map spatial data has enhanced its application. Geographic information systems are used in infrastructure management, project beneficiary mapping, service facilities mapping, land use planning, market analysis, impact analysis and utilities management. This training on Application of GIS will help the students for Mapping and Spatial Data Analysis. This course aims at equipping the learners with knowledge to use GIS tools to visualize real world features, explore spatial data and analyze maps to communicate information and make decisions. "People looking to make career in Remote Sensing industry can foresee big growth across Agriculture, Insurance, Disaster Management, Urban Management, Energy and many other sectors; but at the same time, you need to be more technical and solution driven". The seven days' workshop is designed for students with no prior knowledge and will offer essential and practical understanding and linkages of Remote sensing and GIS concepts, tools and real applications.

2. Participants:

This course is designed for the participants those pursuing Post Graduate in Geography and further want to apply GIS in their research work. In the Academic Session 2021-22 we have conducted 3 batches of this course on Application of Geographic Information System. Total approximately 125 students registered in each batch for this course. The detail of the student's registration and certificate are presented with help of diagram given below.



3. Objective of the Course:

- i) Introduce basic concepts in GIS
- ii) Provide exposure to basic tools and techniques in GIS software
- iii) Introduce applications of GIS in relevant areas

4. Outcome of the Course

By the end of this course, participants learn how to:

- Acquire, clean, and map GIS data
- Work with both vector and raster data
- Complete an entire GIS project on acquiring, processing, analyzing, and visualizing GIS data.
- Work with attributes and shapefiles in map making
- Geocode addresses to longitude and latitude coordinates
- Perform joins, clipping, normalization, and many more core GIS operations
- Work with vector and raster data
- Perform spatial analysis to better understand your data
- Create and share online maps using web GIS platforms

This training on Application of GIS helped the participant for Mapping and Spatial Data Analysis.

5. Course Outline: (35 hours Course Module) (04:00 P.M to 06:30 P.M.)

Introduction to GIS concepts

- Principles of GIS and Remote Sensing
- Components of GIS Systems
- GIS Capabilities and Functions
- Spatial Data Infrastructure

Introduction to GIS data

- Vector geometries
- Vector information
- Raster basics
- Data attribute table

- Metadata

Spatial Reference Systems

- Map projections
- Coordinate system
- GPS system

GIS data acquisition

- Extracting data from Satellite images
- Remote sensing data
- Extracting data from online GIS data sources
- Obtaining Data from topographic sheets
- Downloading Data from open street maps

Map making using QGIS software

- Map Components
- Working with shapefiles and attribute data in QGIS

Loading GIS Data into QGIS

- Vector and raster data layer
- Working with attributes
- Importing spread sheets or CSVs
- Adding a base map
- Geocoding addresses

Key Options of Geospatial Data Representations

- Data and layout view
- Layer order and transparency
- Symbology and label
- Annotations

Styling geographical features

- Basic vector styling
- Basic raster styling
- Raster mosaicing and clipping

Producing final map

Spatial Analysis

Point pattern analysis

- Heatmap in QGIS
- Graduated point map
- Density maps
- Offset point location

Buffer analysis

Join analysis

- Spatial join
- Table joins
- Spatial query

6. Training Approach

This training on GIS Mapping and Spatial Data Analysis course is delivered by our trainer **Miss. Ananya Kumari**, Senior Executive, Scanpoint Geomatics Ltd. who have vast experience as expert professionals. The course is taught through a mix of practical activities, theory, group works and case studies. Training manuals and additional reference materials are provided to the participants.

7. Certification

Upon successful completion of this course, participants will be issued with a certificate.

8. Overall Assessment about the course:

The assessment of the training course was based on the survey being conducted through a evaluation session at the end of the training program to measure whether the training objectives have been achieved, participant's expectation is met and whether the training course is relevant to the participants towards successful creation of maps with the help of GIS and can further used in research. The evaluation suggest that the training was conducted in line with the course outline and meets the participants expectations. They have also felt that the training meets the overall objectives.

9. Feedback from the Participants on the Training

- i) The training was very effective for the students as they learn the various tools used in GIS.
- ii) Training was very detailed and technically useful.
- iii) Session was explained in simple language which make the participants to understand the subject easily.

- iv) Participants felt that this training on the application of GIS will help them further extracting data and use for research purpose.
- v) Participants were confident in generating maps, using shapefiles and attribute data in QGIS.
- vi) Participants were able to understand and use raster and vector data.
- vii) Perform spatial analysis with the data.

10. Suggestion in the improvement in the future

- i) The training was very well organized, and it should continue in the same way when the next training is conducted.
- ii) As the training was in online mode it would better if could have happen in offline mode.
- iii) Number of training days need to be increased.

11. Way Forward

Based on the suggestions from the participants, the course content for the next advanced training will be designed to meet their expectations and where necessary, additional information would be included.

Few Glimpses of the GIS Classes





Vidya Yadav

(Dr. Vidya Yadav)
Course Coordinator
Department of Geography
College of Commerce, Arts & Science
Patna-20, Bihar

T. K. Shandilya

(Prof. Tapan Kumar Shandilya)
Principal
College of Commerce, Arts & Science
Patna-20, Bihar

Principal
College of Commerce, Arts & Science
Patna-800020

Annexure:

Annex 1: Agenda of the Training (35 hours Course Module)

Units	Topics		
Unit 1	An Introduction to Remote Sensing & GIS	How to install QGIS and its Plugins, Components of GIS system, GIS capabilities and function, Spatial data Infrastructure	Vector Geometrics, Vector Information, Raster Basics, Data attribute table
Unit 2	Introduction to Map making	Geo- referencing of the given Map in QGIS, Geo-referencing (image to image) Raster to vector advance vector creation	Basic concept of coordinate system, projection, GPS System (Practical practice session)
Unit 3	Sources of data input; Generation of Geo-data bases; Data base management system; Spatial topology	Data attachment Use of excel sheet and CSV file join fields & Create Thematic maps-I	Pie diagram, Histogram Dot Distribution Map Graduated Symbol Map
Unit 4	Spatial Analysis: Understanding where things are or where events occur., Measuring sizes, shapes, and distributions of things or measurements., Analysing relationships and interactions between places., Optimizing locations for facilities, or routes for transportation	Integration of raster and vector data, Spatial join, Table join, Spatial query	Practical practice session
Unit 5	Join fields & Create Thematic maps-II	Choropleth Map Density mapping	Query building in QGIS
Unit 6	Visual Image Interpretation	Image Processing in QGIS	DEMs and their application (Hands-on)
Unit 7	Practice on shapefiles and attribute table	Hands on Practice	Validatory session
Resource Person: Ananya Kumari, Senior Executive-Business Development, Scanpoint Geomatics Ltd.			

Cert. No. 81/001

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



THIS IS TO CERTIFY THAT

Bhola Kumar

Dept. of Account. Group, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in "Application of Geographical Information Systems" of 35 hours duration conducted by the Department of Geography, COCAS during the period 7/06/2024 to 29/06/2024.

Principal
College of Commerce, Arts & Science
Patna-800020

Dr. Vidya Yadav

Course Co-Ordinator

Prof. Tapan Kumar Shandilya

Principal



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Applied Financial Literacy & Banking

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department, Smart Lecture Hall and Skill Development Centre, Smart Classroom

Academic Year: - 2021-2022 (Total Batches Conducted: 3)

Batch 1: 2nd July 2021 to 29th September 2021

Batch 2: 1st October 2021 to 28th December 2021

Batch 3: 1st March 2022 to 28th May 2022

Total Duration: 36 Hours

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2 / Batch 3	9-10 AM (Offline)		9-10 AM (Offline)				10-11 AM (Online)

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	107
Batch 2	120	113
Batch 3	120	111
Total	331	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.

BLOJ

Course Co-Ordinator

Tu Khandiqa

Principal
Principal
College of Commerce, Arts & Science
Patna- 800020



COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

Cert. No. B1/001

THIS IS TO CERTIFY THAT

◆ NI TESH KUMAR ◆

DEPARTMENT OF BUSINESS MANAGEMENT of
College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in "Applied Financial Literacy & Banking" of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during the period 21.07.2021 to 29.09.2021.....

Dr. Baikunth Roy
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal
College of Commerce, Arts & Science
Patna- 800020



COLLEGE OF COMMERCE, ARTS & SCIENCE PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Foundation of Gender Studies

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department, Smart Lecture Hall and Skill Development Centre, Smart Classroom

Academic Year: - 2021-2022 (Total Batches Conducted: 2)

Batch 1: 1st September 2021 to 28th November 2021

Batch 2: 2nd January 2022 to 28th March 2022

Total Duration: - 36 Hours

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2	9-10 AM (Offline)		9-10 AM (Offline)				10-11 AM (Online)

Note1: - Holidays as per academic calendar

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	150	140
Batch 2	150	138
Total	278	

Note2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.


Course Co-Ordinator


Principal
College of Commerce, Arts & Science, Patna

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



THIS IS TO CERTIFY THAT

Prity Kumari

of

.....Economics Dept....., College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in "Foundations of Gender Studies" of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during the period 01/09/2021 to 28/11/2021.....

Rashmi Akhoury

Prof (Dr) Rashmi Akhoury
Course Co-Ordinator

Mr. Tapan Kumar Shandilya

Prof. Tapan Kumar Shandilya
Principal

Cert. No. 051/061.....

College of Commerce, Arts & Science, Patna.

College of Commerce, Arts & Science

Patliputra University

(IQAC)

REPORT ON CERTIFICATE COURSE IN “GERMAN LANGUAGE”, 2021-2022

The Internal Quality Assessment Cell (IQAC) organized 30 hours CERTIFICATE COURSE IN “GERMAN LANGUAGE” from 2nd August, 2021 to 4th September, 2021 for the students of the college. The classes were conducted six days a week (Batch- 1 and 3 on Monday, Wednesday and Friday and batch 2 and 4 on Tuesday, Thursday and Saturday) from 09:00 am to 10:00 am in online mode. This certificate course benefitted individuals to communicate effectively in the German language, express themselves more confidently, and engage in various types of conversations, from everyday interactions to in-depth discussions. In future, students will have career benefits associated with completing a certificate course in German language such as:

- a) **Global Job Opportunities:** Learning the German language will open the door to millions of job opportunities globally. German is widely spoken in various countries and is often required for roles in international business, diplomacy, and more.
- b) **Higher Earning Potential:** Proficiency in the German language will lead to higher-paying opportunities, whether as a freelancer or a full-time professional. Bilingual or multilingual individuals often command premium salaries.
- c) **Enhanced CV and LinkedIn Profile:** Adding language proficiency to CV and LinkedIn profile demonstrates your commitment to professional development.
- d) **Career Advancement:** Acquiring in-demand language skills will set them apart from their peers and lead to promotions in their current role or better opportunities in their field. Being able to communicate in German will be a valuable asset in various industries.
- e) **Certification:** Completing a German language training course and receiving a certification will not only validate their skills but also boost their profile, making them more competitive in the job market.
- f) **Job Security:** In a globalized world, language skills will provide them better job security. Knowing German will open doors to work with multinational companies and institutions, increasing their employment stability.
- g) **International Opportunities:** Proficiency in German will enhance their chances of finding employment in Germany, Switzerland, Austria, and other European Union countries. This can be especially valuable for those seeking to work or study abroad.
- h) **Translation Opportunities:** Learning German will qualify them for roles as a translator, serving government organizations, multinational corporations, non-governmental organizations (NGOs), and other institutions that require language translation services.

This certificate course was run in four batches in the academic session 2021-2022. A total of 480 students (first come first serve basis) participated in this course from different departments of the college. The number of students enrolled in each of the four batches were 120. **Rita Yadav**, German Subject Matter Expert Retail Business Service, Flex organization Variable Amazon Development sector, Bengaluru was the resource person. After the completion of the course, theory examination was held on 7th September, 2021. Those who had secured minimum 90% attendance were eligible for appearing in the examination. Out of 480 students, 477 appeared in the examination. Among them "A" grade was awarded to 470 students and "B" grade awarded to the rest of them.



Co-Ordinator


Principal
College of Commerce, Arts & Science, Patna
Principal

COLLEGE OF COMMERCE, ARTS & SCIENCE PATNA



CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

SHREYA KUMARI

Department of Botany

College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in “**GERMAN LANGUAGE**”
of 30 hours duration conducted by College of Commerce, Arts & Science, Patna
during the period 02.08.2021 to 04.09.2021.



Dr. Akanksha Priya
Course Co-Ordinator

Principal
COCAS, PATNA



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Fundamentals of Environmental Economics

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department Smart Lecture Hall and Skill Development Centre Lecture Hall

Academic Year: - 2021-2022 (Total Batches Conducted: 3)

Batch 1: 1st July 2021 to 30th September 2021

Batch 2: 1st October 2021 to 27th December 2021

Batch 3: 2nd March 2022 to 29th May 2022

Total Week: - 12 Weeks (36 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2 / Batch 3		9-10 AM (Offline)			9-10 AM (Offline)		11:15 AM-12:15 PM (Online)

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	107
Batch 2	120	109
Batch 3	120	113
Total	329	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.


Course Co-Ordinator


Principal

Principal
College of Commerce, Arts & Science
Patna-800020

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

Cert. No. ... 81/2021



THIS IS TO CERTIFY THAT

ROHIT KUMAR

of

DEPT. OF ECONOMICS, College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in "Fundamentals of Environmental Economics" of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during

the period 01-07-2021 to 30-09-2021

[Handwritten signature]

[Handwritten signature]

Dr. Baikunth Roy
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal

Principal
College of Commerce, Arts & Science
Patna- 800020

College of Commerce, Arts & Science

PATNA

Organized by

Department of Physics, COCAS, Patna

REPORT OF CERTIFICATE COURSE IN “WEB DESIGN”

Academic Session: - 2020-2021

The Department of Physics, College of Commerce, Arts & Science, Patna organized 32 hours CERTIFICATE COURSE IN WEB DESIGN from 06.07.2020 for the students of the college. The classes were conducted daily 1.5 hour (3 Days in one week) from 04.00 PM to 05.30 PM for 8 weeks in online mode. The total duration of the course is 32 hours. The course is designed to give some idea to beginner and intermediate students about basic web designing. This comprehensive, easy-to-understand course will teach learners the fundamentals of web develop and techniques. This course will provide full understanding of key concepts that are commonly used in web pages, including the meaning of inheritance, cascade, pseudo classes elements and selectors. The course then guides you through the use of font, background styles and style sheets.

The resource person of the course is Mrs. Anita Sagar, Assistant Professor, Dept of Physics, COCAS, Patna and Mr. Himanshu Kumar, Faculty, MCA Dept, COCAS, Patna. After completion of classes students were evaluated by their attendance and performance in test. Candidates with 80 % presence were allowed to take test for certificate.

Admission was taken in first come first basis.

The courses conducted till now are reported below:

Batch 1: 06.07.2020 to 02.09.2020. Total 120 students participated from different departments and 114 completed the course successfully

Batch 2: 05.11.2020 to 02.12.2020. Total 120 students participated from different departments and 115 completed the course successfully

Batch 3: 01.02.2021 to 06.04.2021 Total 120 students participated from different departments and 112 completed the course successfully

Agar

Signature of Co-ordinator:

Tr. Kanda

Signature of Principal:

Principal
College of Commerce, Arts & Science
Patna-800020

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



CERTIFICATE COURSE IN WEB DESIGN



THIS IS TO CERTIFY THAT

AMIT KUMAR

Of

Dept. of Mathematics, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “**WEB DESIGN**” of 32 hours duration conducted by
College of Commerce, Arts and Science, Patna during the period 06.07.2020 to 02.09.2020

Anita Sagar

Anita Sagar
Course Co-Ordinator

Prof. Tapan Kumar Shandilya

Prof. Tapan Kumar Shandilya
Principal

Session-2020-2021

Course Completion Report on Advanced Research Methodology

First Batch	10 th to 24 th January, 2021
Second Batch	1 st to 15 th March, 2021
Third Batch	2 nd to 16 th May, 2021



**College of Commerce, Arts &
Science, Patna-20**

Table of Contents

Sl.no.	Contents
1	Course Background
2	Objective of the Course
3	Participants
4	Outcome of the Course
5	Course Outline
6	Training Approach
7	Certification
9	Overall Assessment About the Training
10	Suggestion for Improvement in the Future
11	Way Forward
	Annexure

1. Course Background:

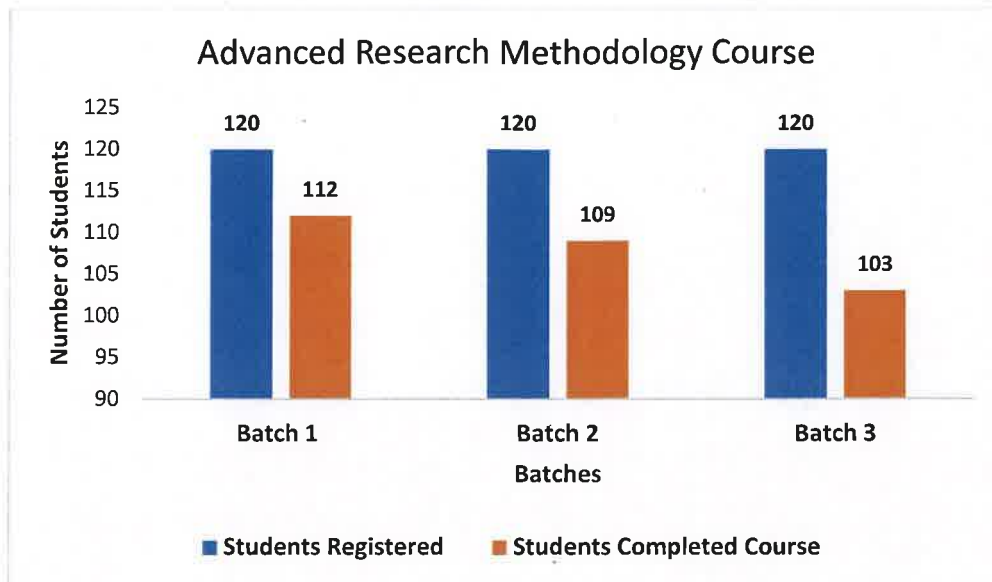
The goal of this Advanced Research Methodology course is to examine various research dimensions and paradigms. The modules aim to improve the participants' capacity for independent research in a planned manner, identify pertinent and significant literature reviews, create questionnaires, gather and analyze data, run simulations, and help them write research papers for high-impact factor journals. The primary tools discussed are those that would help a researcher conduct a systematic review of the literature, visualize data, and effectively communicate findings, write a research paper, prepare reports and theses, and guard against plagiarism. The course also seeks to familiarize participants with a variety of software programs and to make it easier for them to use such programs in their research and teaching endeavours.

2. Objective of the Course:

- Understand the basic concepts of research and its methodologies
- Identify appropriate research topics
- Select and define appropriate research problem and parameters
- Will able to give research legitimacy and provides scientifically sound findings.
- Enable students to prepare report writing and framing research proposals.

3. Participants:

Early Research Careers, Research scholars and postgraduate students are eligible to apply for this programme. All those who meet the eligibility criterion are eligible to attend this course. In the Academic Session 2020-2021, we have conducted 3 batches of this course on Advanced Research Methodology. Total approximately 120 students registered in each batch for this course. The detail of the student's registration and students who completed the course are presented with help of diagram given below.



4. Outcome of the Course:

By the end of this course, participants learn how to:

1. Gain better understanding on how to identify a research problem and design a valid research project to answer specific research questions.
2. Get hands-on training in the usage of several opensource tools that can assist them in their research endeavours.
3. Write effective research papers and thesis in the journal designated formats using online tools.
4. Know the process of finding good quality journals for research and publishing.

5. Course Outline: (30 Hours Course Module) (Time: 3:00P.M to 5:00 P.M.)

- i. Introduction to Research: Research Philosophy & Types
- ii. Research Design and Types
- iii. Data collection and Data Visualization
- iv. Analysis of Data and Techniques
- v. Systematic Literature Review and Meta Data Analysis
- vi. Introduction to different Qualitative Research Methods
- vii. Developing an understanding about Qualitative and Quantitative Data Analysis

- viii. Writing Research Report and Research Papers using LaTeX
- ix. Advanced Searching Tools and Referencing Tools
- x. Scientific Journal Finder
- xi. Indexing and Impact Factors
- xii. Publication Ethics: Patent, Copyright and Plagiarism

6. **Training Approach**

The course is taught in online mode through a mix of theory, group works and case studies. Training manuals and additional reference materials are provided to the participants.

7. **Certification**

Upon successful completion of this course, participants will be issued with a certificate.

8. **Overall Assessment about the course:**

The assessment of the training course was based on the survey being conducted through an evaluation session at the end of the training program to measure whether the training objectives have been achieved, participant's expectation is met and whether the course is relevant to the participants towards successful completion. The evaluation suggest that the training was conducted in line with the course outline and meets the participants expectations. They have also felt that the training meets the overall objectives.

9. **Suggestion in the improvement in the future**


- i) The training was very well organized, and it should continue in the same way when the next training is conducted.
- ii) As the training was in online mode it would better if could have happen in offline mode.
- iii) Number of training days need to be increased.

10. Way Forward

Based on the suggestions from the participants, the course content for the next advanced training will be designed to meet their expectations and where necessary, additional information would be included.


Dr. Rashmi Ranjana
Course Convenor
Associate Professor
Department of Geography
College of Commerce, Arts & Science
Patna-20

*DR. RASHMI RANJANA
HEAD
P.G. DEPT. OF GEOGRAPHY
COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA-20*


Prof. Tapan Kumar Shandilya
Principal
College of Commerce, Arts & Science
Patna-20

*Principal
College of Commerce, Arts & Science, Patna*



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Fundamentals of Disaster Management

Mode of Learning: - Online: Google Meet

Academic Year: - 2020-2021 (Total Batches Conducted: 2)

Batch 1: 1st September 2020 to 30th November 2020

Batch 2: 2nd January 2021 to 31st March 2021

Total Duration: 36 Hours

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2		9-10 AM		9-10 AM			11:15 AM-12:15 PM

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	150	142
Batch 2	150	143
Total	285	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.

Course Co-Ordinator

Principal
College of Commerce, Arts & Science, Patna

Cert. No.: B-1/001

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



THIS IS TO CERTIFY THAT

Ravi Kumar

Department of Commerce

of

College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in “Fundamental of Disaster Management” of 36 hours duration conducted by Dept of Economics, College of Commerce, Arts & Science, Patna during the period 01-09-2020 to 30-11-2020


Prof (Dr) Rashmi Akhoury
Course Co-Ordinator


Principal
College of Commerce, Arts & Science, Patna
Prof. Tapan Kumar Shandilya
Principal



COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Foundations of Gender Studies

Mode of Learning: - Online: Google Meet

Academic Year: - 2020-2021 (Total Batches Conducted: 2)

Batch 1: 1st September 2020 to 29th November 2020

Batch 2: 3rd January 2021 to 30th March 2021

Total Duration: - 36 Hours

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2	9-10 AM		9-10 AM				10-11 AM

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	150	144
Batch 2	150	139
Total	283	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.



Course Co-Ordinator



Principal

Principal
College of Commerce, Arts & Science, Patna

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



THIS IS TO CERTIFY THAT

— Himani Pupam —

of

Dept of Geography, College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in “Foundations of Gender Studies” of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during the period 01/10/2020 to 29/11/2020

Rashmi Akhoury

Prof (Dr) Rashmi Akhoury
Course Co-Ordinator

Tapan Kumar Shandilya

Prof. Tapan Kumar Shandilya
Principal

Principal
College of Commerce, Arts & Science
Patna-800020

Cert. No. 031/601



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Vedic Mathematics

Mode of Learning: - Online

Mathematics Department, COCAS, Patna

Academic Session: - 2020-2021 (Total Batch Conducted: - 3)

Batch 1: 1st October 2020 to 30th November 2020

Batch 2: 12th January 2021 to 12th March 2021

Batch 3: 1st April 2021 to 31st May 2021

Total Duration: 30 Hours

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2 / Batch 3	L1 (9:00- 09:50 AM)		L1 (9:00-09:50 AM)		L1 (9:00- 09:50 AM)		L1 (10:00-10:50 AM)

Note: - Holiday as per academic calendar

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	112
Batch 2	120	106
Batch 3	120	108
Total		326

Note: Only students who have more than 75 % attendance are allowed to take certificate.

Course Co-Ordinator

Principal
College of Commerce, Arts & Science, Patna

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA

CERTIFICATE IN VEDIC MATHEMATICS

THIS IS TO CERTIFY THAT

Shahjahan



Of

Dept. of Mathematics, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in "Vedic Mathematics" of 30

hours duration conducted by College of Commerce, Arts and Science, Patna,


for the period... 01/10/2020 to 31/11/2020


Dr. Shambhu Sharan

Course Co-Ordinator

Cert. No.: VM/CC/ 001




Prof. Tapan Kumar Shandilya
Principal
College of Commerce, Arts & Science, Patna
Principal

Course Completion Report: – Academic Year 2020-21

Course Name: - Personality Development

Duration: 45 Hours

Batch I – 05.10. 2020- 14.11.2020

In this era of rapid technological advancement, a need is felt for quicker adaptation of the human mind to the environment. Human personality is the core of all thought processes, as a learning institution, it is the moral obligation of the institution to groom students' personalities. The conception of this aim was realized by running “Value Added” courses apart from regular academic courses. This is an applied course that has more of a learning practical skill.

This course admitted 120 students in each batch, “First Come, First Serve”, and all bonafide students of the college were eligible for admission. The course curriculum encompasses both theoretical and practical aspects of personality development. The theoretical classes were conducted in online mode. They were familiarized with various personality tests and their utility in the assessment of personality. Practical sessions were conducted for various soft skills training. Students were encouraged to presentation of their learned skills of course. The resource persons were chosen from internal and external sources. Internal resource persons were Prof. Dinesh Kumar, Ms. Sanyukta, and external resource persons were Dr. Pranay Gupta, Dr. Ravi Ranjan, Dr. Sikandar Jamil, who conducted the course.

The class timing is 04.00 PM to 05.30 PM per day and 10 AM to 12 PM on Sunday. After the completion of the course, the students were subjected an objective written test and viva voice examination for the award of the certificate. The minimum attendance of 70 percent of the total classes held was added as a rider clause. 16 students left the course before completion and the remaining 104 students successfully completed the course.


Course Co-ordinator


Principal
College of Commerce, Arts & Science, Patna
Principal

COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA

CERTIFICATE OF COMPLETION

This is to certify that

CHANDA KUMAR

Dept. of Information Technology College of Commerce,
Arts & Science, Patna has successfully completed the 45
hours certificate course in Personality Development in the
period 05/10/2020 to 14/11/2020



Dr. Vandana Maurya
Co-Ordinator



The Principal
Principal
College of Commerce, Arts & Science, Patna

Prof. Tapan Kumar Shandilya
Principal



COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)



Academic Session: - 2020-2021

Course Completion Report

Title of the Course: - Certificate Course in Communicative English

Mode of Learning: - Online

Class Room: Department of English

Batch 1: 02.11.2020 to 21.12.2020

Batch 2: 08.02.2021 to 26.03.2021

Total Duration: 32 Hours

2 theory classes per week each of 1 hour 20 minutes and one group discussion class of 2 hours per week. 6 weeks including assessment period.

Holidays as per Institutional rules.

Time Table

Classes from 9 AM to 10.30 AM on Monday and Wednesday; Group Discussion classes from 12.00 PM to 02.00 PM on Friday.

Note: -Holiday as per academic calendar

Total Student Enrolled: - 200

	Enrolled Students	Passed Students
Batch 1	100	87
Batch 2	100	91
Total		178

Note: Only those students who have more than 75% attendance are allowed to take certificate.

Resource Persons:

- 1. Prof.(Dr.) Kumar Chandradeep**
- 2. Dr. Aditi**

SA

Course Co-ordinator

The Principal

Principal

College of Commerce, Arts & Science, Patna

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



This is certified that

PRITI KUMARI

**Dept. of Accounts Group, College of Commerce, Arts and Science,
Patna**

has successfully completed the certificate course in "**Communicative English**"
conducted by Dept. Of English, College of Commerce, Arts and Science, Patna during
02/11/2020 to 21/12/2020

Prof. Saloni Prasad
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal

College of Commerce, Arts & Science

PATNA

Organized by

Department of Physics, COCAS, Patna

REPORT ON CERTIFICATE COURSE IN "WEB DESIGN"

Academic Session: - 2019-2020

The Department of Physics, College of Commerce, Arts & Science, Patna organized 32 hours CERTIFICATE COURSE IN WEB DESIGN from 14.10.2019 for the students of the college. The classes were conducted daily 1:5 hour (3 Days in one week) from 04:00 PM to 05:30 PM in online mode. The total duration of the course is 32 hours. The course is designed to give some idea to beginner and intermediate students about basic web designing. This comprehensive, easy-to-understand course will teach learners the fundamentals of web develop and techniques. This course will provide full understanding of key concepts that are commonly used in web pages, including the meaning of inheritance, cascade, pseudo classes elements and selectors. The course then guides you through the use of font, background styles and style sheets.

The resource person of the course is Mrs. Anita Sagar, Assistant Professor, Dept of Physics, COCAS, Patna and Mr. Himanshu Kumar, Faculty, MCA Dept, COCAS, Patna. After completion of classes students were evaluated by their attendance and performance in test. Candidates with 80 % presence were allowed to take test for certificate.

Admission was taken in first come first basis.

The courses conducted till now are reported below:

Batch 1: 14.10.2019 to 16.12.2019. Total 120 students participated from different departments and 117 completed the course successfully.

Batch 2: 06.01.2020 to 04.03.2020. Total 120 students participated from different departments and 110 completed the course successfully.

Batch 3 : 01.04.2020 to 02.06.2020, Total 120 students participated from different departments and 112 completed the course successfully.

Agar

Signature of Co-ordinator:

Tr. Sandhya

Signature of Principal:

Principal
College of Commerce, Arts & Science
Patna-800020

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



CERTIFICATE COURSE IN WEB DESIGN



THIS IS TO CERTIFY THAT

AMIT KUMAR

Of

Dept. of Mathematics, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “**WEB DESIGN**” of 32 hours duration conducted by
College of Commerce, Arts and Science, Patna during the period 06.07.2020 to 02.09.2020

Anita Sagar

Anita Sagar
Course Co-Ordinator

Prof. Tapan Kumar Shandilya

Prof. Tapan Kumar Shandilya
Principal



**COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)**



Academic Session: - 2019-2020

REPORT OF CERTIFICATE COURSE ON “VIDEO EDITING”

College of Commerce, Arts & Science, Patna organized 33 hours CERTIFICATE COURSE IN “**Video Editing**” from 05.08.2019 for the students of the college. The classes were conducted daily 01.30 hours (4 Days in one week) from 03.30 PM to 05.00 PM for 6 weeks in hybrid mode mainly online classes and offline practical classes. The total duration of the course is 33 hours. The objective of the Certificate course in **Video Editing** is to develop the knowledge & skill of Video Editing Techniques in Motion Picture Photography. Students will understand the working procedure of the Editing techniques for Motion Picture Photography (Videography) and can function either as an entrepreneur or can take up jobs in the industry. We have tried to engage students in practical classes and made visit to nearby editing laboratory.

The course was mentored by Mr. Rakesh Kumar, attached to Rakesh Kumar Photography, Patna. After completion of classes students were evaluated by their attendance and performance in learning. Candidates with 75 % presence were allowed to take assessment for certificate.

The courses conducted till now are reported below:

Batch 4: 05.08.2019 to 18.09.2019, Assessment Date: 20.09.2019. Total 60 students participated from different departments and 57 completed the course successfully.

Batch 5: 04.11.2019 to 20.12.2019, Assessment Date: 23.12.2019. Total 60 students participated from different departments and 54 completed the course successfully.

Batch 6: 03.02.2020 to 20.03.2020, Assessment Date: 24.03.2020. Total 60 students participated from different departments and 58 completed the course successfully.

Signature of Co-ordinator

Signature of Principal:

Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



THIS IS TO CERTIFY THAT
ASHISH RANJAN KUMAR

Of

Dept. of Geography, College of Commerce, Arts and Science, Patna

has successfully completed the 33 hours certificate course in “*Video Editing*” conducted by
College of Commerce, Arts and Science, Patna during the period 05.08.2019 to 18.09.2019

Dr. K. P. Yadav
Course Co-Ordinator

Prof. Tapan Shandilya
Principal



**COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)**



Course Completion Report

Title of the course: - Vedic Mathematics

Mode of Learning: - Online

Mathematics Department, COCAS, Patna

Academic Session: - 2019-2020 (Total Batch Conducted: - 3)

Batch 1: 1st October 2019 to 30th November 2019

Batch 2: 1st February 2020 to 30th March 2020

Batch 3: 1st April 2020 to 31st May 2020

Total Duration: - 30 Hours

Time Table


	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2 / Batch 3	L1 (9:00- 09:50 AM)		L1 (9:00-09:50 AM)		L1 (9:00- 09:50 AM)		L1 (10:00-10:50 AM)

Note: - Holiday as per academic calendar

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	110
Batch 2	120	116
Batch 3	120	108
Total	334	

Note: Only students who have more than 75 % attendance are allowed to take certificate.


Course Co-ordinator


Principal
College of Commerce, Arts & Science, Patna
Principal

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA

CERTIFICATE IN VEDIC MATHEMATICS

THIS IS TO CERTIFY THAT

ANANYA ANAND

Of

Department of Hindi..... College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in "Vedic Mathematics" of 30

hours duration conducted by College of Commerce, Arts and Science, Patna,

for the period 01/10/2019 to 30/11/2019.


Dr. Shambhu Sharan

Course Co-Ordinator

Cert. No.: VM/CC/001




Prof. Tapan Kumar Shandilya

Principal

College of Commerce, Arts & Science, Patna
Principal



COLLEGE OF COMMERCE, ARTS & SCIENCE PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Energy and Sustainability

Mode of Learning: - Hybrid

Online: Google Meet

Offline Class Room: Physics Department Smart Lecture Hall

Academic Session: - 2019-2020 (Total Batch Conducted: - 2)

Batch 1: 1st August 2019 to 30th November 2019

Batch 2: 15th January 2020 to 15th May 2020

Total Week: - 16 Weeks (40 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1/ Batch 2		L1 (9:00- 09:50 AM) BCR					L1 (10:00-10:50 AM) KPY (11:00- 11:50 AM) BCR

Note: - Holiday as per academic calendar

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	114
Batch 2	120	110
Total	224	224

Note : Only students who have more than 75 % attendance are allowed to take certificate.

Course Co-ordinator

Principal
College of Commerce, Arts & Science, Patna

Principal

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

RAHUL KUMAR

Of

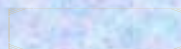
Department of Physics, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “**Energy and Sustainability**” of 40 hours duration conducted by Department of Physics during the period 1st August, 2019 to 30th November, 2019.



Dr. B.C. Rai
Course Co-Ordinator

Principal
COCAS, PATNA





**COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)**



Academic Session: - 2019-2020

Course Completion Report

Title of the course: - Certificate Course in Nanotechnology

Mode of Learning: - Offline Class Room: Physics Department

Batch 1: 08.07.2019 to 23.08.2019

Batch 2: 04.11.2019 to 21.12.2019

Total Duration: - 32 Hours

2 theory classes per week each of 1hour 30 minutes and one practical class of 2 hours per week.

Holidays as per Institutional rules.

Time Table

Classes from 9 AM to 10.30 AM on Tuesday and Friday, Practical classes from 12.00 PM to 02.00 PM on Saturday.

Note: - Holiday as per academic calendar

Total Student Enrolled: - 2019-2020

	Enrolled Students	Passed Students
Batch 1	60	57
Batch 2	60	55
	Total	112

Note: Only students who have more than 75% attendance are allowed to take certificate.

Resource Persons:

Dr. Santosh Kumar

Dr. B. C. Rai

Dept of Physics, COCAS, Patna


Course Co-ordinator


Principal
College of Commerce, Arts & Science
Patna- 800020
Principal

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

Certificate Of Completion



THIS CERTIFICATE IS PRESENTED TO

Piyush Vishwakarma

OF

DEPT OF Accounts group..... COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA
FOR SUCCESSFULLY COMPLETING 32 HOURS CERTIFICATE COURSE IN NANOTECHNOLOGY IN
THE PERIOD 08/07/2019 to 23/08/2019.....

Dr. Santosh Kumar

Dr. Santosh Kumar
Co-ordinator

Prof. Tapan Kumar Shandilya
Principal

~~College of Commerce, Arts & Science, Patna~~
Prof. Tapan Kumar Shandilya
Principal



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Fundamentals of Disaster Management

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department, Smart Lecture Hall and Skill Development Centre, Smart Classroom

Academic Year: - 2019-2020 (Total Batches Conducted: 2)

Batch 1: 2nd September 2019 to 29th November 2019

Batch 2: 3rd January 2020 to 29th March 2020

Total Week: - 12 Weeks (36 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2		9-10 AM (Offline)		9-10 AM (Offline)			11:15 AM-12:15 PM (Online)

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	150	138
Batch 2	150	141
Total	279	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.

Course Co-Ordinator

Principal

Principal
College of Commerce, Arts & Science
Patna-800020

Cert. No.: 01/001

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



THIS IS TO CERTIFY THAT

Bicky kumar

of

Dept. of Psychology

College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in "Fundamental of Disaster Management" of 36 hours duration conducted by Dept of Economics, College of Commerce, Arts & Science, Patna during the period 02/09/2019 to 29/11/2019.

Prof (Dr) Rashmi Akhoury
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal

Principal

College of Commerce, Arts & Science, Patna



COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Applied Financial Literacy & Banking

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department, Smart Lecture Hall and Skill Development Centre, Smart Classroom

Academic Year: - 2019-2020 (Total Batches Conducted: 3)

Batch 1: 2nd July 2019 to 29th September 2019

Batch 2: 1st October 2019 to 28th December 2019

Batch 3: 2nd March 2020 to 31st May 2020

Total Week: - 12 Weeks (36 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1	9-10 AM		9-10 AM (Offline)				10-11 AM (Online)
/							
Batch 2	(Offline)						
/							
Batch 3							

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	106
Batch 2	120	111
Batch 3	120	103
Total	320	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.

Blay

Course Co-Ordinator

Tu Konda Gya

Principal
College of Commerce, Arts & Science, Patna
Principal

Cert. No. B-1/001



COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

THIS IS TO CERTIFY THAT

Khushboo Kumari

of

Dept. of Botany

College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in "Applied Financial Literacy & Banking" of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during the period 02-07-2019 - 29-09-2019

Dr. Baikunth Roy
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal

Principal
College of Commerce, Arts & Science, Patna

College of Commerce, Arts & Science

Patliputra University

Organized by

Department of Zoology

REPORT OF CERTIFICATE COURSE ON “FOUNDATION OF YOG”

The Department of Zoology under the aegis of IQAC organized 32 hours CERTIFICATE COURSE IN “**FOUNDATION OF YOG**” from 3rd February 2020 to 21st February 2020 for the students. The classes were conducted six days a week (Monday to Saturday) from 7:00 am to 9:00 am in the college premises. The certificate course explored the fundamental concepts of mainstream yoga and its philosophical foundation. The course dealt with both theoretical and practical aspects of yoga. This certificate course in yoga was built for beginners who were willing to develop a career in yoga as yoga instructor. Another goal of the course was the implementation of the philosophy of yoga in everyday life.

In this yoga course total 120 students (first come first serve basis) participated from different departments of the college. **Arti Pathik**, Founder of Pathik Yogasana Academy, Boring Canal Road, Patna was the resource person. After the completion of the course, theory and practical examination was held on 21st February 2020. Those who had secured minimum 90% attendance were eligible for appearing in the examination. Out of 120 students 114 appeared in the examination. Among them “A” grade was awarded to 86 students and “B” grade awarded to 28 students.



Cert. No. ...001.....

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



CERTIFICATE OF COMPLETION



THIS IS TO CERTIFY THAT

Sushmita Raj

Of

Dept. of Biotechnology....., College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “**FOUNDATION OF YOG**” of 32 hours duration conducted by Department of Zoology during the period ...*8/02/2020 - 21/02/2020*.....

Rashmi
Dr. Rashmi Kumari
Course Co-Ordinator

The Principal
Principal
COCAS, PATNA

Principal
College of Commerce, Arts & Science, Patna

Course Completion Report: – Academic Year 2019-20

Course Name: - Personality Development

Duration: 45 Hours

Batch I- 06.09.2019 to 09.10.2019

Batch II- 10.03.2020 to 11.04.2020

In this era of rapid technological advancement, a need is felt for quicker adaptation of the human mind to the environment. Human personality is the core of all thought processes, as a learning institution, it is the moral obligation of the institution to groom students' personalities. The conception of this aim was realized by running “Value Added” courses apart from regular academic courses. This is an applied course that has more of a learning practical skill.

This course admitted 120 students in each batch, a total of 240 on “First Come, First Serve”, and all bonafide students of the college were eligible for admission. The course curriculum encompasses both theoretical and practical aspects of personality development. The theoretical classes were conducted in offline mode. They were familiarized with various personality tests and their utility in the assessment of personality. Practical sessions were conducted for various soft skills training. Students were encouraged to presentation of their learned skills of course. The resource persons were chosen from internal and external sources. Internal resource persons were Prof. Dinesh Kumar, Ms. Sanyukta, and external resource persons were Dr. Pranay Gupta, Dr. Ravi Ranjan, Dr. Sikandar Jamil, who conducted the course.

The class timing is 04.00 PM to 05.30 PM per day and 10 AM to 12 PM on Sunday. After the completion of the course, the students were subjected an objective written test and viva voice examination for the award of the certificate. The minimum attendance of 70 percent of the total classes held was added as a rider clause. 21 students left the course before completion and the remaining 219 (Batch I=112 and Batch II= 107) students successfully completed the course.



Course Co-Ordinator



Principal
College of Commerce, Arts & Science, Patna

COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA

CERTIFICATE OF COMPLETION

This is to certify that

Soni Kumari

dept. of Accounts Group, College of Commerce,
Arts & Science, Patna has successfully completed the 45
hours certificate course in Personality Development in the
period 06.09.2019 to 09.10.2019



Dr. Vandana Maurya
Co-Ordinator



Prof. Tapan Kumar Shandilya
Principal
College of Commerce, Arts & Science, Patna

Cert. No.: COCPD/ B1/001



COLLEGE OF COMMERCE, ARTS & SCIENCE PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Foundations of Gender Studies

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department, Smart Lecture Hall and Skill Development Centre, Smart Classroom

Academic Year: - 2019-2020 (Total Batches Conducted: 2)

Batch 1: 1st September 2019 to 28th November 2019

Batch 2: 2nd January 2020 to 31st March 2020

Total Week: - 12 Weeks (36 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2	9-10 AM (Offline)		9-10 AM (Offline)				10-11 AM (Online)

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	150	141
Batch 2	150	139
Total	270	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.



Course Co-Ordinator



Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



THIS IS TO CERTIFY THAT

AMISHA KUJUR

..... Dept. of Accounts of
....., College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in "Foundations of Gender Studies" of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during the period 01.09.2019 to 28.11.2019

Prof (Dr) Rashmi Akhoury
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal

Cert. No. B1/A01

Principal
College of Commerce, Arts & Science, Patna



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)

Academic Session: - 2019-2020



Course Completion Report

Title of the Course: - Certificate Course in Communicative English

Mode of Learning: - Hybrid

Class Room: Department of English

Batch 1: 01.11.2019 to 22.12.2019

Batch 2: 12.02.2020 to 30.03.2020

Course Duration: 32 Hours

3 theory classes per week each of 1 hour 20 minutes and one group discussion class of 2 hours per week. Almost 6 weeks including assessment period. 18 theory classes and 4 group discussion classes.

Holidays as per Institutional rules.

Time Table

Classes from 08.40 AM to 10.00 AM on Monday, Wednesday and Friday; Group Discussion classes from 04.00 PM to 06.00 PM on Saturday.

Total Student Enrolled: - 200

	Enrolled Students	Passed Students
Batch 1	100	89
Batch 2	100	93
Total		182

Note: Only students who have more than 75 % attendance are allowed to take certificate.

Resource Persons:

1. Dr. Rajendra Prasad
2. Dr. Syed Afroz Ashrafi

Course Co-ordinator

Principal

Principal
College of Commerce, Arts & Science, Patna

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



This is certified that

SUNITA KUMARI

Dept. of Botany, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in "**Communicative English**"
conducted by Dept. Of English, College of Commerce, Arts and Science, Patna during
01/11/2018 to 22/12//2018

Prof. Saloni Prasad
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal

College of Commerce, Arts & Science

PATNA

Organized by

Department of Physics, COCAS, Patna

REPORT ON CERTIFICATE COURSE IN “WEB DESIGN”

Academic Session: - 2018-2019

The Department of Physics, College of Commerce, Arts & Science, Patna organized 32 hours *CERTIFICATE COURSE IN WEB DESIGN* from September, 2018 for the students of the college. In every week there are 02 theory classes of 1.5 hours and one practical class of 1 hour from 04.00 PM to 05.30 PM and 04.00 PM to 05.00 PM respectively for 8 weeks in online mode. The total duration of the course is 32 hours. The course is designed to give some idea to beginner and intermediate students about basic web designing. This comprehensive, easy-to-understand course will teach learners the fundamentals of web develop and techniques. This course will provide full understanding of key concepts that are commonly used in web pages, including the meaning of inheritance, cascade, pseudo classes elements and selectors. The course then guides you through the use of font, background styles and style sheets.

The resource person of the course is Mrs. Anita Sagar, Assistant Professor, Dept of Physics, COCAS, Patna and Mr. Himanshu Kumar, Faculty, MCA Dept, COCAS, Patna. After completion of classes students were evaluated by their attendance and performance in test. Candidates with 75 % presence were allowed to take test for certificate.

Admission was taken in first come first basis. In 2018-19 session three batches were conducted.

The courses conducted till now are reported below:

Batch 1: 04.09.2018 to 20.11.2018. Total 120 Students participated from different departments and 116 completed the course successfully.

Batch 2: 21.01.2019 to 12.03.2019, Total 120 Students participated from different departments and 112 completed the course successfully.

Batch 3: 08.04.2019 to 08.06.2019. Total 120 Students participated from different departments and 110 completed the course successfully.

Agar

Signature of Co-ordinator:

Tu Kanda

Signature of Principal:

Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA



CERTIFICATE COURSE IN WEB DESIGN



THIS IS TO CERTIFY THAT

SHIMPI KUMARI

Of

Dept. of Chemistry, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “**WEB DESIGN**” of 32 hours duration conducted by
College of Commerce, Arts and Science, Patna during the period 04.09.2018 to 20.11.2018

Anita Sagar

Anita Sagar
Course Co-Ordinator

Prof. Tapan Kumar Shandilya

Prof. Tapan Kumar Shandilya
Principal



**COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)**



Course Completion Report

Title of the course: - Fundamentals of Disaster Management

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department, Smart Lecture Hall and Skill Development Centre, Smart Classroom

Academic Year: - 2018-2019 (Total Batches Conducted: 2)

Batch 1: 1st September 2018 to 28th November 2018

Batch 2: 2nd January 2019 to 31st March 2019

Total Week: - 12 Weeks (36 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	9-10 AM (Offline)		9-10 AM (Offline)				10-11 AM (Online)

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	150	143
Batch 2	150	140
Total	283	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.

Course Co-Ordinator

Principal
College of Commerce, Arts & Science
Patna- 800020
Principal

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

Cert. No.: 8-1 | 001.



THIS IS TO CERTIFY THAT

Nandan Kumar

of

Dept. of Geography, College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in "Fundamental of Disaster Management" of 36 hours duration conducted by Dept of Economics, College of Commerce, Arts & Science, Patna during the period 01/09/2018 to 28/11/2018.

Prof (Dr) Rashmi Akhoury
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal
College of Commerce, Arts & Science, Patna



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)



Academic Session: - 2018-2019

REPORT ON CERTIFICATE COURSE IN “VIDEO EDITING”

College of Commerce, Arts & Science, Patna organized 33 hours CERTIFICATE COURSE IN “**Video Editing**” from 19th November, 2018 for the students of the college. The classes were conducted daily 01:30 hours (4 Days in one week) from 03:50 PM to 05:20 PM for almost 6 weeks in hybrid mode mainly online classes and offline practical classes. The total duration of the course is 33 hours. The objective of the Certificate course in **Video Editing** is to develop the knowledge & skill of Video Editing Techniques in Motion Picture Photography. Students will understand the working procedure of the Editing techniques for Motion Picture Photography (Videography) and can function either as an entrepreneur or can take up jobs in the industry. We have tried to engage students in practical classes and made visit to nearby editing laboratory.

The course was mentored by Mr. Rakesh Kumar, attached to Rakesh Kumar Photography, Patna. After completion of classes students were evaluated by their attendance and performance in learning. Candidates with 75 % presence were allowed to take assessment for certificate.

The courses conducted till now are reported below:

Batch 1: 19.11.2018 to 29.12.2018. Assessment Date: 31.12.2018. Total 60 Students participated from different departments and 58 Completed the course successfully.

Batch 2: 11.02.2019 to 26.03.2019. Assessment Date: 29.03.2019. Total 60 Students participated from different departments and 56 Completed the course successfully.

Batch 3: 22.04.2019 to 30.05.2019. Assessment Date: 04.06.2019. Total 60 Students participated from different departments and 59 Completed the course successfully.

Signature of Co-Ordinator:

Signature of Principal:

Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



THIS IS TO CERTIFY THAT
MUKUL KUMAR

Of

Dept. of Mathematics, College of Commerce, Arts and Science, Patna

has successfully completed the 33 hours certificate course in “*Video Editing*” conducted by
College of Commerce, Arts and Science, Patna during the period 19.11.2018 to 29.12.2018

Dr. K. P. Yadav
Course Co-Ordinator

Prof. Tapan Shandilya
Principal



**COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University, Patna)**



Course Completion Report

Title of the course: - Fundamentals of Environmental Economics

Mode of Learning: - Hybrid

Online: Google Meet

Physical Mode: Mostly at Economics Department Smart Lecture Hall and Skill Development Centre Lecture Hall

Academic Year: - 2018-2019 (Total Batches Conducted: 3)

Batch 1: 2nd July 2018 to 29th September 2018

Batch 2: 1st October 2018 to 28th December 2018

Batch 3: 1st March 2019 to 30th May 2019

Total Week: - 12 Weeks (36 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1 / Batch 2 / Batch 3		9-10 AM (Offline)			9-10 AM (Offline)		11:15 AM-12:15 PM (Online)

Note 1: - Holidays as per academic calendar.

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	109
Batch 2	120	113
Batch 3	119	106
Total	328	

Note 2: Course completion certificate was issued to only those students who had 75% attendance and qualified the final examination.

Beoy

Course Co-Ordinator

Tu Kanda 7a

Principal
College of Commerce, Arts & Science
Patna- 800020

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

Cert. No. B1/001



THIS IS TO CERTIFY THAT

ANJALI KUMARI

of

COMMERCE DEPARTMENT....., College of Commerce, Arts & Science, Patna

has successfully completed the certificate course in "Fundamentals of Environmental Economics" of 36 hours duration conducted by Department of Economics, College of Commerce, Arts & Science, Patna during the period 02-07-2018 to 29-09-2018.

BK
Dr. Balkunth Roy
Course Co-Ordinator

M. S. Shandilya
Prof. Tapan Kumar Shandilya
Principal
Principal
College of Commerce, Arts & Science, Patna



**COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20**
(A Constituent Unit of Patliputra University, Patna)



Course Completion Report

Title of the course: - Energy and Sustainability

Mode of Learning: - Hybrid

Online: Google Meet

Offline Class Room: Physics Department Smart Lecture Hall

Academic Session: - 2018-2019 (Total Batch Conducted: - 2)

Batch 1: 1st August 2018 to 30th November 2018

Batch 2: 15th January 2019 to 15th May 2019

Total Week: - 16 Weeks (40 Hours)

Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Batch 1/ Batch 2			L1 (9:00-09:50 AM) KPY (Offline)				L1 (10:00-10:50 AM) KPY (11:00- 11: 50 AM) BCR (Online)

Note: - Holiday as per academic calendar

Total Student Enrolled: -

	Enrolled Students	Passed Students
Batch 1	120	115
Batch 2	120	99
	Total	214

Note: Only students who have more than 75 % attendance are allowed to take certificate.

Course Co-ordinator

Principal
College of Commerce, Arts & Science, Patna
Principal

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

ASHISH RANJAN

Of

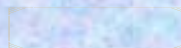
Department of Business Management, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in “**Energy and Sustainability**” of 40 hours duration conducted by Department of Physics during the period 1st August, 2018 to 30th November, 2018.



Dr. B.C. Rai
Course Co-Ordinator

Principal
COCAS, PATNA





COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA-20
(A Constituent Unit of Patliputra University,
Patna)



Academic Session: - 2018-2019

Course Completion Report

Title of the course: - Certificate Course in Nanotechnology

Mode of Learning: - Offline Class Room: Physics Department

Batch 1: 22.10.2018 to 22.12.2018

Batch 2: 14.01.2019 to 28.02.2019

Batch 3: 08.04.2019 to 24.05.2019

Total Duration of Course: 32 hours

2 theory classes per week each of 1 hour 30 minutes and one practical class of 2 hours per week.

Holidays as per Institutional rules.

Time Table

Classes from 08.30 AM to 10.00 AM on Tuesday and Friday, Practical classes from 12.00 PM to 02.00 PM on Sunday.

Note: - Holiday as per academic calendar

Total Student Enrolled: - 2018-2019

	Enrolled Students	Passed Students
Batch 1	60	52
Batch 2	60	54
Batch 3	60	55
	Total	161

Note: Only students who have more than 75% attendance been allowed to take certificate.

Resource Persons:

Dr. Santosh Kumar and Dr. B. C. Rai, Dept of Physics, COCAS, Patna

Course Co-ordinator

Principal
Principal
College of Commerce, Arts & Science
Patna-800020

COLLEGE OF COMMERCE, ARTS & SCIENCE, PATNA

Certificate Of Completion



THIS CERTIFICATE IS PRESENTED TO

Manjesh Kumar

DEPT OF Geography OF COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA
FOR SUCCESSFULLY COMPLETING 32 HOURS CERTIFICATE COURSE IN NANOTECHNOLOGY IN
THE PERIOD 22-10-2018 to 22-12-18

Santosh

Dr. Santosh Kumar
Co-ordinator

Tapan Kumar Shandilya
Principal

College of Commerce, Arts & Science, Patna
Prof. Tapan Kumar Shandilya
Principal

Course Completion Report: – Academic Year 2018-19

Course Name: - Personality Development

Duration: 45 Hours

Batch I- 10.09.2018 to 13.10.2018

Batch II- 12.03.2019 to 13.04.2019

In this era of rapid technological advancement, a need is felt for quicker adaptation of the human mind to the environment. Human personality is the core of all thought processes, as a learning institution, it is the moral obligation of the institution to groom students' personalities. The conception of this aim was realized by running “Value Added” courses apart from regular academic courses. This is an applied course that has more of a learning practical skill.

This course admitted 120 students in each batch, a total of 240 on “First Come, First Serve”, and all bonafide students of the college were eligible for admission. The course curriculum encompasses both theoretical and practical aspects of personality development. The theoretical classes were conducted in offline mode. They were familiarized with various personality tests and their utility in the assessment of personality. Practical sessions were conducted for various soft skills training. Students were encouraged to presentation of their learned skills of course. The resource persons were chosen from internal and external sources. Internal resource persons were Prof. Dinesh Kumar, Ms. Sanyukta, and external resource persons were Dr. Pranay Gupta, Dr. Ravi Ranjan, Dr. Sikandar Jamil , who conducted the course.

The class timing is 04.00 PM to 05.30 PM per day and 10 AM to 12 PM on Sunday. After the completion of the course, the students were subjected an objective written test and viva voice examination for the award of the certificate. The minimum attendance of 70 percent of the total classes held was added as a rider clause. 12 students left the course before completion and the remaining 228 (Batch I = 111 and Batch II = 117) students successfully completed the course.



Course Co-Ordinator



Principal

Principal
College of Commerce, Arts & Science, Patna

COLLEGE OF COMMERCE, ARTS & SCIENCE
PATNA

CERTIFICATE OF COMPLETION

This is to certify that

..... Vikram Kumar

..... Dept. of English, College of Commerce,

Arts & Science, Patna has successfully completed the 45
hours certificate course in Personality Development in the
period 10/09/2018 - 13/10/2018



Dr. Vandana Maurya
Co-Ordinator



Prof. Tapan Kumar Shandilya
Principal

Principal

College of Commerce, Arts & Science, Patna

Cert. No.: COCPD/ 81/001



COLLEGE OF COMMERCE, ARTS & SCIENCE

PATNA-20

(A Constituent Unit of Patliputra University, Patna)

Academic Session: - 2018-2019



Course Completion Report

Title of the Course: - Certificate Course in Communicative English

Mode of Learning: - Offline

Class Room: Department of English

Batch 1: 01.11.2018 to 22.12.2018

Batch 2: 12.02.2019 to 30.03.2019

Course Duration: 32 Hours

3 theory classes per week each of 1hour 20 minutes and one group discussion class of 2 hours per week. Almost 6 weeks including assessment period. 18 theory classes and 4 group discussion classes.

Holidays as per Institutional rules.

Time Table

Classes from 08.40 AM to 10.00 AM on Monday, Wednesday and Friday; Group Discussion classes from 04.00 PM to 06.00 PM on Saturday.

Total Student Enrolled: - 200

	Enrolled Students	Passed Students
Batch 1	100	96
Batch 2	100	92
Total		188

Note: Only students who have more than 75 % attendance are allowed to take certificate.

Resource Persons:

1. Dr. Rajendra Prasad
2. Dr. Syed Afroz Ashrafi

Course Co-ordinator

Principal
College of Commerce, Arts & Science
Patna-800020
Principal

COLLEGE OF COMMERCE, ARTS AND SCIENCE, PATNA



This is certified that

SUNITA KUMARI

Dept. of Botany, College of Commerce, Arts and Science, Patna

has successfully completed the certificate course in "**Communicative English**"
conducted by Dept. Of English, College of Commerce, Arts and Science, Patna during
01/11/2018 to 22/12//2018

Prof. Saloni Prasad
Course Co-Ordinator

Prof. Tapan Kumar Shandilya
Principal