



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya
Nagpur**

Key Indicator 1.2

Academic Flexibility

Criteria 1 Curricular Aspects

NAAC Reaccredited



B+ Grade
(3rd cycle)

Affiliation



**Rashtrasant Tukadoji
Maharaj Nagpur University**

National ID



AISHE
All India Survey on Higher Education

<https://www.drbsmvnagpur.ac.in>



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya
Nagpur**

1.2.1. Number of Certificate/Value added courses offered and online course of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed during the last five years.

Criteria 1 Curricular Aspects

NAAC Reaccredited



B+ Grade
(3rd cycle)

Affiliation



**Rashtrasant Tukadoji
Maharaj Nagpur University**

National ID



AISHE
All India Survey on Higher Education

<https://www.drbsmvnagpur.ac.in>



Dada Ramchand Bakhru Sindhu Mahavidyalaya Nagpur

Declaration

This is to declare that the information, reports, true copies and numerical data, etc. furnished in this file as supporting documents are verified and found correct.




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

NAAC Reaccredited



B+ Grade
(3rd cycle)

Affiliation



Rashtrasant Tukadoji
Maharaj Nagpur University

National ID



सत्यमेव जयते
AISHE

All India Survey on Higher Education

<https://www.drbsmvnagpur.ac.in>



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



Certificate Courses (2018 – 2023)

Sr No	Certificate Course	Name of Coordinator	Started in Session	Current Status
1	Vermiculture	Dr Zeenat Kashmiri	2017-18	Present
2	Solar Power and Appliances	Dr Arti Golhar and Dr Avish Patil	2018-19	Present
3	Immunology and Clinical Biochemistry	Dr Rahul Meshram	2018-19	Present
4	Basic Molecular Biology Techniques	Dr Sharada Bhagchandani	2018-19	Present
5	Computerized Accounting with Tally	Dr Anand Thadani Dr Mukesh Kaushik	2018-19	Present
6	Certificate Course in Insurance	Dr M L Wanjari Dr Reema Kamlani	2020-21	Present
7.	German Language	Dr Trupti Sakhare	2018-19	Present
8.	Basics of Income Tax	Dr Richa Kalyani	2018-19	Present
9	Basics of GST	Dr S V Tewani and Dr Amit Nanwani	2020-21	Present
10	Personality Development and Communication Skills	Dr Jayant Walke	2017-18	Present
11	Bee Keeping	Dr Pinky Sonarghare	2018-19	Present
12	Biofertilizer Production	Dr Sujata Mankar	2018-19	Present
13	Numerical Skill Development for Competitive Examination	Dr A A Quireshi Dr Rupali wanjari	2018-19	Present
14	Anuwad Vyasaya Prashikshan Pathyakram	Dr Sapna Tiwari	2018-19	Present
15	Enzymology and its Industrial Applications	Dr Damini Motwani	2020-21	Present
16	Mutual Fund	Dr Pranay Wankhede	2020-21	Present
17	Event Management	Dr Pranay Wankhede	2020-21	Present
18	Banking	Ms Poorvi Tiwari	2020-21	Present
19	M Commerce and Online Transaction	Dr G G Rughwani Dr Bhavna Choudhary	2020-21	Present




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

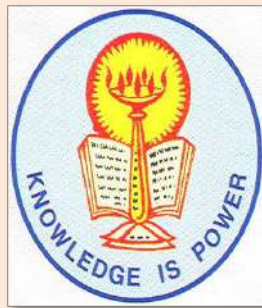
A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



20	Hydroponics	Dr Megha Bhambari	2020-21	Present
21	Food Safety and Quality Management	Dr Anita Chandak	2020-21	Present
22	Water Quality Test and Analysis	Dr Mangesh Thakre	2018-19	2021-22
23	Floriculture	Dr Sandeep Hate	2018-19	2020-21
24	Office Automation	Rakesh Gedam	2018-19	2021-22
25	Fundamental Training for Competitive Examination	Dr Mahajan	2020-21	2021-22
26	Tally with GST	Dr Pravin Kamthe	2020-21	2021-22




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur



Department of Zoology

Certificate Course in Vermiculture

Learning Objectives of the Course

- To introduce career and market oriented skill enhancing for job, self-employment and student's employment
- To focus on quality and excellence
- Knowledge, skill and attitude for gainful employment in the wage sector in general and self-employment in particular.
- To make the current Indian higher education system more relevant and career oriented with
- At the end of the course the students will be equipped with a certificate in add on orientation with a conventional degree of Science or commerce.



Benefits of vermicompost

Vermicompost is a nutrient rich compost which:

- helps better plant growth and crop yield
- improves physical structure of soil.
- enriches soil with micro-organisms
- attracts deep-burrowing earthworms already present in the soil which, indirectly improves fertility of soil.
- increase water holding capacity of soil.
- enhances germination, plant growth, and crop yield.
- improves root growth of plants.
- enriches soil with plant hormones such as auxins and gibberellic acid.
- it is helpful in elimination of biowastes .

Coordinator
Dr. (Mrs.) Z. N. Kashmiri
Associate Professor
Department of Zoology

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

CERTIFICATE COURSE IN VERMICULTURE

Department of Zoology,

Syllabus

Unit I:

- **Introduction to vermiculture and vermicompost**
- **Systemic position, habit and habitat of earthworm**
- **External feature: shape , size, colouration and distribution of earthworm -**
- **Body segmentation**
- **Species of earthworm used in vermiculture**

Unit II:

- 2.1 Food and feeding habit of earthworm**
- 2.2 Digestive system of earthworm**
- 2.3 Reproduction in earthworm**
- 2.4 Cacoon formation of earthworm**
- 2.5 Respiration in earthworm**

Unit III:

- 3.1 Earthworm for animal feeds**
- 3.2 Casting of earthworm as bio-fertilizer**
- 3.3 Requirement of Vermiculture**
- 3.4 Material used in vermiculture**
- 3.5 Cattle dung, plant product**

Unit IV:

- 4.1. Preliminary treatment of composting material**
- 4.2 Vermicomposting material storage**
- 4.3 Preparation of vermiculture bed**
- 4.4 maintenance of vermiculture bed**
- 4.5 Natural enemies and their control**

Unit V:

- 5.1 composition of vermicompost and worms**
- 5.2 Harvesting of vermicompost and worms**
- 5.3 Marketing of vermicompost and worms**
- 5.4 marketing of seed worms**
- 5.5 Role of vermicompost as fertilizer in Agriculture**

Practical:

- **Study of external characters of earthworm**
- **Study of different species of earthworm**
- **Study of vermicompost Pit**
- **Preparation of vermiculture bed**
- **Study of different vermicomposting material**
- **Diagramatic study of lifecycle of earthworm**
- **Permanent micro-preparation of setae, septal nephedia, spermatheca**
- **Dissection of alimentary canal of earthworm**
- **Histological study of gizzard, testis, ovary, spermatheca**
- **Visit to different vermiculture centres**



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Certificate Course in Vermiculture



Session 2022-23

Notice

All the students of the "Certificate Course in Vermiculture" are hereby informed that the classes for the course will start from 12/09/2022 in Zoology Lab. Attendance is mandatory.

ZN Kashmiri
Coordinator

Dr. Zeenat Kashmiri



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Certificate Course in Vermiculture



Session 2022-23

Time Table

Day	Time	Name of the Teacher
Monday	10.00 am to 11.00 am	Dr. M. M. Shinkhede
Tuesday	10.00 am to 11.00 am	Dr. Z. N. Kashmiri
Wednesday	10.00 am to 11.00 am	Dr. Y. V. Bhute
Thursday	10.00 am to 11.00 am	Dr. P.C. Sonarghare
Friday	10.00 am to 11.00 am	Dr. K.R. Apkaje
Saturday	10.00 am to 11.00 am	Dr. Ragini Marganwar

Z. N. Kashmiri
Coordinator

Dr. Zeenat Kashmiri



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Certificate Course in Vermiculture



Syllabus Distribution

Session 2022-23

Following is the distribution of the syllabus for the Certificate course in Vermiculture.

Sr. No.	Teacher	Theory/Practical
1	Dr. M. M. Shinkhede	Unit I Practical 1,2
2	Dr. Z. N. Kashmiri	Unit I Practical 3,4
3	Dr. Y. V. Bhute	Unit IV Practical 5,6
4	Dr. P.C. Sonarghare	Unit III Practical 7
5	Dr. K.R. Apkaje	Unit II Practical 8
6	Dr. Ragini Marganwar	Unit V Practical 9

Zeenat Kashmiri
Coordinator

Dr. Zeenat Kashmiri



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Certificate Course in Vermiculture



Session 2021-22

Notice

All the students of the "Certificate Course in Vermiculture" are hereby informed that the classes for the course will start from 01/02/2022 in Zoology Lab. Attendance is mandatory.

ZNKashmiri
Coordinator

Dr. Zeenat Kashmiri



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Certificate Course in Vermiculture



Session 2021-22

Time Table and Syllabus Distribution

w. e. f. 01/02/2022

Day	Time	Name of the Teacher	Syllabus Distribution (Theory/Practical)
Monday	2.00 pm to 3.00 pm	Dr. M. M. Shinkhede	Theory -Unit I Practical -1,2
Tuesday	2.00 pm to 3.00 pm	Dr. (Mrs.)Z. N. Kashmiri	Theory- Unit I Practical- 3,4
Wednesday	2.00 pm to 3.00 pm	Dr. Y. V. Bhute	Theory- Unit IV Practical- 5,6
Thursday	2.00 pm to 3.00 pm	Dr.(Ms.) P.C. Sonarghare	Theory -Unit III Practical- 7
Friday	2.00 pm to 3.00 pm	Dr.(Ms.) K.R. Apkaje	Theory -Unit II Practical -8
Saturday	2.00 pm to 3.00 pm	Dr.(Ms.) R. K. Marganwar	Theory -Unit -V Practical 9

Z. Kashmiri
Coordinator

Dr. Zeenat Kashmiri



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Certificate Course in Vermiculture



Session 2020-21

Notice

All the students of the "Certificate Course in Vermiculture" are hereby informed that the classes for the course will be started from 01/02/2021 in Zoology Lab. Attendance is mandatory.


Coordinator

Dr. Zeenat Kashmiri



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Certificate Course in Vermiculture



Session 2020-21

Time Table and Syllabus Distribution

w. e. f. 01/02/2021

Day	Time	Name of the Teacher	Syllabus Distribution (Theory/Practical)
Monday	2.00 pm to 3.00 pm	Dr. M. M. Shinkhede	Theory -Unit I Practical -1,2
Tuesday	2.00 pm to 3.00 pm	Dr. (Mrs.)Z. N. Kashmiri	Theory- Unit I Practical- 3,4
Wednesday	2.00 pm to 3.00 pm	Dr. Y. V. Bhute	Theory- Unit IV Practical- 5,6
Thursday	2.00 pm to 3.00 pm	Dr.(Ms.) P.C. Sonarghare	Theory -Unit III Practical- 7
Friday	2.00 pm to 3.00 pm	Dr.(Ms.) K.R. Apkaje	Theory -Unit II Practical -8
Saturday	2.00 pm to 3.00 pm	Dr.(Ms.) R. K. Marganwar	Theory -Unit -V Practical 9

Z. Kashmiri
Coordinator

Dr. Zeenat Kashmiri

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Session 2019-20

Notice

All the students of the "Certificate Course in Vermiculture" are hereby informed that the classes for the course will be started from 17/08/2019 in Zoology Lab. Attendance is mandatory.


Coordinator

Dr. Zeenat Kashmiri

Department of Zoology

Session 2019-20

Time Table

Day	Time	Name of the Teacher
Monday	2.00 pm to 3.00 pm	Dr. M. M. Shinkhede
Tuesday	2.00 pm to 3.00 pm	Dr. Z. N. Kashmiri
Wednesday	2.00 pm to 3.00 pm	Dr. Y. V. Bhute
Thursday	2.00 pm to 3.00 pm	Dr. P.C. Sonarghare
Friday	2.00 pm to 3.00 pm	Dr. M. M. Shinkhede
Saturday	2.00 pm to 3.00 pm	Dr. Z. N. Kashmiri

ZN Kashmiri

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Department of Zoology

Session 2018-19

Notice

All the students of the "Certificate Course in Vermiculture" are hereby informed that the classes for the course will be started on 18 August 2018.


Coordinator

Dr. Zeenat Kashmiri

Department of Zoology

Session 2018-19

Time Table

Day	Time	Name of the Teacher
Monday	2.00 pm to 3.00 pm	Dr. M. M. Shinkhede
Tuesday	2.00 pm to 3.00 pm	Dr. Z. N. Kashmiri
Wednesday	2.00 pm to 3.00 pm	Dr. Y. V. Bhute
Thursday	2.00 pm to 3.00 pm	Dr. P.C. Sonarghare
Friday	2.00 pm to 3.00 pm	Dr. M. M. Shinkhede
Saturday	2.00 pm to 3.00 pm	Dr. Z. N. Kashmiri


Coordinator

Dr. Zeenat Kashmiri



Dada Ramchand Bakhru



Sindhu Mahavidyalaya Panchpaoli NAGPUR

Certificate Course in Solar Power And Appliances

DEPARTMENT OF PHYSICS

SESSION 2023-2024

Brochure

Objective:-

This is a skill oriented course in the study of solar photovoltaic (PV) cells, modules, and system components; electrical circuits; PV system design and sizing for use on homes, commercial building etc., understanding energy conversion from sunlight to electricity, and working with solar conversion equipment. This Course will give students the book knowledge and hands on experience needed to become entrepreneur / self employed.

Eligibility:- B. Sc.Semester I Student of Group (PCM, PCoM & PEM)

Course Duration:- (Theory + Practical) 30 Hours

Registration Fees: Rs 300 (non-refundable)

Mode of Instruction and Learning : Offline

Job Opportunities:

1. Become entrepreneur / self employed.
2. Design Electrical Engineer – Solar.
3. Area Sales Manager-Solar Thermal & PV Products.
4. Service-in-charge.

Topic covered:

1. Introduction to solar power and appliances
2. Solar radiation
3. Solar Cell
4. Energy storage and Appliances

CERTIFICATE:

All the participant will received certificate after completion of certificate course.

Outcomes:

Upon completion of this course, the student will be able to:

- Demonstrate knowledge of and apply key solar electric system terms and concepts.
- Size and design a photovoltaic system.
- Mount, ground, position, install, wire and connect a photovoltaic system.
- Test voltage generated by photovoltaic system Operate & Maintain of Solar Power.
- Participants will learn different types of solar PV module and batteries used in solar PV plant.
- Design of solar PV Plant based on estimated loads.

Course co-ordinator

Dr. Sudhir Dange

Head

Department of Physics

DRB sindhu Mahavidyalaya

Nagpur

Course instructor

Dr. Avish Patil

Dr. Arti Golhar

Dr. Rajkumar Belekar

Dr. Rajdeep Utane

Dr. Ritesh Kohale

Course instructor

Dr. Vijay Raghorte

Dr. Kalpana Nagle

Dr. Yogesh Wankhede

Mr. Vikas Mishra



Certificate course
In
Solar Power and
Appliances

Conducted by

Department of Physics,
Dada Ramchand Bakhru

Sindhu Mahavidyalaya,

Nagpur: 17

Certificate course in solar Power and Appliances

Course Details

Department conducted the course: Department of Physics

Duration: 45 Hrs (25 hours Theory and 20 hours Practical)

Registration Fee: Rs. 300/- (Per student)

Maximum Capacity: 25 Students/Batch

Co –ordinator: Dr. S.P.Dange

Faculty Members:

1. Dr. P.D. Borkar
 2. Dr. (Mrs.) A.R. Poddar
 3. Dr. S.P.Dange
 4. Dr. (Mrs.) B.S. Anerao
-

Course Description

This course is designed for the Undergraduate students from science discipline and is intended to educate students in the design and applications of solar energy. It will focus on fundamentals of solar energy conversion, photovoltaic and photothermal engineering, optical systems, photo electrochemical cells for hydrogen generation and energy storage and distribution systems. The course covers solar energy insolation and global energy needs, current trends in solar plants and solar cell material science. Design and installation of solar panels for residential and industrial applications and connections to the national grid and cost analysis will be discussed. In addition, basic manufacturing processes for the production of solar panels, environmental impacts, and the related system engineering aspects will be included to provide a comprehensive state-of-the art approach to solar energy utilization.

Introduction

Solar Energy is a vital input for the development and economic growth of a country. The growth for energy sector is critical for socio-economic development particularly for rural areas. In the Indian context, it is a great challenge to provide affordable energy services to the population. At present, 80% of the total villages and 44% of rural households has access to grid electricity. The development of energy systems is also constrained by the depletion of fossil fuel, local environmental impacts, and the problem of global warming and associated climate change. The energy sector is in transition and there is significant need to understand the various energy conversion and efficient utilization process.

Objectives:

1. To outline the basic idea of utilization of solar energy and devices.
2. To developed skilled manpower to meet the challenges in the solar energy sector.

Syllabus:

UNIT-I: Introduction

Types of energy sources, Renewable and Non- Renewable sources of energy with examples. Its utilization, storage and socio-economic aspects and limitations. Various sustainable energy conversion processes: Photovoltaic, Photothermal, Photo electrochemical, Biofuel, Wind power and geothermal systems, Series and Parallel Combination of cell, Basic Ohm's law.

UNIT-II : Solar radiation

Basics of solar energy - Brief History of solar energy utilization - Various approaches of utilizing solar energy. Basic parameters of the Sun - Measurement of the solar constant. Solar thermal conversion: Basics, Flat plate collectors-liquid and air type. Theory of flat plate collectors, selective coating, advanced collectors. Basic of Solar photovoltaic: Principle of photovoltaic conversion of solar energy into electrical energy. Solar cells, Home lighting systems, solar lanterns, Solar PV pumps, solar energy storage options.

UNIT- III: Solar Cells

Solar cells, basic structure and characteristics: Single-crystalline, multi crystalline, thin film silica on solar cells, emerging new technologies, Electrical characteristics of the solar cell, equivalent circuit, modeling of solar cells including the effects of temperature, irradiation and series/shunt resistances on the open-circuit voltage and short-circuit current, Solar cell arrays, PV modules, PV generators, Interfacing PV modules to loads, direct connection of loads to PV modules, connection of PV modules to a battery and load together, Energy storage alternatives for PV systems. Storage batteries, lead-acid, nickel-cadmium, nickel-metal-hydride and lithium type batteries. Small storage systems employing ultra capacitors, charging and discharging properties and modeling of batteries, Stand-alone PV systems. Consumer applications, residential systems, PV water pumping, PV powered lighting, rural electrification, etc.

UNIT- IV: Energy Storage and Appliances

Necessity of storage for solar energy- Chemical energy storage - Thermal energy storage Thermal Flywheels - Compressed air- Rechargeable batteries, Solar lighting, Solar cooking and Solar furnaces etc.

Experiments:

1. To Study on Solar Cell Characteristics
2. Measurements of Solar Radiation.
3. To study on Thermal Storage System
4. To study the flat Plate Solar Water Heater
5. To study the flat Plate Collector with Reflector.
6. To study the parameters of Solar PV Water Pumps
7. To study the parameters of Solar Home Systems

Outcomes:

- To develop the skilled manpower capable to comprehend the challenges in sustainable energy processes, perform cost analysis, design photovoltaic systems for different applications meeting residential and industrial needs, predict and test performances to understand the manufacturing processes involved, environmental challenges that need to be solved, economic aspects and future potentials of solar energy utilization.

• Expenditure:

Sr. No.	Particulars	Amount (Rs.)
1.	Stationary	5,000/-
2.	Guest Lecture Remuneration	5,000/-
3.	Equipments	25,000/-
4.	Faculty Remuneration	3,000/-
5.	Miscellaneous	2,000/-
Total		40,000/-

Equipments Required:

1. Pyrheliometer
2. Pyranometer
3. Manometer
4. Ecosense Solar PV Training Kit
5. Tata-BP Solar Educational Kit
6. Solar Radiation Meters
7. Anemometer
8. Thermocouple
9. Multimeter
10. Voltmeters
11. Solar water heater – 100 LPD

Evaluation:

Evaluation through Online examination.

(Dr. S. P.Dange)
Course Co ordinator
Department of Physics,
Dada Ramchand Bakhru, Sindhu Mahavidyalaya, Nagpur

Dada Ramchand Bakhru, Sindhu Mahavidyalaya, Nagpur
Department of Physics
Certificate Course on "Solar Power and Appliances"

Syllabus

UNIT-I: Introduction

Types of energy sources, Renewable and Non- Renewable sources of energy with examples. Its utilization, storage and socio-economic aspects and limitations. Various sustainable energy conversion processes: Photovoltaic, Photothermal, Photo electrochemical, Biofuel, Wind power and geothermal systems, Series and Parallel Combination of cell, Basic Ohm's law.

UNIT-II : Solar radiation

Basics of solar energy - Brief History of solar energy utilization - Various approaches of utilizing solar energy. Basic parameters of the Sun - Measurement of the solar constant. Solar thermal conversion: Basics, Flat plate collectors-liquid and air type. Theory of flat plate collectors, selective coating, advanced collectors. Basic of Solar photovoltaic: Principle of photovoltaic conversion of solar energy into electrical energy. Solar cells, Home lighting systems, solar lanterns, Solar PV pumps, solar energy storage options.

UNIT- III: Solar Cells

Solar cells, basic structure and characteristics: Single-crystalline, multi crystalline, thin film silica on solar cells, emerging new technologies, Electrical characteristics of the solar cell, equivalent circuit, modeling of solar cells including the effects of temperature, irradiation and series/shunt resistances on the open-circuit voltage and short-circuit current, Solar cell arrays, PV modules, PV generators, Interfacing PV modules to loads, direct connection of loads to PV modules, connection of PV modules to a battery and load together, Energy storage alternatives for PV systems. Storage batteries, lead-acid, nickel-cadmium, nickel-metal-hydride and lithium type batteries. Small storage systems employing ultra capacitors, charging and discharging properties and modeling of batteries, Stand-alone PV systems. Consumer applications, residential systems, PV water pumping, PV powered lighting, rural electrification, etc.

UNIT- IV: Energy Storage and Appliances

Necessity of storage for solar energy- Chemical energy storage - Thermal energy storage Thermal Flywheels - Compressed air- Rechargeable batteries, Solar lighting, Solar cooking and Solar furnaces etc.



DADA RAMCHAND BAKHRU
SINDHU MAHAVIDYALAYA

KAKA TILOKCHAND RUGHWANI MARG, PANCHPOALI,
NAGPUR-440017 (INDIA)

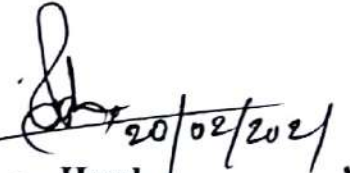
PHONE-0712-2640368, 2642789, FAX-0712-2640368

DEPARTMENT OF PHYSICS

Date: 20/02/2021

NOTICE

All the students of B.Sc. semester 2 of group (PCM/PEM/PCoM) are hereby informed that Department of Physics is going to organize certificate course on "Solar Power and Appliances" from 8th march 2021. Those who are enrolled in above certificate course, please attend course as per given time table.


fa. Head,
Department of Physics




DADA RAMCHAND BAKIRU
SINDHU MAHAVIDYALAYA
KAKA TILOKCHAND RUGHWANI MARG, PANCHPOALI,
NAGPUR-440017 (INDIA)
PHONE-0712-2640368, 2642789, FAX-0712-2640368
DEPARTMENT OF PHYSICS

Date: 20/02/2021

NOTICE

All the students of B.Sc. semester 4 of group (PCM/PEM/PCoM) are hereby informed that Department of Physics is going to organize certificate course on "Solar Power and Appliances" from 8th march 2021. Those who are enrolled in above certificate course, please attend course as per given time table.


Head, 20/02/2021.
Department of Physics




DADA RAMCHAND BAKHURU
SINDHU MAHAVIDYALAYA
KAKA TILOKCHAND RUGHWANI MARG, PANCHPOALI,
NAGPUR-440017 (INDIA)
PHONE-0712-2640368, 2642789, FAX-0712-2640368

DEPARTMENT OF PHYSICS

Date: 20/01/2023

NOTICE

All the students of B.Sc. semester 2 of group (PCM/PEM/PCoM) are hereby informed that Department of Physics is going to organize certificate course on "Solar Power and Appliances" from 2nd Feb 2023. Those who are enrolled in above certificate course, please attend course as per given time table.


20/01/2023
Head,
Department of Physics




DADA RAMCHAND BAKIRU
SINDHU MAHAVIDYALAYA
KAKA TILOKCHAND RUGHWANI MARG, PANCHPOALI,
NAGPUR-440017 (INDIA)
PHONE-0712-2640368, 2642789, FAX-0712-2640368
DEPARTMENT OF PHYSICS

Date: 20/01/2023

NOTICE

All the students of B.Sc. semester 4 of group (PCM/PEM/PCoM) are hereby informed that Department of Physics is going to organize certificate course on "Solar Power and Appliances" from 2nd Feb 2023. Those who are enrolled in above certificate course, please attend course as per given time table.


20/01/2023
Head,
Department of Physics

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur
Department of Biochemistry

“Certificate course in Immunology & Clinical Biochemistry”

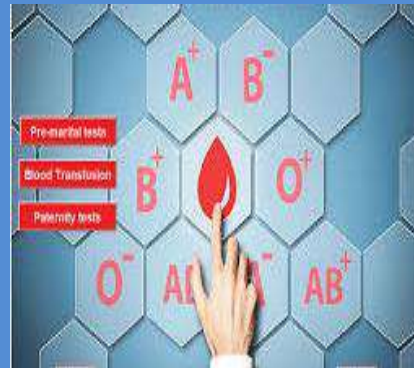
Duration – 30 hours

Theory – 15 hours

Practical – 15 hours

Place – Department of Biochemistry

Coordinator- Dr. Rahul L Meshram



Dada Ramchand Bakhru Siindhu Mahavidyalaya, Nagpur

Department of Biochemistry

2017-18

Certificate course in Immunology & Clinical biochemistry

Duration – 30 hours

Theory – 15 hours

Practical – 15 hours

Place – Department of Biochemistry

Coordinator- Dr. Rahul L Meshram

Certificate course in Immunology & Clinical Biochemistry

Objectives

The course aims to provide students with understanding of the basic principles of clinical biochemistry & Immunology. Course offer students, mix of theoretical knowledge delivered in lectures combined with development of clinical reasoning skill & practical knowledge of techniques involved.

Syllabus Theory-

- A. Collection & preservation of biological fluids (Blood, Serum, Plasma, Urine & CSF)
- B. Chemical analysis of blood urine and CSF.
- C. Normal values for important constituent in blood (Plasma/ Serum)
- D. Clearance test for the urea.
- E. Clinical enzymology- Isoenzymes, diagnostic applications of Isoenzymes, enzyme pattern in health & diseases (Plasma lipase, amylase, choline esterase SGOT, SGPT, LDH, CPK)
- F. Brief idea about structure & functions of Liver, kidney & heart
- G. Hypoglycemia, Hyperglycemia
- H. Immunology- Definition and concept of Immunity, Humoral and cell mediated immunity.
- I. Antigen – Factor determining antigenicity
- J. Antibody – definition, structure, classification (IgA, IgG, IgM, IgD, IgE) & properties.
- K. Monoclonal antibodies, Hybridoma technology
- L. Antigen-Antibody reactions – Precipitation, agglutination, Enzyme linked immunosorbent assay (ELISA), Radio immune assay (RIA).
- M. Brief idea of Allergy.

Practicals-

1. To perform Radial Immunodiffusion (RID) by Mancini's method.
2. To perform double immunodiffusion (DID) by using Ouchterlony method.
3. To perform haemagglutination assay for ABO blood group typing & determination of Rh factor
4. To perform dot ELISA (detection of antigen by ELISA method.)
5. Detection of hCG for pregnancy test.
6. Estimation of blood glucose
7. **Liver Function Tests** -Estimation of SGPT
8. Estimation of SGPT
9. Estimation of serum bilirubin
10. **Cardiac function test**- Estimation of serum cholesterol
11. **Kidney function test**-Estimation of blood urea.
12. Estimation of serum creatinine

CERTIFICATE COURSE IN BASIC MOLECULAR BIOLOGY TECHNIQUES

This is annual certificate course of Biotechnology department organized for B. Sc. Final year Biotechnology students to train them about practical skills with hands on practice for their future career



Objective of the certificate course

- ° to develop skill in participants
- ° to make them understand how to interpret the results
- ° to make them understand and design basic research layout



Participants

Final year Biotechnology students

Course Description

Basic techniques involved in Genomics and Proteomics taught with hands on practice which is useful for research, pathology or quality control laboratories



Course co-ordinator

DR. S. BHAGCHANDANI

To

The Principal

DRB Sindhu Mahavidyalaya,

Nagpur-17

Subject : Permission to conduct short term course “ Certificate course in Basic
Molecular Biology techniques” in Department of Biotechnology.

Respected Sir,

We, faculty members of Department of Biotechnology, are planning to organize a short term course entitled “Certificate course in Basic Molecular Biology techniques” for all life science degree students with total 50 participants. Details of the course are enclosed with the letter.

Kindly give us permission for conducting course & please provide us LCD for presentation purpose.

Thanking you.

Yours sincerely,

Dr. (Mrs.) Damini Motwani

Dr. Sharda Bhagchandani

DRB SINDHU MAHAVIDYALAYA, PANCHPAOLI, NAGPUR-17

DEPARTMENT OF BIOTECHNOLOGY

SHORT TERM COURSES

CERTIFICATE COURSE IN BASIC MOLECULAR BIOLOGY TECHNIQUES

Introduction

With the emergence of Biotechnology as a powerful tool in modern biology, it has become imperative to expose and orient young brains and students about various basic techniques like DNA isolation and estimation methods, protein isolation and estimation methods, restriction digestion etc., which are being widely used in the field of Biotechnology.

Therefore Department of Biotechnology is going to conduct a short term course named “Certificate course in Basic Molecular biology Techniques” (CCBMBT).

Objective of the Course

Main objective of the course “Certificate course in Basic Molecular biology Techniques” (CCBMBT) is to enlighten students about various basic research techniques so that they can apply these techniques in their future research programmes.

Emphasis will be given on laboratory work. The hour to hour schedule of the course indicating laboratory exercises as well as lectures planned is furnished.

SYLLABUS

- **Antigen Antibody Reactions**

Detailed description of Ag, detailed description of all types of Abs, Epitops Paratops, Precipitin curve, Lattice formation. Immunodiffusion methods, Agglutination reaction: clump formation, Hemagglutination, ELISA, enzyme conjugated with secondary Ab, Types of ELISA.

- **Enzymology Related Techniques**

Enzyme – substrate complex formation, MM equation. Deviations from MM equation, LB plot, Eadie- Hoffstee plot etc. crystallization & purification methods of enzyme.

- **Protein Estimation Methods**

Classification of amino acids, properties of amino acids, peptide bond reactions, use of spectrophotometry for concentration estimation, standard Graph preparation.

- **DNA Isolation Methods**

Different isolation steps of DNA and its chemical basis, liquid extraction uses of solvents and importance of cold centrifuge.

- **Nucleic Acid Estimation Methods**

Types of nucleic acids, differences in DNA & RNA, Spectrophotometric methods of concentration estimation.

- **PCR Based Studies**

PCR: Native PCR principle, concept and methodology, methodology and applications of different types of PCR: Nested PCR, Real Time PCR, LAMP PCR, RAPD, DNA fingerprinting, Multiplex PCR

LIST OF PRACTICALS

	TITLE	PRACTICAL PERIOD
1.	Antigen Antibody Reaction	4
	A) Agglutination Blood Group widal test	
	B) Precipitation SRID, DRID (Immunodiffusion)	
	C) ELISA Test	
2.	Enzymology Related Techniques	4
	A) Crystallization of Enzyme (Urease)	
	B) Partial purification of Enzyme	
	C) Enzyme Kinetics	
	D) Quantitative Estimation of Enzyme (Amylase)	

3. **Protein Estimation Methods** **4**

A) Folin – Lowrey Method

B) Bradford Method

C) Biurette Method

4. **DNA Isolation Methods** **2**

- From Bacteria
- From plant cell
- Plasmid DNA Isolation

5. **Nucleic Acid Estimation Methods** **2**

- A_{280} / A_{260} method
- DNP method

6. **PCR Based Studies** **2**

A) 16S DNA PCR

B) RAPD

Sr. No.	Title	Duration (Hours)	
		Theory	Practical
1	Antigen-Antibody Reactions	02	04

2	Enzymology related techniques	02	04
3	Protein Estimation Methods	02	04
4	DNA isolation methods	02	02
5	Nucleic Acid Estimation Methods	02	02
6	PCR based studies	02	02

Total Hours of Certificate Course – 30 Hours

Total Number of Participants – 50

Registration Fee – 200/- per participant

Budget of Certificate Course

50 Participants × 200 fee each = 10,000 total collection

Sr. No.	Particulars	Amount (Rupees)
1	Stationary (Folder, Pen, Certificate, Study Material)	5000
2	Guest Lectures	2000
3	Miscellaneous	3000

Date:03/10/2022

Notice

As practicals of semester 5 Biotechnology now over, from tomorrow a short term certificate course will be conducted oin Biotechnology Practical timings Saturday. Attendance is compulsory or else certificates will not be given.

By order

Dr. S. Bhagchandani

Head, Department of Biotechnology and course co-ordinator

Date:01/10/2022

Notice

As practicals of semester 5 Biotechnology now over, from tomorrow a short term certificate course will be conducted on Biotechnology Practical timings every Friday and Saturday. Attendance is compulsory for certificate.

By order

Dr. S. Bhagchandani

Head, Department of Biotechnology and course co-ordinator

**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**



Department of Commerce

**Certificate Course
in
Computerised A/C with Tally**

for B.Com Sem III

Co-ordinator

Dr. A G Thadani
Asst Professor
Dept of Commerce

Dr M. H. Kaushik
Asst Professor
Dept. of Commerce

<https://drbsmvnagpur.ac.in/>



Name of Course :	Certificate Course in Tally ERP 9		
Duration :	30 Hrs	Modules :	4
Course Objectives :			
<ol style="list-style-type: none"> 1. To impart knowledge regarding concepts of Financial Accounting. Tally is an accounting package which is used for learning to maintain accounts. 2. This course helps students to work with well-known accounting software i.e. Tally ERP.9. 3. To make students capable to create company, enter accounting voucher entries including advance voucher entries, reconcile bank statement, do accrual adjustments, and also print financial statements, etc. in Tally ERP.9 software. 4. Accounting with Tally certificate course is not just theoretical program, but it also includes continuous practice, to make students ready with required skill for employability in the job market. 			
Course Outcomes :			
<ol style="list-style-type: none"> 1. After successfully qualifying practical examination, students will be awarded certificate to work with well-known accounting software i.e. Tally ERP.9 2. Student by their own will create company, enter accounting voucher entries including advance voucher entries, reconcile bank statements, do accrual adjustments, and also print financial statements, etc. in Tally ERP.9 software. 3. Students will possess required skill and can also be employed as Tally data entry operator. 			
Course Pre-requisites :			
<ul style="list-style-type: none"> • To get full benefit of this course, the student needs to have basic knowledge of accounting and computer. 			
Career Prospects:			
<ul style="list-style-type: none"> • Even if you are currently employed, learning Tally and obtaining a certificate will improve your chances for a promotion or you may even land a better job. Tally will give a much-needed boost to your career by enhancing your knowledge in Accounting, Inventory Management, and Taxation. <p>This program opens up various avenues for students. After the completion of the program, as a fresher you can begin your career as:</p> <ul style="list-style-type: none"> • Accounts executive • Junior accountant • Data entry operator • Accounts assistant • Tally operator • Accountant trainee 			

Course Contents		
Module-1 :	Duration :	10 Hrs.
Chapter I: Fundamentals of Accounting. Chapter II: Maintaining Chart of Accounts in Tally ERP Chapter III : Maintaining Stock Keeping Units (SKU) Chapter IV : Recording Day-to-Day Transactions in Tally ERP 9		
Module-2:	Duration :	10 Hrs.
10 Hrs Chapter V : Accounts Receivable and Payable Management. Chapter VI : MIS Reports. Chapter VII : Recording Vouchers with TDS		
Module-3:	Duration :	10 Hrs.
Chapter VIII: Recording Vouchers with TDS (Tax Deducted at Source) Goods and Services Tax (GST) - Introduction Shortcut Keys Practice		
<ul style="list-style-type: none"> • All the classes will be conducted in the computer lab by the externals. • Certificate will be awarded by Dada Ramchand Bakhru Sindhu Mahavidyalaya after online assessment test. 		



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce

Certificate Course on Computerized Accounting with TALLY
2018-19

This is to inform all the students of **B. Com Sem III (2018-19)** that a Certificate Course on **Computerized Accounting with TALLY** will be starting from 01/07/18 to 01/08/18. The timings will be from 11:30 a.m. to 12.30 a.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. A G Thadani

Dr. M H Kaushik




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce

Certificate Course on Computerized Accounting with TALLY
2019-20

This is to inform all the students of **B. Com Sem III (2019-20)** that a Certificate Course on **Computerized Accounting with TALLY** will be starting from 01/07/19 to 01/08/19. The timings will be from 11:30 a.m. to 12.30 a.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. A G Thadani

Dr. M H Kaushik




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce

Certificate Course on Computerized Accounting with TALLY
2020-21

This is to inform all the students of **B. Com Sem III (2020-21)** that a Certificate Course on **Computerized Accounting with TALLY** will be starting from 02/09/20 to 02/10/20. The platform for the course will be Google Meet and the timings will be from 11:30 a.m. to 12.30 a.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. A G Thadani

Dr. M H Kaushik




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce

Certificate Course on Computerized Accounting with TALLY
2021-22

This is to inform all the students of **B. Com Sem III (2021-22)** that a Certificate Course on **Computerized Accounting with TALLY** will be starting from 13/09/21 to 13/10/21. The platform for the course will be Google Meet and the timings will be from 11:30 a.m. to 12.30 a.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. A G Thadani

Dr. M H Kaushik




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya
Samiti



NOTICE

Department of Commerce

Certificate Course on Computerized Accounting with TALLY 2022-23

This is to inform all the students of **B. Com Sem III (2021-22)** that a Certificate Course on **Computerized Accounting with TALLY** will be starting from 07/11/22 to 07/12/22. The platform for the course will be Google Meet and the timings will be from 11:30 a.m. to 12.30 a.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. A G Thadani

Dr. M H Kaushik




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

Dada Ramchand Bakhru
Sindhu Mahavidyalaya

DEPARTMENT OF COMMERCE



knowledge is Power

Certificate Course in Insurance

For the students of
B.Com Sem IV

Co-ordinators:

Dr. M. L. Vanjari
Asst Professor

Dr. Reema Kamlani
Asst. Professor

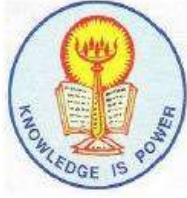
CONTACT US

8788424020

9960622505

<https://drbsmvnagpur.ac.in/>





Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes
Run By Sindhi Hindi Vidya Samiti



ONLINE CERTIFICATE COURSE IN BASICS OF INSURANCE

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur is offering a one-month Certificate Course in **"Insurance"**. The Certificate Course aims to develop the skills, which are required to deal with the legal and practical aspects related to regulation of Insurance regime in India. The program aims to provide practical knowledge pertaining to Insurance field and various requirements under diverse statutes.

OBJECTIVES OF THE COURSE:

1. To familiarize students with the fundamental principles of insurance law.
2. To provide a sector-specific analysis of India's various insurance laws.
3. To provide students with a good grasp of the practical circumstances that diverse stakeholders in the Indian insurance system experience in their professional lives.
4. To give knowledge of current insurance legislation developments in India

COURSE OUTCOME

This course is divided into six modules and covers various laws that regulate the Indian insurance system. This course will cover all of the major components of the insurer-insured relationship in various types of insurance contracts. The course has been created to provide students with a step-by-step approach to dealing with various insurance-related concerns in India.

The course coordinator has taken special care to make the course modules more accessible to students who do not have a legal background.

This certificate programme entails in-depth study of general insurance, life insurance, fire insurance, and other related laws. This course will not only give students a fundamental understanding of Indian insurance legislation, but it will also give them an in-depth look at the insurance-related compliance requirements using appropriate illustrations and judicial decisions.

COURSE CONTENT

- INTRODUCTION & GENERAL PRINCIPLES OF INSURANCE
- INSURANCE DOCUMENTS
- FIRE INSURANCE
- MOTOR INSURANCE
- LIFE & HEALTH INSURANCE
- LEGISLATIVE AND REGULATORY FRAMEWORK

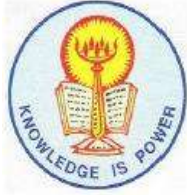
EXAMINATION/AWARD OF CERTIFICATE/ADMINISTRATION:

Examination will be conducted after the completion of the course via online mode (Multiple choice questions on Google Form))

Candidates who attend complete course & pass the examination will be awarded a Certificate by Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur



Officializing Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes
Run By Sindhi Hindi Vidya Samiti



SYLLABUS

1. INTRODUCTION & GENERAL PRINCIPLES OF INSURANCE

1. Development & Growth of Insurance in India
2. Definition, Nature and Significance of Insurance.
3. Principles of Insurance
4. Classification of Insurance
5. Contract of Insurance.
6. Risk & Risk Handling

2. INSURANCE DOCUMENTS

1. Proposal Forms.
2. Policy Forms.
3. Cover Notes.
4. Certificate of Insurance.
5. Endorsements.
6. Renewal Notice.
7. Other Insurance Documents

3. FIRE INSURANCE

1. Introduction
2. The Standard Fire & Special Perils Policy.
3. Fire Hazard & Fire prevention
4. Claims Legal Aspects

4. MOTOR INSURANCE

1. Introduction
2. Motor Vehicles Act, 1988
3. Personal Accident Cover for Owner-Driver
4. Theft Claims

5. LIFE & HEALTH INSURANCE

1. Introduction
2. Kinds of Life Insurance-Whole life Policy, Endowment Policy, Term Policy
3. Free Look Period Provisions
4. Health Insurance Products in India
5. Health Insurance Claims Management

6 .LEGISLATIVE AND REGULATORY FRAMEWORK

1. Insurance Act, 1938.
2. The Insurance (Amendment) Act, 2002.
3. General Insurance Business (Nationalisation) Amendment Act, 2002.
4. I.R.D.A. Regulations, 2002



WR
Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce
Certificate Course on Basics of Insurance
2022-23

This is to inform all the students of **B. Com Sem IV (2022- 23)** that a Certificate Course on **Baics of Insurance** will be starting from 24/03/23 to 24/04/23. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. M L Vanjari

Dr. Reema Kamlani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce Certificate Course on Basics of Insurance 2021-22

This is to inform all the students of **B. Com Sem IV (2021-22)** that a Certificate Course on **Baics of Insurance** will be starting from 22/02/22 to 22/03/22. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. M L Vanjari

Dr. Reema Kamlani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce
Certificate Course on Basics of Insurance
2020-21

This is to inform all the students of **B. Com Sem IV (2020-21)** that a Certificate Course on **Baics of Insurance** will be starting from 02/02/21 to 02/03/21. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. M L Vanjari

Dr. Reema Kamlani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

**DRB SINDHU MAHAVIDYALAYA,
PANCHPAOLI NAGPUR**

Department of Commerce

A Short Term

“Certificate Course in German Language”

2017-18

Programme Coordinator: Dr. A G Thadani

CERTIFICATION COURSE IN GERMAN LANGUAGE

1. Name of the project.

- Certificate Course in German Language.

2. Why?

- Graduates often cite foreign language courses as some of the most valuable courses in college because of the communication skills developed in the process.
- Foreign Language study creates more positive attitudes toward people coming from other country who are different.
- Business skills plus foreign language skills make an employee more valuable in the marketplace.
- Creativity can be increased with the study of foreign languages.

3. What?

- Tutorial classes will be focusing on the basic overview and orientation of the language.

4. How?

- 1 hour Class - 4 days a week
- Mon, Thursday- 1hr Class
- Saturday – 2hr Class
- **Total: 80 hrs**

5. Who will be doing it?

- Mr Shekhar Reddy
- Dr (Mrs) TruptiSakhare

6. Where will it be done?

- Assigned classroom, of DRB SMV, Nagpur

7. How long will it take?

- Duration: 80 hrs
- Exam Authority: Gothe, Mumbai

8. How much will it cost?

Sr No	Requirements	Cost	Total
1	Notes	7000/-	7000/-
2	Guest Lectures	10000/-	10000/-
3	Stationary	5000/-	5000/-
4	Miscellaneous	3000/-	3000/-
		Total	25000/-

9. Class Strength: Minimum 30 Students

10. Basic Course Fees: 3000 Rs

11. Advance Certificate Course Fees: 6000 Rs

12. Course Duration: 80 Days

13. Requirements

- Teaching Aids
- Stationary
- Dedicated Classroom

Thank you for your kind support.



**Dada Ramchand Bakhru Sindhu Mahavidyalaya
Panchpaoli Nagpur**

Department of BBA

CERTIFICATE COURSE IN GERMAN LANGUAGE

NOTICE

SESSION 2022-23

This is to inform all the students of BBA I year that the regular classes of Certificate Course in German Language will commence from 1/10/2022 - 30/10/2022. Attendance is compulsory in all the classes.

BY ORDER

**PRANAY WANKHEDE,
Head of Department**



**Dada Ramchand Bakhru Sindhu Mahavidyalaya
Panchpaoli Nagpur**

Department of BBA

CERTIFICATE COURSE IN GERMAN LANGUAGE

NOTICE

SESSION 2021-22

This is to inform all the students of BBA I year that the regular classes of Certificate Course in German Language will commence from 15/11/2021 - 15/12/2021. Attendance is compulsory in all the classes.

BY ORDER

PRANAY WANKHEDE,
Head of Department



**Dada Ramchand Bakhru Sindhu Mahavidyalaya
Panchpaoli Nagpur**

Department of BBA

CERTIFICATE COURSE IN GERMAN LANGUAGE

NOTICE

SESSION 2020-21

This is to inform all the students of BBA I year that the regular classes of Certificate Course in German Language will commence from 19/11/2020 - 19/12/2020. Attendance is compulsory in all the classes.

BY ORDER

**PRANAY WANKHEDE,
Head of Department**



**Dada Ramchand Bakhru Sindhu Mahavidyalaya
Panchpaoli Nagpur**

Department of BBA

CERTIFICATE COURSE IN GERMAN LANGUAGE

NOTICE

SESSION 2019-20

This is to inform all the students of BBA I year that the regular classes of Certificate Course in German Language will commence from 02/07/2019 - 02/08/2019. Attendance is compulsory in all the classes.

BY ORDER

**PRANAY WANKHEDE,
Head of Department**



**Dada Ramchand Bakhru Sindhu Mahavidyalaya
Panchpaoli Nagpur**

Department of BBA

CERTIFICATE COURSE IN GERMAN LANGUAGE

NOTICE

SESSION 2018-19

This is to inform all the students of BBA I year that the regular classes of Certificate Course in German Language will commence from 02/08/2018 - 02/09/2018. Attendance is compulsory in all the classes.

BY ORDER

**PRANAY WANKHEDE,
Head of Department**

DADA RAMCHAND BAKHRU SINDHU
MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF MANAGEMENT

SESSION 2022-23

**CERTIFICATE COURSE
IN
GERMAN LANGUAGE**

**30 HOURS
COURSE**



**FOR MORE
DETAILS
CONTACT:**

COURSE COORDINATOR

Dr Trupti Sakhare 9730760527

DADA RAMCHAND BAKHRU SINDHU
MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF MANAGEMENT

SESSION 2021-22

**CERTIFICATE COURSE
IN
GERMAN LANGUAGE**

**30 HOURS
COURSE**



**FOR MORE
DETAILS
CONTACT:**

COURSE COORDINATOR

Dr Trupti Sakhare 9730760527

DADA RAMCHAND BAKHRU SINDHU
MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF MANAGEMENT

SESSION 2020-21

**CERTIFICATE COURSE
IN
GERMAN LANGUAGE**

**30 HOURS
COURSE**

**FOR MORE
DETAILS
CONTACT:**

COURSE COORDINATOR

Dr Trupti Sakhare 9730760527

DADA RAMCHAND BAKHRU SINDHU
MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF MANAGEMENT

SESSION 2019-20

**CERTIFICATE COURSE
IN
GERMAN LANGUAGE**

**30 HOURS
COURSE**



**FOR MORE
DETAILS
CONTACT:**

COURSE COORDINATOR

Dr Trupti Sakhare 9730760527

DADA RAMCHAND BAKHRU SINDHU
MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF MANAGEMENT

SESSION 2018-19

**CERTIFICATE COURSE
IN
GERMAN LANGUAGE**

**30 HOURS
COURSE**



**FOR MORE
DETAILS
CONTACT:**

COURSE COORDINATOR

Dr Trupti Sakhare 9730760527

Certificate Course on + "Basics of Income Tax" +

Department of Commerce +

B.COM SEM I

2022-23

Course Coordinator

DR.RICHA KALYANI

Course Content

- Basic of income tax
- Sources of Income
- Tax Exempted Income
- Tax calculation
- Tax Return
- Deductions
- Credit Repair
- E-Filing of ITR
- Various types of ITR



TAX

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA





Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



Date : 24/8/2018

DRB SINDHU MAHAVIDYALAYA, PANCHPAOLI, NAGPUR

Department of Commerce

Proposal for Certificate course in Basic Taxation

1.0 Overture:

The course is proposed to design for commerce & management students in order to augment their tax related knowledge. It may cover the basic concept of taxation including various direct and indirect taxes. It is proposed to provide fundamental knowledge of various heads of incomes, emphasising Income Tax and GST. It will also teach students to get familiar with government portals to apply PAN and to file ITR. It is therefore, the course may be named as “**Certificate Course in Basic Taxation**” or “**CCBT**” in short.

2.0 Need of the Course:

All the students, especially enrolling B.Com & BBA courses, should possess basic knowledge of taxation. Curriculum for Bachelor of Commerce (B.Com) of various universities, including RTM Nagpur University, include a complete subject on Taxation, especially in their final semesters. However, the students enrolled for BBA course, who are preparing themselves for Business Administration, must have basic taxation knowledge. The course is proposed especially for the BBA students. However, the students from other faculties may also get benefit from this course.

3.0 Objective of the Course:

The objective of the Course is to acquaint commerce & management students with basic knowledge of Indian Taxation policies & rules and to enrich their knowledge about various direct & indirect taxes, tax rates, applying PAN, filing IT returns etc.

4.0 Outcome from the course:

After successful completion of the course, students should be able to assess various types of taxes, especially Income Tax of individual assessee and GST. They must able to file ITR through Income Tax e-filing portal.

- | | | |
|-----|------------------------------|--|
| 5.0 | Duration of the Course | : 30 hours |
| 6.0 | Approximate Fees (INR) | : Rs. 1,000 /- (to be paid in lumpsum) 500*420=210000/- |
| 7.0 | Minimum Eligibility Criteria | : 10 + 2 qualified |
| 8.0 | Intake Capacity | : 100 Students |
| 9.0 | Requirements | : One classroom equipped with <ul style="list-style-type: none">• <u>LCD Projector</u>• <u>Computer / Laptop</u>• <u>Internet facility</u>• <u>Seating capacity of 100 students</u> |




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



10.0 Course contents proposed:

SN	Particulars	Duration (60 hours)
01	Basic Concepts	04
02	Various tax laws, rules & policies	02
03	Types of Assessee	02
04	Various Heads of Income <ul style="list-style-type: none">• <u>Income from Salary</u>• <u>Income from House Property</u>• <u>Income from business and Profession</u>• <u>Income from Capital Gain</u>• <u>Income from Other Sources</u>	25
05	Income Tax for Individual assessee	05
06	Tax Slabs	01
07	Deductions u/s 80 c to 80 u	05
08	Procedure for applying PAN card	02
09	E-Filing procedure	03
10	Question-Answer / Quiz sessions	03

11.0 Recurring Expenses : Rs. 25,000 /-

Which include:

- 1) Cost of designing study material : Rs.7,000
- 2) Printing cost : Rs. 10,000
- 3) Remuneration to External faculty : Rs. 5,000
- 4) Miscellaneous Expenses : Rs. 3,000

(Refreshment, ITR forms, PAN forms etc.)

12.0 Material provided to students : Booklet containing course contents
ITR forms and PAN cards form (for practice)

13.0 Name of the Facilitator : Dr. Richa Kalyani

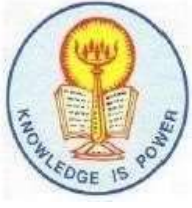
14.0 Teaching faculties : In-house college teachers and external faculties from
relevant areas / having practical knowledge

Coordinator of Course

Dr. (Mrs.) Richa Kalyani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF COMMERCE

Session : 2022-23

Date: 13/ 03 /2023

Notice

This is to inform all the students of B.com Sem II that the CERTIFICATE COURSE in “BASICS OF TAXATION” will be starting from 24th March 2032. The timings for the certificate course will be from 11.30 a.m to 12.30 pm. The class will be held in TF-01.

Course Co-ordinator
Dr. Richa Kalyani

Head of the Department
Mr. G.G.Rughwani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF COMMERCE

Session 2021-22

Date: 05/ 01/2022

Notice

This is to inform all the students who have registered their names for the CERTIFICATE COURSE in “BASICS OF DIRECT TAXATION” that the certificate course will start from 15th Jan 2022. The timing for the class is 11.30 a.m to 12.30 pm. The classes will be run online. The link will be sent to you on what’s app group.

The inaugural function will be on 15/01/2021. The function will be online and it will start at 11.30 am. The course will be of 30 days The details of the classes will be sent to you on your whatsapp.

Course Co-ordinator
Dr. Richa Kalyani

Head of the Department
Mr. G.G.Rughwani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA,

DEPARTMENT OF COMMERCE

Session : 2020-21

Date: 05 /10/2020

Notice

This is to inform all the students who have registered their names for the **CERTIFICATE COURSE** in “**BASICS OF INCOME TAX**” that the certificate course will start from 20/10/2020. The timing for the class is 11.30 am to 12.30 pm. The classes will be run online. The link will be sent to you on what's app group.

The inaugural function will be on 20/10./2020. The function will be online and it will start at 11.30 a.m. The course will end on 20/11/2020. The details of the classes will be sent to you on your whatsapp after the inaugural function.

Course Co-ordinator
Dr . Richa Kalyani

Head of the Department
Mr. G.G.Rughwani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF COMMERCE

SESSION 2019-20

Date: 10/ 12 /2019

Notice

This is to inform all the students who have registered their names for the CERTIFICATE COURSE in “BASICS OF TAXATION” that the certificate course will start from 17th DEC. 2019. The timing for the class is 11.30 a.m to 12.30 pm. The classes will be held in GF-11.

The course will be of 30 days.

Course Co-ordinator
Dr. Richa Kalyani

Head of the Department
Mr. G.G.Rughwani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR
DEPARTMENT OF COMMERCE

SESSION 2018-19

Date: 02/ 12 /2018

Notice

This is to inform all the students who have registered their names for the CERTIFICATE COURSE in “BASICS OF TAXATION” that the certificate course will start from 17th DEC. 2018. The timing for the class is 11.30 a.m to 12.30 pm. The classes will be held in GF-01. The course will be of 30 days.

Course Co-ordinator
Dr. Richa Kalyani

Head of the Department
Mr. G.G.Rughwani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

CERTIFICATE COURSE **ON** **BASICS OF GST** **(GOODS AND SERVICE TAX)**

DEPARTMENT OF COMMERCE

B.COM SEM II

TOPICS TO DISCUSS: 2022-23

Introduction of GST
Tax Invoices
Input Tax Credit Composition
GST Registration
Procedure of GST Return
Accounting for GST
Payment of Tax

COURSE COORDINATORS:

Dr. S.V Tewani

Dr. Amit S. Nanwani

Dada Ramchand Bakhru Sindhu Mahavidyalaya



Dada Ramchand Bakhru Sindhu Mahavidyalaya, PANCHPAOLI, NAGPUR

Department of Commerce

Certificate course in Basic of GST (Goods and Services Tax)

1.0 Overture:

GST stands for “Goods and Services Tax”, and is proposed to be a comprehensive indirect tax levy on manufacture, sale and consumption of goods as well as services at the national level. GST is the paradigm shift in the Indian taxation system which has brought a superfluity of opportunities for finance professionals in the field of practice as well as jobs.

The course is proposed to design for commerce students in order to augment their GST related knowledge. It may cover the basics of GST, important terminologies and concepts, applicability and impacts. It is proposed to provide fundamental & practical knowledge of Procedure of GST Registration, Procedure of GST Return submission. The students will understand GST right from basic theoretical knowledge to practical implications.

To help students with the ongoing changes and to make them GST experts Dada Ramchand Bakhru Sindhu Mahavidyalaya has introduced the “Certificate Course on Basic GST (Goods and Services Tax)”.

2.0 Need of the Course:

GST (Goods and Services Tax) is historical indirect tax reform in India. There has been a paradigm shift in the Indirect Taxation system with the GST rollout on 01st July 2017. It is really important to understand and assimilate the new GST in Indian Taxation System.

All the students, especially enrolling B.Com courses, should possess basic knowledge of GST taxation system in India. Curriculum for Bachelor of Commerce (B.Com) of various universities, including RTM Nagpur University, include a complete subject on Indirect Tax, especially in their final semesters.

Hence, B.Com. Students must know the ongoing changes and to make them GST experts. GST is a new taxation module and many people are not much aware about this. Hence, the people knowing GST will become in demand for the businesses and companies for their better taxation administration. Finally it is going to create significant job opportunities as well as candidates can work independently on return filing, taxation and statutory compliance.

3.0 Objective of the Course:

The objective of this Certificate Course is to provide basic knowledge and practical aspects of GST to all students. The Certificate Course on GST aims to provide specialized and updated knowledge in the area of GST by skilling students. It also aims to acquaint commerce students with basic knowledge of GST in Indian Taxation System to enrich their knowledge about Procedure of GST Registration, Procedure of GST Return submission, etc.

4.0 Outcome from the course:

After successful completion of the course, students would be capable of Good and Service Tax (GST) registration, returns and in-depth accounting and recording of GST transactions.

5.0 GST Certificate Course Contents:

Course Contents (30 hours)
<ul style="list-style-type: none">● Basics of Tax● Taxation System in India● GST vs. Previous Indirect Tax● Concept of One Nation One Tax
<ul style="list-style-type: none">● Introduction of GST● Concept of GST● Applicability of GST● Classification of GST
<ul style="list-style-type: none">● Tax Invoice● Input Tax Credit Composition● Output Tax Payable
<ul style="list-style-type: none">● Concept of GST Registration● Procedure of GST Registration● Introduction to GST Returns● Procedure of GST Return Submission● Payment of Tax● Accounting for GST

6.0	Duration of the Course	: 30 hours
7.0	Approximate Fees (INR)	: Rs. 500/-
8.0	Minimum Eligibility Criteria	: 10 + 2 qualified
9.0	Name of Course Co-ordinator	: Dr. S.V. Tewani & Dr. Amit S Nanwani



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



**DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF COMMERCE**

Session 2022-23

Date: 13/ 03 /2023

Notice

This is to inform all the students of B.com Sem II that the certificate course in “BASICS OF GST” will be starting from 8th April 2023. The timings for the certificate course will be from 11.30 a.m to 12.30 pm. The class will be held in TF-01.

Course Co-ordinators

Dr. S.V. Tewani

Dr. Amit S.Nanwani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA,

DEPARTMENT OF COMMERCE

Session : 2021-22

Date: 25 /03/2022

Notice

This is to inform all the students who have registered their names for the CERTIFICATE COURSE IN “ BASICS OF GST ” that the certificate course will start from 06/04/2022. The timing for the class is 11.30 am to 12.30 pm. The classes will be run online. The link will be sent to you on what's app group.

The course will run for one month. The details of the classes will be sent to you on your whats app. Group.

Course Co-ordinators

Dr. S.V. Tewani

Dr. Amit S.Nanwani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA,

DEPARTMENT OF COMMERCE

Session : 2020-21

Date: 5 /01/2021

Notice

This is to inform all the students who have registered their names for the CERTIFICATE COURSE IN “ BASICS OF GST ” that the certificate course will start from 01/02/2021. The timing for the class is 11.30 am to 12.30 pm. The classes will be run online. The link will be sent to you on what's app group.

The course will run for one month. The details of the classes will be sent to you on your whats app. Group.

Course Co-ordinators

Dr. S.V. Tewani

Dr. Amit S.Nanwani




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

15th March to
3rd April 2023

**Personality
Development and
Communication Skills**

**Department
of Languages**

Day

Dada Ramchand
Bakhru Sindhu
Mahavidyalaya

Proposal and Syllabus

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur is offering a one-month “**Certificate Course in Personality Development and Communication Skills**”. The Certificate Course aims to develop the effective communication skills among students. Inculcating the soft skills in theoretical and practical ways. Learning about the essential factors for personality development and bringing them into practice. To Create understanding of the non-verbal forms of communication. Involving students in adapting the techniques of personality development..

Course Objectives:

Developing the effective communication skills among students.

Inculcating the soft skills in theoretical and practical ways and also to develop the effective communication skills among students.

Learning about the essential factors for personality development and bringing them into practice.

Create understanding of the non-verbal forms of communication

Course Outcomes (COs):

Learning outcomes

CO 249: Developing the effective communication skills among students.

CO 250: Inculcating the soft skills in theoretical and practical ways.

CO 251: Learning about the essential factors for personality development and bringing them into practice.

CO 252: Create understanding of the non-verbal forms of communication.

CO 253: Involving students in adapting the techniques of personality development.

Learning and teaching strategies

Approach in teaching:

Interactive Hours, Discussion, Tutorials, Reading assignments, Demonstration Learning activities for the

students: Self learning assignments, Effective questions, Seminar presentation, Group tasks

Assessment Strategies

Quiz, Assignments, Presentation, Individual and group projects

SYLLABUS

UNIT I:

Effective Communication Skills

Effective Communication Skills: Effective Communication, Effective Speaking, Effective Listening, Persuasive Skills, Interview Skills, **Vocabulary Development**

UNIT II:

Soft Skills

Soft Skills: Knowing Yourself (SWOT), Emotional Intelligence, Empathy, Interpersonal Skills, **Public Speaking, Language skills**

UNIT III:

Personality Development

Personality Development: Self Confidence, Self Efficacy, Self Esteem, Developing Positive Attitude, Self Development, Group Discussions

UNIT IV:

Non Verbal Communication

Non Verbal Communication: Paralanguage, Body Language, Proxemics, Professional Grooming and Etiquette Skills

UNIT V:

Techniques of Personality Development

Techniques of Personality Development: Stress Management, Time Management, Team Building, Goal Setting



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti

Certificate course in Personality Development and Communication Skill

The world is becoming more competitive everyday than it was ever. Students are required to acquire many skills to be in competition and excel in their profession. It is generally seen that the students lack soft skills. They have fear for many things like public speaking, speaking in English, interviews, etc. They lack in the areas like pronunciation, linguistic skills, body language, etiquettes and manners. It is therefore the need of the hour that the course module, 'A Certificate course in Personality Development and Communication Skill' is prepared to give training to students in the areas mentioned above.

Objectives of the course:

1. To develop English speaking skill
2. To make students aware of correct pronunciation
3. To enhance the vocabulary of students
4. To give them training in spoken English so that their hesitation to speak English would be over
5. To make them aware of using correct words and write correct spellings of words commonly mis-spelt.
6. To develop public speaking skill
7. To teach them the correct body language
8. To teach them the interview techniques
9. To develop their overall personality

This year the certificate course was held from 02/08/2018 and till 02/09/2018. The course was designed for 30 hours. Each day lectures were conducted for two hours. The topics that were dealt with were –

1. Language skills
2. Vocabulary Development
3. Public Speaking
4. Body language
5. Interview Techniques

About 86 students attended the course. The students were given important tips on the topics mentioned above.





Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti

The coordinator of the certificate course was Dr J K Walke, Dr Leena Chandnani, Head Department of Languages, Dr Suman Keswani and Dr Sapna Tiwari took efforts to impart training to the students. The students were given certificates after completion.

Dr K J Cherian, Principal, Dada Ramchand Bakhru Sindhu Mahavidyalaya, Vice principals of the college Dr Tewani and Dr Thadhani appreciated the efforts of the Department of Languages for the successful completion of the course.





DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR



DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE IN BEE-KEEPING

Objective:

- ❖ To provide self employment oppournity to the students
- ❖ To develop technical skill of the students
- ❖ To be able to construct a bee-hive or bee-boxes for bee-keeping

**Coordinator -Dr. Pinky Sonarghare
Assistant Professor
Department of Zoology**

Certificate course in Beekeeping

Organized by

**Department of Zoology,
Dada Ramchand Bakhru Sindhu
Mahavidyalaya, Nagpur**

Co-ordinator

Dr. Pinky Sonarghare

Certificate course in Beekeeping

**Conducted by Department of Zoology, Dada Ramchand Bakhru Sindhu Mahavidyalaya,
Nagpur**

Co-ordinator: Dr. Ms. P.C. Sonarghare

Duration: 32 hrs

Registration Fee: Rs. 200/-

Maximum capacity: 25 students/ Batch

Introduction:

Bee-keeping/ Apiculture is a process of rearing of honey bee. Throughout the world mainly four species of honey bee exists *Apis dorsata*, *Apis mellifera*, *Apis indica*, *Apis florea*. Bee by-products like honey, wax, royal jelly and propolis has a good market value. Rearing and maintenance of artificial bee hive is a technical skill and should be spread through students and society for the sustainable development.

Objectives:

- **Bee-keeping is develops as a cottage industry in India**
- **It is based on agro-industrial small scale management**
- **It is a good self employment technique**
- **Through this course , students should aware about skill and techniques to handle the artificial bee have**
- **This cultivated crop of bee products has a great demand and market value**

Syllabus:

Unit I:

1.1 Introduction to beekeeping

1.2 Apparatus for beekeeping

- 1.3 Langstroth's Hive (Artificial Hive)**
- 1.4 Advantages of extensive beekeeping**

Unit II:

- 2.1 The Colony and its organization**
- 2.2 Types of individuals in a colony**
- 2.3 Developmental stages and brood rearing**
- 2.4 Division of Labour, beehive and swarm**

Unit III:

- 3.1 The manipulation of bees**
- 3.2 Spring management**
- 3.3 Apiary Management**
- 3.4 Handling of bees**

Unit IV:

- 4.1 Marketing of Honey crop**
- 4.2 Production of extracted honey and wax**
- 4.3 Sources of nectar and pollen**
- 4.4 Bees diseases and enemies**

Practical:

- 1) Demonstration of bee hive handling**
- 2) Introduction to bee keeping apparatus**
- 3) Study of Langstroth's Hive**
- 4) Demonstration of life cycle of bee**
- 5) Permanent micro-preparation of various parts of Alimentary canal**
- 6) Mounting of Mouth parts, Sting and Hind-leg**
- 7) Harvesting of bee-products like honey, wax and royal jelly**
- 8) Dissection of alimentary canal and salivary glands**
- 9) Visit to different Apicultural centre**

Expenditure:

Capital Investment:

Artificial Bee Hive (box) 02 numbers	10,000/-
---	-----------------

Sr. No.	Particulars	Cost
1	Stationary	5000/-
2	Guest lecture remuneration	7000/-
3	Maintenance of colony	5000/-
4	Miscellaneous	3000/-
5	Faculty Remuneration	4000/-
	Total	24000/-

- **Registration fees: Rs. 200/- per student**
- **Maximum capacity: 25 students per batch**
- **Duration: 32 hours (16 hours Theory and 16 hours practical)**
- **Online Evaluation and feed-back**

Faculty Members:

- 1) **Dr. M. M. Shinkhede**
- 2) **Dr. Z. N. Kashmiri**
- 3) **Dr. Y. V. Bhute**
- 4) **Dr. P.C. Sonarghare**

Co-ordinator

(Dr. Ms. Pinky Sonarghare)

NOTICE

This is to inform all the students of the Certificate course in Bee-keeping that the classes are going to start from 13 February 2023. Thus, all the students are informed to be regular and punctual on time.



Coordinator

Dr. Pinky Sonarghare

NOTICE

This is to inform all the students of the Certificate course in Bee-keeping that the classes are going to start from 07 March 2022. Thus, all the students are informed to be regular and punctual on time.



Coordinator

Dr. Pinky Sonarghare

NOTICE

This is to inform all the students of the Certificate course in Bee-keeping that the classes are going to start from 22 February 2021. Thus, all the students are informed to be regular and punctual on time.



Coordinator

Dr. Pinky Sonarghare

NOTICE

This is to inform all the students of the Certificate course in Bee-keeping that the classes are going to start from 27 January 2020. Thus, all the students are informed to be regular and punctual on time.



Coordinator

Dr. Pinky Sonarghare

NOTICE

This is to inform all the students of the Certificate course in Bee-keeping that the classes are going to start from 1 February 2019. Thus, all the students are informed to be regular and punctual on time.

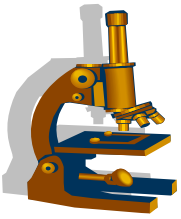


Coordinator

Dr. Pinky Sonarghare



D.R.B. Sindhu Mahavidyalaya
Department of Microbiology



Certificate course in Bio-fertilizer Production

- Bio fertilizer is sustainable approach and improve soil fertility.
- It is based on Integrated organic approach over chemical fertilizer
- It is good self employment technique
- Easy production & Market demand



In-charge

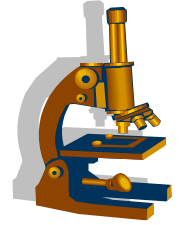
DR.SUJATA MANKAR

Assistant Professor and Head
Department of Microbiology

Course Fees: Rs.400/-
For B.Sc.-First Year



**Dada Ramchand Bakhru Sindhu
Mahavidhyalaya, Nagpur**



**CERTIFICATE COURSE
IN
BIO-FERTILIZER PRODUCTION**



Department of Microbiology

Certificate course in Bio-fertilizer Production

Introduction:

Nitrogen, phosphorous and potassium are the three major plant nutrients. Fertilizer industry greatly depends on petroleum reserves that will be almost exhausted. It is estimated that annually 25.1mt of nutrients (N, P, K) are removed from the soil. Whereas, only 15.0 mt are supplied from soil sources including organics. The fertilizer production in our country is less than the required amount. Organics wastes and biofertilizers are the alternate sources to meet the nutrient requirement of crops. Further, knowing the deleterious effects of using only the chemical fertilizers on soil health, use of chemical fertilizers supplemented with organic waste and biofertilizer help in efficient and sustainable management of soil ecosystem.

A **biofertilizer** is a substance which contains living microorganisms, when applied to seed, or soil, colonizes the rhizosphere or the interior of the plant and promotes growth by increasing the supply or availability of primary nutrients to the host plant. In bio-fertilizer microbes remain symbiotically associate with plant roots and provide lots of beneficial effect to the plant

Certain microorganisms like bacteria; they live freely in the soil and perform nitrogen fixation. Some of them are saprotrophic, living on organic remains, e.g., *Azotobacter*, *Bacillus polymyxa*, *Clostridium*, *Beijerinckia*. and blue-green algae or free-living cyanobacteria, have the property of nitrogen fixation, e.g., *Anabaena*, *Nostoc*, *Aulosira*, *Totypothrix*, *Cylindrospermum*, *Stigonema*. have the ability to use atmospheric nitrogen and transfer this nutrient to the crop plants. Some of these nitrogen fixer like rhizobia are obligate symbionts in leguminous plants, while others like *Azospirillum* colonize root zones and fix nitrogen in loose association with plants.

Objectives:

- **Bio-fertilizer is ecofriendly, sustainable approach, no harmful effect and improves soil fertility.**
- **It is based on integrated organic approach over chemical fertilizer.**
- **It is good self employment technique.**
- **Easy production and cost- effective.**
- **Low investment & Market demand**

Syllabus:

- **Unit-I Introduction, Definition, types of Biofertilizer**
- **Unit-II Details free living and symbiotic nitrogen fixing Bacteria**
- **Unit-III Study of *Rhizobium* and *Azotobacter sp.***
- **Unit-IV Mass Production, Packaging and Marketing**

Practicals:

- 1.1 Preparation of Media for *Rhizobium* and *Azotobacter sp.*
- 1.2 Collection and treatment of soil and healthy nodules from leguminous plant
- 1.3 Isolation ,purification and culturing of *Rhizobium* and *Azotobacter sp.*
- 1.4 Morphological and Biochemical study of *Rhizobium* and *Azotobacter sp.*
- 1.5 Standard Plate Count for viable count
- 1.6 Pot trials of prepared Biofertilizer with inoculated seeds
- 1.7 Packaging of Biofertilizer

(Incharge)

Dr. S. A. Mankar
Head, Deptt. of Microbiology



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF MICROBIOLOGY
SESSION 2022-23

NOTICE

All the students of B.Sc Microbiology semester I /II and Semester III/IV are hereby inform that those who have Enrolled for following certificate course should contact course coordinators .

Certificate course Biofertilizer Production B.Sc Semester I/II
Dr Sujata Mankar
Classes will Commence from 15 th Jan onward

Certificate course Food Safety and Quality Management III/IV
Dr Anita Chandak
Classes will from 15 th December onward

Course Coordinator
Dr A M. Chandak

Course coordinator
(Certificate course -
Biofertilizer Production)



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF MICROBIOLOGY
SESSION 2021-22

NOTICE

All the students of B.Sc Microbiology semester I /II and Semester III/IV are hereby inform that those who have Enrolled for following certificate course should contact course coordinators . Classes will commence from 15 December onwards

Certificate course Biofertilizer Production B.Sc Semester I/II

Dr Sujata Mankar

Certificate course Food Safety and Quality Management III/IV

Dr Anita Chandak

Course Coordinator

Dr A M. Chandak

Course coordinator

(Dr. S. A. Mankar)



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF MICROBIOLOGY

SESSION 2020-21

NOTICE

All the students of B.Sc Microbiology semester I /II and Semester III/IV are hereby inform that those who have Enrolled for following certificate course should contact course coordinators .

Certificate course Biofertilizer Production B.Sc Semester I/II
Dr Sujata Mankar
Commencement of classes will be from 15 January onwards

Certificate course Food Safety and Quality Management III/IV
Dr Anita Chandak
Commencement of classes will be from 1 march onwards

Course Coordinator
Dr A. M. Chandak

Course coordinator
(Dr. S. A. Mankar)



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF MICROBIOLOGY
SESSION 2019-20

NOTICE

All the students of B.Sc Microbiology semester I /II are hereby inform that those who have Enrolled for certificate course should contact course coordinator.

Certificate course Biofertilizer Production B.Sc Semester I/II

Dr Sujata Mankar

Date of commencement of classes will be 15 th December onward


Course coordinator



Course coordinator



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF MICROBIOLOGY
SESSION 2018-19
NOTICE

All the students of B.Sc Microbiology semester I /II are hereby inform that those who have Enrolled for certificate course should contact course coordinator.

Certificate course Biofertilizer Production B.Sc Semester I/II

Dr Sujata Mankar

Date of commencement of classes will be 15 th December onward


Course coordinator

Dada Ramchand Bakhru Sindhu Mahavidyalaya,
Nagpur
Department of Mathematics

Certificate Course

on

Numerical Skill Development for Competitive Exams

B.Sc. SEM II

Topics to Discuss:

- Vedic Mathematics
- School Mathematics
- Business Mathematics
- Statistics and data interpretation



COURSE COORDINATORS:

Dr. A. A. Qureshi

Dr. Rupali Wanjari

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR
Department of Mathematics
Certificate Course in “Numerical Skill Development for Competitive Exams”
Session – 2019-20

Syllabus

Unit I

- Vedic Mathematics
- Basic mathematics through ancient approach numbers
- Algebraic Operations
- Square, Cubes
- Square root, Cube root
- Average

Unit II: School Mathematics : -

- HCF, LCM of numbers
- Number system (Binary, chemical and their conversion)
- Problem on ages
- Ratio-proportion
- Time and distance

Unit III: Business Mathematics : -

- Simple Interest
- Compound Interest
- Profit and loss
- Maximization
- Logarithms
- Partnership
- Time and work

Unit IV: - Statistics and data interpretation

- Mean, mode, median
- Correlation

- Standard deviation
- Tabulation
- Bar graph
- Pie charts and Line graphs

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR
Department of Mathematics
Certificate Course in “Numerical Skill Development for Competitive Exams ”
Session - 2020-21

Syllabus

Unit I

- Basic mathematics through ancient approach numbers
- Algebraic Operations
- Square, Cubes
- Square root, Cube root
- Average

Unit II: School Mathematics : -

- HCF, LCM of numbers
- Number system (Binary, chemical and their conversion)
- Problem on ages
- Ratio-proportion
- Time and distance

Unit III: Business Mathematics : -

- Simple Interest
- Compound Interest
- Profit and loss
- Maximization

- Logarithms
- Partnership
- Time and work

Unit IV: - Statistics and data interpretation

- Mean, mode, median
- Correlation
- Standard deviation
- Tabulation
- Bar graph
- Pie charts and Line graphs

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR
Department of Mathematics
Certificate Course in “Numerical Skill Development for Competitive Exams”
Session - 2021-22

Syllabus

Unit I

- Basic mathematics through ancient approach numbers
- Algebraic Operations
- Square, Cubes
- Square root, Cube root
- Average

Unit II: School Mathematics : -

- HCF, LCM of numbers

- Number system (Binary, chemical and their conversion)
- Problem on ages
- Ratio-proportion
- Time and distance

Unit III: Business Mathematics :-

- Simple Interest
- Compound Interest
- Profit and loss
- Maximization
- Logarithms
- Partnership
- Time and work

Unit IV: - Statistics and data interpretation

- Mean, mode, median
- Correlation
- Standard deviation
- Tabulation
- Bar graph
- Pie charts and Line graphs

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR
Department of Mathematics
Certificate Course in “Numerical Skill Development for Competitive Exams”
Session – 2022-23

Syllabus

Unit I

- Vedic Mathematics
- Basic mathematics through ancient approach numbers
- Algebraic Operations
- Square, Cubes

- Square root, Cube root
- Average

Unit II: School Mathematics : -

- HCF, LCM of numbers
- Number system (Binary, chemical and their conversion)
- Problem on ages
- Ratio-proportion
- Time and distance

Unit III: Business Mathematics : -

- Simple Interest
- Compound Interest
- Profit and loss
- Maximization
- Logarithms
- Partnership
- Time and work

Unit IV: - Statistics and data interpretation

- Mean, mode, median
- Correlation
- Standard deviation
- Tabulation
- Bar graph
- Pie charts and Line graphs

DRB Sindhu Mahavidyalaya, Nagpur

Department of Mathematics

Session 2019-2020

Certificate Course on "Numerical Skill Development for Competitive Exams"

This is to inform to the students of B.Sc. 1st year that Certificate Course on 'Numerical Skill Development for Competitive Exams' is to be conducted from from 29th May 2020 to 30th June 2020 on Google Meet at 10.30 am. You will get certificate after successfully completing to the certificate course.



Dr. Rupali Wanjari
Program Co-ordinator

DRB Sindhu Mahavidyalaya, Nagpur

Department of Mathematics

Session 2020-2021

Certificate Course on "Numerical Skill Development for Competitive Exams"

This is to inform to the students of B.Sc. 1st year that Certificate Course on 'Numerical Skill Development for Competitive Exams' is to be conducted from from 23rd April 2021 to 5th May 2021 on Google Meet at 10.00 am. You will get certificate after successfully completing to the certificate course.



Dr. Rupali Wanjari
Program Co-ordinator

DRB Sindhu Mahavidyalaya, Nagpur

Department of Mathematics

Session 2021-2022

Certificate Course on "Numerical Skill Development for Competitive Exams"

This is to inform to the students of B.Sc. 1st year that Certificate Course on 'Numerical Skill Development for Competitive Exams' is to be conducted from from 23rd April 2021 to 5th May 2021 on Google Meet at 10.00 am. You will get certificate after successfully completing to the certificate course.



Dr. Rupali Wanjari
Program Co-ordinator

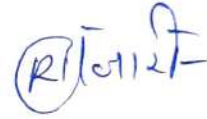
DRB Sindhu Mahavidyalaya, Nagpur

Department of Mathematics

Session 2022-2023

Certificate Course on "Numerical Skill Development for Competitive Exams"

This is to inform to the students of B.Sc. 1st year that Certificate Course on 'Numerical Skill Development for Competitive Exams' is to be conducted from 21st August 2023 to 28th August 2023 in Room No. FF4 at 11.00 am. You will get certificate after successfully completing to the certificate course.



Dr. Rupali Wanjari
Program Co-ordinator



दादा रामचंद्र बाखरु
सिंधु महाविद्यालय
पाँचपावली, नागपुर



भाषा विभाग (हिंदी) द्वारा आयोजित
ऑन लाईन

अनुवाद प्रशिक्षण व्यावसायिक पाठ्यक्रम

(09 मार्च 2021 से 23 मार्च 2021)
(शाम 4.30 से 6.30)

डॉ. एस. वी. कसबेकर
प्राचार्य

उपप्राचार्य
डॉ. सतीष टेवानी
डॉ. आनंद थदानी

डॉ. सपना तिवारी
संयोजिका



डॉ. लीना चंदनानी
विभाग प्रमुख

संचालन समिति
डॉ. जयंत वालके
डॉ. सुमन केसवानी

अनुवाद पाठ्यक्रम

- अनुवाद का अर्थ, स्वरूप एवं क्षेत्र
- अनुवाद की प्रक्रिया और प्रविधि
- अनुवाद के प्रकार
- वर्तमान समय में अनुवाद की महत्ता व उद्देश्य
- अनुवाद की आवश्यकता
- साहित्य के क्षेत्र में
- शिक्षा के क्षेत्र में
- संस्कृति के क्षेत्र में
- व्यवसाय के क्षेत्र में
- नव्यतम ज्ञान-विज्ञान के क्षेत्र में
- राष्ट्रीय एकता के क्षेत्र में
- साहित्यिक अनुवाद और उसकी समस्याएँ
- अंतरभाषिक अनुवाद और उसकी समस्याएँ
- अंग्रेजी के संदर्भ में
- मराठी के संदर्भ में
- हिंदी के संदर्भ में

To
The Principal
DRB Sindhu Mahavidyalaya
Panchapoli
Nagpur

Sub.: Request to conduct certificate course.

With reference to subject cited above you are requested to give permission to conduct the certificate course on 'अनुवाद व्यवसायिक प्रशिक्षण पाठ्यक्रम 2021-22 'and sanction an advance amount as per the proposal submitted by me.

Thanking you.

Yours faithfully



Dr Sapna Tiwari
Co-ordinator
Certificate course in translation



Dr Leena Chandnani
Head of the Department
Language

दादा रामचंद बाखरू सिंधु महाविद्यालय, नागपुर

भाषा विभाग

दिनांक : 25 जनवरी 2023

सूचना

समस्त विद्यार्थियों को सूचित किया जाता है कि जिन्होंने इस वर्ष बी. कॉम प्रथम वर्ष एवं बी.एस.सी. प्रथम वर्ष में महाविद्यालय में प्रवेश (Admission) के दौरान अनुवाद प्रशिक्षण व्यावसायिक पाठ्यक्रम के अंतर्गत पंजीयन किया है, उनके लिए भाषा विभाग (हिंदी) की ओर से अनुवाद प्रशिक्षण व्यावसायिक पाठ्यक्रम का आयोजन दिनांक 01 फरवरी 2023 से 17 फरवरी 2023 (पंद्रह दिवसीय) प्रारंभ किया जा रहा है। प्रशिक्षण का समय प्रतिदिन सुबह 11.30 से दोपहर 1.30 बजे तक रहेगा।

- नोट:** (1) नियमित रूप से उपस्थित प्रतिभागियों को ही पाठ्यक्रम के समापन पश्चात प्रमाणपत्र दिए जाएँगे।
- (2) पाठ्यक्रम के अंतिम दिन पढ़ाये गये पाठ्यक्रम के अंतर्गत वस्तुनिष्ठ प्रश्नोंत्तरी परीक्षा ली जायेगी।



डॉ. सपना तिवारी
संयोजिका



डॉ. लीना चंदनानी
भाषा विभाग प्रमुख
भाषा विभाग (हिंदी)

दादा रामचंद बाखरू सिंधु महाविद्यालय, नागपुर भाषा विभाग

दिनांक : 05 मार्च 2021

सूचना

समस्त विद्यार्थियों को सूचित किया जाता है कि जिन्होंने कॉलेज में प्रवेश के दौरान अनुवाद प्रशिक्षण व्यावसायिक पाठ्यक्रम के अंतर्गत पंजियन किया है, उनके लिए भाषा विभाग (हिंदी) की ओर से ऑन लाईन पाठ्यक्रम का आयोजन दिनांक 09 मार्च 2021 से 23 मार्च 2021 (पंद्रह दिवसीय) प्रारंभ किया जा रहा है। प्रशिक्षण का समय प्रतिदिन शाम 04.30 बजे से 06.30 बजे तक रहेगा। पाठ्यक्रम के लिए आपको व्हाट्सएप (whatsapp) ग्रूप में भेजी गई लिंक से प्रतिदिन जुड़ना है। पाठ्यक्रम से संबंधित सभी जानकारी तथा रूपरेखा आपको व्हाट्सएप द्वारा दी जाएगी।

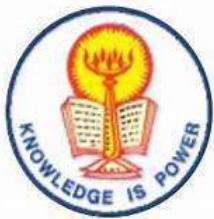
नोट: नियमित रूप से ऑनलाईन उपस्थित प्रतिभागियों को ही पाठ्यक्रम के समापन पश्चात प्रमाणपत्र दिए जाएँगे।



डॉ. सपना तिवारी
संयोजिका



डॉ. लीना चंदनानी
भाषा विभागप्रमुख



Dada Ramchand Bakhru Sindhu Mahavidyalaya
Department of Biochemistry



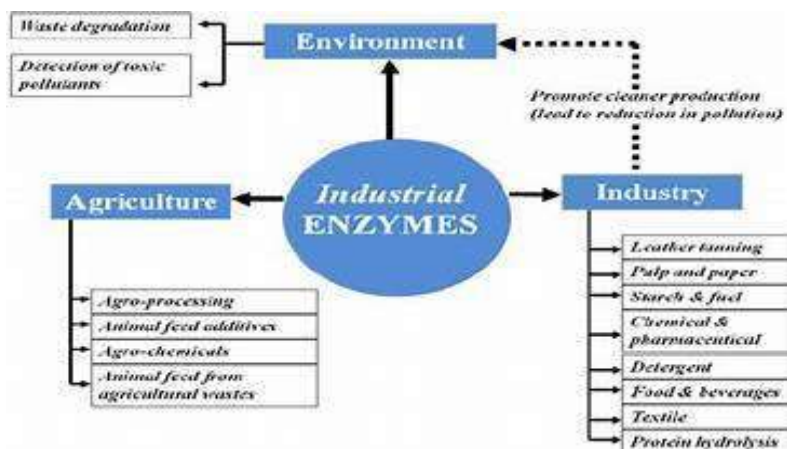
“Certificate course on Enzymology & its Industrial Applications”

Coordinator- Dr(Mrs) Damini R. Motwani

Session 2022-2023

daminimotwani7@gmail.com

9970999562



Course Duration: 30 Hours (Theory and Lab included)

Date: 5.12.2019

To,
The Principal,
Dada Ramchand Bakhru Sindhu Mahavidyalaya
Nagpur.

Subject: Request to approve Certificate Course on Enzymology and Industrial application

Respected Sir,

Kindly approve “**Certificate course on Enzymology and its Industrial application**”,
for the students of B.sc SEM III/IV. The proposal of certificate course syllabus and expenditure,
enclosed herewith.

Thanking you,

Encl: Course syllabus and expenditure

Yours' Sincerely,

(In-charge)
Dr(Mrs)Damini R Motwani
Assistant Prof.
Department of Biochemistry

DEPARTMENT OF BIOCHEMISTRY

2019 -2020

CERTIFICATE COURSE

IN

ENZYMOMOLOGY AND ITS INDUSTRIAL APPLICATION

Place-Department of Biochemistry

Dada Ramchand Bakhru Sindhu Mhavidyaiaya,Nagpur

Course Coordinator: Dr(Mrs) Damini R. Motwani

DEPARTMENT OF BIOCHEMISTRY
DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
NAGPUR

**CERTIFICATE COURSE IN ENZYMOLOGY AND ITS
INDUSTRIAL APPLICATION**

Department : Department of Biochemistry, Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Incharge : Dr (Mrs)Damini R.Motwani
Assistant Professor, Department of Biochemistry

Duration : 30 hrs
Theory: 15 hours
Practical: 15 hours

Registration fees : 300/-

Maximum capacity : 30 students /Batch

INTRODUCTION

Enzymes are well-known biocatalysts and their discovery is remarkable in the field of bioprocess technology. Enzymes are biocatalysts that catalyze various biochemical reactions in the living organisms. Apart from being catalytic in vivo, enzymes can also act as catalysts in vitro for various reactions. The enzymes find application in various industries, including food, feed, pharmaceutical, diagnostics, detergent, textile, paper, leather, and fine chemical industries and also have proven utility in bio-conversions and bioremediation. These bio-industries require enzymes possessing special characteristics for their applications in processing of substrates and raw materials. The special characteristics of enzymes are exploited for their commercial interest and industrial applications, which include: substrate specificity, tolerance and stability to a varied range of pH and temperature and other harsh reaction conditions, high rate of reaction and biodegradability. These unique properties of enzymes allow enzyme assisted processes in industry to run at milder reaction conditions, with improved yields and reduced waste generation. Industrial applications represent more than 80% of the global market of enzymes. Industrial production of enzymes requires a clear understanding of the associated scientific and technological issues.

OBJECTIVES

The course aims to provide students with understanding of basic fundamental principles of Enzymology. The students will learn and gain knowledge about mode of action of enzymes, factors affecting enzymes activities, isolation and purification of enzymes and industrial applications of enzymes.

Syllabus Theory

1. Brief introduction of enzymology, historical highlights.
2. Classification of enzymes.
3. Enzymes as proteins, their structure.
4. Enzyme - cofactor and substrate relationship.
5. Factors affecting enzymes activity like pH, temperature etc
6. Enzyme separation techniques.
7. Purification of Enzymes.
8. Enzyme Kinetics
9. Enzymes linked immunoassay techniques.

Syllabus Practicals

1. Colorimetric enzyme assay.

2. Coupled enzyme assay.
3. Determination of K_m & V_{max} of the enzymes
4. Column Chromatography
5. Partial purification of enzyme & enzyme kinetics
6. Enzyme Kinetics and determination of rate constant

FINANCIAL ASSISTANCE REQUIRED

S.No	Item	Estimated Expenditure
1	Guest Lecture Remuneration	3000/-
2	Laboratory/Hands on experiments	2000/-
3	Chemical and Glassware	3000/-
4	Study Material	1000/-
5	Miscellaneous	1000/-
	TOTAL	10000/-

Duration 30 hrs

Registration fees: 400/-

Maximum capacity: 30 students / batch

Visit to Enzyme industry

Study Material

Evaluations and Feedback



**Dada Ramchand Bakhru Sindhu Mahavidyalaya
Department of Biochemistry**



Date: 11th February 2020

NOTICE FOR CERTIFICATE COURSE

All the students of B.Sc Sem III/IV (MBBC) who have registered themselves for Biochemistry certificate course are hereby informed to remain compulsorily present for certificate course practical and theory classes starting from 15th Feb 2020. The title for certificate course is Enzymology and its industrial applications.

Damini
coordinator

Dr. Damini R. Motwani



Dada RamchandBakhru SindhuMahavidyalaya
Department of Biochemistry



Date:11th Fenurary 2021

NOTICE FOR CERTIFICATE COURSE

All the students of B.Sc Sem III/IV (MBBC) who have registered themselves for Biochemistry certificate course are hereby informed to remain compulsorily present for certificate course practical and theory classes starting from 15th Feb 2021. The title for certificate course is Enzymology and its industrial applications.

Dmotwani
coordinator

Dr. Damini R. Motwani



Dada Ramchand Bakhru Sindhu Mahavidyalaya
Department of Biochemistry



Date: 11th February 2022

NOTICE FOR CERTIFICATE COURSE

All the students of B.Sc Sem III/IV (MBBC) who have registered themselves for Biochemistry certificate course are hereby informed to remain compulsorily present for certificate course practical and theory classes starting from 15th Feb 2022. The title for certificate course is Enzymology and its industrial applications.

Damini R. Motwani
coordinator

Dr. Damini R. Motwani



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

Department of Management

**Certificate Course
in
Mutual Fund(Distributor)**

for BBA Final Year

Co-ordinator

**Mr. Pranay Wankhede
Asst. Professor
Dept. of Management**

<https://drbsmvnagpur.ac.in/>



CERTIFICATE COURSE IN **MUTUAL FUND (DISTRIBUTER)**

Syllabus

I. Investment Landscape

1. Understand the parameters of the Indian Economy Describe about Investors and their Financial Goals
2. Understand Savings and Investment
3. Discuss Different Asset Classes
4. Understand the classification of Investment Risks

II. Concept & Role of a Mutual Fund

1. Explain the concept of mutual fund
2. Understand the classifications of mutual funds
3. Describe the Growth of the mutual fund industry in India

III. Legal Structure of Mutual Funds in India

1. Describe the structure of mutual funds in India
2. Understand the key constituents of a Mutual Funds
3. Understand the organisation structure of [Asset Management Company](#)
4. Understand the role and support functions of service providers of mutual funds

IV. Legal and Regulatory Framework

1. Describe role of regulators in India
2. Discuss role of Securities and Exchange Board of India
3. Know the Due Diligence process followed by AMCs for distributors of mutual funds
4. Explain Investor Grievance and Redressal standards (Explain about SCORES)

V. Scheme Related Information

1. Understanding the Mandatory Documents and their purpose, objective and significance
2. Explain the Non-Mandatory Disclosures

VI. Fund Distribution and Channel Management Practices

1. Explain the role and importance of mutual fund distributors
2. Understand the classification of mutual fund distributors
3. Explain the modes of distribution
4. Understand the Pre-requisites to become Distributor of the Mutual Fund

VII. Net Asset Value, Total Expense Ratio and Pricing of Units

1. Discuss the Fair Valuation Principles
2. Compute net assets of a mutual fund scheme and NAV
3. Explain about Dividends & Distributable Reserves
4. Know about the Concept of Entry and Exit Load and its impact on NAV

VIII. Taxation

1. Understand Applicability of various taxes in respect of mutual funds
2. Understand about Capital gains, Capital gains (Long term & Short term) tax and Indexation.
3. Understand about the Dividend Income and Dividend Income tax
4. Understand the difference between dividend distribution tax and capital gains tax

IX. Investor Services

1. Describe the NFO Process
2. Explain about the New Fund [Offer Price](#) /On-going price for subscription
3. Discuss Different types of investment plans and options
4. Explain how the mutual fund units are allotted to the investor

X. Risk, Return and Performance of funds

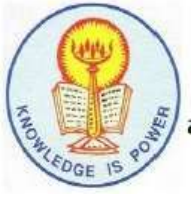
1. Understand the General and Specific Risk Factors
2. Explain the Factors that affect mutual fund performance
3. Describe Drivers of Returns and Risk in mutual fund Scheme
4. Understand the Measures of Returns

XI. Mutual Fund Scheme Performance

1. Explain the concept of Benchmarks
2. Compare Price Return Index and Total Return Index
3. Identify the [Basis](#) of choosing an appropriate performance benchmark
4. Describe the use of market benchmarks to evaluate Equity Fund Performance

XII. Mutual Fund Scheme Selection

1. Explain Scheme Selection based on Investor needs, preferences and risk-profile
2. Explain Risk Levels in mutual fund schemes
3. Explain Scheme Selection based on investment strategy of mutual funds
4. Explain Selection of Mutual Fund scheme offered by different AMCs or within the scheme category



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



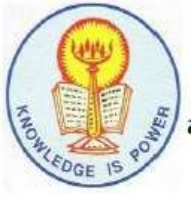
NOTICE
Department of Management
Certificate Course on Mutual Funds (Distributor)
2022-2023

This is to inform all the students of **BBA Sem VI (2022- 23)** that a Certificate Course on Mutual Fund (Distributor) will be starting from 8/2/2023 to 8/3/2023. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-
Mr Pranay Wankhede




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Certificate Course on Mutual Funds (Distributor)
2021-2022

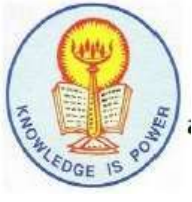
This is to inform all the students of **BBA Sem VI (2021- 22)** that a Certificate Course on Mutual Funds (Distributor) will be starting from 8/2/2022 to 8/3/2022. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Mr Pranay Wankhede




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Certificate Course on Mutual Funds (Distributor)
2020-2021

This is to inform all the students of **BBA Sem VI (2020- 21)** that a Certificate Course on **Mutual Funds (Distributor)** will be starting from 8/2/2022 to 8/3/2022. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Mr Pranay Wankhede




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

Dada Ramchand
Bakhru Sindhu
Mahavidyalaya
Nagpur

Department
of
Management

Certificate Course in

Event Management

for BBA Second Year

Mr Pranay Wankhede
Asst. Professor
Course Co-ordinator

Register now:
www.drbsmvnagpur.ac.in



CERTIFICATE COURSE IN **EVENT MANAGEMENT**

Syllabus

1: Principles of project/Event Management: From concept to reality Understanding project management - resources - activities - risk management - delegation - project selection - role of the Event Manager.

2: Preparing a proposal Conducting market research - establishing viability - capacities - costs and facilities - plans - timescales - contracts. Clarity - SWOT analysis - estimating attendance - media coverage - advertising - budget - special considerations - evaluating success.

3: Crisis Management plan Crisis planning - prevention - preparation - provision - action phase - handling negative publicity - structuring the plan.

4: Seeking sponsors Different types of sponsorship - definition - objectives - target market - budget - strategic development - implementation - evaluation.

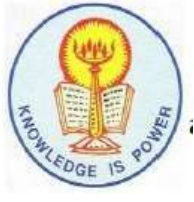
5: Organizing the event Purpose - venue - timing - guest list - invitations - food & drink - room dressing - equipment - guest of honor - speakers - media - photographers - podium - exhibition.

6: Marketing tools Types of advertising - merchandising - give aways - competitions - promotions - website and text messaging.

7: Media tools Media invitations - photo-calls - press releases - TV opportunities - radio interviews.

8: Promotional tools Flyers - posters - invitations - website - newsletters - ezone - blogs - tweets.

9: Evaluation Budget - cost of event - return on investment - media coverage - attendance - feedback. Lecture 10: Revision& final exam



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

**Department of Management
Certificate Course on Event Management
2022-2023**

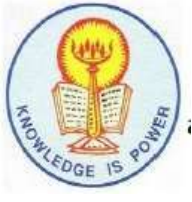
This is to inform all the students of **BBA Sem IV (2022- 23)** that a Certificate Course on Event Management will be starting from 8/2/2023 to 8/3/2023. The platform for the course will be Google Meet and the timings will be from 4 p.m. to 5 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Mr Pranay Wankhede




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Certificate Course on Event Management
2021-2022

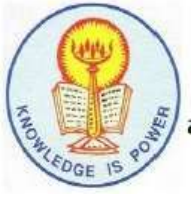
This is to inform all the students of **BBA Sem VI (2021- 22)** that a Certificate Course on Event Management will be starting from 8/2/2022 to 8/3/2022. The platform for the course will be Google Meet and the timings will be from 4 p.m. to 5 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Mr Pranay Wankhede




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Certificate Course on Event Management
2020-2021

This is to inform all the students of **BBA Sem VI (2020- 21)** that a Certificate Course on **Event Management** will be starting from 8/2/2021 to 8/3/2021. The platform for the course will be Google Meet and the timings will be from 4 p.m. to 5 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Mr Pranay Wankhede




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

**Dada Ramchand Bakhru Sindhu
Mahavidyalaya
Nagpur**

**DEPARTMENT OF
MANAGEMENT**

Certificate Course in

✓
Banking
✓

Miss Poorvi Tiwari

Course Co-ordinator
Department of Management

Register Now

CERTIFICATE COURSE

IN

BANKING

CO- ORDINATOR

Ms. POORVI TIWARI

DESIGNED

BY

DEPARTMENT OF MANAGEMENT

DRB SINDHU MAHAVIDYALAYA NAGPUR



2020-21

CERTIFICATE COURSE IN **BANKING**

**Conducted by Department of Management, Dada Ramchand
Bakhru Sindhu Mahavidyalaya, Nagpur**

Course details:

In charge	:	Ms Poorvi Tiwari
Duration	:	30hrs
Registration fees	:	Rs 500/-
Maximum capacity	:	100 students per batch
Evaluation	:	Examination and feedback.

Introduction :

The Certificate Course in Banking exposes students to the basic fundamentals and principles surrounding the field of banking. Students taking up this program are prepared for taking up future bachelor's degree and masters in the concerned stream. This prepares students in building a good base as future bankers. With the rapid growth in the industry of banking and a dearth of human capital necessitates to rope in more employees in national and private banks across the country.

Certificate Course in Banking provides a basic landmark for students in gaining pertinent overview dealing into the field. The course employs different methodologies of deposits, savings, the scenario of the global financial market, history of banking, its policies and difference between nationalized, cooperative and private banking sector thus building a strong base for those who wish to take up further course concerning the stream of banking.

Certificate Course in Banking curriculum is designed in a balanced manner giving equal importance to theory as well as practice. They are instilled with the knowledge of calculating data, working on the balance sheet, debt, and assets, in addition, to a general understanding of the financial sector. The course

emphasizes on building in students the ability of innovation, leadership skills, interpersonal abilities, latest technology and much more.

Certification Course in Banking is an extremely career-oriented field which paves them future prospects in areas of RBI, Regional Reserve Banks, Commercial and Nationalized Banks. Students can also take up Bachelor's and Master's degree in the field opening greater opportunities to work as P.O.s, in banks like ICICI, HDFC, ISBC, Kotak Mahindra and much more. The overall aim of the program is building in the students the required competence to work as bankers and economists in future.

Objectives

- **E**xplain the development of the banking sector.
- List the concept and definitions of the customer service.
- List the different bank accounts and types of deposits.
- Discuss the legal aspects of commercial paper and the clearing settlements.
- List the various operations of retail banking.
- Define basic communication skills.
- Explain the basics for the analysis of credit and finance.
- Explain the concepts of SME Banking and tools of finance.
- Explain foreign trade operations.
- Demonstrate professional Writing through CV and Interview skills.
- Discuss Business Awareness: Written Communication, Etiquette at Workplace, and Presentation Skills.

Expenditure:

Tentative Recurring Expenditure

Sr. No	Particulars	Cost
1.	Remuneration to guest faculties	3000/-
2.	Remuneration to regular faculties	15000/-
3.	Stationary	1000/-
4.	Miscellaneous	2000/-
TOTAL		21000/-

Teacher In-charge

Ms Poorvi Tiwari

CERTIFICATE COURSE IN **BANKING**

Syllabus

Unit I: Commercial Banking

Evolution, Meaning, Definition, Functions of Commercial Banks. Role commercial banks in a developing economy. Process of Credit Creation by Commercial Banks, Limitations in Credit Creation Process of Commercial Banks, Investment Policy of Commercial Banks. Assets and Liabilities Management (ALM)- Meaning, Objectives, Importance, Constituents, Ingredients of ALM. Non-Performing Assets- Meaning, Criteria and Causes.

Unit II: E-Banking & Core Banking

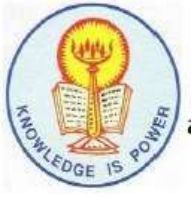
Meaning, Nature, Features, Essential Factors, Advantages & Disadvantages of ATM(Automated Teller Machines.) Meaning, Features, Merits and Demerits of Credit cards, Plastic cards, Smart cards, e-purse, Laser cards. Meaning, Features, Merits and Demerits of Automated Clearing House, Online Banking, Advanced Ledger Posting Machines, MICR Technology, Cheques clearing, EFT (Electron Fund Transfer), Internet Banking, e-cheque, ECS (Electronics clearing system).

Unit III: Banks and Customers Relationship and Services

Introduction, Meaning of Customer. Bank & Customer Relationship- Debtor & creditor, Trustee and Beneficiary, Agent and Principal, Bailor and Bailee. Opening, operating and closing of various bank accounts. Demat Account - Advantages, Opening and Operation of Demat Account. Buying and selling of demat securities. Methods of Calculating Interest Rates-On deposits, on loans, on cash credits, on overdraft facilities. Banker's Rights & Obligations.

Unit : IV Central Bank

Introduction, Meaning, Objectives, Functions, Role of Central Bank. Central Bank as a professional & Regulatory Organization & Management. Credit Control- Meaning, Objectives, Methods : Quantitative- Bank Rate, Open Market Operations, Cash Reserve Ratio(CRR), Statutory Liquidity Ratio(SLR), Repo Rate. Qualitative – Varying margin requirement, Regulation of consumer's credit, Issuing directives, Publicity measure, Moral suasion, Credit rationing and limitations. Impact of Monetary Policy. International Monetary Fund (IMF)- Meaning, Objectives, Need, Functions & Working.



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya
Samiti



NOTICE

**Department of Management
Certificate Course on Banking
2022-2023**

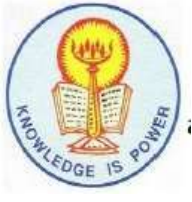
This is to inform all the students of **BBA Sem IV (2022- 23)** that a Certificate Course on Banking will be starting from 10/12/2022 to 11/11/2022. The platform for the course will be Google Meet and the timings will be from 4 p.m. to 5 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Miss Poorvi Tiwari




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

**Certificate Course on Event Banking
2021-2022**

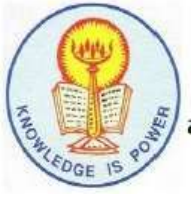
This is to inform all the students of **BBA Sem VI (2021- 22)** that a Certificate Course on Banking will be starting from 15/11/2021 to 15/12/2021. The platform for the course will be Google Meet and the timings will be from 4 p.m. to 5 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Miss Poorvi Tiwari




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Certificate Course on Banking
2020-2021

This is to inform all the students of **BBA Sem VI (2020- 21)** that a Certificate Course on **Banking** will be starting from 19/11/2020 to 19/12/2022. The platform for the course will be Google Meet and the timings will be from 4 p.m. to 5 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Miss Poorvi Tiwari




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

*DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
Panchpaoli, Nagpur*



Certificate Course on M.Commerce & Online Transactions

Department Of Commerce B.Com Sem VI

Course Contents-

- Types of Mobile Commerce Services
- Mobile Marketing & Advertising Tools
- Mobile Advertising & Brand Building
- Concepts & Components of E- Commerce
- Career Opportunities in E- Commerce
- Mobile Applications
- Mobile Auction, Mobile Distance Education
- Social Media- Applications, Opportunities, Challenges & Precautions
- Security aspects of E-Commerce
- E- Payment Methods & Mobile Banking



Course Coordinators-
Mr. G. G. Rughwani
Dr. Bhavna Choudhary



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



Permission Letter
Department of Commerce
Certificate Course on M. Commerce and Online Transactions
2022-2023

To,
The Principal
Dada Ramchand Bakhru Sindhu Mahavidyalaya
Nagpur
Subject : Permission to conduct Certificate Course .
Respected Sir,

I hereby submit a proposal to conduct Certificate Course entitled **M. Commerce & Online Transactions** for the student of B com Final year (Sem VI). This certificate course aims to provide practical knowledge, understanding, analysis and training of the opportunities and scope for business and trading through M-Commerce.

The curriculum of this course will help the students in understanding of the foundations and importance of M-Commerce & E-Commerce, retailing and trading in M-Commerce & E-Commerce, analyse the impact of M-Commerce on the growth of business, an understanding of the legal issues and privacy in M-Commerce, assess Electronic Payment System, an understanding of the challenges and precautions to be taken while using social media for trading. The course was successfully conducted in the previous session.

I therefore request you to grant me the permission for the above said Certificate Course.

Thank you
Yours sincerely
Dr. G.G. Rughwani,
Dr. Bhavna Choudhary.
(Course Coordinators)




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



Permission Letter
Department of Commerce
Certificate Course on M. Commerce and Online Transactions
2021-2022

To,
The Principal
Dada Ramchand Bakhru Sindhu Mahavidyalaya
Nagpur
Subject : Permission to conduct Certificate Course .
Respected Sir,

I hereby submit a proposal to conduct Certificate Course entitled **M. Commerce & Online Transactions** for the student of B com Final year (Sem VI). This certificate course aims to provide practical knowledge, understanding, analysis and training of the opportunities and scope for business and trading through M-Commerce.

The curriculum of this course will help the students in understanding of the foundations and importance of M-Commerce & E-Commerce, retailing and trading in M-Commerce & E-Commerce, analyse the impact of M-Commerce on the growth of business, an understanding of the legal issues and privacy in M-Commerce, assess Electronic Payment System, an understanding of the challenges and precautions to be taken while using social media for trading. The course was successfully conducted in the previous session.

I therefore request you to grant me the permission for the above said Certificate Course.

Thank you
Yours sincerely
Dr. G.G. Rughwani,
Dr. Bhavna Choudhary.
(Course Coordinators)




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya
Samiti



Permission Letter
Department of Commerce
Certificate Course on M. Commerce and Online Transactions
2020-2021

To,
The Principal
Dada Ramchand Bakhru Sindhu Mahavidyalaya
Nagpur
Subject : Permission to conduct Certificate Course .
Respected Sir,

I hereby submit a proposal to conduct Certificate Course entitled **M. Commerce & Online Transactions** for the student of B com Final year (Sem VI). This certificate course aims to provide practical knowledge, understanding, analysis and training of the opportunities and scope for business and trading through M-Commerce.

The curriculum of this course will help the students in understanding of the foundations and importance of M-Commerce & E-Commerce, retailing and trading in M-Commerce & E-Commerce, analyse the impact of M-Commerce on the growth of business, an understanding of the legal issues and privacy in M-Commerce, assess Electronic Payment System, an understanding of the challenges and precautions to be taken while using social media for trading. The course was successfully conducted in the previous session.

I therefore request you to grant me the permission for the above said Certificate Course.

Thank you
Yours sincerely
Dr. G.G. Rughwani,
Dr. Bhavna Choudhary.
(Course Coordinators)




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

CERTIFICATE COURSE ON M. COMMERCE AND ONLINE TRANSACTIONS

Objectives of the course:

- The objective of the course is to familiarize the students with the essentials of internet based M-commerce and to make them comprehend its practical aspects as well as growth potential of M-commerce and E-commerce in India.
- To equip the students about the driving force behind the E-Commerce and M-Commerce revolution.
- To present concepts and skills for the strategic use of M-Commerce and E-Commerce and related information technology from three perspectives: Business To Consumers, Business To Business and Business to Government.
- To educate the students about the role of M-Commerce and E-Commerce in altering the structure of entire industries.
- To equip the students about its impacts on the business processes including electronic transactions, supply chains, decision making and overall organizational performance.

Duration of Course: 30 hours

Fees for the course: 500/-Rs.

Coordinator of course: Dr. (Mrs.) Bhavna Choudhary.

SYLLABUS

UNIT: I INTRODUCTION OF MOBILE COMMERCE:

Introduction of M–Commerce, Types of Mobile Commerce Services, Its Benefits and Limitations, Mobile Marketing & Advertising tools, Role of Mobile Advertising in building a brand. Anytime, Anywhere Commerce, impact of mobile on e-commerce.

UNIT II: BASICS OF E-COMMERCE:

Meaning and concepts of e-commerce, Essential components of e-commerce, Benefits of e-commerce, Limitations of e-commerce and E-commerce v/s Traditional commerce, History of Internet, Growth of internet users in India, Current scenario of e-commerce in India, Career opportunities in e-commerce.

UNIT: III M-COMMERCE APPLICATIONS:

Mobile applications (Mobile apps), Mobile business services, Mobile auction, Mobile distance education, Mobile information access.

Social Media: concept of social media, applications of social media, opportunities, challenges and precautions to be taken while using social media.

Security: Challenges of E-Commerce and M-Commerce, Protection Methods for E-commerce and M-commerce.

UNIT: IV E-PAYMENT METHODS:

Concept of electronic banking, online banking services, benefits of online banking, **E-payments options:** Electronic fund transfer (EFT), Credit cards and debit cards based payment, Use of mobile applications (apps) for e-payment, modes of cashless transactions- USSD, UPI, Point of Sales, Mobile Banking.

Outcomes of the course:

The phenomenal revolution in the last few years in the Internet and related technologies has opened new doors for communication and trading. Now, there are much easier and less costly ways of doing the things we would do. Today, the participating industries as well as the entire supply chains are being re-engineered.

Following are the intended outcomes of the course-

- An understanding of the foundations and importance of M-Commerce & E-Commerce
- An understanding of retailing and trading in M-Commerce & E-Commerce.
- An understanding and analysis of the opportunities and scope for business and trading through M-Commerce.
- Analyse the impact of M-Commerce on the growth of business.
- Describe internet trading relationships including Business To Consumers, Business To Business and Business To Government.
- An understanding of the infrastructure of E-Commerce
- An understanding of the legal issues and privacy in M-Commerce.
- Assess Electronic Payment System
- Recognize and discuss global E-Commerce issues.
- An understanding of the challenges and precautions to be taken while using social media for trading.



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce

Certificate Course on M. Commerce and Online Transactions 2022-2023

This is to inform all the students of **B. Com Sem VI (2022- 23)** that a Certificate Course on M. Commerce & Online Transactions will be starting from 8/2/2023 to 8/3/2023. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. G.G. Rughwani

Dr. Bhavna Choudhary




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce

Certificate Course on M. Commerce and Online Transactions 2021-2022

This is to inform all the students of **B. Com Sem VI (2021- 22)** that a Certificate Course on M. Commerce & Online Transactions will be starting from 21/02/2021 to 21/3/2022 The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. G.G. Rughwani

Dr. Bhavna Choudhary




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya
Samiti



NOTICE

Department of Commerce

Certificate Course on M. Commerce and Online Transactions 2020-2021

This is to inform all the students of **B. Com Sem VI (2020- 21)** that a Certificate Course on M. Commerce & Online Transactions will be starting from 1/2/2023 to 1/3/2023. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Course Coordinators-

Dr. G.G. Rughwani

Dr. Bhavna Choudhary




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Certificate course in Hydroponics

Duration:
3 Months

Objective:

- To develop technical skill of the students.
- To provide self employment oppournity to the students.
- To apply horticultural knowledge to hydroponic culture.

Coordinator – Dr Megha Bhambri
Assistant Professor
Department of Botany

SYLLABUS

HYDROPONICS (Certificate Course)

Session 2020 – 2021

THEORY SYLLABUS

Unit I:

- Introduction to Hydroponic Technology.
- Importance of Hydroponics.
- Hydroponics in India.
- Scope of Hydroponics.

Unit II:

- Material required for Hydroponics.
- Different types of Hydroponic system- NFT – Nutrient Film Technique, DFT – Deep Flow Technique, Ebb & Flow, Wick System, Drip method, Aeroponics .
- Identify the crops and their suitability to hydroponics system.
- Illustrate the principal factors involving EC and pH.

Unit III:

- Estimate requirements for nutrient media.
- Estimate and ensure electricity requirements of the hydroponics system.

Unit IV:

- Familiarize with the concepts and importance of post-harvest management including cooling, cleaning, sorting, grading and packing.
- Proper maintenance of Hydroponic unit.

PRACTICAL SYLLABUS

- Identify crops/plants suitable for hydroponics.
- Choose the appropriate hydroponic technique for growth.
- Identify different kinds of substrates to be used for cultivation.
- Choose an appropriate nutrient circulation method.
- Choose appropriate nursery growing medium for seed germination.
- Provide proper support especially in the case of tall growing intermediate crop varieties (tomatoes, cucumber), or crops bearing relatively heavy fruits (bell pepper, egg plant).
- Carry out irrigation of plants either manually or using drip irrigation system.
- Detect pests and carry out removal as per standard guidelines.
- Proper maintenance of Hydroponics unit.

NOTICE

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA,
NAGPUR
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "HYDROPONICS"
SESSION 2022-2023

Classes for Certificate course in "Hydroponics" will commence from 12th September 2022. All the enrolled students of B.Sc. (CBZ) should attend the classes regularly.

M. N. Bhambri

Dr. M. N. Bhambri

Course Co-ordinator

NOTICE

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA,
NAGPUR
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "HYDROPONICS"
SESSION 2021-2022

Classes for Certificate course in "Hydroponics" will commence from 1st February 2022. All the enrolled students of B.Sc. (CBZ) should attend regularly.



Dr. M. N. Bhambri

Course Co-ordinator

NOTICE

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA,
NAGPUR
DEPARTMENT OF BOTANY
CERTIFICATE COURSE IN "HYDROPONICS"
SESSION 2020-2021

Classes for Certificate course in "Hydroponics" will commence from 3rd February 2021 from 1:30 p.m. to 2:30 p.m. All the enrolled students of B.Sc. (CBZ) should attend regularly.

M. N. Bhambri

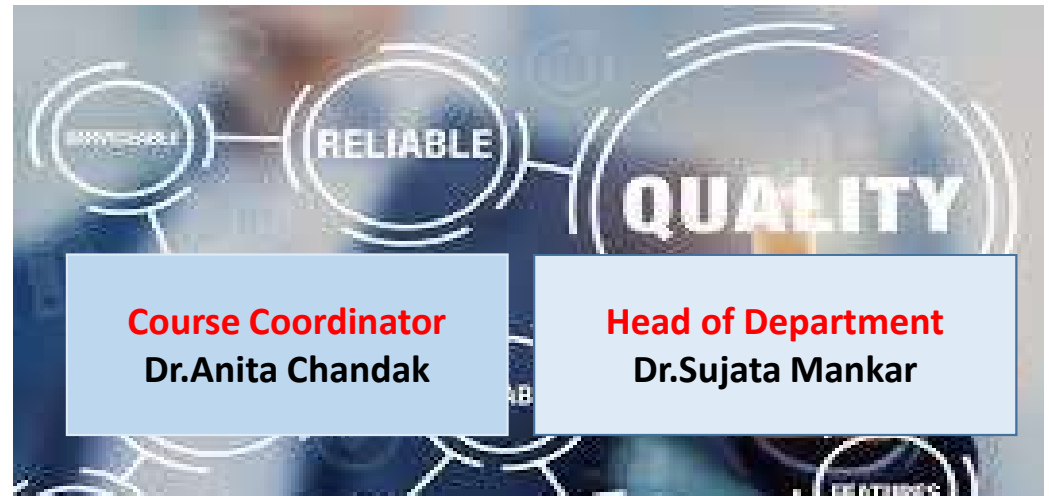
Dr. M. N. Bhambri

Course Co-ordinator

Certificate course on Food Safety and Quality Management

Course Contents:

Understanding the implementing guidelines of food safety system
Basics of Microbiology
Different Types of Food
Basics of Food Safety and Personal Hygiene
Implementation of Food Safety
Food Preservation methods



Course Duration: 30 hours [Theory and Lab included]



DEPARTMENT OF MICROBIOLOGY
Dada Ramchand Bakhru Sindhu Mahavidyalaya



CERTIFICATE COURSE
IN
FOOD SAFETY AND QUALITY
MANAGEMENT

DEPARTMENT OF MICROBIOLOGY
DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
NAGPUR

CERTIFICATE COURSE IN FOOD SAFETY AND QUALITY MANAGEMENT

Department : Department of Microbiology, Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Incharge : Dr (Mrs) A. M. Chandak
Assistant Professor, Department of Microbiology

Duration : 30 hrs

Registration fees : 400/-

Maximum capacity : 30 students /Batch

INTRODUCTION

The main concerns of the food industry are the safety of products and brand reputation. Organisations that produce, manufacture, handle or supply ingredients and food recognize the need to assure customers that their products are safe and free from contamination. Failures in the food supply chain can not only be dangerous to customers but prove costly in terms of company reputation, financial penalties and shareholders' value. Food is an essential part of everyday life and managing its preparation is important to make sure the food you serve is safe to eat. High profile food related incidents such as those involving Salmonella and E.coli have only served to increase general awareness of food safety issues. Changes to the food safety legislations will require that all food business, including caterers, apply food safety management procedures based on the principles of Hazards Analysis and Critical Control Point (HACCP) to their business.

OBJECTIVES

To impart students with basic knowledge relating to food safety and principles of preservation.

To familiarize students with food safety for employment in food industry.

Participants will gain knowledge on

- Understanding the implementing guidelines of food safety system
- Basics of Microbiology
- Different Types of Food
- Basics of Food Safety and Personal Hygiene
- Implementation of Food Safety
- Food Preservation methods

SYLLABUS

Unit I Introduction to Food Safety and Preservation

Unit II Purpose and Scope of Preservation

- Objective of preservation and processing
- Scope of preservation industry

Unit III Post harvest changes in fruits and vegetables and Spoilage

- Physical Chemical and microbiological changes in fruits and vegetables
- Factors affecting growth of microorganism and control major

Unit IV Food pathogens and its detection methods

- Isolation and identification of pathogens in food
- Detection of coliforms in food sample
- Detection of Salmonella

Unit V Food safety and Quality Management

- Key terms, factor affecting food safety
- Food additive and contaminants
- Hygiene and sanitation
- HACCP

- **PRACTICALS**

1. **Methods of Sterilization**
2. **Microbiological Sampling and Testing**
3. **Standard Plate Count Method**
4. **Direct Microscopic examination of Food**
5. **Detection of Pathogen in food**
6. **Interpretation of Microbiological data and its Inferences**

FINANCIAL ASSISTANCE REQUIRED

S.No	Item	Estimated Expenditure
1	Guest Lecture Remuneration	3000/-
2	Laboratory/Hands on experiments	3000/-
3	Chemical and Glassware	7000/-
4	Study Material	1000/-
5	Miscellaneous	1000/-
	TOTAL	15000/-

Duration 30 hrs

Registration fees: 400/-

Maximum capacity: 30 students / batch

Visit to Food Industry

Study Material

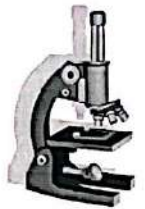
Evaluations and Feedback

S.A.M.
3/12/2019
(H.O.D)

Dr. Mrs. S.A. Mankar
Deptt. of Microbiology.

A.M.Chandak

(In-charge)
Dr. A.M.Chandak
Assistant Prof.
Department of Microbiology



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF MICROBIOLOGY
SESSION 2022-23

NOTICE

All the students of B.Sc Microbiology semester I /II and Semester III/IV are hereby inform that those who have Enrolled for following certificate course should contact course coordinators .

Certificate course Biofertilizer Production B.Sc Semester I/II
Dr Sujata Mankar

Classes will Commence from 15 th Jan onward

Certificate course Food Safety and Quality Management III/IV
Dr Anita Chandak

Classes will from 15 th December onward

Dr Chandak

Course Coordinator

Dr A. M. Chandak

Sanjiv

Course coordinator

(Certificate course -
Biofertilizer Production)



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF MICROBIOLOGY

SESSION 2021-22

NOTICE

All the students of B.Sc Microbiology semester I /II and Semester III/IV are hereby inform that those who have Enrolled for following certificate course should contact course coordinators . Classes will commence from 15 December onwards

Certificate course Biofertilizer Production B.Sc Semester I/II

Dr Sujata Mankar

Certificate course Food Safety and Quality Management III/IV

Dr Anita Chandak

Course Coordinator

Dr A M. Chandak

Course coordinator

(Dr. S. A. Mankar)



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
DEPARTMENT OF MICROBIOLOGY

SESSION 2020-21

NOTICE

All the students of B.Sc Microbiology semester I /II and Semester III/IV are hereby inform that those who have Enrolled for following certificate course should contact course coordinators .

Certificate course Biofertilizer Production B.Sc Semester I/II
Dr Sujata Mankar
Commencement of classes will be from 15 January onwards

Certificate course Food Safety and Quality Management III/IV
Dr Anita Chandak
Commencement of classes will be from 1 march onwards

Course Coordinator
Dr A M. Chandak

Course coordinator
(Dr. S. A. Mankar)



CERTIFICATE COURSE IN WATER QUALITY TEST AND ANALYSIS

Facility – Analysis of Physico-chemical parameter of water

Objectives :

- Skill enhancing for job, self-employment and students employment.
- Career oriented with focus on quality and excellence.
- Knowledge, skill and attitude for gainful employment.



**Department of Chemistry,
Dada Ramchand Bakhru Sindhu Mahavidyalaya,
Nagpur
Co-ordinator
Dr. Mangesh B. Thakre**

CERTIFICATE COURSE IN WATER QUALITY TEST AND ANALYSIS

Organized by

**Department of Chemistry,
Dada Ramchand Bakhru Sindhu Mahavidyalaya,
Nagpur**

Session 2018-2019

Co-ordinator

Dr. Mangesh B. Thakre

CERTIFICATE COURSE IN WATER QUALITY TEST AND ANALYSIS

In-Charge : Dr. Mangesh B. Thakre

Duration : 32 Hours.

Registration : Rs. 200/-

Maximum capacity : 20 student / Batch

Introduction :

Monitoring water quality by testing it regularly is an important part of maintaining a safe and reliable source. It is important to test the suitability of water quality for its intended purpose, whether it is livestock water, irrigation, spraying or drinking water. “Choosing the best testing method methods for samples comes down to good lab communication” common factors influencing the type of water tests needed are discussed.

Government organization looking to regulate water to safeguard against environmental and health risks, to homeowners wanting to ensure their water is safe for consumption.

Objectives :

- The objective of this scheme is to introduce career and market oriented skill enhancing for job, self-employment and students employment.
- At the end of the course the students will be equipped with a certificate in add on orientation with a conventional degree of science or commerce.
- To make the current Indian higher education system more relevant and career oriented with focus on quality and excellence.
- Knowledge, skill and attitude for gainful employment in the wage sector in general and self employment in particular.

NOTICE

The students of B.Sc. Semester II are hereby informed that the certificate course programme of water quality test and analysis will be start from 11/01/2019.

The schedule of theory and practical is as follows.

Days	Theory	Practical
Friday	2.00pm – 3.00pm	3.00pm – 5.00pm
Saturday	2.00pm – 3.00pm	3.00pm – 5.00pm

Date - 09/01/2019



Programme Coordinator

Dr. M. B. Thakre

NOTICE

The students of B.Sc. are hereby informed that the test examination of certificate course water analysis is scheduled on 29/04/2019.

The schedule of theory and practical is as follows.

Sr.No	Time	Room No.
1 - 22	2.00 pm - 3.00 pm	GF - 09

Date - 24/04/2019



Programme Coordinator

Dr. M. B. Thakre

NOTICE

The students of B.Sc. Semester II are hereby informed that the certificate course programme of water quality test and analysis will be start from 12/02/2020.

The schedule of theory and practical is as follows.

Days	Theory	Practical
Friday	2.00pm – 3.00pm	3.00pm – 5.00pm
Saturday	2.00pm – 3.00pm	3.00pm – 5.00pm

Date - 05/02/2020



Programme Coordinator

Dr. M. B. Thakre



DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR

DEPARTMENT OF BOTANY



“Floriculture and Landscape Gardening”
3 Month Certificate course

CO-ORDINATOR: DR. SANDEEP HATE



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya
Samiti



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur. Department of Botany

CERTIFICATE COURSE IN "FLORICULTURE & LANDSCAPE GARDENING"

Course Details :-

In-charge:	Dr. S.G. Hate
Duration :-	3 month {36 hrs}
Registration Fees :-	Rs. 200 /-
Maximum Capacity :-	40 student /Batch
Evaluation:-	Examination and feed back

Introduction :-

Floriculture is growing plants for its beautiful flowers. Demand of flower is increasing day by day because change in human attitude towards social and religious values. Flowers are now used in almost all functions in India due to which its domestic demand is rapidly increasing. Flowers like Roses, Gerbera, Chrysanthemum and orchids are in great demand. Annual growth potential of floriculture industry is about 25-30 %. Due to increasing in domestic need of flowers, the career scope in the field of Floriculture is also increasing. So to enhance the future of students we are going to run the course in our college.

Landscape design is the art of arranging or modifying the features of a yard, an urban area, etc., for practical reasons. Students of the field become acquainted with a number of

Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17.



Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



concepts that deal with how the viewer perceives the layout of a landscape and how the designer can change that perception.

Objective:-

- To develop technical skill of the students to established home garden
- To acquainted the students with garden tools and equipment
- To provide self employment opportunity to the students
- To utilised Westland by developing landscape designing

Syllabus

Unit I

1. Introduction and history of Floriculture & landscape Gardening
2. Scope of Floriculture and Landscape Gardening
3. Commercial Floriculture
4. Some famous gardens of India

Unit II

1. Introduction to Landscape Design Process.
2. Site analysis and site planning.
3. Miniature landscape/garden
4. Introduction to planting patterns, techniques and plants for floriculture.
(Eg. Rose, Chrysanthemum, Spinach, Wheat, Cheery tomato, Gladiolus)

Unit III

1. Methods of propagation- Vegetative, Budding, grafting & Seeds.
2. Seed Germination
3. Cultivation of Plants in pots
4. Transfer & Cultivation of seedling

Unit IV

1. Role of Plant growth regulator
2. Mannure and Insecticides



Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17.



Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya
Samiti



3. Flower shows and garden competitions
4. Flower arrangement

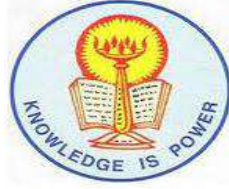
Practical Syllabus

1. Study of Garden tools and Accessories
2. Designing of Layout for lawn/ garden for home, School, College, public building and parks ; Area measurement, Volumes, Layout-planning, Different Designs
3. Preparation of Land/pots for gardening
4. Identification of plant & Seed sowing
5. Raising of Root stocks
6. Preparation of potting mixture, potting and transplantation
7. Nourishment -Growth regulator, Manures & Pest control of plant / layout
8. Practing of Budding & Grafting
9. Flower arrangement & competition

Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17.



Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



SINDHI HINDHI VIDHYA SAMITI

DRB SINDHU MAHAVIDYALAYA, PANCHPAOLI NAGPUR

DEPARTMENT OF COMPUTER SCIENCE

SHORT - TERM CERTIFICATE COURSES ON

"OFFICE AUTOMATION"

PROPOSED BY DEPARTMENT OF COMPUTER SCIENCE

PROGRAM CO-ORDINATOR : PROF. RAKESH GEDAM

SYLLABUS FOR CERTIFICATE COURSE IN OFFICE AUTOMATION

Duration : 80 Hrs (Theory, Practical, Project and Assessment)

Syllabus:

Chapter 1 : Basic of computer

Overview Of a Computer, Functional Components of a computer (Working of each unit), Evolution Of Computers , Generations Of Computers

Chapter 2 : Operating system (Windows XP)

Definition of Operating System , Functions of OS , Windows concepts, Features, Windows Structure, Desktop, Task bar, Start Menu, My Computer, Recycle Bin, Windows Accessories, calculator, Notepad, Paint, Word pad, Character Map, Windows Explorer, Entertainment, Using scanner

Chapter 3 : Introduction to MS Office

MS –Word: Typing, Editing, Proofing & Reviewing, Formatting Text & Paragraphs, Automatic Formatting and Styles, Working with Tables, Graphics and Frames, Mail Merge, printing Documents

Ms-Powerpoint : Getting started in Power Point, Creating a presentation, Creating & editing slides, Previewing a slide show, Adding picture & graph, Adding sound & video, Adding autoshape, Animating objects.

Ms – Access: ,Access Basics , Design a Database, Build a Database , Work with forms , Sort ,Retrieve , Analyze the data

Ms Excel Spreadsheet : Working & Editing In Workbooks, Creating Formats & Links, Formatting a Worksheet & creating graphic objects, Creating Charts (Graphs), formatting and analyzing data, Organizing Data in a List (Data Management), Sharing & Importing Data, Printing

Chapter 4 : Communicating using Internet

E-mail , e-mail address, finding e-mail address, adding signature, attaching files, opening attachments, managing e-mail account, yahoo Mail, Voice and Video chat etc

Chapter 5 : WWW & Web Browsers

What is www, search engine, Definition of browsers , types of browser, mobile browsers ,Website etc.



Sindhi Hindi Vidya Samiti
DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA
Kaka Tilokchand Rughwani Marg, Panchpaoli Nagpur - 440 017
Session 2018-2019
Department Of Computer Science

Notice

All the student of BSc (Computer Science) – SEM I hereby informed that the certification course on office Automation will be scheduled from 16th July 2018 onwards as per schedule time table .

BY Office Order

Mr. Rakesh Gedam

Assist Prof & Head

Department of computer science

16/02/2018

DADA RAMCHAND BAKHRU SINDHU
MAHAVIDYALAYA, NAGPUR



DEPARTMENT OF COMMERCE
CERTIFICATE COURSE 2021-22

**FUNDAMENTAL TRAINING FOR
COMPETITIVE EXAMS**

1. BASIC INFORMATION ABOUT THE COURSE

1.1 Course Title

Course Name:	Fundamental Training for Competitive Exams
Formal Abbreviation:	FTCE
Proposed Date of Introduction:	NOVEMBER 2021

1.2 Course Proposer

In House Faculty :Name:	Dr Anushree Mahajan
Designation	Assistant Professor
Department	Commerce
Phone:	9021660615
Email:	mahajananushree50gmail.com

1.3 Organisational Arrangements

Managing Faculty:	Commerce
External Partners:	Experts will be called for guidance as and when required

2. NEED FOR COURSE

Cracking competitive exams takes more than just studying. For many, the journey starts at least two or three years before taking the exam i.e during their graduation .

Early preparation gives them time to learn new concepts and decode complex ones.

Students need to supplement their regular academic curriculum. They also need access to top educators, structured courses, practice tests and mock tests.

But, for many, getting access to alternate support is a competition in itself. This certificate course will help them to get the fundamental knowledge and training for all important competitive exams which will increase their employability.

3. COURSE PLANNING DETAILS

Duration of Course : 30 Hours

Fees: Rs. 500 per student

Batch size : 60 students

ONLINE : 120 Students

Subjects Covered: 1. General Awareness
2. Quantitative Aptitude
3. English Language
4. Reasoning

3.3 Admission Requirements: A student admitted to DRB Mahaviyalaya for UG in Commerce Stream for B.com (Final year)

3.4 Educational Objectives and Outcomes

Specific learning outcomes deriving from the course (i.e. knowledge, skills and attitudes)

- To extend the knowledge, expertise and skill of students through a systematic training for competitive exams.
- To gain access to relevant training required to face competitive exams ;
- To develop advanced logical reasoning skill and written communication skills;
- To provide extended knowledge of functional English
- To contribute to the improvement of professional practice through mock tests.

Course will only be offered in the college after the regular classes.

Space requirements: A room equipped with Projector and screen to accommodate 60 student.

Syllabus:**General Awareness**

Current Affairs	Indian Financial System
Indian Banking System	Banking Awareness
Banking History	Monetary Plans
Economic News	National and International Institutions
Abbreviations	Government Schemes
Banking Agreements	Sports News
Awards	Books and Authors
About Maharashtra	Basics of IT
Static GK – General Knowledge about Dams, Sanctuaries, National Parks, Stadiums, Airports, Currency, etc.	

Quantitative Aptitude

Ratio & Proportion	Mensuration
Percentage	Average
Speed, Time and Distance	Time and Work
Permutation and Combination	Mixture and Alligation
Data Interpretation	Probability
Stocks and Shares	Simplification
Quadratic Equations	Inequalities
Number Series	Upstream and Downstream
Profit and Loss	Simple and Compound Interest

English Language

Reading Comprehension	Cloze Test
Fill in the Blanks	Sentence Rearrangement
Jumbled Words/Sentences	Error Spotting
Sentence Framing	Match the columns
Vocabulary	Grammar
Tenses Rules	Idioms & Phrases

Reasoning Ability

Puzzles	Seating Arrangement
Inequalities	Direction Test
Blood Relation	Syllogism
Input-Output	Data Sufficiency
Machine Input	Coding-Decoding
Ranking	Alphanumeric series



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

Department of Commerce

Certificate Course Fundamental Training for Competitive Exams

2020-2021

This is to inform all the students of **B. Com Sem V (2020- 21)** that a Certificate Course **Fundamental Training for Competitive Exams** will be starting from 20/10/2020 to 20/11/2020. The platform for the course will be Google Meet and the timings will be from 3 p.m. to 4 p.m. All the students must attend the course compulsorily.

Anushree Mahajan

Course Coordinator-

Dr. Anushree Mahajan



VP
Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

Dada Ramchand Bakhru Sindhu Mahavidyalaya , Nagpur

Certificate Course on Tally with GST

Department of Commerce

M.Com 1st Year



Course Content:

- Introduction to Tally ERP 9
- Fundamentals of Accounting
- Mastering Tally Features:
- Recording Transactions in Tally
- Advanced Tally Operations
- Introduction to GST
- GST Implementation in Tally
- GST Compliance and Documentation
- Practical Exercises and Case Studies

Course Coordinator

Pravin Kamthe

Proposal for Certificate course Tally with GST

About the course on Tally with GST:

The Certificate Course on Tally with GST is a certification program for candidates who have successfully obtained their graduate degree in commerce and management. Goods and Services Tax is an indirect tax imposed in India on the supply of Goods and Services. The implementation of this tax has brought new changes and agreements in businesses. To gain a better understanding and insights of the GST, we have introduced a course on Tally with GST. It is an excellent choice for those looking to build a career in accounting. Tally software is a complete accounting, taxation, payroll and monetary transactions recording software. Some more essential aspects of this course are: Tally ERP 9 with GST is being used by business organizations to maintain their books of accounts. It helps in keeping the transactions clear within the departments, which brings efficiency in task completion and reduces paperwork. Tally software is used so extensively that it has become imperative for students to learn Tally with GST at an advanced level.

As the name suggests, this program is specific to the accounting and taxation industry. So, candidates are taught the fundamental concepts of accounting, taxation, auditing, and financial management as well. Tally ERP 9 Course with GST covers in-depth knowledge to meet the accounting requirements of the industry.

The objective of Course:

Certificate in Tally course with GST will give to the right skill set that will help you manage receivables and payables, credits, fund flow, and cash flow, banking, ledgers, budgets, multi-currency accounting, and auto or manual bank reconciliation with ease. This course will equip students with in-depth and expert knowledge of Tally with GST Some more essential Objective of this course are:

- To enable the learner to use Tally with GST to analyze and calculate complex data
- To enable the learner to understand & apply scenario-based problem-solving techniques.
- To enable the learner to introduce accounting on computers Using Tally ERP 9 with GST
- To enable the learner to work on tax and Payroll management using Tally ERP 9 with GST
- To enable the learner to understand corporate finance and Accounts Management.
- To enable the learner to implement the tools & techniques learned in the entire program and helps students to develop interpersonal skills.

Benefits:

After the completion of this course

- The student will be able to apply advanced features of Tally ERP 9 and it will benefit them at their work leading to an increase in productivity and efficiency.
- The student will be able to perform financial analysis and use financial techniques effectively.
- The learner acquires necessary knowledge & Skills so as to effectively manage accounting & inventory with GST.
- The learner acquires various skills required to apply statutory compliance and implementation of payroll using Tally ERP 9.

Highlights of Certificate Course in Tally with GST:

Course level:	Certificate
Duration:	6 months (60 hours)
Examination Type:	Objective questions
Eligibility:	Passing bachelor's degree in commerce and management with 45% marks and above from a recognized university.
Admission process:	Merit Based (Only 100 Seats available)
Course Fee:	500 Rs.
Top Recruiting Companies:	Taxation, Auditing Offices, Real Estate Financing, Budget Analysis, etc.
Job Positions:	Assistant Manager, Accountant, Tax Policy Analyst, Data entry operator, etc.

Budget of course:

Total fess collection: $500 \times 100 = 50000$ Rs.

Stationary : 5000 Rs.

SYLLABUS OF CERTIFICATE COURSE ON TALLY WITH GST

UNIT1: ACCOUNTING IN TALLY:

Accounting Basics: Introduction, Benefits of accounting, various terms used in accounting, Difference between Goods and Assets, Ledger Account, Types of Accounts and their Rules, Journal Book, Examples of Journal Entry, Ledger Posting, Balancing of an account, Trial Balance, Final Statements.

Computerized Accounting: Tally.ERP 9 Release 6.0, Benefits of Computerized Accounting, How to start Tally.ERP 9?, Opening screen of Tally.ERP9, Gateway of Tally screen, Company Creation in Tally, Opening/Loading a Company, Select Company Opening/Loading a Company automatically in Tally. ERP 9, Gateway of Tally, Shut a company, Alter a company, Delete a company, Create a new company when one company is already selected, Change Financial Period of a company, Exit from Tally.ERP 9, Groups and subgroups provided by Tally and their illustrations, Creating a Group, Ledgers, Voucher Types, Cost Categories and Cost Centres, Budgets, Interest Calculations, Accounting Problems for Practice, Accounting Reports in Tally.ERP 9.

UNIT2: INVENTORY IN TALLY:

Inventory in Tally: Inventory Info. Menu, Stock Group, Stock Categories, Units of Measure, Stock Items, Godown, Bill of Materials, Batches & Expiry Dates, Inventory Vouchers, Advanced Voucher Entry in Tally.ERP 9, Reorder Levels And Reorder Quantity, Price Levels and Price List. Point of Sale (POS), Pre-closure of Order, Inventory Problems for practice, Inventory Reports.

UNIT3: OTHER FEATURES IN TALLY:

Maintaining Group Company in Tally. ERP 9: Creating Group Company, Multi-Currency in Tally. ERP 9, Multi Address in Tally.ERP 9, Credit Limits Access Control & Security Management, Users and Passwords, Tally Vault, Backup & Restore, Split Company Data, Export & Import of Data, Banking in Tally.ERP9. Cheque Printing in Tally.ERP 9, Bank Reconciliation, Payment Advice,

UNIT4: PAYROLL IN TALLY:

Payroll in Tally: Introduction, Creating Company for Payroll, Enabling Payroll in Tally.ERP 9, Enabling Payroll in Tally. ERP 9, Enabling Payroll Statutory Features in Tally.ERP 9, F12: Payroll Configuration, Payroll Print Configuration, Creating Employee Master, Creating Employee Categories, Creating Employee Groups, Creating Employees, Creating Payroll Units, Creating Attendance / Production Types, Creating Pay Heads, Creating Earnings Pay Head, Creating Bonus Pay Head Creating Employee Deductions Pay Head, Creating Employees' Statutory Deductions Pay Head, Creating Employer's Statutory Contribution Pay Head, Creating Employer's Other Charges Pay Head, Defining Salary Structures, Payroll Voucher Types, Payroll Voucher Entries or Payroll Transactions, Creating Payroll Vouchers, Recording Salary payments for Payroll, Payroll Reports.

UNIT5: GOODS & SERVICES TAX (GST) IN TALLY:

Taxation (GST) in Tally: About Goods and Services Tax (GST), Understanding SGST, CGST & IGST, Activating Tally in GST, Setting Up GST (Company Level, Ledger Level or Inventory Level), GST Taxes & Invoices, Creating GST Masters in Tally, Purchase Voucher with GST, GST Returns and Payment, Updating GST Number for Suppliers ,Practical on Intra-State Purchase Entry in GST (SGST + CGST), Practical on Inter-State Purchase Entry in GST (IGST), GST Purchase Entry for Unregistered Dealer in Tally, Reverse Charge Mechanism Entry for GST in Tally, Sales Voucher with GST, Updating GST Number for Suppliers, Practical on Intra-State Sales Entry in GST (SGST + CGST), Practical on Inter-State Sales Entry in GST (IGST), Printing GST Sales Invoice from Tally ERP9 Software, GST Reports and Returns, GSTR 1 in Tally, GSTR 1 Return Filing.



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya
Samiti



NOTICE

**Department of Commerce
Certificate Course on Tally with GST
2021-2022**

This is to inform all the students of **M. Com Sem II (2021- 22)** that a Certificate Course on Tally with GST will be starting from 20/10/2021 to 21/11/2021. The platform for the course will be Google Meet and the timings will be from 11:30AM. to 12:30 PM All the students must attend the course compulsorily.

Course Coordinators


Pravin Kamthe




Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17



**Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur**

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



NOTICE

**Department of Commerce
Certificate Course on Tally with GST
2020-2021**

This is to inform all the students of **M. Com Sem II (2020-21)** that a Certificate Course on Tally with GST will be starting from 10/01/2021 to 10/03/2021. The platform for the course will be Google Meet and the timings will be from 11:30AM. to 12:30 PM All the students must attend the course compulsorily.

Course Coordinators

Pravin Kamthe



Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17