Sammilani Mahavidyalaya

E.M. Bypass, Baghajatin, Kolkata - 700094. Ph. No. 033 24626869
Email ID: principal.sammilani@gmail.com

CRITERION - I
CURRICULAR ASPECTS

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

1.2.1C.Institutional programme brochure/notice for Certificate/Value added programmes with course modules and outcomes.

LOGICAL TOOLS AND TECHNIQUES IN MATHEMATICS

DEPARTMENT OF MATHEMATICS

Duration: 30 Hours

Date of Commencement: 21.02.2022

Date of Completion: 11.03.2022

Number of Students Enrolled: 24

Number of Students Completed the Course: 24

Session: 2021-22

Ref.No.....................

Date 02/02/22

DATE : 02. 02. 2022 (Wednesday)

NOTICE

DEPARTMENT OF MATHEMATICS

A departmental online meeting will be held on 9th of February (Wednesday), 2022 at 7 pm. to discuss about the following agenda:

1. Confirmation of minutes of previous meeting held on 10.12.2021.
2. Conduction of a Certificate Course of 30 hours duration, for developing the mathematical skill of the students.
3. To prepare a book list for purchase in the library.
4. To organize a Departmental seminar for the session 2021-22.
5. Miscellaneous.

All faculty members of the department are requested to attend the meeting positively.

Sumita Das

02/02/22

Dr. Sumita Das

HOD, Department of Mathematics

Sammilani Mahavidyalaya

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Resolutions taken at the online meeting of the Department of Mathematics held on 9th of February, (Wednesday) 2022 at 7pm.

1. Minutes of the previous meeting held on 10.12.2021, has been confirmed.
2. It has been unanimously decided that a Certificate Course On Mathematical Logic will be organized for advanced learner students of Mathematics. Dr. Sumita Das and Ms. Sukti Sen have taken the responsibility to teach and conduct the whole course.
3. As directed by IQAC and Academic council, it has been decided that classes for this certificate course of 30 hours duration will start from 21.2.2022 (Monday) and onwards in both offline and online mode, beyond regular class routine. For enrollment of this course, a google form will be created by Dr. Malay Roy and it will be shared in the whatsapp group of the students. Syllabus and routine of this course will be decided by Dr. Sumita Das and Ms. Sukti Sen and will be shared among enrolled students. Certificate will be given among all concerned students after successful completion of the course.
4. Each faculty is requested to submit the book list of his/her area of teaching within next seven days to Dr. Malay Roy to prepare the general list of books for submission to the Librarian.
5. It has been decided that a Departmental seminar for the session 2021-22 will be organized before the end of this semester jointly with K. K. Das college under MOU.

The meeting ended with a vote of thanks.

Sumita Das 09/02/22
Dr. Sumita Das
HOD, Department of Mathematics
Sammilani Mahavidyalaya

HOD
Dept. of Mathematics
Sammilani Mahavidyalaya

ATTESTED
Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

[AFFILIATED TO CALCUTTA UNIVERSITY]
E. M. BYPASS, BAGHAJATIN,
KOLKATA - 700 094

Phone : 2462-6869
E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Date: 10.02.2022

Notice

All the students and alumni are hereby informed that our Department is going to arrange a Thirty hours Certificate Course on *"Logical Tools & Techniques in Mathematics"* starting from 21.02.2022 (Monday) in online mode. All are asked to enroll their name for the course within seven days.

Sumita Das 10/02/22

HOD
Department of Mathematics
Sammilani Mahavidyalaya

HOD
Dept. of Mathematics
Sammilani Mahavidyalaya

Principal/ TIC
Sammilani Mahavidyalaya

HOD
Dept. of Mathematics
Sammilani Mahavidyalaya

Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

SAMMILANI MAHAVIDYALAYA

E.M. BYPASS, BAGHAJATIN, KOLKATA - 700094

DEPARTMENT OF MATHEMATICS

Course Name: Logical Tools & Techniques in Mathematics

Session : 2021 - 22

Synopsis: We have arranged a certificate course on Logical Tools & Techniques in Mathematics which is the study of formal logic in mathematics. This course will be taught in an online mode of 30 hrs duration . Mathematical logic is the analysis of methods of reasoning which helps the students to understand ambiguity and disagreement in the proof of mathematical theorems. There are several paradoxes like Russel's Paradox, Cantor's paradox that arises from set theory that leads to a contradiction. Mathematical Logic is a tool to overcome such contradictory hypotheses and helps to build better frameworks to consider disagreement. Mathematical logic is absolutely central to mathematics and advanced Computer science. Hope this course is an opportunity for our students to get acquainted with the basics of one of the pivotal areas in mathematics and use it in their higher study.

Syllabus for Certificate Course

1. Introduction, propositions, truth table, connectives like negation, conjunction, disjunction, conditional and biconditional propositions, converse, contrapositive and inverse propositions and logical operators. (8 hours duration)

2. General notions: Formal language, object and meta language, general definition of a Formal Theory/ Formal Logic. (6 hours duration)

3. Propositional Logic: Formal theory for propositional calculus, derivation, deduction theorem (Statement only), conjunctive and disjunctive normal forms, semantics, tautology, contradiction, logical consequence and equivalence truth tables, adequate set of connectives, applications to switching circuits. (16 hours duration)

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DEPARTMENT OF MATHEMATICS

Course Outcomes: Learning the basics of logic, logical tools and techniques in mathematics will help the students to sharpen the logical reasoning sense and analytical skills as these are necessary for the understanding and learning of mathematical proofs. Moreover, it is an interdisciplinary course used in other subjects, specially in Philosophy and Education. As an outcome students can build better frameworks in advanced studies of mathematics and computer science and in various research fields associated with mathematics.

Fees Structure: The course is absolutely free of cost.

Evaluation: A theoretical examination will be conducted on the completion of the course in online mode.

Certificate: Certificate will be distributed after successful completion of the course and getting 60% marks.

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DEPARTMENT OF MATHEMATICS

Lesson Plan for Certificate Course

on

Logical Tools & Techniques in Mathematics

Name of Faculty	Syllabus Taught	No. of Classes
Dr. Sumita Das	1. Introduction, propositions, truth table, connectives like negation, conjunction, disjunction, conditional and biconditional propositions, converse, contrapositive and inverse propositions and logical operators. 2. General notions: Formal language, object and meta language, general definition of a Formal Theory/ Formal Logic.	14 Classes
Ms. Sukti Sen	3. Propositional Logic: Formal theory for propositional calculus, derivation, deduction theorem (Statement only), conjunctive and disjunctive normal forms, semantics, tautology, contradiction, logical consequence and equivalence truth tables, adequate set of connectives, applications to switching circuits.	16 classes

MACHINE LEARNING

DEPARTMENT OF COMPUTER SCIENCE
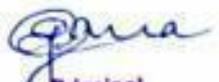
Duration: 32 Hours

Date of Commencement: 01.04.2022

Date of Completion: 30.04.2022

Number of Students Enrolled: 51

Number of Students Completed the Course: 51

Session: 2021-22

Sammilani Mahavidyalaya

(NAAC ACCREDITED)
[AFFILIATED TO CALCUTTA UNIVERSITY]
BAGHAJATIN STN./E. M. BY PASS
KOLKATA-700 075

Office Phone : 2462-6869
Library : 2436-3919

E-mail :
info@sammilanimahavidyalaya.org

Ref. No. _____

Date 17|02|2022

NOTICE

This is to notify the students of 2nd and 4th semester of the Department of Computer Science, that a Certificate course on "Machine Learning" will be organized in the department from 1st April to 30th April, 2022. The details of the program are displayed on the departmental notice board. All students of both the semesters are hereby directed to enroll for the course and give their names to Sri. Debasish Kundu latest by 1st March, 2022.

17/02/2022

Prof. Brototi Mondal

HOD, Department of Computer Science

Sammilani Mahavidyalaya

Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

DEPARTMENT OF COMPUTER SCIENCE
SAMMILANI MAHAVIDYALAYA

COURSE ON MACHINE LEARNING

Date : 1st April to 30th April, 2022

COURSE DURATION : 32 Hours

Fee Structure : Free of cost

OFFERED TO

Students of 2nd and 4th semester of the Department of Computer Science

Mode : Offline

RESOURCE PERSON

Smt. Brototi Mondal

Sri. Suchandra Das

Sri. Arindam Saha

Sri. Debasish Kundu

COURSE CO-ORDINATOR

Smt. Swagata Saha Sau
Assistant Professor
Department of
Computer Scienece
Sammilani Mahavidyalaya

In today's rapidly advancing technological landscape, the need for a comprehensive "Machine Learning" course is more pressing than ever. Machine learning, a subset of artificial intelligence, empowers systems to learn and improve from experience without explicit programming. As businesses and industries increasingly harness the power of data, machine learning plays a pivotal role in extracting meaningful insights, predicting trends, and automating decision-making processes. A dedicated course on machine learning is essential to equip individuals with the knowledge and skills to navigate this transformative field. Such a course not only demystifies complex algorithms and models but also provides practical, hands-on experience in working with real-world datasets. As machine learning applications become ubiquitous across sectors, from healthcare and finance to marketing and technology, a specialized course ensures that professionals are well-prepared to harness the potential of machine learning, contributing to innovation and staying competitive in a data-driven era. With this consideration in mind, the current Certificate course, focusing on "Machine Learning," is tailored for students in the 2nd and 4th semesters within the Department of Computer Science. The course has been strategically developed so that upon its successful conclusion, students will possess a comprehensive understanding of Machine Learning techniques and tools.

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Department of Computer Science
Sammilani Mahavidyalaya, Kolkata-700075

Department of Computer Science
Sammilani Mahavidyalaya
Course on
"Machine Learning"

In today's rapidly advancing technological landscape, the need for a comprehensive "Machine Learning" course is more pressing than ever. Machine learning, a subset of artificial intelligence, empowers systems to learn and improve from experience without explicit programming. As businesses and industries increasingly harness the power of data, machine learning plays a pivotal role in extracting meaningful insights, predicting trends, and automating decision-making processes. A dedicated course on machine learning is essential to equip individuals with the knowledge and skills to navigate this transformative field. Such a course not only demystifies complex algorithms and models but also provides practical, hands-on experience in working with real-world datasets. As machine learning applications become ubiquitous across sectors, from healthcare and finance to marketing and technology, a specialized course ensures that professionals are well-prepared to harness the potential of machine learning, contributing to innovation and staying competitive in a data-driven era.

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Resource Person: Prof. Brototi Mondal

Prof. Suchandra Das

Prof. Arindam Saha

Prof. Debasish Kundu

Course Co-Ordinator: Prof. Swagata Saha Sau

Assistant Professor

Department of Computer Scienece
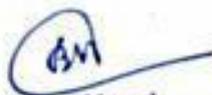
Sammilani Mahavidyalaya

OFFERED TO: students of 2nd and 4th semester of the Department of Computer Science
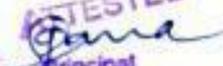
MODE: Offline

COURSE DURATION: 32 Hours

Date: 1st April to 30th April, 2022

Fee Structure: Free of cost

Head
Department of Computer Science
Sammilani Mahavidyalaya, Kolkata-700075

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E.M.Bypass, Baghajatin
Kolkata - 700 094

DEPARTMENT OF COMPUTER SCIENEC

CERTIFICATE COURSE

Course Plan

COURSE TITLE: Machine Learning

ORGANIZING DEPARTMENT: Department of Computer Science

COURSE DURATION: 32 Hours

OFFERED TO: Students of 2nd and 4th semester of the Department of Computer Science

MODE: Offline

1st April to 30th April, 2022

COURSE OVERVIEW:

In today's rapidly advancing technological landscape, the need for a comprehensive "Machine Learning" course is more pressing than ever. Machine learning, a subset of artificial intelligence, empowers systems to learn and improve from experience without explicit programming. As businesses and industries increasingly harness the power of data, machine learning plays a pivotal role in extracting meaningful insights, predicting trends, and automating decision-making processes. A dedicated course on machine learning is essential to equip individuals with the knowledge and skills to navigate this transformative field. Such a course not only demystifies complex algorithms and models but also provides practical, hands-on experience in working with real-world datasets. As machine learning applications become ubiquitous across sectors, from healthcare and finance to marketing and technology, a specialized course ensures that professionals are well-prepared to harness the potential of machine learning, contributing to innovation and staying competitive in a data-driven era.

With this consideration in mind, the current Certificate course, focusing on "Machine Learning," is tailored for students in the 2nd and 4th semesters within the Department of Computer Science. The course has been strategically developed so that upon its successful conclusion, students will possess a comprehensive understanding of Machine Learning techniques and tools.
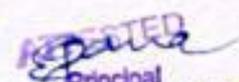
OBJECTIVES :

The course is outlined to fulfill the following objectives –

- Understanding popular ML algorithms with their associated mathematical foundations for appreciating these algorithms.
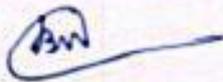
Head
Department of Computer Science
Sammilani Mahavidyalaya, Kolkata-700075

Principal
Sammilani Mahavidyalaya
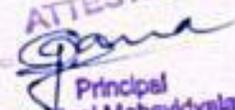E.M.Bypass, Baghajatin
Kolkata - 700 094

- Make aware of the role of data in the future of computing, and also in solving real-world problems using machine learning algorithms.
- Help connect real-world problems to appropriate ML algorithm(s) for solving them. Enable formulating real world problems as machine learning tasks.
- Appreciate the mathematical background behind popular ML algorithms.
- Ensure awareness about importance of core CS principles such as algorithmic thinking and systems design in ML

COURSE CURRICULUM

(Duration: 32 hours)

UNIT	TOPIC	SUBTOPIC	Hours
			Theoretical
1	Foundations for ML	1.1 – ML Techniques overview 1.2 – Reinforcement Learning 1.3 –Unsupervised Learning 1.4 – Supervised Learning 1.5 – Validation Techniques (Cross-Validations) 1.6 – Feature Reduction/Dimensionality reduction 1.7 Principal components analysis (Eigen values, Eigen vectors, Orthogonality)	04
2	Clustering	2.1 – Distance measures 2.2 – Different clustering methods (Distance, Density, Hierarchical) 2.3 – Iterative distance-based clustering; 2.4 – Dealing with continuous, categorical values in K-Means 2.5 – Constructing a hierarchical cluster 2.6 – K-Medoids, k-Mode and density-based clustering 2.8 – Measures of quality of clustering	06
3	Classification Naïve Bayes Classifier	3.2 – Model Assumptions, Probability estimation 3.2 - Required data processing 3.3 – M-estimates, Feature selection: Mutual information	06

|		3.4 - Classifier	
4	K-Nearest Neighbors	**4.1** – Computational geometry; Voronoi Diagrams; Delaunay Triangulations **4.2** – K-Nearest Neighbor algorithm; Wilson editing and triangulations **4.3** – Aspects to consider while designing K-Nearest Neighbor	06
5	Support Vector Machines	**5.1** – Linear learning machines and Kernel space **5.2** – Making Kernels and working in feature space **5.3** – SVM for classification and regression problems	06
6	Neural Network Learning	**6.1** – Role of Loss Functions and Optimization, **6.2** – Gradient Descent and Perceptron/Delta Learning, **6.3** – MLP, **6.4** – Backpropagation	04

COURSE OUTCOME:

Upon completion of the "Machine Learning" course, participants can expect to achieve the following outcomes:

1 **Foundational Knowledge:** Acquire a solid understanding of the fundamental concepts and principles of machine learning, including supervised and unsupervised learning, as well as reinforcement learning.
2 **Algorithm Implementation:** Master the implementation of various machine learning algorithms, including regression, classification, clustering, and dimensionality reduction, using popular frameworks and tools.
3 **Model Evaluation and Selection:** Learn to assess and compare the performance of machine learning models using appropriate evaluation metrics, enabling informed decision-making in model selection.
4 **Project Development:** Undertake a comprehensive capstone project, integrating the knowledge and skills acquired throughout the course to solve a real-world problem, fostering creativity and critical thinking.
5 **Continuous Learning:** Cultivate a mindset of continuous learning and stay informed about emerging trends and advancements in machine learning, positioning participants to adapt to the evolving landscape of this dynamic field.
6 **Certification:** Receive a certification upon successful completion of the course, validating the participant's mastery of machine learning concepts and practical application, enhancing their professional profile in the field.

COURSE FEE: Nil

Head
Department of Computer Science
Sammilani Mahavidyalaya, Kolkata-700075

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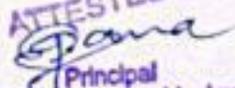
FOOD: A CULINARY HISTORY OF INDIA

DEPARTMENT OF HISTORY

Duration: 30 Hours

Date of Commencement: 16.04.2022

Date of Completion: 12.05.2022

Number of Students Enrolled: 17

Number of Students Completed the Course: 16

Session: 2022-23

Principal
Saramilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Ref.No.............................

Date ...05.4.2022

NOTICE

This is to bring to the notice of the concerned students that Department of History is going to

offer Certificate course for the students Semester VI as resolved in the IQAC meeting. The

students are instructed to contact with the department for enrolment.

Topic: Food: A Culinary History of India
Starting date: 16.04.2022
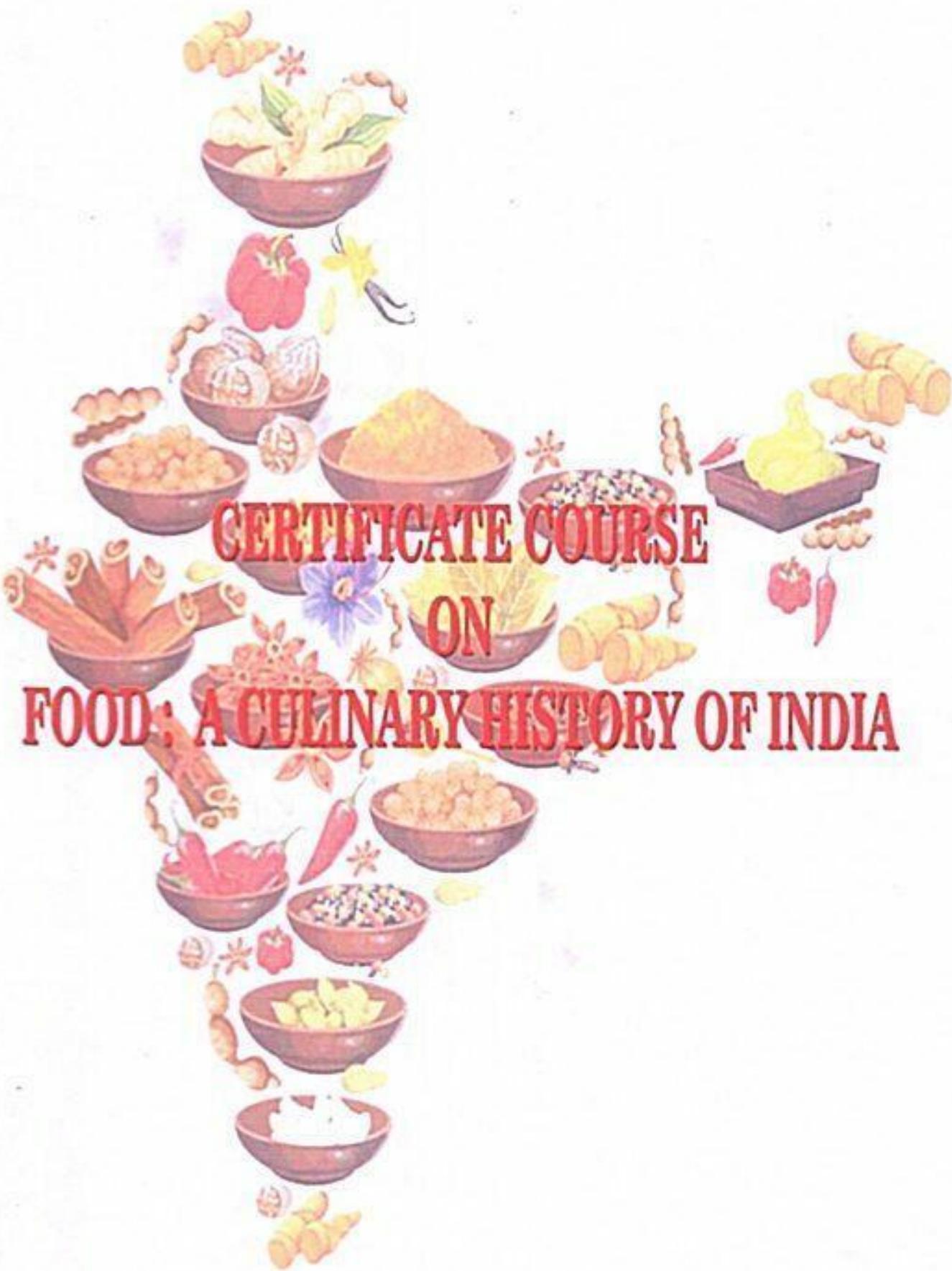Duration: 30 hours

Course Coordinator: Prof. Banani Gangopadhyay

Head, Dept. of History

Teacher-in-Charge
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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Sammilani Mahavidyalaya
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Kolkata - 700 094

CERTIFICATE COURSE
ON
FOOD : A CULINARY HISTORY OF INDIA

COURSE OVERVIEW

Eating is an indispensable human activity . Actually Gastronomy governs the whole life of man. In fact , civilization itself began in the quest for food. Transition from food-gathering stage to food-producing stage has brought the civilization.

Food history is an interdisciplinary field that examines the history and the cultural ,economic, environmental and sociological impacts of food and human nutrition. Culinary history studies the origins and development of the foodstuff, equipment and techniques cookery, the presentation and eating of meals.

Food is key to understanding history and geography,spiritua lity,gender politics and labour relations of any region. Food history provides us with a prism through which to analyse the dynamics of past communities. The rise of food history is welcome and long overdue.

COURSE CONDUCTOR : Department of History,
                             Sammilani Mahavidyalaya.
COURSE DESIGN   : Certificate Course

COURSE OBJECTIVES:

* To be able to articulate the sociological and cultural aspects of food.
* To be able to describe the historical context of the current food system.
* To be able to identify the inequities within the food system and their Implications.

* To be able to assess the health, social and environmental consequences of the Food.

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata -700 094

COURSE OUTCOME :

- Religious and Regional social identity
- Habits and nature of human through food practice.
- Exploring food history tradition of the past can be identified.
- Dietary history of the past becomes known to us.
- Nutritional history,history of dining and manners can be identified.

BENEFITS :

A Food historian can work in hotels, restaurants, airlines,cruise liners etc

A Food historian can pursue higher studies and research.

A Food historian can start his entrepreneurial venture

Syllabus of FOOD:
A CULINARY HISTORY OF INDIA

- Indian history and culture
- Food and diet in History
- Indian cuisine timeline: from Indus valley civilization to British Raj
- Historical impact of religion on cuisines
- Regional and sub- regional Indian cuisine
- Factors driving globalization of Indian cuisine
- Changes in cooking in the 21st century

Sanani Gangopadhyay

Head, Department of History
Sammilani Mahavidyalaya

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

CERTIFICATE COURSE

ON

FOOD : A CULINARY HISTORY OF INDIA

COURSE OVERVIEW

Eating is an indispensable human activity. Actually Gastronomy governs the whole life of man. In fact, civilization itself began in the quest for food. Transition from food-gathering stage to food-producing stage has brought the civilization.

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Food is key to understanding history and geography, spirituality, gender politics and labour relations of any region. Food history provides us with a prism through which to analyse the dynamics of past communities. The rise of food history is welcome and long overdue.

ORGANIZING DEPARTMENT : Department of History, Sammilani Mahavidyalaya

Resource Persons : 1. Banani Gangopadhyay

2. Kasturi Kar

3. Rudranil Bhattacharjee

4. Anasua Mondal Banerjee

5. Agnishwar Chakraborty

COURSE DURATION: 30 Hours

MODE OF TEACHING : Offline(Mainly Theoretical , one day for Practical)

COURSE FEE : Nil

Banani Gangopadhyay

Head, Department of History
Sammilani Mahavidyalaya

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

COURSE DESIGN : Certificate Course

COURSE OBJECTIVES:

* To be able to articulate the sociological and cultural aspects of food.

* To be able to describe the historical context of the current food system.

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Implications.

* To be able to assess the health, social and environmental consequences of the

Food.

COURSE OUTCOME :

* Religious and Regional social identity
* Habits and nature of human through food practice.
* Exploring food history tradition of the past can be identified.
* Dietary history of the past becomes known to us.
* Nutritional history,history of dining and manners can be identified.

COURSE BENEFITS :

A Food historian can work in hotels, restaurants, airlines,cruise liners etc

A Food historian can pursue higher studies and research.

A Food historian can start his entrepreneurial venture.

CURRICULUM :

Ranani Gangopadhyay

Head, Department of History
Sammilani Mahavidyalaya

1. Indian history and culture

2. Food and diet in history

3. Indian cuisine timeline : from Indus valley civilization to British Raj.

4. Historical impact of religion on cuisines

5. Regional and sub-regional Indian cuisine

6. Factors driving globalization of Indian cuisine

7. Changes in cooking in the 21st century.

Pranati Gangopadhyay

Head, Department of History
Sammilani Mahavidyalaya

MENTAL HEALTH AWARENESS

DEPARTMENT OF EDUCATION

Duration: 30 Hours

Date of Commencement: 18.04.2022

Date of Completion: 16.06.2022

Number of Students Enrolled: 92

Number of Students Completed the Course: 89

Session: 2021-22

2

Date: 04.04.2022

NOTICE

Department of Education will be organizing an Add-On Course on 'Mental Health'. The duration of the course is 30 hours. Interested students can enrol their names to Smt. Sipra Tudu on or before 11th April, 2022. The course commences from 18th April, 2022 in blended mode. The routine will be sent to students before the scheduled time.

Teacher- in-charge 4/4/2022

ATTESTED

Teacher-in-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Bag'.
Kolkata- 700 094

Sipra Tudu
4/4/22

HEAD
DEPT OF EDUCATION
Sammilani Mahavidyalaya
E.M. By Pass, Baghajatin
Kolkata-700094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
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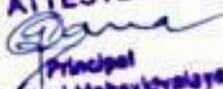# SAMMILANI MAHAVIDYALAYA
## DEPARTMENT OF EDUCATION

ADD ON COURSE
## ON
Mental Health awareness

Course Coordinator
Smt. Sipra Tudu

Session -2021-22

COURSE DESIGN

1. **Course Title:** Mental Health Awareness
2. **Organising Department:** Education
3. **Course Duration:** 30 Hours
4. **Offered to:** Honours students of Education Department
5. **Mode:** Hybrid Model of teaching-learning
6. **Corse overview:** Mental health awareness has never been more important. In this time of unprecedented change, pressure of online class, sitting at home all day and following class in online has put on tremendous pressure on the students. Overwhelming feeling of uncertainties has taken a toll on mental health and wellbeing of the students. This is **a general Mental Health Awareness course** designed for anyone with little or no training in mental health and who would like to understand a little more about mental health. It will help raise awareness about mental health issues.

7. **What the students will learn**
   - Explore Mental Health Awareness in an interactive way, recognize common signs and symptoms, be able to respond and support
   - Look after your own mental wellbeing via self-assessments, exercises and useful resources.
   - Talk about Mental Health Awareness, they will get conversation tips, useful phrases and expressions to use, ways to start a conversation and offer support.
   - Know how to communicate and offer support to family members, co-workers, employees, friends who have mental health problems.

8. **Course objectives:**
   - To make the students aware about concept of adjustment and maladjustment.
   - To make them aware about the importance of Mental health and mental well-being.
   - Make them aware about common signs, symptoms, and conditions of maladjustment.
   - To make them aware about the coping strategies for stressful situation.
   - To make the aware of ways to talk about mental health, how to support someone and how to be an advocate of Mental Health Awareness and share what you have learned with others

9. **Career prospect:** Mental health includes our emotional, psychological, and social well-being. It affects how we think, feel, and act. It also helps determine how we handle stress, related to others, and make healthy choices. Mental health is important at every stage of life, from childhood and adolescence through adulthood.

10. **Faculty requirement:** Internal faculty member of Department of Education,
11. **Modern Pedagogy:** Hybrid Model of teaching-learning
12. **Course fee:** Nil
13. **Intake capacity:** 95
14. **Course hour:** 30 hours
15. **Course Duration:** 1 class= 1 hour, 3 classes per week (4 weeks)
16. **Detailed Syllabus of the Course:**
    - **Concept of Mental Health:** Definition mental health, what is mental illness, signs and symptoms of mental illness. Difference between Mental health and illness. Different treatment available for mental illness. Concept of wellbeing
    - **Concept of Adjustment:** What is adjustment, what is maladjustment, causes of maladjustment. Different types of problem behavior.
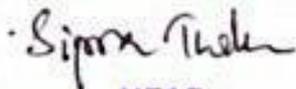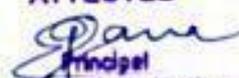
- **Communication and looking after ourselves:** Concept of stress, Stress and stressors.
- **Lifestyle changes to better mental health-** mind management skill to better mental health, concept about worrying, anxiety and depression- signs and symptoms. Mental health stigma, developing positive mental health.
- **Mind management skill to better mental health-** Coping strategies and therapies, brain training techniques, how to develop positive mental attitude.

17. **Evaluation method:** Continuous Internal Evaluation and Final Assessment on Last day

Assesment	Marks
MCQ type questions covering all the units	20
Internal Assessment: Wall magazine, group discussion	20
Project	05
Attendance	05
Total	50

18. **Marking Procedure:**

Attendance Percentage= Total number of lectures attended

Total Number of Lecture Head

Total Marks in Attendance= 05

Attendance Percentage	Marks Allotted
Above 90	5
80-89	4
70-79	3
60 – 69	2
Below 60	Not eligible for certificate

19. **Table for Qualification**

Total Score (out of 50)	GRADE
45-50	O- Outstanding
40-44	E- Excellent
35-39	A-Very Good
26-34	B-Good
20-25	C-Fair
Below 25	F- Failed

20. **Course Outcome:**

- Combat the stigma surrounding poor mental health.
- Understand common mental health problems.

Sipra Rodi

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Kolkata-700094

- Recognise steps they can take to create a positive mental framework.
- Gain an understanding of skills they can use to manage their mind.
- Identify lifestyle changes they can make that can improve mental health

21. Course Benefit:

- Enable them to lead a positive life
- Help them take their own decisions without confusion.
- Better concept themselves.
- They would understand their strength and weakness.

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Kolkata-700094

BASICS OF TOTAL STATION: ADVANCED SURVEYING AND MAPPING TOOLS IN GEOGRAPHY

DEPARTMENT OF GEOGRAPHY

Duration: 35 Hours

Date of Commencement: 18.04.2022

Date of Completion: 28.04.2022

Number of Students Enrolled: 38

Number of Students Completed the Course: 32

Session: 2021-22

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)
[AFFILIATED TO CALCUTTA UNIVERSITY]
E. M. BYPASS, BAGHAJATIN,
KOLKATA - 700 094

Phone : 2462-6869
E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No....................

Date 8/3/22

NOTICE

A meeting of the Department of Geography will be held on 16.3.22 (Wednesday) at 12:00 noon in the Staff room of the Department to discuss the following Agenda:

1. Confirmation of the minutes of the previous meeting.
2. Introduction of Add on/Certificate course for the students of the Department.
3. MOU with industry/academia.
4. Uploading of the marks of ODD Semester Exam, 2022.
5. Miscellaneous.

All are requested to attend the meeting positively.

Panamita Dasgupta
Head, Department of Geography.

Head
Department of Geography
Sammilani Mahavidyalaya
Baghajatin Stn./E. M. Bypass
Kolkata - 700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700094

Sammilani Mahavidyalaya

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[AFFILIATED TO CALCUTTA UNIVERSITY]
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Website :
www.sammilanimahavidyalaya.org

Ref. No............................

Date ....

NOTICE

It is our pleasure to announce that the Department of Geography is going to organize a
Certificate Course on "Basics of Total Station: Advanced Surveying and Mapping Tools in
Geography" from 18.04.2022 for the students of 6th semester of the department. It is a course
of 30 hours duration and certificates will be given by the college after successful completion of
the course. All interested students are asked to contact with the Department of Geography, for
further details.

Head of the Department
Department of Geography
Sammilani Mahavidyalaya
Baghajatin Stn./E. m. Bypass
Kolkata - 700 094

Signature of the TIC /Principal
Teacher-in-Charge
Sammilani Mahavidyalaya
E. M. bypass, Baghajatin
Kolkata-700 094

Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M Bypass, Baghajatin
Kolkata-700 094

Certificate Course

On

Basics of Total Stations:

Advance Surveying and Mapping Tools in Geography

Total Station Surveys

Land Surveys and Measurement
Mapping and Design
Angle and Distance Measurement
Measurementfor Building Constuction
Measurement for Road Construction

Session: 2021-22

Course Duration: 30 Hours

Department of Geography
Sammilani Mahavidyalaya

DEPARTMENT OF GEOGRAPHY

CERTIFICATE COURSE

Course Plan

COURSE TITLE: BASICS OF TOTAL STATION: ADVANCED SURVEYING AND MAPPING TOOLS IN GEOGRAPHY

ORGANIZING DEPARTMENT: Department of Geography

NAME OF THE RESOURCE PERSONS:

Sri Kamonasish Mistry, Assistant Professor, Department of Geography

Sri Nayan Roy, SACT, Department of Geography, Sammilani Mahavidyalaya

Sri Achintya Pramanik, SACT, Department of Geography, Sammilani Mahavidyalaya.

COURSE DURATION: 30 Hours

OFFERED TO: Students of 6th semester of the Department of Geography

MODE: Offline

COURSE OVERVIEW:

'Total Station Theodolite' is modern optical, electronic equipment used in surveying. It is basically an electronic transit theodolite, integrated with electronic distance measuring device and can measure horizontal angle, vertical angle, distance between two points, and three co-ordinates (x,y,z) of the observed points. The microprocessor unit, built within the instrument, processes these collected data which can be downloaded to computer for further processing and application. Land survey work can be carried out very fast using this instrument and its accuracy level is also very high. Because of such advantages, hands-on knowledge about the components and functions of total station is highly recommended for the students of geography.
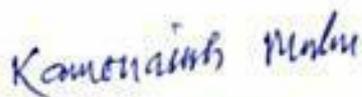
OBJECTIVES :

The course is outlined to fulfill the following objectives –

- To familiarize the students with the instrument.
- To enable them to use the instrument in the field.
- To enhance their skill of surveying by making the process fast and accurate.
- To enhance the scope of employability of the students.

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Kolkata-700 094

Kamonaish Mistry
Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

COURSE OUTCOME:

On completion of the course, a student will be able to –

- Understand how to set up total station in a right way.
- Use and operate the instrument in the field.
- Do survey work at a faster rate in the field and in a more efficient manner.
- Extract the data and [process the same.
- Understand the principles of GPS and GIS in surveying.
- Acquire the essential skill and knowledge to opt for surveying as a profession.
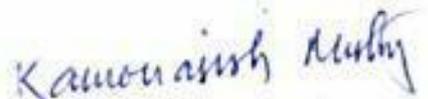
Thus, the course will provide the students of Geography with additional skills and knowledge that are relevant to their field of study and will also enhance their employability.

COURSE FEE: Nil

Kamonaissh Multy
Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

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E.M Bypass Baghajatin
Kolkata-700 094

COURSE CURRICULUM

(Duration :30 hours)

UNIT	TOPIC	SUBTOPIC	HOURS	
			Theoretical	Practical
1	Introduction to Surveying with Total Stations	1.1-Overview of surveying and its applications 1.2 - Introduction to Total Stations: Definition, components, and types 1.3 - Basic Principles of Total Station Survey 1.4- Uses of Total Station 1.5 - Importance of accurate measurements in construction and mapping projects	03	-
2	Total Station Components and Setup	2.1 – Parts of total station 2.2- Accuracy measurement & errors correction 2.3 - Detailed examination of Total Station components 2.4 - Total Station setup: Instrument calibration and leveling 2.5 - Understanding and configuring measurement units 2.6 - Practical exercises for hands-on training	03	03
3	Applications of Total Station in Mapping in Geography	3.1 - Measurements and data collection 3.2 - Working with Total Station:•Topographic survey •Control and offset survey •Contour survey •Angle & distance measurement • Calculation of area • Measurement of volume • Road survey 3.3 - Coordinate measurements 3.4 - Practical exercises for hands-on training	04	06
4	Data Processing and Analysis	4.1 - Introduction to data processing software 4.2 - Importing and exporting survey data 4.3 - Quality control and error analysis in survey data 4.4 - Practical exercises for hands-on training	02	03
5	Data extraction and Processing from Total Station	5.1 - Topographic mapping with Total Stations 5.2 - Data extraction from total station 5.3 - Construction layout and stakeout 5.4 - Geographic Information System (GIS) integration 5.5 - Practical exercises for hands-on training	03	03

N.B Certificate will be given after successful completion of the course

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Kolkata-700 094

Kamonasish Mishra
Course Coordinator
Department of Geography
Sammilani Mahavidyalaya
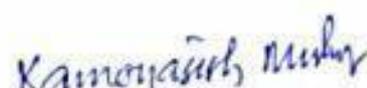
Certificate Course on

Basics of Total Station: Advanced Surveying and Mapping Techniques in Geography

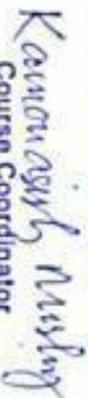## Organised by the Department of Geography, Sammilani Mahavidyalaya

Venue: Smart Class Room(Lab-3), Department of Geography

Provisional Routine

Date	Day	Time			
		12:00 pm to 01:00 pm	01:00 pm to 02:00 pm	02:00 pm to 03:00 pm	03:00 pm to 04:00 pm
18.04.2022	Monday	Inaugaration	Kamonasish Mistry	Nayan Roy	Nayan Roy
19.04.2022	Tuesday		Kamonasish Mistry	Achintya Pramanik	Achintya Pramanik
20.04.2022	Wednesday		Achintya Pramanik	Kamonasish Mistry	Kamonasish Mistry
21.04.2022	Thursday		Achintya Pramanik	Nayan Roy	Nayan Roy
22.04.2022	Friday		Nayan Roy	Achintya Pramanik	Achintya Pramanik
23.04.2022	Saturday			Achintya Pramanik	Achintya Pramanik
25.04.2022	Monday	Nayan Roy	Nayan Roy	Kamonasish Mistry	Kamonasish Mistry
26.04.2022	Tuesday		Kamonasish Mistry	Nayan Roy	Nayan Roy
27.04.2022	Wednesday		Nayan Roy	Kamonasish Mistry	Kamonasish Mistry
28.04.2022	Thursday		Kamonasish Mistry	Achintya Pramanik	Achintya Pramanik
30.04.2022	Saturday		Valedictory Session	Certificate Distribution	

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E M Bypass, Baghajatin
Kolkata 700 094

Kamonasish Mistry
Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

Certificate Course on

Basics of Total Station: Advanced Surveying and Mapping Tools in Geography

COURSE OVERVIEW:

'Total Station Theodolite' is modern optical, electronic equipment used in surveying. It is basically an electronic transit theodolite, integrated with electronic distance measuring device and can measure horizontal angle, vertical angle, distance between two points, and three co-ordinates (x,y,z) of the observed points. The microprocessor unit, built within the instrument, processes these collected data which can be downloaded to computer for further processing and application. Land survey work can be carried out very fast using this instrument and its accuracy level is also very high. Because of such advantages, hands-on knowledge about the components and functions of total station is highly recommended for the students of geography.

OBJECTIVES :

The course is outlined to fulfil the following objectives –

- To familiarize the students with the instrument.
- To enable them to use the instrument in the field.
- To enhance their skill of surveying by making the process fast and accurate.

To enhance the scope of employability of the students

COURSE OUTCOME:

On completion of the course, a student will be able to –

- Understand how to set up total station in a right way.
- Use and operate the instrument in the field.
- Do survey work at a faster rate in the field and in a more efficient manner.
- Extract the data and [process the same.
- Understand the principles of GPS and GIS in surveying.
- Acquire the essential skill and knowledge to opt for surveying as a profession.

Thus, the course will provide the students of Geography with additional skills and knowledge that are relevant to their field of study and will also enhance their employability.

Organized by:

The Department of Geography,

Sammilani Mahavidyalaya,

Baghajatin, E.M. Bypass, Kolkata-700094

CERTIFICATE COURSE ON YOGA

YOGA AND ENVIRONMENT AWARENESS SUBCOMMITTEE IN ASSOCIATIONS WITH *'VIVEKANANDA YOGA ANUSANDHANA SAMSTHANA'*

Duration: 30 Hours

Date of Commencement: 29.04.2022

Date of Completion: 21.06.2022

Number of Students Enrolled: 20

Number of Students Completed the Course: 20

Session: 2021-22

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)
[AFFILIATED TO CALCUTTA UNIVERSITY]
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Phone : 2462-6869
E-mail :
principal.sammilani@gmail.com
Info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref. No..............................

Date ...21/4/22....

NOTICE

It is hereby notified to all concerned that Sammilani Mahavidyalaya in collaboration with S-VYASA (Deemed to be university) is going to organise a two months Yoga training programme. The programmme shall be inaugurated on 29th April 2022 at 2 p.m. in room no. 209 by Dr. Abhijit Ghosh, Director of Vivekananda Yoga Anusandhana Samsthana. The programme is duly recommended by UGC and shall be terminated after celebrating the auspicious occasion of Yoga Day.

Henceforth, the "Yoga training programme" shall be organized on every Friday, weekly basis from 2 p.m. to 4 p.m. at college premises. Students, alumni, teaching and non-teaching staff and other stakeholders are cordially invited to join in this programme to make it successful.

Dr. Sharmila Chakraborty
(Teacher-in-Charge)
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700094

Attested

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

CERTIFICATE COURSE ON YOGA

COURSE OVERVIEW

The 30 hours yoga course at the college is meticulously crafted to introduce students to
the ancient practice of yoga and its diverse benefits. This programme combines
theoretical knowledge with practice sessions, aiming to impart a through
comprehension of yoga as a holistic approach to well-being and self awareness.

COURSE OBJECTIVES :

• To Introduce fundamental concepts and principles of yoga.
• To Cultivate mindfulness and self-awareness through yogic practices.
• To Foster a deeper understanding of mind-body connection.
• To Promote physical and mental health through yogic techniques.

COURSE OUTCOMES:

• To Improve physical flexibility, strength and balance.
• To Enhance stress management and relaxation techniques.
• To Heighten self-awareness and mindfulness in daily life.
• Better understanding of the holistic benefits of yoga for overall wellbeing.

COURSE BENEFITS:

• Enhanced overall physical and mental well being.
• Improved concentration and focus for academic and personal endeavors.
• Tools for managing stress and anxiety effectively.
• Skills to maintain a healthy and balanced lifestyle through a practice of yoga.

DRONE BASED REMOTE SENSING: AN ADVANCED MAPPING TECHNOLOGY

DEPARTMENT OF GEOGRAPHY IN COLLABORATION

WITH GEO SOLUTIONS

Duration: 35 Hours

Date of Commencement: 10.05.2022

Date of Completion: 27.05.2022

Number of Students Enrolled: 71

Number of Students Completed the Course: 65

Session: 2021-22

Sammilani Mahavidyalaya

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Website :
www.sammilanimahavidyalaya.org

Ref. No............................

Date ....2/5/22........

NOTICE

This is hereby notified that the Department of Geography is going to organize a Certificate Course on "Drone based Remote Sensing: An Advanced Mapping Technology" from 10.05.2022 in collaboration with 'Geo Solution', for the students of 4th and 2nd semester. It is a course of 35 hours duration and certificates will be given after successful completion of the course. All interested students are asked to contact with the Department of Geography, for more detailed information.

Head of the Department
Head
Department of Geography
Sammilani Mahavidyalaya
Baghajatin Stn./E. M. Bypass
Kolkata - 700 094

Signature of the TIC /Principal
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass
Kolkata- 700 094

Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass Baghajatin
Kolkata-700 094

Ref.No........................

Date 8/3/22

NOTICE

A meeting of the Department of Geography will be held on 16.3.22 (Wednesday) at 12:00 noon in the Staff room of the Department to discuss the following Agenda :

① Confirmation of the minutes of the previous meeting.

② Introduction of Add on / Certificate course for the students of the Department.

③ MOU with industry / academia.

④ Uploading of the marks of ODD Semester Exam, 2022.

⑤ Miscellaneous.

All are requested to attend the meeting positively.

Tanamoy Dasgupta

Head, Department of Geography.

Department
Sammilani Ma...
Baghajatin Stn.JI.   ...ass
Kolkata - 70...-4

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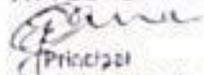
Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin.
Kolkata-700094

MEETING ON 16.3.2022

The meeting started at 12:00 noon in the staff room of the Department. The following members were present in the meeting:-

1. Dr. Paramita Dasgupta   *[signature] 16/3/23*
2. Sri Kawowasish Khisty   *[signature] 16.3.23*
3. Smt. Arandhuti Mukherjee
4. Smt. Saheli Ghosh
5. Sri Achintya Pramanik
6. Sri Nayan Roy.

① The minutes of the previous online meeting held on 10/2/22 were read & confirmed.

② The Head of the Department placed the proposal of introducing Add on/Certificate/Value added Courses for the students of the Department as per the resolution adopted in the meeting of the Academic Council meeting. She also mentioned that the resolution was adopted keeping in mind the holistic Development of the students as emphasized by NAAC. After thorough discussion on the matter, it was resolved unanimously that Certificate Courses of atleast 30 hours duration, be started from the next month. Three topics were suggested by the faculties, which they thought would help the students to develop their skill & ability. These were —

   a) Course on Total Station theodolite.
   b) Drone-based remote Sensing.
   c) Computer application.

   It was further resolved that the courses would be free of cost. The house decided to frame the proposal within a week & inform the students accordingly. Through

Session: 2021-22

Certificate Course

On

Drone Based Remote Sensing:
An advanced Mapping Technology

Course Duration: 35 Hours

Department of Geography, Sammilani Mahavidyalaya
in Colaboration with GEO-SOLUTON

Geo-Solution

DEPARTMENT OF GEOGRAPHY

CERTIFICATE COURSE

Course Plan

COURSE TITLE: Drone Based Remote Sensing: An Advanced Mapping Technology

ORGANIZING DEPARTMENT: Department of Geography in collaboration with Geo-Solution

COURSE DURATION: 35 Hours

OFFERED TO: Students of 4th and 2nd semester of the Department of Geography

**SESSION:** 2021-2022

MODE: Offline

NAME OF THE RESOURCE PERSONS:

- Sri Ayan Ghosh, GIS Engineer, Department of PHE, Government of West Bengal and Educational Coordinator, Geo-Solution
- Smt. Poulomi Karmakar, Educational Instructor, Geo-Solution
- Sri Kamonasish Mistry, Assistant Professor, Department of Geography, Sammilani Mahavidyalaya

COURSE OVERVIEW:

Remote sensing technique is a very effective tool for systematic geographical study and hence a student of geography must have some knowledge on remote sensing. It has been noted that the curriculum of geography, prescribed by different universities mostly focus on satellite based remote sensing. But this satellite based remote sensing is highly expensive and data acquisition is also not a very easy process. Whereas, Unmanned Aerial Vehicle (UAV) based remote sensing i.e drone based remote sensing consumes no fuel, it does not require maintenance and is a more

Principal
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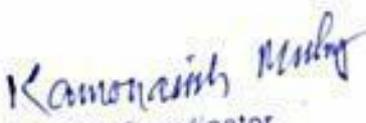
Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

stable and reliable system. It can also be flexibly equipped with various sensors such as optical infrared LiDAR. Because of its various advantages, in recent years this technique has attracted attention of the scientific researchers and industry and has become an essential remote sensing platform. It has been widely used in agriculture, forestry, mining, and in other industries. Using the high resolution images captured by drone, we can prepare landuse-land cover map, contour map, relief map and many more with high level of accuracy. This technique is also very helpful for hazard and disaster mapping. Because of such broad application prospects, we have designed a Certificate Course on 'Drone-based Remote Sensing: An advanced mapping technology' for the 4th and 2nd semester students. This is a course of 35 hours duration and is to be held in collaboration with the organization named 'Geo Solution'. The course will definitely help the students to bridge the gap between their knowledge on remote sensing and the most modern advancement in the subject and will also add value to their professional skill.

OBJECTIVES:

The course is designed to fulfill the following objectives –

- To familiarize the students with the types, components, application, advantages and disadvantages of UAV.
- To make them well conversant with the process of UAV survey methodology and image processing and mapping techniques, both theoretically and practically.
- To provide the students with the facility of hands-on training on drone.
- To enable the students to be up-to-date with the modern trends in Geographical study.

COURSE CURRICULUM

(Duration :35 hours)

UNIT	TOPIC	SUBTOPIC	HOURS	
			Theoretical	Practical
1	Introduction	1.1 Course Requirements, Concept of UAV 1.2 Concepts of Basic Drone Remote Sensing 1.3 Fundamentals of drone remote sensing and photogrammetry	04	-

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Kolkata-700 094

Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

		1.4 Types of UAV According to Rotor, Weight		
		1.5 Drone System Components, regulations, and requirements		
		1.6 Advantages of UAV		
		1.7 Disadvantages of UAV		
		1.8 Geometric Distortion in UAV		
2	Uses and application	2.1 Use of UAV	04	-
		2.2 Application Of UAV		
		2.3 UAV Survey Methodology		
		2.4 Geometric Distortion in UAV		
		2.5 Application for Drone fly		
		2.6 Different Application for Drone Fly		
		2.7 Different Application for Drone Image Processing		
3	Drone operation techniques	3.1 Concept of operation for Drone	04	04
		3.2 Sensors and platforms		
		3.3 Operational requirements of the Drone		
		3.4 Sensor calibration and bore sighting		
		3.5 Rules and regulations governing owning and operating a UAV		
		3.6 Concerns surrounding UAS safety, security, and privacy issues		
4	Drone image processing	4.1 Overview of Drone data processing software and AWS	04	06
		4.2 Drone Remote Sensing Analysis-Science and application		
		4.3 Drone Photogrammetry: Processing drone imagery to point cloud and 3D mesh		
		4.4 Multi-spectral sensing with UAV's		
		4.5 Collection and Processing multi-spectral imagery		
		4.6 Drone-based LiDAR data collection		

		and processing		
		4.7 Generation of digital data products such as ortho-rectified imagery and digital terrain surface		
5	Mapping with drone based images	5.1 Import Geo-Tag Image from UAV	03	06
		5.2 Align Geo-Tag Image		
		5.3 Texture Creation		
		5.4 Build Tile Model from Texture		
		5.5 Creation of DEM		
		5.6 Creation of Orthomosaic image		
		5.7 Export Orthomosaic Image in Different Raster Format		
		5.8 Clip and Extraction of Orthomosaic Image		
		5.9 Creation of Las File from Point Cloud		
		5.10 Volume, Area, Length Calculation		
		5.11 Creation of Contour from DEM		

N.B *Certificate will be given after successful completion of the course*

COURSE OUTCOME:

On completion of the course, a student will be able to: –

- Have knowledge on components and functions of drone system.
- Understand how to use drone as a platform to acquire remote sensing data.
- Develop insight into safe and legal drone operation.
- Understand photogrammetric principles of drone based remote sensing.
- Acquire Knowledge on processing the data for various applications and mapping in the field of geographical studies.
- Enhance the scope of getting job both in industry as well as in academic sector.

COURSE FEE: Nil

....

Kanon aish Murbor

Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700094
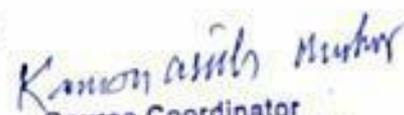
Certificate Course on

Drone Based Remote Sensing: An Advanced Mapping Technology

Organised by the Department of Geography, Sammilani Mahavidyalaya

In Collaboration with Geo-Solution

Provisional Routine

Venue: Smart Class Room(Lab-3), Department of Geography

Date	Day	Time				
		12:00 pm to 01:00 pm	01:00 pm to 02:00 pm	02:00 pm to 03:00 pm	03:00 pm to 04:00 pm
10.05.2022	Tuesday	Inauguration	Kamonasish Mistry	Ayan Ghosh	Ayan Ghosh
11.05.2022	Wednesday		Kamonasish Mistry	Poulomi Karmakar	Poulomi Karmakar
12.05.2022	Thursday			Kamonasish Mistry	Kamonasish Mistry
13.05.2022	Friday	Poulomi Karmakar	Poulomi Karmakar	Poulomi Karmakar	Poulomi Karmakar
14.05.2022	Saturday		Ayan Ghosh	Ayan Ghosh	Ayan Ghosh
17.05.2022	Tuesday			Kamonasish Mistry	Kamonasish Mistry
18.05.2022	Wednesday		Kamonasish Mistry	Kamonasish Mistry	Kamonasish Mistry
19.05.2022	Thursday		Kamonasish Mistry	Poulomi Karmakar	Poulomi Karmakar
20.05.2022	Friday		-	Poulomi Karmakar	Poulomi Karmakar
21.05.2022	Saturday		Ayan Ghosh	Ayan Ghosh	Ayan Ghosh
23.05.2022	Monday			Poulomi Karmakar	Poulomi Karmakar
24.05.2022	Tuesday			Kamonasish Mistry	Kamonasish Mistry
25.05.2022	Wednesday		Kamonasish Mistry	Ayan Ghosh	Ayan Ghosh
27.05.2022	Friday		Valedictory Session	Certificate Distribution	

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Kolkata 700 094

Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

COURSE ON TEACHING AND RESEARCH APTITUDE

DEPARTMENT OF EDUCATION

Duration: 30 Hours

Date of Commencement: 08.08.2022

Date of Completion: 06.12.2022

Number of Students Enrolled: 85

Number of Students Completed the Course: 85

Session: 2022-23

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

2

NOTICE

Date:02.07.22

It is hereby notified to all students that Department of Education will be organizing an Add-On/Certificate Course on **'Teaching and Research Aptitude'**. The duration of the course is 30 hours. Interested students can enrol their names to Dr. Marisha Chakrabarti on or before 25th July, 2022. The course commences from 2nd August, 2022.

SChakraborty 02/07/22
Teacher-in-Charge
Teacher-in-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

Sipra Tudu
2/7/22
HEAD
DEPT OF EDUCATION
Sammilani Mahavidyalaya
E.M. By Pass, Baghajatin
Kolkata-700094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

SAMMILANI MAHAVIDYALAYA
DEPARTMENT OF EDUCATION
ADD ON COURSE
ON
TEACHING AND RERSEARCH APTITUDE
Session:2022-23

Course Coordinator
Dr. Marisha Chakrabarti

COURSE DESIGN

1. **Course Title**: Teaching and Research Aptitude
2. **Organizing Department**: Department of Education
3. **Offered to**: Education Honours Students of all Semesters
4. **Mode**: Offline
5. **Course Overview**: The course aims to develop the teaching aptitude and research aptitude in students as one of the main career options for the students is teaching. After completion of graduation many of them go for master degree and this course will help them to develop research aptitude which will help them in undertaking research work in their further studies.
6. **Course objectives**:
   - To develop the teaching and research aptitude in undergraduate students.
   - To develop cognitive abilities in students such as comprehension, analysis, evaluation understanding, inductive and deductive reasoning.
   - To make the students understand the effective ways of communication.
   - To develop general awareness about teaching learning process of higher education.
   - Learn about the various steps to be followed for conducting research.
   - Learn how to write a research proposal and review research papers.
7. **Career prospect**: The course aims to prepare the students for various competitive examinations after graduation. It will enhance their employability by developing them the pre requisite skills. .
8. **Faculty requirement**: Internal faculty member of Department of Education, Philosophy, Bengali and English
9. **Modern Pedagogy**: Hybrid Model of teaching-learning
10. **Course fee**: Nil
11. **Intake capacity**: 95
12. **Course hour**: 30 hours
13. **Detailed Syllabus of the Course:**
    - **Teaching Aptitude**: Teaching: Concept, Objectives, Levels of Teaching (Memory, Understanding, and Reflective), Characteristics, and Basic Requirements. Learner's Characteristics: Characteristics of Adolescent and Adult Learners (Academic, Social, Emotional and Cognitive), Individual Differences. Factors Affecting Teaching Related to Teacher: Learner, Support Material, Instructional Facilities, Learning Environment, and Institution. Some Courses for preparation of teacher - Pre service teacher education, In service teacher education, Orientation and Refresher courses.
    - **Research Aptitude**: Research: Meaning, Types, and Characteristics, Positivism and Post positivistic approach to research. Methods of Research: Experimental, Descriptive, Historical, Qualitative and Quantitative methods. Steps of Research. Thesis and Article writing: Format and styles of referencing. • Application of ICT in research. Research ethics.
    - **Communication Skill**: Communication: Meaning, types and characteristics of communication. Effective communication: Verbal and Non-verbal, Inter-Cultural and group communications, Classroom communication. Barriers to effective communication. Concept of Listening skill, speaking skill, reading and writing skills
    - **Higher Education System**: Institutions of Higher Learning and Education in Ancient India. Evolution of Higher Learning and Research in Post-Independence India. Oriental, Conventional, and Non-conventional Learning Programs in India. Professional, Technical, and Skill-Based Education. Value Education and Environmental Education. Policies, Governance, and Administration.

- > **Logical Reasoning:** Understanding the structure of arguments: argument forms, structure of categorical propositions, Mood and Figure, Formal and Informal fallacies, Uses of language, Connotations and denotations of terms, Classical square of opposition. Evaluating and distinguishing deductive and inductive reasoning. Analogies. Venn diagram: Simple and multiple use for establishing validity of arguments. Indian Logic: Means of knowledge. Pramanas: Pratyaksha (Perception), Anumana (Inference), Upamana (Comparison), Shabda (Verbal testimony), Arthapatti (Implication) and Anupalabddhi (Non-apprehension). Structure and kinds of Anumana (inference), Vyapti (invariable relation), Hetvabhasas (fallacies of inference).
- > **Data Interpretation:** Sources, acquisition and classification of Data. Quantitative and Qualitative Data. Graphical representation (Bar-chart, Histograms, Pie-chart, Table-chart and Line-chart) and mapping of Data. Data Interpretation. Data and Governance.
- > **Higher Education System:** Institutions of higher learning and education in ancient India. Evolution of higher learning and research in Post Independence India. Oriental, Conventional and Non-conventional learning programmes in India. Professional, Technical and Skill Based education. Value education and environmental education. Policies, Governance, and Administration.
- > **Comprehension:** A passage of text be given. Questions be asked from the passage to be answered.

14. **Evaluation method:** Continuous Internal Evaluation and Final Assessment on Last day

Assesment	Marks
MCQ type questions covering all the units	30
Internal Assessment: 10	10
Project	05
Attendance	05
Total	50

15. **Marking Procedure:**

Attendance Percentage= Total number of lectures attended

Total Number of Lecture Head

Total Marks in Attendance= 05

Attendance Percentage	Marks Allotted
Above 90	5
80-89	4
70-79	3
60 – 69	2
Below 60	Not eligible for certificate

16. Table for Qualification

Total Score (out of 50)	GRADE
45-50	O- Outstanding
40-44	E- Excellent
35-39	A-Very Good
26-34	B-Good
20-25	C-Fair
Below 25	F- Failed

17. Course Outcome:

- The course will enable the student to develop in them the teaching and research aptitude.
- It will help them to have the basic knowledge about research methodology, Communication skill and higher education system if our country.
- It will prepare them for the various competitive examinations.
- Those who are aspiring to be teachers they will be benefited from this course.
- This course will help them to complete their present curriculum with better knowledge.
- It will develop in them reasoning and critical thinking abilities.
- They will be able to write research proposals.

18. Course Benefit:

- Preparation for competitive exam.
- Secured Job opportunities.
- Better concept about the relevant topics.
- Confidence building among students

POLITICAL REPRESENTATION AND WOMEN RIGHT

DEPARTMENT OF POLITICAL SCIENCE

Duration: 30 Hours

Date of Commencement: 24.08.2022

Date of Completion: 21.12.2022

Number of Students Enrolled: 43

Number of Students Completed the Course: 43

Session: 2022-23

Ref.No....................

Date 19.08.22

NOTICE

The Department of Political Science will be introducing an Add-On Course on 'Political Representation and Women Rights'. The duration of the course is 30 hours. Interested students can enrol their names with Smt. Lupsy Mohanty Roy on or before 20th August, 2022. The course commences from 24th August, 2022.

Schakabay 19/8/22

PRINCIPAL / TIC
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Sammilani Mahavidyalaya

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KOLKATA - 700 094

Ref.No............................

Date ....

ADD ON COURSE DETAILS

DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science is providing Add on Course on the relevant topics stated below so that students can get additional knowledge on related topics apart from basic curriculum provided by the University of Calcutta under CBCS UG Course.

The List of Add on Course with necessary details is provided below:

SL.NO	COURSE TITLE	YEAR	DURATION	ELIGIBILITY	MINIMUM INTAKE	ENROLLED
1	USAGE OF INTERNET	2022-23 (Sem I) Admitted in July 2022	30 hours (1Semester)	10+2	20	22
2	POLITICAL REPRESENTATION AND WOMEN RIGHTS	2022-23 (Sem III) Admitted in July 2021	30 hours (1Semester)	10+2	20	43
3	LAWS ON GENDER VIOLENCE IN INDIA	2022-23 (Sem VI) Admitted in July 2020	30 hours (1Semester)	10+2	20	28

Head, Department of Political Science
Sammilani Mahavidyalaya

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Organizing Department: Department of Political Science

Name of the Resource Person: Lupsy Mohanty Roy

Course Duration: 24th Aug—21st Dec 2022

Mode of Teaching: Offline Mode

Course Content: 28 hours for theoretical classes, 1hr for assignment and 1hr for Assessment or Evaluation on the Course.

POLITICAL REPRESENTATION AND WOMEN RIGHTS

Objectives of the course:
1. To understand the value of vote in democracy
2. To comprehend concept of 'Rights'
3. To bring about change for better life
4. To sensitize about political right and importance of political participation

Opportunities:
Helps one to get rid of patriarchy and move towards gender parity so that world will become a better place to dwell in. One can contribute in field of Psephology, Social Work, Political Analysis etc.

Course Contents
1. Meaning of Political Representation and Participation
2. Meaning of apathy and Rights
3. Classification of Rights with emphasis on political right
4. Women Rights and its protection

Reading List
A. Heywood, (2002) 'Representation, Electoral and Voting', in *Politics*. New York: Palgrave, pp. 223-245.

C. Jaffrelot, (2008) 'Why Should We Vote? The Indian Middle Class and the Functioning of World's Largest Democracy', in *Religion, Caste and Politics in India*, Delhi: Primus, pp. 604-619.

Maxine Molyneux and Shahra Razavi, *Gender, Justice, Development and Rights*, Oxford: Oxford University Press, 2002.

McKinnon, Catriona. (2003) 'Rights', in Bellamy, Richard and Mason, Andrew. (eds.) *Political Concepts*. Manchester: Manchester University Press, pp. 16-27.

R. Deshpande, (2004) 'How Gendered was Women's Participation in Elections 2004?', *Economic and Political Weekly*, Vol. 39, No. 51, pp. 5431-5436.

Tulkdar, P.S. (2008) 'Rights' in Bhargava, Rajeev and Acharya, Ashok. (eds.) *Political Theory: An Introduction*. New Delhi: Pearson Longman, pp. 88-104.

Working Group on the Girl Child (2007), *A Girl's Right to Live: Female Foeticide and Girl Infanticide*, available on http://www.crin.org/docs/Girl's infanticide CSW 2007.txt
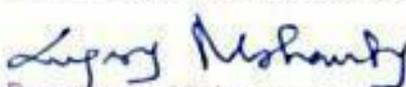
Head, Department of Political Science
Sammilani Mahavidyalaya
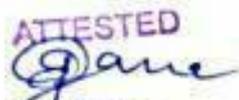
ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

COURSE ON ETHICAL AND MORAL VALUES

DEPARTMENT OF PHILOSOPHY

Duration: 32 Hours

Date of Commencement: 12.09.2022

Date of Completion: 30.09.2022

Number of Students Enrolled: 15

Number of Students Completed the Course: 15

Session: 2022-23

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

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principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No.............. ....

Date ..... 26.09.2022....

Minutes of the first meeting of the IQAC held on Monday, September 26, 2022 at 12 noon in the IQAC Room

The meeting commenced with the Teacher-in-Charge taking the chair. The agenda were taken up for discussion one by one and the following resolutions were adopted.

1. The minutes of the last meeting held on June 29, 2022 were read and confirmed.

2. Dr. Srikanta Malakar, Coordinator of the IQAC, reported the progress of AQAR 2021-22 preparation including the status of different criteria. He told that the last date of submission of filled in criteria to the respective coordinator was 31.08.2022. The respective coordinators of the AQAR 2021-22 preparation team expressed their opinion to extend the date of submission of filled in criteria from 31.08.2022 to 30.11.2022 as they have enormous work regarding the closing ceremony of Silver Jubilee Celebration of our college on 12.12.2022.

    Resolved unanimously that all the criteria be completed and submitted to the respective coordinators latest by 30.11.2022 in order to ensure timely submission of the AQAR by 31.12.2022.

3. Resolved unanimously that Department-wise orientation programmes regarding the syllabus for the new students of Semester I be conducted in their initial classes, respectively.

4. Resolved unanimously that the necessity of commencement of training/ orientation programme for improving ICT/ computing skills for the students and the faculty members be appreciated and approved; and Dr. Bapan Kumar Maity and Smt. Brototi Mondal, Convener and Co-convener of the Information Technology Resource Management (ITRS) Sub-committee respectively, be requested to initiate the necessary process.

5. The members agreed to the proposal of the Coordinator of IQAC, Dr. Srikanta Malakar regarding the necessity of more collaborations/linkages for Faculty exchange, Student

exchange, Add-on-courses, Internship of students, Field trip, On-the-job training, Research, etc. with Academia as well as Industry, and resolved that the Teacher-in-Charge be requested to take necessary initiative in this regard including signing of Memorandum of Understanding (MoU) with other institutions/industry, wherever required.

6. Regarding the promotion of Dr. Malay Roy, Assistant Professor in Mathematics and Smt. Kasturi Kar, Assistant Professor in History under Career Advancement Scheme (CAS), Dr. Srikanta Malakar, Coordinator of the IQAC, reported that the papers submitted by the two incumbents were thoroughly scrutinised by the Scrutiny Committee of IQAC and also the report of the Scrutiny Committee of IQAC has been forwarded to the Teacher-in-Charge. Resolved unanimously that the Teacher-in-Charge be requested to take necessary initiative in this regard.

Dr. Srikanta Malakar, Coordinator of the IQAC, reported that papers regarding re-fixation of pay under Career Advancement Scheme (CAS) of Dr. Mrinal Chandra Halder, Assistant Professor in Bengali, was thoroughly scrutinised by the Scrutiny Committee of IQAC and also the report of the Scrutiny Committee of IQAC has been forwarded to the Teacher-in-Charge. Resolved unanimously further that the Teacher-in-Charge be requested to take necessary initiative in this regard.

Miscellaneous:

I. Dr. Srikanta Malakar, Coordinator of the IQAC, opined that the Research Sub-committee should be more proactive regarding research activities in different fields. He also suggested that our college should sanction adequate amount to run the research activities internally apart from grant received from UGC or other funding agencies.

Resolved unanimously that the Teacher-in-Charge be requested to take necessary initiative in this regard.

II. Resolved unanimously that special classes for Value-based education (Ref.: Institutional preparedness for NEP: 3. Skill development) to enrich moral values and

ethics of the students be introduced for the students in online/ offline mode, and Smt. Sangita Dey Sarkar, Associate Professor in Philosophy, be entrusted with the responsibility of planning and executing the programme.

III. Resolved unanimously that at least one vocational course (Ref.: Institutional preparedness for NEP: 3. Skill development) for all students before graduating from the college, be introduced, and Smt. Sangita Dey Sarkar, Associate Professor in Philosophy, be entrusted with the responsibility of framing and executing the course.

IV. Resolved unanimously that a short-term course in Sanskrit language (Ref.: Institutional preparedness for NEP: 4. Appropriate integration of Indian Knowledge system) be started for the students of the college in online/ offline mode, and Dr. Sudeshna Basu, Assistant Professor in Sanskrit, be entrusted with the responsibility of framing and executing the said course.

V. Resolved unanimously that the proposal of Dr. Bapan Kumar Maity, Librarian and the Convener of Information Technology Resource Management (ITRM) Sub-committee regarding the change of domain name of the college website from 'dot org' (.org) to 'dot ac dot in' (.ac.in), be appreciated and approved; and Dr. Maity and Smt. Brototi Mondal, Assistant Professor in Computer Science and Co-convener of the ITRM Sub-committee be requested to complete the necessary process.

VI. Dr. Srikanta Malakar, Coordinator of the IQAC placed the feedback obtained from students and other stakeholders. Necessary discussion was made on the feedback and a report was prepared on that basis.

Resolved unanimously that the feedback report be accepted and sent to the Governing Body for its approval.

As there was no other agendum to discuss, the meeting ended with a vote of thanks to the chair.

Dr. Srikanta Malakar

(Coordinator, IQAC)
Coordinator
IQAC
Sammilani Mahavidyalaya
E. M. By Pass, Baghajatin
Kolkata-700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Dr. Sharmila Chakraborty

(Teacher-in-Charge)

Teacher-in-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700094

Ref. No............................

Date 8|9|22

NOTICE

This is to bring to the notice of concerned students that Department of Philosophy is going to

offer certificate course for the 3rd Semester students. Concerned Students are directed to

contact with the department for enrolment. The details of the courses are given below:

Certificate Course on Ethical & Moral values	Semester III	32 hours (Total)	12/09/2022(tentative)	Smt.Shibani Bhattacharya 1. Sri Bibek Manna

Ranjit Shaw

Head, Department of Philosophy
Sammilani Mahavidyalaya
Baghajatin, Kolkata-700 094

SChakraborty 8.9.22

Teacher-In-charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
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CERTIFICATE COURSE ON ETHICAL & MORAL VALUES

Course objective: The objective of the course is

1. To develop a sense of right and wrong leading to practical ethical behaviour.

2. To develop a positive character. an empathetic - responsible citizen.

3. To promote a sustainable community life style.

Course curriculum design:

Stage1- Definition of Ethics and Morality. (6 lectures/ 6 hours.)

Stage 2- Nature and scope of ethics and moral values (6 lectures/ 6 hours)

Stage 3- Principles of ethics and Morality. (6 lectures/ 6 hours.)

Stage 4- Indian value system. (6 lectures/6 hours)

Stage 5- Addiction. Alcoholism. and ethical values of students (5 lectures/5 hours)

Stage 6- Evaluation. (3 hours)

Course duration: at least 32 hours (tentatively)

Course instructor: Department of Philosophy. Sammilani Mahavidyalaya

Course benefits:

➢ It helps to develop a sense of belonging.

➢ It educates students with a life-enhancing understanding from moral point of view.

➢ It helps students to inculcate a positive work culture respecting professional ethics.

➢ It also teaches how to behave and react in future work place.

➢ It inculcates leadership.

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Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

COURSE CODE- PLS/2

USAGE OF INTERNET

DEPARTMENT OF POLITICAL SCIENCE

Duration: 30 Hours

Date of Commencement: 21.09.2022

Date of Completion: 13.01.2023

Number of Students Enrolled: 22

Number of Students Completed the Course: 22

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

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E-mail :
principal.sammalani@gmail.com
Info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No............................

Date ...13. 8. 22.....

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

ADD ON COURSE DETAILS

DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science is providing Add on Course on the relevant topics stated below so that students can get additional knowledge on related topics apart from basic curriculum provided by the University of Calcutta under CBCS UG Course.

The List of Add on Course with necessary details is provided below:

SL.NO	COURSE TITLE	YEAR	DURATION	ELIGIBILITY	MINIMUM INTAKE	ENROLLED
1	USAGE OF INTERNET	2022-23 (Sem I) Admitted in July 2022	30 hours (1Semester)	10+2	20	22
2	POLITICAL REPRESENTATION AND WOMEN RIGHTS	2022-23 (Sem III) Admitted in July 2021	30 hours (1Semester)	10+2	20	43
3	LAWS ON GENDER VIOLENCE IN INDIA	2022-23 (Sem VI) Admitted in July 2020	30 hours (1Semester)	10+2	20	28

Sammilani Mahavidyalaya

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Phone : 2462-6869
E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No............................

Date 26·8·22

NOTICE

The Department of Political Science will be introducing an Add-On Course on **'Usage of Internet'**. The duration of the course is 30 hours. Interested students can enrol their names with Sri. Rahul Sengupta on or before 31st August, 2022. The course commences from 21st September, 2022.

Sehakhabg 26/8/22

PRINCIPAL / TIC
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Organizing Department: Department of Political Science

Name of the Resource Person: Rahul Sengupta

Course Duration: 21st Sept 2022—13th Jan 2023

Mode of Teaching: Blended Mode

Course Content: 28 hours for theoretical classes, 1hr for assignment and 1hr for Assessment or Evaluation on the Course.

USAGE OF INTERNET

Objectives of the course:
1. To comprehend the digital world
2. To equip students to face adverse situation during pandemic
3. To help for both academic and motivational purpose
4. To help those who want go for professional course

Opportunities:
Helps young aspirants, to develop soft skills and join any sector, as per their calibre as digitization is in demand. The student can collect e-resource for knowledge, research and to pursue higher education.

Course Contents
1. What is Computer? Difference between hardware and software
2. Digital or Online Education and its relevance
3. Importance of Internet in field of education
4. Usage of scanner and applications for uploading of file

Reading List

DeBell, M., and Chapman, C. (2006). *Computer and Internet Use by Students* in 2003 (NCES 2006-065). U.S. Department of Education. Washington, DC: National Center for Education Statistics. Retrieved February 21, 2017, from http://nces.ed.gov/pubs2006/2006065.pdf.

File, T., and Ryan, C. (2014). Computer and Internet Use in the United States: 2013 (ACS-28). U.S. Department of Commerce. Washington, DC: Census Bureau. Retrieved February 21, 2017, from https://www.census.gov/history/pdf/2013computeruse.pdf.

Hunley, S.A., Evans, J.H., Delgado-Hachey, M., and Krise, J. (2005). Adolescent Computer Use and Academic Achievement. *Adolescence*, 40(158): 307. Retrieved February 21, 2017, from https://www.ncbi.nlm.nih.gov/pubmed/16114593.

NCERT Books on Computer and Usage of Internet

Various website of Vedantu, Unacademy, BYJU'S etc.

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Head, Department of Political Science
Sammilani Mahavidyalaya

ADD ON / CERTIFICATE / VALUE ADDED COURSE

DOCUMENTS

1) Notice for conducting the course.
2) A brochure or Course plan containing the following information—

Course title: Usage of internet

Course overview: helping students to develop soft skills and join a sector as per their caliber as digitization is in demand.

Objectives: 1) to comprehend the digital world.

2) to make them aware about global political and environmental events through internet.
3) to help students for academic and motivational purpose.
4) to help those who want to go for professional course.

Organizing department: department of political science

Name of the resource persons: Rahul Sengupta

Course duration: 30 hours

Mode of teaching: offline

Course content/ curriculum:
1) What is computer?
2) Importance of internet in gathering information about socio-political-environmental issues.
3) Importance of internet in the field of education
4) Usage of scanner and applications for uploading of file.

Course fee: nil

Course outcome: Enabling students to use the internet so that they may be enlightened about international events, climate change and ecological disruptions often caused by policy makers.

Date wise attendance sheet with signature of the participants

Notice announcing the date of certificate distribution

Feedback of the course from the participants

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Head, Department of Political Science
Sammilani Mahavidyalaya

USAGE OF INTERNET

Objectives of the course:

1. To comprehend the digital world
2. To equip students to face adverse situation during pandemic
3. To help for both academic and motivational purpose
4. To help those who want go for professional course

Opportunities:

Helps young aspirants, to develop soft skills and join any sector, as per their calibre as digitization is in demand. The student can collect e-resource for knowledge, research and to pursue higher education.

Course Contents

1. What is Computer? Difference between hardware and software
2. Digital or Online Education and its relevance
3. Importance of Internet in field of education
4. Usage of scanner and applications for uploading of file

Reading List

DeBell, M., and Chapman, C. (2006). *Computer and Internet Use by Students* in 2003 (NCES 2006-065). U.S. Department of Education. Washington, DC: National Center for Education Statistics. Retrieved February 21, 2017, from http://nces.ed.gov/pubs2006/2006065.pdf.

File, T., and Ryan, C. (2014). Computer and Internet Use in the United States: 2013 (ACS-28). U.S. Department of Commerce. Washington, DC: Census Bureau. Retrieved February 21, 2017, from https://www.census.gov/history/pdf/2013computeruse.pdf.

Hunley, S.A., Evans, J.H., Delgado-Hachey, M., and Krise, J. (2005). Adolescent Computer Use and Academic Achievement. *Adolescence*, 40(158): 307. Retrieved February 21, 2017, from https://www.ncbi.nlm.nih.gov/pubmed/16114593.

NCERT Books on Computer and Usage of Internet

Various website of Vedantu, Unacademy, BYJU'S etc.

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Head, Department of Political Science
Sammilani Mahavidyalaya

CERTIFICATE COURSE ON DRAMA

CULTURAL SUBCOMMITTEE AND DRAMA CLUB

Duration: 30 Hours

Date of Commencement: 22.09.2022

Date of Completion: 23.11.2022

Number of Students Enrolled: 14

Number of Students Completed the Course: 14

Session: 2022-23

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kol...

Ref. No.............................

Date 16|9|22

NOTICE

It is hereby notified to all students who have cleared the audition test for Drama Workshop that it will commence from 22.09.2022 at room no. 107 at 2 p.m. Details of schedule will be provided at the venue.

Dr. Sharmila Chakraborty
(Teacher-in-Charge)

Teacher-In-Charge
Sammilani Mahavidyale
E.M. Bypass, Baghajatin
Kolkata-700094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Objectives:
1. To bring together students who are inclined towards performing arts.
2. Creating an atmosphere of tranquility so as to motivate the students to shed their inhibitions and surrender fully to the flow of drama enactment.
3. Thereby creating and installing a sence of self confidence and belief amongst students.
4. Sowing the seeds of creativity amongst students thereby creating future performers in the field of performing arts.

Outcome:
The show was performed at The gates of the college premises. Needless to say it was a road stopper. The students carried out their roles flawlessly and it was something that people were witnessing for the very first time. The students were jubiliant of their efforts and audience were ecstatic. The aim for which this whole process was initiated was fullfilled as students started enquiring about the next workshop from the very next day.

Curriculum:
1. Three days a week of 3 hours each for 5 weeks.
2. One hour of interactive session and group discussion.
3. Two hours of drama enactment.
4. Final rehearsal of 8 hours.
5. Two dress rehearsal of 6 hours each.
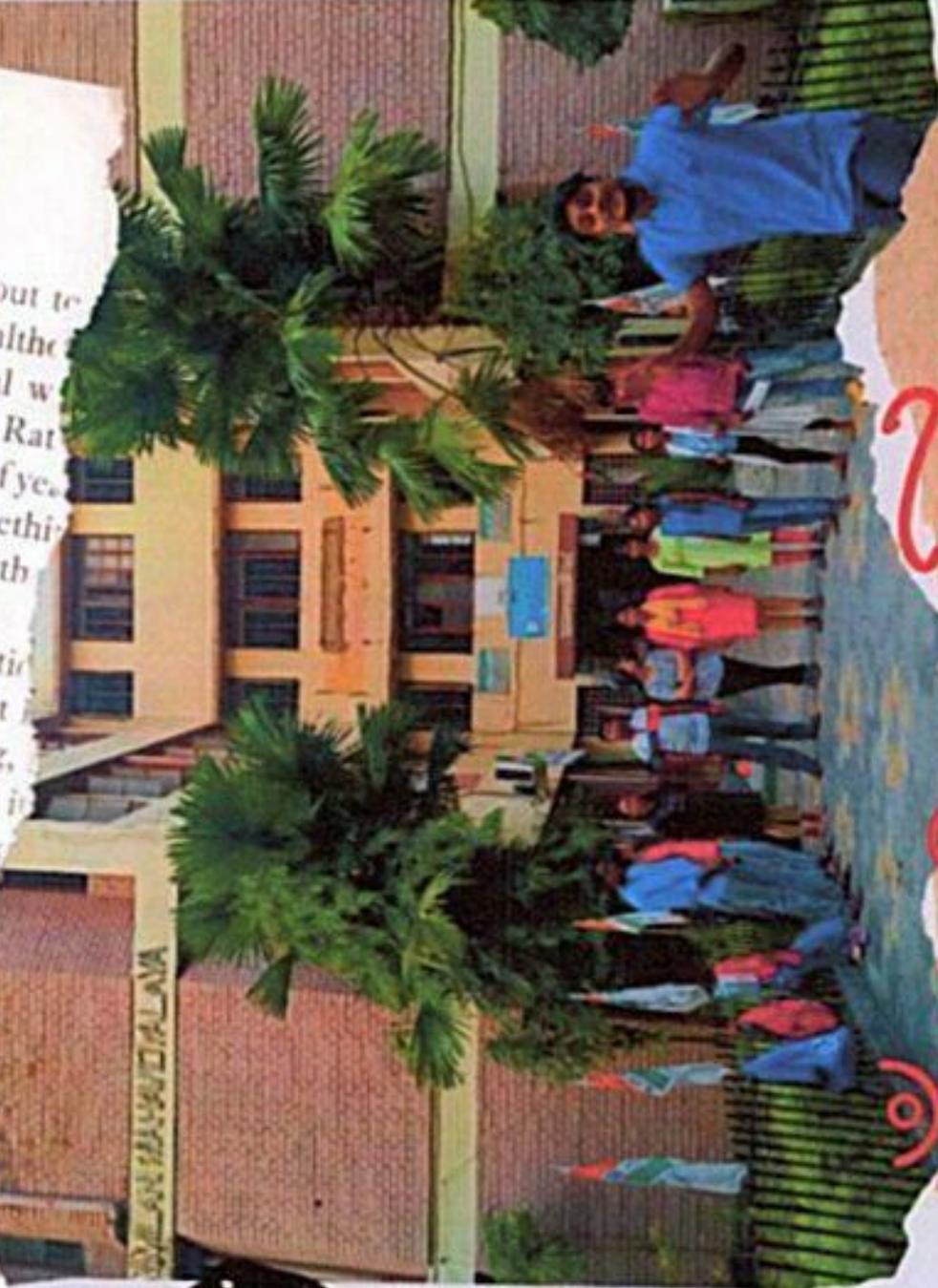
THE MATHEMATICA: MATH SOLVER, PROGRAMMER AND DRAWING TOOL

DEPARTMENT OF MATHEMATICS

Duration: 30 Hours

Date of Commencement: 12.10.2022

Date of Completion: 29.10.2022

Number of Students Enrolled: 34

Number of Students Completed the Course: 33

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

[AFFILIATED TO CALCUTTA UNIVERSITY]
E. M. BYPASS, BAGHAJATIN,
KOLKATA - 700 094

Phone : 2462-6889
E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No.............................

Date . 03/09/22

NOTICE

DEPARTMENT OF MATHEMATICS

DATE : 02. 09. 2022 (Friday)

A meeting will be held of the faculty members of department of Mathematics, Sammilani Mahavidyalaya, Baghajatin, on 9th of september (Friday), 2022 at 1pm. to discuss about

1. Confirmation of the previous meeting.
2. Add-on course for students of Mathematics for the session 2022-23.
3. Arrangement of add on classes beyond the regular class routine and distribution of syllabus among teachers.
4. Preparation of IKS related Mini Research Project by MTMA Semester - VI Students under the guidance of Departmental teachers.
5. Miscellaneous.

All faculty members are requested to attend the meeting positively.

Sumita Das 02/09/22

Dr. Sumita Das
HOD, Department of Mathematics
Sammilani Mahavidyalaya

HOD
Dept. of Mathematics
Sammilani Mahavidyalaya

ATTESTED
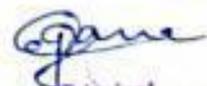
Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Resolution Adopted of the meeting dated 09.09.2022

Resolutions taken at the meeting of the faculty members of department of mathematics of Sammilani Mahavidyalaya, Baghajatin, held on 9th of September, 2022 (Friday) at 1pm, are given below :

1. The minutes of the previous meeting have been confirmed.
   Time table and Academic Calendar have been prepared and distributed among the students.

2. Add-on course for odd semester students(session-2022-2023) will be conducted by our faculty members Dr. Malay Roy and Dr. Raju Haldar from 12.10.2022 and onwards. Dr. Malay Roy will take 16 classes (1 hour duration) and Dr. Raju Haldar will take 14 classes (1 hour duration).
   Topic decided: *The Mathematica: Math solver, programmer and drawing tool.*

3. It has been decided that add-on classes will be taken without hampering the regular classes, both in online and offline mode. Syllabus of the course will be decided by Dr. Malay Roy and Dr. Raju Haldar and for enrollment of the student. a google form will be made by Dr. Malay Roy which will be shared in the student's whatsapp group of Mathematics.

4. It has been decided that some selected advanced learner students of Semester VI, MTMA will prepare a Departmental Research Project on History of Mathematics and its application(Sulva Sutra) to present day Mathematics, based on the Indian knowledge system, guided by Departmental teachers Dr. Sumita Das and Mrs. Sukti Sen.

5. Another departmental meeting will be held after the puja vacation to discuss project work and parent-teacher meetings.
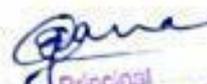
The meeting ended with a vote of thanks.

ATTESTED

Sumita Das 09/02/22
Dr. Sumita Das
HOD, Department of Mathematics

HOD
Dept. of Mathematics
Sammilani Mahavidyalaya

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)
[AFFILIATED TO CALCUTTA UNIVERSITY]
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KOLKATA - 700 094

Phone : 2462-6869
E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Date: 23.09.2022

Notice

All the students and alumni are hereby informed that our Department is going to arrange a thirty hours Add-on course on *"The Mathematica: Math solver,* programmer and drawing tools" starting from 12.10.2022 (Wednesday). All are asked to enroll their name for the course within seven days.

All interested students are asked to report by 11:00 a.m. on 12.10.2022.

Sumita Das

HOD
Department of Mathematics
Sammilani Mahavidyalaya

Teacher-in-charge
Sammilani Mahavidyalaya

Teacher-in-charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

DEPARTMENT OF MATHEMATICS

Course Name: The Mathematica: Math Solver, Programmer and a Drawing tool

Synopsis: We have arranged an Add-on course on Mathematica (a mathematical software) to overcome the difficulties for solving mathematical problems. This Add-on course will be of 30 hrs duration in offline mode. In everyday life and to study basic science, we face various types of problems which are solved using mathematical techniques or procedures. It may be easy or hard to solve. In either case, we can use Mathematica to handle it. In the case of Calculus or Algebra, Mathematica makes it easy and simple to do a solution of problems on it. It is also very helpful to solve differential equations and check characteristics of them. Mathematica can also be used as drawing tools. We can also do programming with it. So learning Mathematica is very much essential to those who are attached with mathematics from different areas. Hope this course is an opportunity for our students to learn a mathematical tool and to use it in their higher study.

Mathematica Syllabus for Add-on Course

1. Arithmetic operations, Modulo operator, Numerical Approximation, Formation of Mathematical Expression, Manipulating functions, List handling, Table formation, List Manipulation.

2. Solution of equation: polynomial, solution of system of equation, Numerical solution.

3. Working with Matrix: rank, determinant, transpose, inverse, Eigenvalues

4. Mathematica on Basic Calculus: Limit, Derivative, Integration (Definite or indefinite, Numerical), Sum of sequence, series, Series Expansion

5. Plotting of functions: 2D plot, Parametric plot, 3D plot
6. Solution of differential equation
7. Module Programming; Input-Output Function, Loop (Do, While, For), Control sequence (If, If-Then-Else, Which, Switch), Continue, Break, Return, Goto, User Defined Function, Associate Programmes.

Course Outcomes: Those who learn Mathematica, they are able to write mathematical expressions in Mathematica and are able to solve mathematical problems involving natural phenomena. Here is a scope of plotting graphs and doing programs with it. As Mathematica can be used to solve mathematical problems, drawing graphs and doing programs, it gives an opportunity to do project work as well as research work. It will help us to present results in data and graphical format and to make comments on the results. Thus Mathematica will help learners for further study in various fields associated with mathematics.

Fees Structure: The course will be free of cost.

Evaluation: A practical examination will be conducted on the completion of the course.

Certificate: Certificate will be distributed after successful completion of the course and getting 60% marks.

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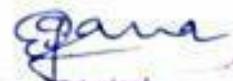
Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

SAMMILANI MAHAVIDYALAYA

E.M. BYPASS, BAGHAJATIN, KOLKATA - 700094

Lesson Plan for Add-on Course

on

The Mathematica: Math Solver, Programmer and a Drawing tool

Name of Faculty	Syllabus Taught	No. of Classes
Dr. Raju Haldar	1. Arithmetic operations, Modulo operator, Numerical Approximation, Formation of Mathematical Expression, Manipulating functions, 2. List handling, Table formation, List Manipulation. Solution of equation: polynomial, solution of system of equation, Numerical solution. 3. Working with Matrix: rank, determinant, transpose, inverse, Eigenvalues	14 Class
Dr. Malay Roy	4. Mathematica on Basic Calculus: Limit, Derivative, Integration (Definite or indefinite, Numerical), Sum of sequence, series, Series Expansion 5. Plotting of functions: 2D plot, Parametric plot, 3D plot 6. Solution of differential equation 7. Module Programming; Input-Output Function, Loop (Do, While, For), Control sequence (If, If-Then-Else, Which, Switch), Continue, Break, Return, Goto, User Defined Function, Associate Programme	16

TRIBAL FOLK: TO REMEMBER THE *SABAR* TRIBE

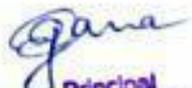## DEPARTMENT OF BENGALI

Duration: 30 Hours

Date of Commencement: 12.10.2022

Date of Completion: 21.10.2022

Number of Students Enrolled: 42

Number of Students Completed the Course: 41

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

[AFFILIATED TO CALCUTTA UNIVERSITY]
E. M. BYPASS, BAGHAJATIN,
KOLKATA - 700 094

Phone : 2462-6869
E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No...........................

Date ....

Date: 02.10.2022

Notice

All the students and alumni are hereby informed that our Department is going to arrange a Thirty hours Certificate Course on " **Tribal Folk: To Remember The 'Sabar' Tribe** " starting from 12.10.2022 (Wednesday) in blended mode. All are asked to enroll their name for the course within seven days.

HOD
Department of Bengali
Sammilani Mahavidyalaya

Head, Department of Bengali
Sammilani Mahavidyalaya

Principal /TIC
Sammilani Mahavidyalaya
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

Attested

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

SAMMILANI MAHAVIDYALAYA

E.M. BYPASS, BAGHAJATIN, KOLKATA - 700094
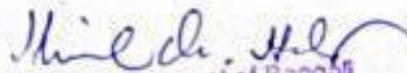
DEPARTMENT OF BENGALI

## Course Name:- Tribal Folk: To Remember The 'Sabar' Tribe

Synopsis: We have arranged an Add-on course on Bengali Folk Literature. This Tribal Folk literature is very important for our literature lover. This Add-on course will be of 30 hrs duration in offline mode. Tribal & Folk art belongs to the section of people who belong to different social groups. They belong to the primitive society. They are the ones close to nature and this thing is regional. They have a set of belief system and it is there on native way. They present their art to there on society. They belief there primitive God, Festival and take their own food from the forest.

'Sabar' Janajati – The Sabar janajati is very old primitive people and the are the Munda ethnic group. Hope this course is an opportunity for our students to learn Bengali Folk literature and use it in their higher study.

Tribal Folk Syllabus for Add-on Course

1. Livelihood of the Sabar Janajati
2. Mother tongue of the Janajati
3. The God of the Sabar
4. The festival of the Janajati
5. The dance of the Sabar
6. Folk song of the Janajati

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Head, Department of Bengali
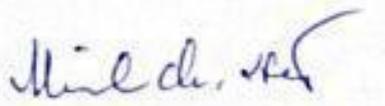Sammilani Mahavidyalaya
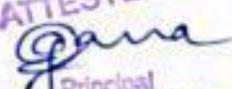
SAMMILANI MAHAVIDYALAYA
E.M. BYPASS, BAGHAJATIN, KOLKATA - 700094

Course Outcomes: Those who learn Tribal Folk, they are able to learn about the primitive people and there culture. To learn this course the students will also have an idea of the primitive people. As Tribal Folk students learn, Livelihood, Mother tongue, The God, The dance and The Folk song, it gives an opportunity to do project work as well as research work. Thus Tribal Folk will help learners for further study in various fields associated with Bengali literature.

Fees Structure: The course will be free of cost.

Evaluation: A written examination will be conducted on the completion of the course.

Certificate: Certificate will be distributed after successful completion of the course and getting 60% marks.

Head, Department of Bengali
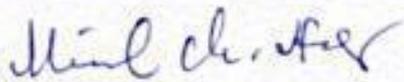Sammilani Mahavidyalaya

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Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

SAMMILANI MAHAVIDYALAYA

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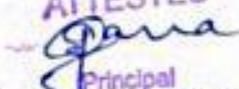
Department of Bengali

Syllabus- Add-on Course:

Tribal Folk: To Remember The 'Sabar' Tribe

1. Livelihood of the Sabar Janajati
2. Mother tongue of the Janajati
3. The God of the Sabar
4. The festival of the Janajati
5. The dance of the Sabar
6. Folk song of the Janajati

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Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Head, Department of Bengali
Sammilani Mahavidyalaya

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E.M. BYPASS, BAGHAJATIN, KOLKATA - 700094

Lesson Plan for Add-on Course

on

Tribal Folk: To Remember The 'Sabar' Tribe

Name of Faculty	Syllabus Taught	No. of Classes
Dr. Ruma Chakraborti	1. Livelihood of the Sabar Janajati 2. Mother tongue of the Janajati 3. The God of the Sabar	14
Dr. Mrinal Ch. Halder	4. The festival of the Janajati 5. The dance of the Sabar 6. Folk song of the Janajati	16

Head. Department of Bengali
Sammilani Mahavidyalaya

ATTESTL

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

SAMMILANI MAHAVIDYALAYA

E.M. BYPASS, BAGHAJATIN, KOLKATA - 700094

Department of Bengali

Course Outcomes - Add-on Course: Tribal Folk: To Remember The 'Sabar' Tribe

SEMESTER	MODULE	COURSE OUTCOME
SEM III (BNGA)	1. Livelihood of the Sabar Janajati 2. Mother tongue of the Janajati 3. The God of the Sabar	• Those who learn Tribal Folk, they are able to learn about the primitive people and there culture. To learn this course the students will also have an idea of the primitive people. As Tribal Folk students learn, Livelihood, Mother tongue, The God.
	4. The festival of the Janajati 5. The dance of the Sabar 6. Folk song of the Janajati	• The dance and The Folk song, it gives an opportunity to do project work as well as research work. Thus Tribal Folk will help learners for further study in various fields associated with Bengali literature.

Head, Department of Bengali
Sammilani Mahavidyalaya

DATA SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Duration: 32 Hours

Date of Commencement: 01.11.2022

Date of Completion: 30.11.2022

Number of Students Enrolled: 51

Number of Students Completed the Course: 51

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED)
[AFFILIATED TO CALCUTTA UNIVERSITY]
BAGHAJATIN STN./E. M. BY PASS
KOLKATA-700 075

Office Phone : 2462-6869
Library : 2436-3919

E-mail :
info@sammilanimahavidyalaya.org

Ref. No. _____

Date 13 / 09 / 2022

NOTICE

This is to notify the 3rd and 5th Semester students of the Department of Computer Science that a Certificate course on **"Data Science"** will be organized in the department from 1st November to 30th November, 2022. The details of the program are displayed on the departmental notice board. All students of both the semesters are hereby directed to enroll for the course and give their names to Smt. Sunandana Mukherjee latest by 30th September 2022.

13 / 09 / 2022

Prof. Brototi Mondal

HOD, Department of Computer Science

Sammilani Mahavidyalaya

Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

HEAD
DEPT OF COMPUTER SCIENCE
Sammilani Mahavidyalaya
E.M. By Pass, Baghajatin
Kolkata-700094

DEPARTMENT OF COMPUTER SCIENCE
SAMMILANI MAHAVIDYALAYA

COURSE ON DATA SCIENCE

Date : 1st November to 30th Novenber, 2022

COURSE DURATION : 32 Hours

Fee Structure : Free of cost

OFFERED TO

Students of 3rd and 5th semester of the Department of Computer Science

Mode : Offline

RESOURCE PERSON

Smt. Swagata Saha Sau

Smt. Sunandana Mukherjee Banerjee

Sri. Bidyapati Sau

COURSE CO-ORDINATOR

Smt. Brototi Mondal
Assistant Professor
Department of
Computer Scienece
Sammilani Mahavidyalaya

Data science is a multidisciplinary field that involves the use of scientific methods, processes, algorithms, and systems to extract insights and knowledge from structured and unstructured data. It combines expertise from various domains, including statistics, computer science, mathematics, and domain-specific knowledge. This Data Science course accelerates your career in Data Science and provides you training and skills required to become successful in this field. This certificate course on "Dara Science" provides learners with an understanding of the fundamentals and core concepts of data science, which are essential for working in any industry.

With this consideration in mind, the current Certificate course, focusing on "Data Science," is tailored for students in the 3rd and 5th semesters within the Department of Computer Science. The course has been strategically developed so that upon its successful conclusion, students will possess a comprehensive understanding of Data Science techniques and tools.

Department of Computer Science
Sammilani Mahavidyalaya
Course on
"Data Science"

Data science is a multidisciplinary field that involves the use of scientific methods, processes, algorithms, and systems to extract insights and knowledge from structured and unstructured data. It combines expertise from various domains, including statistics, computer science, mathematics, and domain-specific knowledge. This Data Science course accelerates your career in Data Science and provides you training and skills required to become successful in this field. This certificate course on "Dara Science" provides learners with an understanding of the fundamentals and core concepts of data science, which are essential for working in any industry.

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Resource Person: Prof. Swagata Saha Sau

Prof. Sunandana Mukherjee Banerjee

Prof. Bidyapati Sau

Course Co-Ordinator: Prof. Brototi Mondal

Assistant Professor

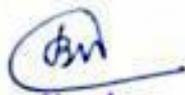Department of Computer Science

Sammilani Mahavidyalaya

OFFERED TO: students of 3rd and 5th semester of the Department of Computer Science

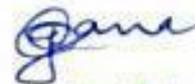**MODE:** Offline

COURSE DURATION: 32 Hours

Date: 1st November to 30th November, 2022

Fee Structure: Free of cost

Head
Department of Computer Science
Sammilani Mahavidyalaya, Kolkata-700075

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

DEPARTMENT OF COMPUTER SCIENEC

CERTIFICATE COURSE

Course Plan

COURSE TITLE: Data Science

ORGANIZING DEPARTMENT: Department of Computer Science

COURSE DURATION: 32 Hours

OFFERED TO: Students of 3rd and 5th semester of the Department of Computer Science

MODE: Offline

1st November to 30th November, 2022

COURSE OVERVIEW:

Data science is a multidisciplinary field that involves the use of scientific methods, processes, algorithms, and systems to extract insights and knowledge from structured and unstructured data. It combines expertise from various domains, including statistics, computer science, mathematics, and domain-specific knowledge. This Data Science course accelerates your career in Data Science and provides you training and skills required to become successful in this field. This certificate course on "Dara Science" provides learners with an understanding of the fundamentals and core concepts of data science, which are essential for working in any industry.

With this consideration in mind, the current Certificate course, focusing on "Data Science," is tailored for students in the 3rd and 5th semesters within the Department of Computer Science. The course has been strategically developed so that upon its successful conclusion, students will possess a comprehensive understanding of Data Science techniques and tools.

OBJECTIVES:

The objectives of a Data Science course typically revolve around equipping participants with the knowledge, skills, and practical experience needed to excel in the field of data science. The course is outlined to fulfill the following objectives –

- Provide a solid understanding of the foundational concepts of data science, including statistics, mathematics, and computer science.
- Teach data manipulation and analysis techniques using tools like Pandas and visualization libraries like Matplotlib and Seaborn.
- Introduce database concepts and teach how to work with both relational and non-relational databases for effective data storage and retrieval.

Head
Department of Computer Science
Sammilani Mahavidyalaya, Kolkata-700075
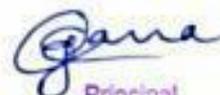
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Principal
Sammilani Mahavidyalaya
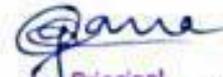E.M.Bypass, Baghajatin
Kolkata - 700 094

- Develop problem-solving skills by applying data science techniques to real-world problems and projects.
- Cover the basics of machine learning, including supervised and unsupervised learning, model evaluation, and common algorithms.

COURSE CURRICULUM

(Duration: 32 hours)

UNIT	TOPIC	SUBTOPIC	Hours	
			Theoretical	Practical
1	Introduction to Data Science	1.1 – Definition, scope, and applications 1.2 – Overview of the data science workflow	02	----
2	Mathematics for Data Science	2.1 – Basic linear algebra and calculus concepts 2.2 – Probability and statistics	04	----
3	Data Manipulation with Pandas	3.2 – Introduction to the Pandas library 3.2 – Data cleaning and preprocessing	04	02
4	Data Visualization with Matplotlib and Seaborn	4.1 – Basic plotting techniques 4.2 – Exploratory data analysis (EDA)	02	04
5	Introduction to Databases	5.1 – Relational databases (e.g., SQL) 5.2 – NoSQL databases (e.g., MongoDB) 5.3 – Working with SQL	02	04
6	Introduction to Machine Learning and Model Evaluation and Validation	6.1 – Supervised vs. unsupervised learning 6.2 – Overview of common algorithms 6.3 – Cross-validation 6.4 – Metrics for model evaluation	04	----
7	Ethics in Data Science	7.1- Privacy concerns 7.2 - Bias and fairness in machine learning	02	---

| 8	Emerging Trends in Data Science	8.1-Introduction to NLP, computer vision, etc.	02	----
		8.2-Recent advancements in the field		

COURSE OUTCOME:

Upon completion of the "Data Science" course, participants can expect to achieve the following outcomes:

1. **Data Analysis Skills:** Participants should be proficient in manipulating and analyzing data using tools like Pandas and be able to draw meaningful insights from datasets.
2. **Programming Proficiency:** Ability to write and understand code in languages such as Python or R, which are commonly used in data science.
3. **Database Management Competence:** Understanding of database concepts and the ability to work with both relational and non-relational databases for efficient data storage and retrieval.
4. **Machine Learning Competency:** Familiarity with fundamental machine learning concepts, algorithms, and the ability to build, train, and evaluate models.
5. **Problem-Solving Skills:** Capability to apply data science techniques to real-world problems, demonstrating a problem-solving mindset.

COURSE FEE: Nil

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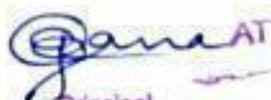
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COMPUTER APPLICATION IN GEOGRAPHICAL STUDIES

DEPARTMENT OF GEOGRAPHY
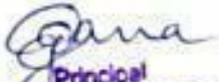
Duration: 31 Hours

Date of Commencement: 01.11.2022

Date of Completion: 22.11.2022

Number of Students Enrolled: 131

Number of Students Completed the Course: 110

Session: 2022-23

Ref.No........................

Date ....10/8/22....

NOTICE

Department of Geography

A meeting of the Department will be held on 16.8.2022 at 12:30 pm to discuss the agenda as mentioned in the following :—

- Confirmation of the minutes of the previous meeting.
- Framing of the routine for the newly admitted first semester class.
- Commencement of Certificate course on Computer Application.
- Distribution of ODD Semester Syllabus among the faculties.
- Miscellaneous.

All the members are earnestly requested to joint the meeting.

Tanumoy Dasgupta

Head, Department of Geography

Departmental Meeting   16/8/22

The meeting started at 12:45 pm in the Departmental
staff room. The members present were —
1. Paramita Dasgupta   Adg 16/8/22
2. Kamonasish Mishra   (sd) 16.8.22
3. Arundhuti Mukherjee
4. Nayan Ray
5. Achintya Pramanik

The minutes of the previous meeting were read
& confirmed.
The HOD placed the routine of Odd Semester before
the house. After some minor alterations, the house
unanimously accepted the routine & it was resolved
that the routine be followed henceforth for the present
Odd Semester classes.

The HOD appreciated the effort of her departmental
faculties towards, ensuring successful completion of two
Certificate Courses (Total Station & Drone based remote
Survey). It was resolved unanimously that the
third one i.e Certificate Course on Computer Application
for Geographical studies be completed within this
yr. The tentative date of commencement of the
said course was fixed on 1.11.2022, & it was
further decided that the course to to complete
the course within November.

• It was resolved further that the syllabus
distribution among the faculties be same as
that of previous Semester(ODD) except some alteration
in CC-7 (statistics).

• In the miscellaneous section it was decided
that the 'no objection' certificate from the Guardians
of the students of 5th Sem (Hons) would be
collected immediately for their field trip in

(P.T.O)

Sammilani Mahavidyalaya

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Phone : 2462-6869
E-mail :
principal.sammilani@gmail.com
Info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref. No...............................

Date ....

NOTICE

This is hereby notified that a Certificate Course on "Computer Applications in Geographical Studies", of 31 hours duration, will be organized by the Department of Geography for the first and third semester students (Both Honours and General). The course will commence on 01.11.2022 and certificates will be given by the college to the participants after successful

Head of the Department
Head
Department of Geography
Sammilani Mahavidyalaya
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Signature of the TIC /Principal

Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

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Certificate course
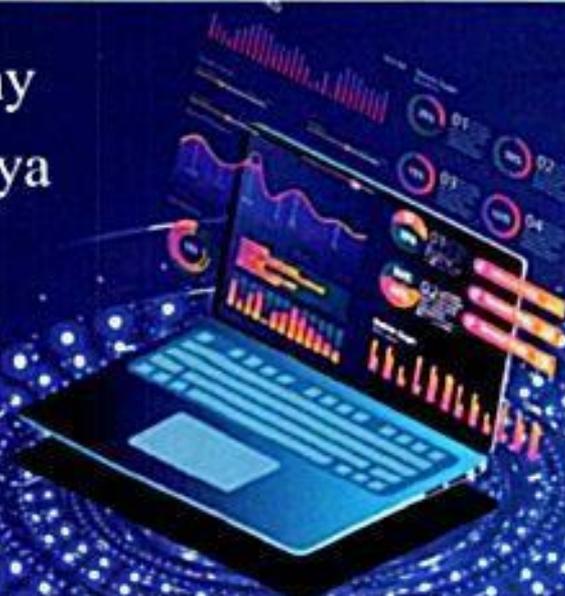
on

Computer Applications in Geographical Studies

Session: 2022-23

Computer Basic
Microsoft Ward 2016
Microsoft Excel 2016
Microsoft Power Point 2016
Basics of Web Platform

Course Duration: 31 Hours

Department of Geography
Sammilani Mahavidyalaya

DEPARTMENT OF GEOGRAPHY

CERTIFICATE COURSE

Course Plan

COURSE TITLE: Computer Applications in Geographical Studies

ORGANIZING DEPARTMENT: Department of Geography

COURSE DURATION: 31 Hours

OFFERED TO: Students of 1st and 3rd semester of the Department of Geography

SESSION: 2021-2022

MODE: Offline

COURSE OVERVIEW:

Geographers have to deal with a large number of spatial data, analyze the same, interpret the results and represent the findings either in words or with the help of suitable diagrams. So, basic knowledge on computer application is very much essential for aspirant Geographers, as such knowledge enables them to access the data sources more easily, handle large data set more efficiently and analyze the data at a faster rate. Keeping this in mind, the present Certificate course, on 'Computer Application in Geographical Study', has been planned for the 1st and 3rd semester students of the Department of Geography. The course has been designed in such a manner that after successful completion of the course the students will be well versed with the techniques and tools of basic computer application and will be able to apply such techniques in facilitating geographical knowledge.

OBJECTIVES:

The course is outlined to fulfill the following objectives –

- To familiarize the students with computer.
- To enable them to access online data sources and use web based search engines.
- To enhance their skill of data management, analysis and representation.
- To make them well versed with online document writing and editing.
- To enable them to design presentation and slide show.

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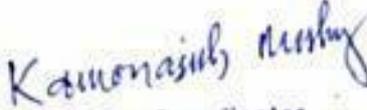
Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

COURSE OUTCOME:

On completion of the course, a student will be able to –

- Manage and analyze data, using statistical formula and functions, with the help of MS Excel.
- Write documents and write ups using MS Word.
- Conduct online survey using Google form, Google sheet etc.
- Extract information from Google map and Google earth.
- Get a job in the IT sector.

In a nutshell, this Certificate course will provide the students of Geography with additional skills and knowledge that are relevant to their field of study and will also enhance their employability.

COURSE FEE: Nil

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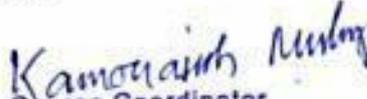
Course Coordinator
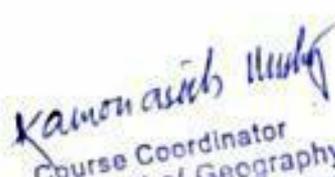Department of Geography
Sammilani Mahavidyalaya

COURSE CURRICULUM

(Duration :31 hours)

UNIT	TOPIC	SUB-TOPIC	HOURS	
			Theoretical	Practical
1	Basics of Computer System	1.1 – Basics of computer hardware and software	02	-
2	Report Writing Using MS Word	2.1 – Introduction to MS Word 2.2 – Creating, editing, saving and printing text documents 2.3 – Layout of MS Word 2.4 – Page set-up and designing the page 2.5 – Formatting texts in MS Word 2.6 – Inserting Table, Smart Art and Picture in MS Word 2.8 – Understanding Document Properties	03	03
3	Data Management & Analysis using MS Excel	3.2 – Introduction to MS Excel 3.2 - Creating Spread Sheets, Editing, Saving and Printing 3.3 – Data Entry, Management and Editing 3.4 - Data Analys, Data Menu, Subtotal and Filtering Data 3.6 – Working with formula and functions in MS Excel 3.7 – Modifying worksheets with colour and auto formats 3.8 – Formatting worksheets	03	03
4	Presenting Ideas Using MS Power Point	4.1 – Introduction to MS Power Point 4.2 – Opening, Viewing, Creating and Printing Slides 4.3 – Creating Professional Slides for Presentation 4.4 – Design and Layout of PPT Presentation in MS Power Point 4.5 – Graphically Representing Data 4.6 – Page set-up and layout – Adding custom animation, slide transitions 4.7 – Preparation the Presentation	04	03
5	Basics of Web Platform in Geographical Study	5.1 – Data Mining from Internet 5.2 – Searching the text in online platform 5.3 – Online Survey using Google Form analysis of the data 5.4 – Basics of Google Sheet, Google Docs and Google Slide 5.5 – Uses of Google Map, Google Earth	03	03
6		6.1 – Preparation of Report using MS Word 6.2 – Preparation of MS Power Point presentation 6.3 - Preparation of MS Excel Worksheet	-	04

N.B Certificate will be given after successful completion of the course

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Kolkata-700 094

Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

Certificate Course on

Computer Applications in Geographical Studies

Organised by the Department of Geography, Sammilani Mahavidyalaya

Provisional Routine

Venue: Smart Class Room(Lab-3), Department of Geography

Date	Day	Time			
		12:00 pm to 01:00 pm	01:00 pm to 02:00 pm	02:00 pm to 03:00 pm	03:00 pm to 04:00 pm
01.11.2022	Tuesday	Inaugaration	Kamonasish Mistry	Arundhuti Mukherjee	Arundhuti Mukherjee
07.11.2022	Monday	Nayan Roy	Nayan Roy	Arundhuti Mukherjee	Arundhuti Mukherjee
08.11.2022	Tuesday		Achintya Pramanik	Nayan Roy	Nayan Roy
10.11.2022	Thursday		Kamonasish Mistry	Achintya Pramanik	Achintya Pramanik
11.11.2022	Friday		Achintya Pramanik	Nayan Roy	Nayan Roy
12.11.2022	Saturday		Nayan Roy	Kamonasish Mistry	Kamonasish Mistry
14.11.2022	Monday		Kamonasish Mistry	Soheli Ghosh	Soheli Ghosh
15.11.2022	Tuesday		Nayan Roy	Kamonasish Mistry	Kamonasish Mistry
21.11.2022	Monday		Achintya Pramanik	Arundhuti Mukherjee	Soheli Ghosh
22.11.2022	Tuesday		Kamonasish Mistry	Achintya Pramanik	Achintya Pramanik
25.11.2022	Friday		Valedictory Session	Certificate Distribution	

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Kamonasish mkf
Course Coordinator
Department of Geography
Sammilani Mahavidyalaya

ENVIRONMENTAL AWARENESS AND SUSTAINABLE DEVELOPMENT

DEPARTMENT OF MICROBIOLOGY

Duration: 30 Hours

Date of Commencement: 01.11.2022

Date of Completion: 28.11.2022

Number of Students Enrolled: 30

Number of Students Completed the Course: 29

Session: 2022-23

NOTICE

A Departmental meeting will be held on Friday, the 4th Of August 2023 at 3pm in the department of Microbiology to discuss the following agenda, as has been directed by the Principal, vide notification dated 02.08.2023. All departmental teachers and laboratory attendants are requested to attend the meeting.

1. Departmental Teaching plan for the academic session 2023-24
2. Summary of allotment of classes in the routine
3. Departmental Demand lists for procurement/servicing of furniture, equipment, ICT, stationary, etc. and renovation of the existing infrastructure
4. Possibility of MoU with name(s) of willing HEIs
5. Miscellaneous

S.Chakraborty

Head

Dept. of Micro Biology

Sammilani Mahavidyalaya

Baghajatin Stn./E.M. By Pass

Kolkata-700075

(Dr. Sharmila Chakraborty)

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Principal

Sammilani Mahavidyalaya

E.M.Bypass, Baghajatin

Kolkata - 700 094

Date of meeting
= 04/08/2023
Venue - MCBA Lab1

Members Present

1. Sharmila Chakraborty
2. Pamela Dutta Roy
3. Madhusrita Saha
4. Shyamal Kaira
5. Paritosh Paik.
6. Tarun Singh.

1. A meeting was held today at 3 pm in Laboratory 1
of the department of Microbiology to discuss the
given agenda.

    Departmental teaching plan for the academic
session 2023-24 of Semester I, III and V has
been prepared and the details are given below.
However if needed certain changes can be always
made about the topics covered by teachers as
and when required

Name of teacher	Semester	Papers + Units
1. Sharmila Chakraborty	I	CC101- U2, U3; SEC101-U6, IDC
	III	-CC5 U3, CC7-U1,3,6; SEC11-U1,
	V	-CC11 U4, U7; CC12-DSEA1-U2, U7 DSE B3.
2. Pamela Dutta Roy	I	CC101-U2; SEC101-U8, U7, IDC
	III	- CC5 U1; CC6-U3 U4; CC6 U4; SEC11 U4
	IV	- CC11-U3, U6; CC12-U6. DSE-U3, U6 DSE B3- A1

3. Anjana Chakrabarti   I - CC101-U1,U2 SEC101-U2, IDC
                                III - CC5-U4,6; CC6-U6 CC3-U2,5; SEC A1 U3
                                V - CC11-U2; CC12,U4, DSEA1-U4,5
                                    DSEB3 2,3,4.

4. Madhuwrita Saha   I SEC 101-U3,4,5, IDC
                              III CC5 U2,5; CC6-U1,2,5; SEC A1 U2
                                V CC11-U1,5 ; CC12, U1,2,3;
                                DSEA1, U1   DSEB3-1,5,6.

2. Provisional routine of the department for the Academic year 2023-'24 has been prepared in accordance with the master routine of Science faculty. Accordingly a work load has also been prepared for the various teachers of the department. The provisional routine and the work load has been submitted to the office as per instructions.

3. Departmental Demand List has been prepared and submitted to the office. However procurement of consumables under 'Contingency' head, includes Chemicals and other materials needed for running of practical classes has not been included in the list?

4. The department has a MOU with Raidighi college its department of Microbiology, and several practical classes are conducted together. The two departments have also organised several webinars together. However the possibility of MOU with other colleges needs further discussion.

5. It was decided unanimously that an Add-on course will be implemented in the department, the planning of which shall be shared soon.

S Chakraborty
1/8/23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

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Ref.No....................................

Date ....13|9|22....

<u>NOTICE</u>

This is to notify the 3rd and 5th Semester students of the Department of Microbiology that an Add-on course on **Environmental awareness and sustainable development** will be organized in the department . The details of the program are displayed in the Poster on the departmental notice board. All students of both the semesters are hereby directed to enroll for the course and give their names to Smt. Aryoma Chakrabarti latest by 30th September 2022.

SChakrabarty

(Dr. Sharmila Chakraborty)
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700094

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Kolkata - 700 094

Pamela Dutta Roy (Dutta Roy)

(Ms. Pamela Dutta Roy)

DEPARTMENT OF MICROBIOLOGY
SAMMILANI MAHAVIDYALAYA

COURSE ON

ENVIRONMENTAL AWARENESS AND SUSTAINABLE DEVELOPMENT

ENVIRONMENTAL EDUCATION IS AN INTERDISCIPLINARY FIELD TO PROMOTE AWARENESS, KNOWLEDGE, AND UNDERSTANDING OF THE ENVIRONMENT AND ITS APPLICATION FOR THE SUSTENANCE OF THE SOCIETY. IT EMPHASIZES THE IMPORTANCE OF SUSTAINABLE PRACTICES, THE CONSERVATION OF NATURAL RESOURCES, AND THE PROTECTION OF ECOSYSTEMS. ENVIRONMENTAL EDUCATION AIMS TO INCULCATE A SENSE OF RESPONSIBILITY AND INSPIRE INDIVIDUALS TO BECOME MORE RESPONSIBLE FOR PROTECTION OF NATURAL RESOURCES AND ENVIRONMENT FOR A MORE SUSTAINABLE FUTURE.

WITH A VIEW OF INTEGRATING ENVIRONMENTAL AWARENESS AND SUSTAINABILITY IN A HOLISTIC APPROACH THE DEPARTMENT OF MICROBIOLOGY HAS ARRANGED AN ADD-ON COURSE ON ENVIRONMENTAL AWARENESS AND SUSTAINABLE DEVELOPMENT TO ACQUIRE AN AWARENESS AND SENSITIVITY TO THE TOTAL ENVIRONMENT. THIS COURSE WILL GUIDE THE STUDENTS TO EVALUATE ENVIRONMENTAL PARAMETERS AND EDUCATION PROGRAMMES IN TERMS OF SOCIAL, ECONOMIC, ECOLOGICAL AND AESTHETIC FACTORS. THIS COURSE WILL ALSO ENCOURAGE THEM TO BE ACTIVELY INVOLVED AT ALL LEVELS IN WORKING TOWARD ENVIRONMENTAL PROTECTION AND PRESERVATION. . ENVIRONMENT IS THE KEY FACTOR OF OUR WELL BEING WHETHER IT IS HEALTH OR MENTAL SO THIS COURSE AIMS TO INBUILT A SET OF VALUES AND FEELINGS OF CONCERN FOR THE MOTHER NATURE.

Resource Persons:
Dr. Sharmila Chakraborty
Smt. Pamela DuttaRoy
Smt. Aryoma Chakrabarti)
Smt. Madhuwrita Saha

Course Coordinator:
Dr. Sharmila Chakraborty
Asociate Professor
Department of Microbiolog
Sammilani Mahvidyalaya

Mode of Teaching: Both Online and Offline

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

COURSE DURATION : 30 HOURS

ELIGIBLITY OF PARTICIPITANTS
ONLY BONAFIDE AND REGULAR STUDENTS OF THE DEPARTMENT

FEES STRUCTURE
FREE OF COST

DATE OF COMMENCEMENT: 1ST NOVEMBER 2022

DEPARTMENT OF MICROBIOLOGY

ENVIRONMENTAL AWARENESS AND SUSTAINABLE DEVELOPMENT

Environmental education is an interdisciplinary field to promote awareness, knowledge, and understanding of the environment and its application for the sustenance of the society. It emphasizes the importance of sustainable practices, the conservation of natural resources, and the protection of ecosystems. Environmental education aims to inculcate a sense of responsibility and inspire individuals to become more responsible for protection of natural resources and environment for a more sustainable future.

With a view of integrating environmental awareness and sustainability in a holistic approach the Department of Microbiology has arranged an Add-on course on **Environmental awareness and sustainable development** to acquire an awareness and sensitivity to the total environment. This course will guide the students to evaluate environmental parameters and education programmes in terms of social, economic, ecological and aesthetic factors. This course will also encourage them to be actively involved at all levels in working toward environmental protection and preservation. , Environment is the key factor of our well being whether it is health or mental so this course aims to inbuilt a set of values and feelings of concern for the mother nature.

Syllabus for the course

Unit	Topic
1	**Introduction to environmental studies:** Multidisciplinary nature of environmental studies, Scope and importance, concept of sustainable development **Ecosystems:** Definition, structure and function of ecosystem, energy flow in an ecosystem, food chain, food web and ecological succession, Different ecosystems
2	**Natural Resources: renewable and non- renewable** Land resources, land degradation, soil erosion and desertification, deforestation causes and impacts, use and overexploitation of surface and ground water, growing energy needs, renewable over nonrenewable energy source
3	**Biodiversity and conservation: levels of biological diversity,** genetic, species and ecosystem diversity, Biogeography zones of India, biodiversity pattern, biodiversity hot spots, habitat loss, poaching of wildlife, man- wildlife conflicts, conservation of biodiversity
4	**Environmental Pollution:** types, causes, effects, controls, nuclear hazards and human health risk, solid waste management, climate change, global warming, ozone layer depletion, acid rain and its impact **Environmental Laws:** Environmental Protection Act; Air (Prevention and

		control), Water (Prevention and control) , wildlife protection act, forest conservation act, International Agreements: Montreal and Kyoto protocol, The Chemical Weapon Convention(CWC)
5		**Human population and growth :** impacts on environment, human health and welfare, carbon foot print **Disaster Management:** floods, earthquakes, cyclones and landslides Different environmental movements **Environmental ethics:** Role of Indian and other religions and cultures in environmental conservation

Course Outcome

After the completion of this course students will be able to

- understand the concept of environment and the associated terminologies.
- understand and analyze the impact of 'environmental degradation' and 'resource depletion'
- understand the nature of environmental challenges and ways to combat these issues.
- relate environmental issues to the larger context of sustainable development.

Course Duration : 30 Hours

Eligiblity of Participitants: Only bonafide and regular students of the college, who are enrolled for Graduation in Microbiology are eligible

Fees Structure: The course will be free of cost.

Evaluation: A Grand Viva will be conducted on the completion of the course.

Certificate: Certificate will be distributed after successful completion of the course.
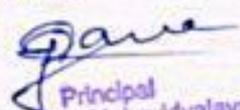
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LESSON PLAN

Unit	Topic	Name of Faculty	No. of hours
1	**Introduction to environmental studies:** Multidisciplinary nature of environmental studies, Scope and importance, concept of sustainable development	PD	3
	Ecosystems: Definition, structure and function of ecosystem, energy flow in an ecosystem, food chain, food web and ecological succession, Different ecosystems	SC(Online)	3
2	**Natural Resources: renewable and non- renewable** Land resources, land degradation, soil erosion and desertification, deforestation causes and impacts.	AC	3
	Use and overexploitation of surface and ground water, growing energy needs, renewable over nonrenewable energy source	MS	3
3	**Biodiversity and conservation: levels of biological diversity,** genetic, species and ecosystem diversity, Biogeography zones of India,	PD(Online)	3
	Biodiversity pattern, biodiversity hot spots, habitat loss, poaching of wildlife, man- wildlife conflicts, conservation of biodiversity	AC	3
4	**.Environmental Pollution:** types, causes, effects, controls, nuclear hazards and human health risk, solid waste management, climate change, global warming, ozone layer depletion, acid rain and its impact **Environmental Laws:** Environmental Protection Act; Air (Prevention and control), Water (Prevention and control) , wildlife protection act, forest conservation act, International Agreements: Montreal and Kyoto protocol, The	MS(Online)	3
		PD	3

	Chemical Weapon Convention(CWC)		
5	**Human population and growth :** impacts on environment, human health and welfare, carbon foot print	SC(Online)	3
	Disaster Management: floods, earthquakes, cyclones and landslides Different environmental movements	AC(Online)	2
	Environmental ethics: Role of Indian and other religions and cultures in environmental conservation	MS	1

Resource Persons:

Dr. Sharmila Chakraborty (SC)

Smt. Pamela DuttaRoy (PD)

Smt. Aryoma Chakrabarti (AC)

Smt. Madhuwrita Saha (MS)

Course Coordinator:

Dr. Sharmila Chakraborty, Asociate Professor Department of Microbiology

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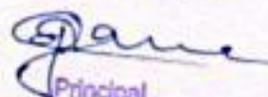
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Class Schedule of Add-on Course

Total number of classes: 30

SC: 06

PD: 09

AC: 08

MS: 07

Name of the Teacher	Date And Time of Class
Sharmila Chakraborty (SC)	2/11/2022 Online 12pm-2pm 9/11/2022 Online 11am-12pm 10/11/2022 Online 12pm-1pm 16/11/2022 Online 12pm-1pm 18/11/2022 Online 2pm-3pm
Pamela DuttaRoy (PD)	4/11/2022 Offline 1pm-2pm 5/11/2022 Offline 12pm-1pm 10/11/2022 Online 2pm-3pm 11/11/2022 Offline 12-1pm 12/11/2022 Online11am-12pm 21/11/2022 Online 12pm-2pm 22/11/2022 Offline 12pm-1pm 25/11/2022 Offline 2pm-3pm
Aryoma Chakrabarti (AC)	1/11/2022 Online 11am-12pm 5/11/2022 Offline 12pm-1pm 9/11/2022 Online 2pm-3pm 11/11/2022 Online10am-11am 16/11/2022 Offline 2pm-3pm 17/11/2022 Offline12pm-1pm 18/11/2022 Online11am-12pm 23/11/2022 Offline12pm-1pm
Madhuwrita Saha (MS)	1/11/2022 Online 12pm-1pm 11/11/2022 Offline 2pm-3pm 12/11/2022 Online 1pm-2pm 17/11/2022 Offline 2pm-3pm 19/11/2022 Online 12pm-1pm 24/11/2022 Offline 12pm-1pm 28/11/2022 Offline 12pm-1pm

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

BASIC SAFETY PRACTICES IN CHEMISTRY LABORATORY

DEPARTMENT OF CHEMISTRY

Duration: 30 Hours

Date of Commencement: 04.11.2022

Date of Completion: 12.03.2023

Number of Students Enrolled: 14

Number of Students Completed the Course: 14

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)
[AFFILIATED TO CALCUTTA UNIVERSITY]
E.M. BYPASS, BAGHAJATIN
KOLKATA - 700 094

Phone : 2462-6869
E-mail :
principal.sammilani@gmail.com
Info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref. No.............................

Date 28.09.22.

NOTICE

It is our immense pleasure that the Department of Chemistry is going to organize a certificate course on **Basic safety practices in Chemistry Laboratory** which will be started on 4th November, 2022 and will be completed within April 2023. This course will be offered to 3rd Semester Honours and General students. Duration of this course will be 30 hours. Students are earnestly requested to attend this course.

Wish a grand success of this course.

Sincerely yours.

Shefali Pal

HEAD
DEPT OF CHEMISTRY
Sammilani Mahavidyalaya
E.M. By Pass, Baghajatin
Kolkata-700054
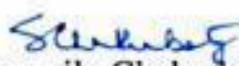
Dr. Sharmila Chakraborty (TIC)

Teacher-in-Charge
Sammilani Mahavidyalaya
E. M. Bypass, Baghajatin
Kolkata-700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

BROCHURE

ADD ON COURSE (2022-2023)

Course Title

BASIC SAFETY PRACTICES IN CHEMISTRY LABORATORY

Organizing departments and resource persons

Department of Chemistry, Sammilani Mahavidyalaya and their respected teachers will conduct this course.

1. Dr. Shefali Pal (HOD)

2. Prof. Sumit Pal

3. Dr. Krishnendu Aich

4. Dr. Durba Ganguly

5. Dr. Senjuti Banik

6. Prof. Sandipan Mallik

Course duration and offered to

This course will be started on 4th November, 2022 to 12th April 2023 and offered to 3rd sem honours and general students. Duration of this course will be 30 hours.

Course fee

This course is totally free for the students.

Mode

This course will fully conduct through offline mode.

Course overview

Working in a laboratory, you can get exposed to a variety of hazards, making it a potentially dangerous environment. Because of this, it is essential to take proper precautions and implement safety guidelines and to ensure you are safe while working in the laboratory.

Regular laboratory safety training is essential to ensure the scientists in the iab are conversant with the safety guidelines and procedures and can implement them in their daily working.

This laboratory safety training course covers the fundamentals of laboratory safety and will help you ensure safety for you and your colleagues in the laboratory. The course is suitable for scientists working in pharmaceutical laboratories, food testing laboratories, chemical

laboratories, petrochemical laboratories and a variety of other laboratories where toxic chemicals or microbiological hazards are present.

Course objectives

The Science classroom laboratory with its equipment, glassware, and chemicals has the potential for accidents. In order to avoid dangerous accidents, or to minimize their damage, precautions must be taken by every student to ensure the safety of everyone working in the laboratory. So the main objectives of this course are:

• This course offered to learn safety rules for working with chemicals and participating in a safe manner when carrying out lab procedures.

• Students can complete the Safety and equipment quiz with teacher satisfaction.

• This helps the students to Handling Chemicals safely.

• Students Use chemicals only as directed and for their intended purpose.

• This course offered to the students to identify and understand the various functions of laboratory equipments.

• Students will learn which chemicals should be kept in Desicator, which chemicals should be kept in dark and which chemical should be kept under kerosene and why?

• Students will learn which chemicals are toxic and which one should be careful while working in the lab.

Course content

1. The safety Do's and Don'ts for students

2. Common Safety Symbols

3. Knowledge about common toxic chemicals and safety measures in their handling

4. General rules for handling chemicals

5. Cleaning and drying of glass wares

Course outcome

To minimize the risk of injury or illness to laboratory workers by ensuring that they have the training, information, support and equipment needed to work safely in the laboratory

COURSE CODE- PHS/1

BASICS ON PYTHON

DEPARTMENT OF PHYSICS

Duration: 30 Hours

Date of Commencement: 05.11.2022

Date of Completion: 19.12.2022

Number of Students Enrolled: 50

Number of Students Completed the Course: 32

Session: 2022-23

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

NOTICE

03.11.2022

It is hereby informed that an add-on course on **Basics of Python** for first and third semester

PHSG students will be started from 05/11/2022 to 19/12/2022; minimum 30 hours of classes

will be held in online / offline mode by the **Department of Physics**. All PHSG students of first

and third semester are asked to attend the classes. A Certificate will be provided by the institute

after successful completion of the course.

Ujjal Saren

[Head, Department of Physics]
HEAD
DEPT OF PHYSICS
Sammilani Mahavidyalaya
E.M. By Pass, Baghajatin
Kolkata-700094

S. Chakraborty

[Teacher – in – Charge]
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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E.M.Bypass, Baghajatin
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COURSEWORK
ON
PYTHON

Organized by:

Department of
Physics
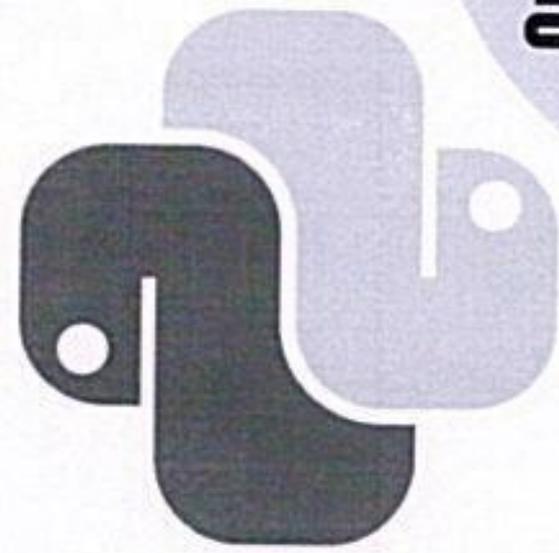
Outcomes:

- Knowledge about data analytics
- Machine language learning
- Data visualization
- Natural language processing

COURSE PLAN

- **Course Title :** Add-on course on Python
- **Course Overview:** It introduces the main idea of the course and describes the topics or concepts that the course covers.
- **Course objectives:** The course is designed to provide Basic knowledge of Python, Python programming is intended for software engineers, system analysts, program managers and support personnel wish to learn the python language.
- **Organising Department :** Physics
- **Name of the resource persons :** Ipsita Sen & Sayantani Kar
- **Course Duration :** 30 hours
- **Mode of teaching :** Online & offline
- **Course Content :** Theory Classes -18 hours
  - Introduction - 01hr
  - How to write a program – 2.5hrs
  - What can the possible syntax errors – 01hr
  - Simple programs on mathematical functions- 4.5hrs (more than 2 classes)
  - Programs on finding even, odd, prime numbrs etc. – 4hrs
  - Programs on array – 2hrs
  - How to introduce character in a program – 3hrs
    Practical Classes -12 hours
- **Course Outcome :** To build basic programs using fundamental programming constructs like variables, conditional logic, looping and functions.
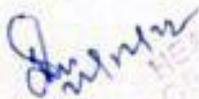
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Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

ENVIRONMENTAL HISTORY: AN ANALYSIS

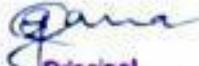## DEPARTMENT OF HISTORY

Duration: 30 Hours

Date of Commencement: 08.11.2022

Date of Completion: 28.12.2022

Number of Students Enrolled: 25

Number of Students Completed the Course: 11

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

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E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No.............................

Date 01 . 11 . 2022

NOTICE

This is to bring to the notice of the concerned students that Department of History is going to

offer an Certificate-on course for the students Semester V as resolved in the IQAC meeting.

The students are instructed to contact with the department for enrolment.

Topic: Environmental History: An Analysis
Starting date: 08.11.22
Duration: 30 hours

Course Coordinator: Prof. Banani Gangopadhyay

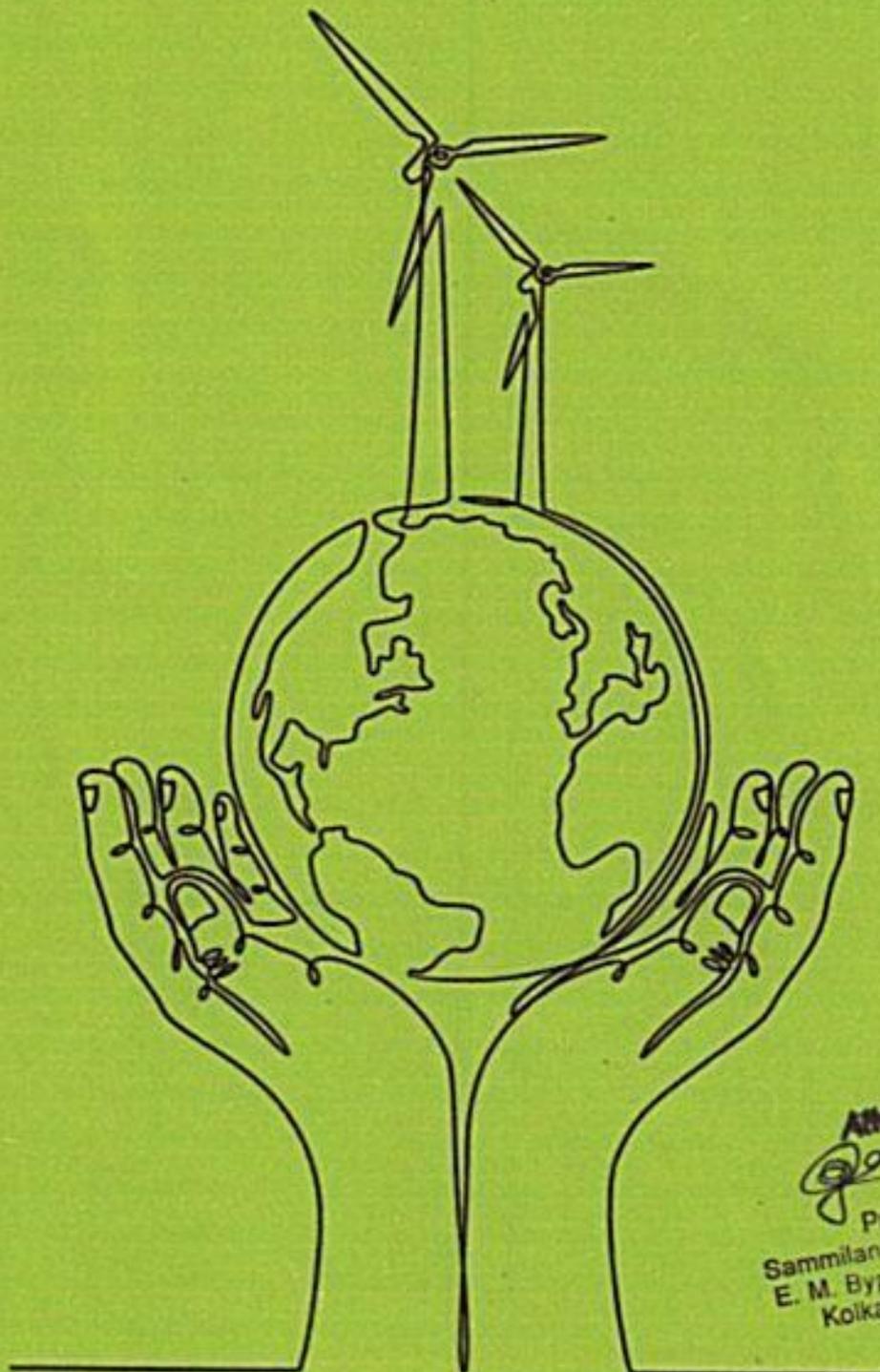Head, Dept. of History

Head, Department of History
Sammilani Mahavidyalaya

Teacher-in -Charge
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

ADD ON / CERTIFICATE COURSE
ON
ENVIRONMENTAL HISTORY : AN ANALYSIS

COURSE OVERVIEW :

Environmental History is an interdisciplinary study of the relation of culture , technology, nature. It deals with the history of human impacts on nature and the interactions between human and nature. Our general concept is that the natural environment comprises of landscape ,rivers , climate & weather , animals, plants etc. This was true in traditional society. But these natural factors are also important for industrial societies. We must understand how human has been affected by natural environment in the past and how they have affected that environment and with what results. Environmental history has emerged as a new field of study as environmental problems began to rise up as the global political agenda.

COURSE CONDUCTOR : Department of History, Sammilani Mahavidyalaya.
COURSE DESIGN : CERTIFICATE COURSE
COURSE DURATION : 30 Hrs.

OBJECTIVES:

To impart basic knowledge about the environment and its allied problems.
To create awareness about environmental problems among people.
To develop an attitude of concern for the environment.
To show how environmental change and human action are interconnected.

COURSE OUTCOME :

Students by participating in this course,
- Will gain knowledge on natural processes that sustain life and govern Economy.
- Will develop critical thinking for shaping scientific,social,economic, and legal strategies for environmental protection and conservation of bio- diversity, Social equity and sustainable development.
- Will acquire values and attitudes towards understanding complex environmental-economic-social challenges which will enable them to participate actively in solving current environmental problems and to prevent the future ones.
- Will adopt sustainability as a practice in life,society and industry.

BENEFITS :

- Environmental history broadens the subject matter of conventional history.
- Helps us to understand and explore the interconnected nature of services, the environment provides us such as agricultural production,water purification,timber & climate regulation ,spiritual & leisure activities.
- Promotes sustainable resource management and conservation in the Present and future.
- Increase awareness for wellbeing.
- Strengthen communities.

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Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Banani Gangopadhyay
Head, Department of History
Sammilani Mahavidyalaya

ADD ON / CERTIFICATE COURSE

ON

ENVIRONMENTAL HISTORY : AN ANALYSIS

COURSE OVERVIEW :

Environmental History is an interdisciplinary study of the relation of culture , technology, nature. It deals with the history of human impacts on nature and the interactions between human and nature. Our general concept is that the natural environment comprises of landscape ,rivers , climate & weather , animals, plants etc. This was true in traditional society. But these natural factors are also important for industrial societies. We must understand how human has been affected by natural environment in the past and how they have affected that environment and with what results. Environmental history has emerged as a new field of study as environmental problems began to rise up as the global political agenda.

COURSE DESIGN   :   CERTIFICATE COURSE

COURSE DURATION :   30 Hrs.

ORGANIZING DEPARTMENT : Department of History,Sammilani Mahavidyalaya.

RESOURCE PERSONS : 1. Banani Gangopadhyay

                    2. Kasturi Kar

                    3. Rudranil Bhattacharjee

                    4. Anasua Mondal Banerjee

                    5. Agnishwar Chakraborty

Banani Gangopadhyay
Head, Department of History
Sammilani Mahavidyalaya

MODE OF TEACHING : Offline , Theoretical

COURSE FEE : Nil

OBJECTIVES :

1. To impart basic knowledge about the environment and its allied problems.
2. To create awareness about environmental problems among people.
3. To develop an attitude of concern for the environment.
4. To show how environmental change and human action are interconnected.

COURSE OUTCOME :

Students by participating in this course

will gain knowledge on natural processes that sustain life and govern

Economy.

will develop critical thinking for shaping scientific,social,economic, and legal

Strategies for environmental protection and conservation of bio- diversity,

Social equity and sustainable development.

will acquire values and attitudes towards understanding complex environm-

ental-economic-social challenges which will enable them to participate

Actively in solving current environmental problems and to prevent the fut-

ure ones.

will adopt sustainability as a practice in life,society and industry.

COURSE BENEFITS :

Environmental history broadens the subject matter of conventional history.
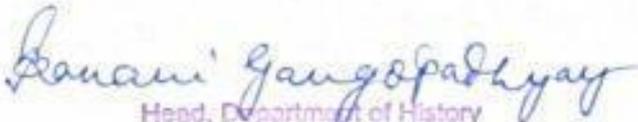
Banani Gangopadhyay

Head, Department of History
Sammilani Mahavidyalaya

\# Helps us to understand and explore the interconnected nature of services the environment provides us such as agricultural production,water purification,timber & climate regulation ,spiritual & leisure activities.

\# Promotes sustainable resource management and conservation in the Present and future.

\# Increase awareness for wellbeing.

\# Strengthen communities.

CURRICULUM :

1.Nature itself and its changes over time,includes the physical impact of human on the Earth's land,water atmosphere and biosphere.

2.How human use nature includes the environmental consequences of Increasing population, more effective technology and changing pattern of production and consumption.

3.The transition from nomadic hunter-gatherer communities to settled agriculture in the Neolithic Revolution.

4.The effects of colonial expansion and settlements.

5. The environment and human consequences of the industrial technological Revolutions.

6.The interaction of nature with attitudes,beliefs,values specially in the form of myths,religion and science.

7. Role of some movements to preserve environmental sustainability like Chipko Movement, Appiko Movement,Bishnoi Movement, Narmada bachao Movement,Jungle bachao Movement.

Banani Gangopadhyay

Head, Department of History
Sammilani Mahavidyalaya

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

CURRICULUM OF THE ADD ON / CERTIFICATE COURSE ON ENVIRONMENTAL

HISTORY : AN ANALYSIS

1 Nature itself and its changes over time,includes the physical impact of human

On the Earth's land,water atmosphere and biosphere.

2. How human use nature includes the environmental consequences of increase-

ing population ,more effective technology and changing pattern of producti-

on and consumption.

3. The transition from nomadic hunter-gatherer communities to settled agricul-

ture in the Neolithic revolution.

4. The effects of colonial expansion and settlements .

5. The environment and human consequences of the industrial and technol-

ogical revolutions.

6. The interaction of nature with attitudes,beliefs, values specially in the form

of myths,religion and science.

7. Role of some movements to preserve environmental sustainability like

Chipko Movement , Appiko Movement, Bishnoi Movement, Narmada Bach-

ao Movement , Jungle Bachao Movement.

Pranab Gangopadhyay

Head, Department of History
Sammilani Mahavidyalaya

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

COURSE ON FUNCTIONAL SANSKRIT

DEPARTMENT OF SANSKRIT

Duration: 30 Hours

Date of Commencement: 14.11.2022

Date of Completion: 30.12.2022

Number of Students Enrolled: 21

Number of Students Completed the Course: 21

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

[AFFILIATED TO CALCUTTA UNIVERSITY]
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Phone : 2462-6869
E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No..............................

Date ...4/11/22

<u>NOTICE</u>

After being successfully completed a 30 hours Certificate course on Functional
Sanskrit language (from 14th November, 2022 to 30th November, 2022), students
those who were attainted on this course are requested to collect their certificates on
07/12/2022 (Wednesday) from their respected teachers.

Sincerely yours

Dr. Sharmila Chakraborty (TIC)

Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin
Kolkata-700094

Head
Department of Sanskrit
Sammilani Mahavidyalaya
Baghajatin, Kol - 94

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

BROCHURE

ADD-ON COURSE (2022-23)

CERTIFICATE COURSE ON FUNTIONAL SANSKRIT LANGUAGE

Course Title

Functional Sanskrit language

Organizing Department & Resource persons

Department of Sanskrit, Sammilani Mahavidyalaya and their respected teachers will conduct this course.

1. Dr. Partha Sarathi Bhattacharya (HOD)
2. Dr. Sudeshna Basu
3. Rajeswar Sardar

Course duration and offered to

This course will be started on 14th November, 2022 to 30th November, 2022 and offered to 3th and 5th Semester students. Duration of this course will be 30 hours.

Course fee

This course is totally free for the students.

Mode

This course will fully conduct through offline mode.

Course Overview

Illustrious Sir William Jones once said "The Sanskrit language, whatever be its antiquity, is of a wonderful structure; more perfect than the Greek, more copious then the Latin and more exquisitely refined than either..." Sanskrit is one of the age-old indigenous languages and has inglorious past and also been deeply rooted in our literature, culture and society. Language is nothing but a skill of communication. If we do not able to communicate, a vast domain of indigenous knowledge system (IKS) will became very tough to understand. Being kept in mind Department of Sanskrit has organized a 30 hours Vocational/Spoken Sanskrit course which will introduce to our students why we
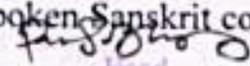
should learn Sanskrit Language? This course will also helpful for them to overcome the obstacles to speak a third language.

Course objectives

- To make student able to speak communicative Sanskrit fluently
- To make them able to translate form different language to Sanskrit
- To provide them present situation about Sanskrit studies across the world
- To encourage them for higher studies
- To open up various fields regarding Sanskrit studies

Course Content

It comprises...

1. Fundamental knowledge of Sanskrit grammar (like conjugation, declension, case-ending, prefix, suffix, voice change and so on),
2. Proper accentuation (how to pronounce perfectly),
3. Mode of translationlike comprehension, paragraph writing, letter writing (writing letter in Sanskrit),
4. Basic vocabulary (like *Amarakoṣa*)

Course outcome

- Ability to communicate in Sanskrit fluently
- Ability to overcome anew language learning and difficulties
- Ability to reciprocate with bigger world
- Ability to update oneself with larger outlook
- Ability to think wider and assimilate other knowledge

Course benefits

- Fluency in Spoken Sanskrit
- Personality grooming
- To make Sanskrit more easy for those who don't have any knowledge
- It will be benefited for those students who has IDC in Sanskrit
- It will help them to communicate in larger academic filed in future
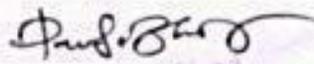
COURSE CODE- WMC/1

SELF DEFENSE TRAINING COURSE

WOMEN'S CELL

Duration: 30 Hours

Date of Commencement: 17.11.2022

Date of Completion: 27.11.2022

Number of Students Enrolled: 17

Number of Students Completed the Course: 17

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

[AFFILIATED TO CALCUTTA UNIVERSITY]
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E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No..........................

Date ....7. 11. 22.

NOTICE

It is hereby notified to all the students who have been enrolled in Self Defence Certificate Course organised by Women's Cell that the training programme will start on and from 17th of November 2022 at 2PM at courtyard of our College.

You are asked to be present there.

Convener

Women's Cell

: Convenor
Women Cell
Sammilani Mahavidyalaya

TIC

Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094.

Self Defence Training Programme

Self defence can be termed as an act by any individual or groups involving reasonable force to defend one's self.

Objectives:

The Self Defence Training Programme for college girls was implemented by the Women's Cell of Sammilani Mahavidyalaya, as part of the Silver Jubilee celebrations of the college. The objectives of the program were as follows.

To make them able to defend against unexpected physical assault.

To build up self confidence and physical prowess.

To enable girl students combat different types of violent situations arising against them.

To provide insights about the different types of self protection and to be aware of unruly situations.

To provide demonstration on different Self Defence techniques.

Overview:

Enhancement of self confidence among girls is a bare necessity to enable them to be strong both physically and mentally to tackle any untoward situation they come across in their day to day life. On 17th November to Nov 27, 2022 a 10 days training programme was organised by the Women's Cell under the guidance of trainer Shian Jhuma Das who was invited to train all the girl students about various self defence techniques. The students attended the program with great enthusiasm. The main purpose of the program

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Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

onor
Women Cell
Mahavidyalay

was to make all aware of their inherent power to fight against any kind of attack. Now a days many roadside attacks are witnessed like chain snatching, eve teasing, rape, molestation etc. To keep oneself safe from such attacks self defence techniques are very important. Many defence techniques were demonstrated by the trainer and many students also participated in it.

Outcomes of the Programme:

After completion of the training programme the following outcomes was observed.
The confidence level of girl students increased.
The participants were emotionally mentally and physically prepared to deal with any attack or untoward incident.
In some cases to defend and raise an alarm.
They were made aware on escaping techniques against different hold and chokes.
They were made aware on ground fighting techniques and use it as per their need.

Benefits:

One of the major impacts of this activity was instilling a sense of fearlessness and enhancing mental and physical strength among the girls. The participants felt more confident and secured after learning techniques to defend themselves in times of crisis. This training enhanced the physical strength of the girls and a very positive trend in terms of interest was witnessed in college when this programme was being imparted.

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Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Convenor
Women Cell
Sammilani Mahavidyalaya

CERTIFICATE COURSE ON VALUE EDUCATION (SPECIAL REFERENCE TO *SRIMAD BHAGABAD GITA*)

DEPARTMENT OF PHILOSOPHY

Duration: 35 Hours

Date of Commencement: 15.12.2022

Date of Completion: 30.01.2023

Number of Students Enrolled: 13

Number of Students Completed the Course: 13

Session: 2022-23

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Sammilani Mahavidyalaya

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principal.sammilani@gmail.com
Info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref. No...............................

Date 8|12|22

NOTICE

This is to bring to the notice of concerned students that Department of Philosophy is going to

offer certificate /Add-on course for the benefits and utility of the students as resolved in the

IQAC meeting. This course will be guided by our collaborative college Vivekananda Centenary

College, Rahara. Students are directed to contact with the department for enrolment. The details

of the courses are given below:

COURSE NAME	COURSE OFFERED TO	DURATION OF THE COURSE	STARTING DATE	TEACHER/S ASSIGNED
Certificate course on value-education (special reference to Srimad Bhagavad Gita)	Semester I	35 hours (Total)	15/12/2022(tentative)	1. Smt.Shibani Bhattacharya 2. Sri Ranjit Shaw

Ranjit Shaw

Head, Department of Philosophy
Sammilani Mahavidyalaya
Baghajatin, Kolkata-700 094

Teacher-In-charge 8-12-2022
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

CERTIFICATE COURSE ON VALUE EDUCATION (SPECIAL REFERENCE TO SRIMAD BHAGAVAD GITA)

Course objective:

➤ to help students develop a sense of morality.

➤ To promote humane qualities like honesty, integrity, empathy.

➤ To help student grow sense of belonging, compassionate attitude and we-feeling.

➤ To help them build strong but polite character, personality development.

Course curriculum design:

Stage1- Definition of value education and its necessity in modern times. (6 lectures/ 6 hours.)

Stage 2- ideas of moral values (both Indian and Western) 8 lectures/ 8 hours

Stage 3- Special reference from 2nd chapter (Atma tattva) of Srimad Bhagabad Gita. (10 lectures/ 10 hours.)

Stage 4- Ancient Moral storytelling and Biography of Great men. (8 lectures/8 hours)

Stage 5- Assignment and Evaluation. (3 hours)

Course duration: at least 35 hours (tentatively)

Course instructor: Department of Philosophy, Sammilani Mahavidyalaya

Resource Persons: 1. Smt. Shibani Bhattacharya

2. Sri Ranjit Shaw

Course outcome:

➤ To help students learning a soft skill.

➤ To cultivate among them important values and virtues like kindness, compassion, sympathy.

empathy etc.

➤ To enhance the decision-making capacity.

➤ To develop among them other -related interests and helping attitude.

Course benefits:

➤ It focuses on the holistic character building of future citizens.

➤ It educates students with a life-enhancing understanding from moral point of view.

➤ It helps students to some extent know how to shape their future.

➤ It also teaches how to behave and react in future work place.

➤ It makes them understand the mutual relations among friends, seniors, and elders.

LAWS OF GENDER VIOLENCE IN INDIA

DEPARTMENT OF POLITICAL SCIENCE

Duration: 30 Hours

Date of Commencement: 22.02.2023

Date of Completion: 06.06.2023

Number of Students Enrolled: 28

Number of Students Completed the Course: 28

Session: 2022-23

Sammilani Mahavidyalaya

(NAAC ACCREDITED B++)

[AFFILIATED TO CALCUTTA UNIVERSITY]
E. M. BYPASS, BAGHAJATIN,
KOLKATA - 700 094

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E-mail :
principal.sammalani@gmail.com
info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No...........................

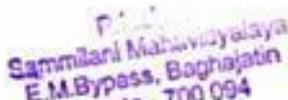Date ...17 . 02 . 23

NOTICE

The Department of Political Science will be introducing an Add-On Course on 'Laws on Gender Violence in India'. The duration of the course is 30 hours. Interested students can enrol their names with Smt. Lupsy Mohanty Roy on or before 22nd February, 2023. The course commences from 22nd February, 2023.

Schukilsor 19/8/22

PRINCIPAL/TIC
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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Principal
Sammilani Mah
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Sammilani Mahavidyalaya

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principal.sammalani@gmail.com
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Website :
www.sammilanimahavidyalaya.org

Ref.No............................

Date ....

ADD ON COURSE DETAILS

DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science is providing Add on Course on the relevant topics stated below so that students can get additional knowledge on related topics apart from basic curriculum provided by the University of Calcutta under CBCS UG Course.

The List of Add on Course with necessary details is provided below:

SL.NO	COURSE TITLE	YEAR	DURATION	ELIGIBILITY	MINIMUM INTAKE	ENROLLED
1	USAGE OF INTERNET	2022-23 (Sem I) Admitted in July 2022	30 hours (1Semester)	10+2	20	22
2	POLITICAL REPRESENTATION AND WOMEN RIGHTS	2022-23 (Sem III) Admitted in July 2021	30 hours (1Semester)	10+2	20	43
3	LAWS ON GENDER VIOLENCE IN INDIA	2022-23 (Sem VI) Admitted in July 2020	30 hours (1Semester)	10+2	20	28

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Sammilani Mahavidyalaya

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Kolkata - 700 094

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Name of the Resource Persons: Lupsy Mohanty Roy, Rahul Sengupta, Sukanya Mukherjee and Debdutta Chakraborty

Course Duration: 22nd Feb—6th June 2023

Mode of Teaching: Blended Mode

Course Content: 28 hours for theoretical classes, 1hr for assignment and 1hr for Assessment or Evaluation on the Course.

LAWS ON GENDER VIOLENCE IN INDIA

Objectives of the course:
1. To understand Gender Based Violence (GBV)
2. Basic information about the present status of women
3. Youth can be sensitized about plight of women
4. To comprehend laws related to GBV in India

Opportunities:
As the youth is our future at least they will act as catalyst and bring about change in policy making and implementation, become a part of Civil Society Organisations (CSO) working for Gender Parity.

Course Contents
1. Gender Discrimination, Gender Parity and Gender Based Violence
2. Information on Laws related to Gender Violence in India and intensity of GBV
3. Comparative Analysis with other South Asian Countries
4. Solution to identified problem through feasible steps

Reading List
Darbar Mahila Samanwaya Committee, Kolkata (2011) 'Why the so-called Immoral Traffic (Preventive) Act of India should be Repealed', in P. Kotiswaran, Sex Work, New Delhi, Women Unlimited, pp. 259-262

Justice Verma Committee Report, Available at http://nlrd.org/womens-rightsinitiative/justice-verma-committee-report-download-full-report, Accessed: 19.04.2013.

N. Menon,(2004)' Sexual Violence: Escaping the Body', in Recovering Subversion, New Delhi: Permanent Black, pp. 106-165

R. Ghadially, (2007) Urban Women in Contemporary India, Delhi: Sage Publications.

Saheli Women's Centre (2001) 'Reproductive Health and Women's Rights, Sex Selection and feminist response' in S Arya, N. Menon, J. Lokneeta (eds), Nariwadi Rajneeti, Delhi, pp. 284-305

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Principal
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Blended Mode Class Details with Resource Person
**22nd February to 6th June 2023**

ADD ON COURSE
Laws on Gender Violence in India
B.A Semester VI (Honours and General) 2023

Sl.No	Date	Mode of Class	Resource Person
1.	22nd February to 27th February 2023	Offline	Lupsy Mohanty Roy
2.	14th March to 30th March 2023		
3.	6th April 2023 to10th April 2023		
4.	17th April 2023	Online	
5.	19th April 2023		Sukanya Mukherjee
6.	20th April 2023		Debdutta Chakraborty
7.	20th April 2023		Lupsy Mohanty Roy
8.	21st April 2023	Offline	Rahul Sengupta
9.	21st April 2023		Lupsy Mohanty Roy
10.	24th March to 27th March 2023		----do----
11.	12th May 2023 to 29th May 2023	Offline	-----do----
12.	2nd June 2023 to 6th June 2023	Offline	------do----

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Kolkata - 700 094
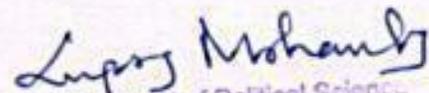
Head, Department of Political Science
Sammilani Mahavidyalaya

CEIT (COMMUNICATIVE ENGLISH AND IT) COURSE

CAREER GUIDANCE AND PLACEMENT SUB-COMMITTEE AND ANUDIP FOUNDATION

Duration: 75 Hours

Date of Commencement: 28.02.2023

Date of Completion: 31.03.2023

Number of Students Enrolled: 45

Number of Students Completed the Course: 45

Session: 2022-23

Ref.No.....................

Date 25/2/23

NOTICE

This is to bring to the information of final semester students that Career guidance and Placement sub-committee of Sammilani Mahavidyalaya in association with ANUDIP FOUNDATION is going to conduct a **Certificate Course in English & Communication & IT**. Further, the students will be awarded with the certificate after the completion of the course. All students of Semester VI are instructed to enroll themselves.

Sangita Roy Santra

Convenor,

Coordinator Committee
Career Guidance and Placement Cell
Sammilani Mahavidyalaya

Career Guidance & placement Sub Committee

Teacher-In-Charge

Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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Kolkata - 700 094

Hirak Mitra <hirakmitra.acutip>

to me, Sourik ▼

Respected Madam,

Greetings from Acutip Foundation!

I hope you are doing well. As discussed with my colleague Mr. Sourik Ghosh, herewith I am furnishing the details of the course named Certificate in English Communication & IT (CEIT). 100% Job support will be provided after completing this course.

Topics which we will cover in this course :

a) Workplace IT
b) Communicative English
c) Soft Skill
d) Logical Reasoning
e) Information & Media Literacy

Documents required from students to enrol in CEIT & CNAL course:

a) Aadhar Card
b) H.S Marksheet
c) One Passport size photograph

We are requesting your permission to organize a seminar in your college and our preferable students would be from final semester only.

Regards,
Hirak Mitra
Center Head | Training & Operations
Follow us: Website | Facebook | Instagram | YouTube | LinkedIn | Twitter | Spotify

Santosh Pufontor
Coordinator, Committee
Career Guidance and Placement Cell
Sammilani Mahavidyalaya

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Kolkata - 700 094

Course - Certificate in English & Communication & IT (CEIT) In association with ANUDIP FOUNDATION

1. Topics which we will cover in this course:

a) Workplace IT
b) Communicative English
c) Soft Skill
d) Logical Reasoning
e) Information & Media Literacy

2. Course Duration: **75 Hours**

3. Course Conductor: Sammilani Mahavidyalaya Career Guidance & placement Cell in association with ANUDIP FOUNDATION.

4. Course Benefit:
  ➤ Upgradation of Communication skill
  ➤ Making students job ready
  ➤ Upgradation of reasoning capacity
  ➤ Getting ready for workplace IT

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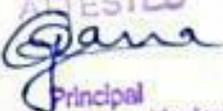
Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094
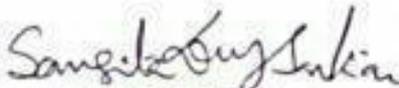
Coordinator Committee
Career Guidance and Placement Cell
Sammilani Mahavidyalaya

PROSPECTS OF TOURISM IN INDIA: SPECIAL REFERENCE TO BENGAL

DEPARTMENT OF HISTORY

Duration: 30 Hours

Date of Commencement: 01.03.2023

Date of Completion: 20.04.2023

Number of Students Enrolled: 50

Number of Students Completed the Course: 50

Session: 2022-23

Sammilani Mahavidyalaya

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info@sammilanimahavidyalaya.org
Website :
www.sammilanimahavidyalaya.org

Ref.No...........................

Date 20.02.23

NOTICE

This is to bring to the notice of the concerned students that Department of History is going to

offer Add on course for the students Semester II & IV as resolved in the IQAC meeting. The

students are instructed to contact with the department for enrolment.

Topic: Prospects of Tourism in India: Special reference to Bengal
Starting date: 01.03.23
Duration: 30 hours

Course Coordinator: Prof. Banani Gangopadhyay

Banani Gangopadhyay

Head, Dept. of History

S Chakrabarty
Teacher-in -Charge

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Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
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ADD ON COURSE
O N
PROSPECTS OF TOURISM IN INDIA: SPECIAL REFERENCE TO BENGAL
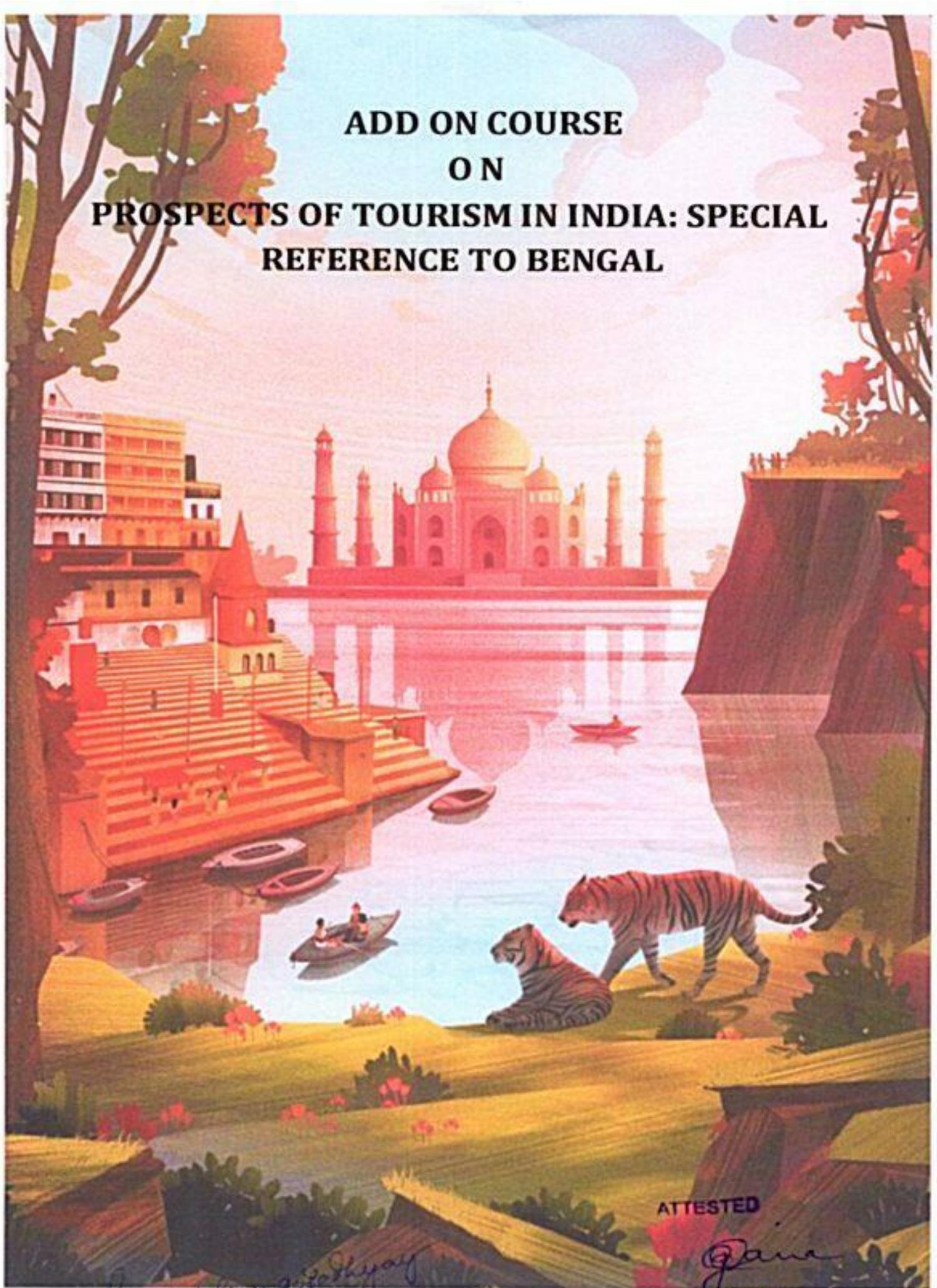
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Sammilani

Principal
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Kolkata - 700 094

COURSE OVERVIEW: Tourism in India is economically important and ever-growing. World Travel and Tourism Council calculated that Tourism supported 32.1 million jobs in the year 2021. Various States and Union Territories of India attract tourists from all over the world, mainly due to the cultural and geographical diversity. So the future of the Indian Tourism Industry appears promising. India ranks 6th according to WTTC in terms of Travel & Tourism total contribution to GDP IN 2022. Govt. of India has introduced some schemes to promote Tourism Industry. For e.g under Adarsh Smarak Scheme, ASI has identified 100 monuments that will be redeveloped and upgraded to Model Monuments. These monuments will have facilities such as Wi-Fi, security, signage, encroachment – free areas and interpretation centres among others. Swadesh Darshan Scheme envisioned to synergise with other Govt. schemes to drive growth in the tourism sector and help in the integrated development of theme-based tourist circuits in the country. The Prasad Scheme aims to achieve integrated development of pilgrimage and heritage destinations in a planned sustainable manner, in order to provide a wholesome religious and heritage tourism experience.

We, the Department of History, offer this course to our students with this view that after graduation there will be more avenues of earning other than teaching ,traditional office jobs. By addressing challenges, embracing innovations and nurturing responsible tourism practices, Our students will be able to unlock its full potential------------------- this is our dream.

COURSE DESIGN: CERTIFICATE COURSE

ORGANIZING DEPARTMENT: Department of History, Sammilani Mahavidyalaya

Resource Persons: 1. Banani Gangopadhyay
2. Kasturi Kar
3. Rudranil Bhattacharjee
4. Anasua Mondal Banerjee
5. Agnishwar Chakraborty

COURSE DURATION: 30 Hours
MODE OF TEACHING: Offline (Mainly Theoretical, one day for Practical)
COURSE FEE: Nil

Head, Department of History
Sammilani Mahavidyalaya

Banani Gangopadhyay

Principal
Sammilani Mahavidyalaya
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Kolkata - 700 094

COURSE OBJECTIVES:

*Employment Generation.
*Contribution to GDP growth.
*Poverty alleviation.
*Sustainable human development.
*Preservation of National Heritage and Environment.
*Source of Foreign Exchange.

COURSE OUTCOME:

*Students will be able to gain knowledge in the Travel agency business.
*Students will be able to contextualize tourism within broader cultural, environmental, Political and economic dimension of society.
*Students will plan,lead,organize and control resources for effective and efficient tourism operations.
*Students will be able to elaborate the concept of sustainable Tourism development.

COURSE BENEFITS:

*It creates jobs.
*Strengthens local economy.
*Contributes to local infrastructure development.
*Reduce poverty and inequality.
*It helps to conserve the natural environment and cultural assets.

Banani Gangopadhyay

Head, Department of History
Sammilani Mahavidyalaya

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E.M.Bypass, Baghajatin
Kolkata - 700 094

CURRICULUM OF THE ADD ON COURSE

PROSPECTS OF TOURISM IN INDIA-SPECIAL REFERENCE TO BENGAL

1. General Concept of Tourism
2. Geographical diversity
3. Cultural diversity
4. UNESCO Heritage tourism
5. Rural tourism
6. Historical tourism
7. Religious and spiritual tourism
8. Adventure tourism
9. Wellness tourism
10. Medical tourism
11. Beach tourism
12. Eco tourism
13. Tourism in Bengal
14. Opportunities and Challenges

Pranati Gangopadhyay
Head, Department of History
Sammilani Mahavidyalaya

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Kolkata - 700 094

STRESS MANAGEMENT

DEPARTMENT OF PHILOSOPHY

Duration: 30 Hours

Date of Commencement: 13.03.2023

Date of Completion: 13.04.2023

Number of Students Enrolled: 16

Number of Students Completed the Course: 16

Session: 2022-23

NOTICE

This is to bring to the notice of concerned students that Department of Philosophy is going to offer certificate /Add-on course for the students of Semester VI. Concerned Students are directed to contact with the department for enrolment. The details of the courses are given below:

Add-on Course on Stress management	Semester VI	30 hours (Total)	13/03/2023(tentative)	1. Smt. Sangita Dey sarkar 2. Sri Bibek Manna

Ranjit Shaw

Head, Department of Philosophy
Department of Philosophy
Sammilani Mahavidyalaya
Baghajatin, Kolkata-700 094

SChakraborty
Teacher-In-charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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ADD-ON COURSE ON STRESS MANAGEMENT

Course objective:

➤ to help students cope up with the new normal situation.

➤ To help them develop the ability to respond to a stressful event in a positive way.

➤ To make them happy, peaceful and stress free from the outside pressure.

➤ To reduce and relieve inner and outer stress.

➤ To build a healthy and productive life.

➤ To help them out from difficulties in adolescence.

Course curriculum design:

Module 1: nature and kinds of stress (3 lectures/3 hours)

Module 2: behavioural aspect of stress (5 lectures/5 hours)

Module 3: Cognitive aspect of stress (5 lectures/5 hours)

Module 4: Peer pressure and stress (4 lectures/ 4 hours)

Module 5: Work place hazards and stress (4 lectures /4 hours)

Module 6: Strategies of stress management (5 lectures/ 5 hours)

Module 7: Hands -on techniques of stress management (2 lectures/ 2hours)

Module 8: Assignment: 2 hours.

Course duration: at least 30 hours (tentatively)

**Course Instructor:** Department of Philosophy, Sammilani Mahavidyalaya

Course outcome:

➤ It improves the mental health of students.

➤ It also improves the physical health of students.

➤ It helps to overcome depression and frustration.

➤ Assess and describe the impact of stress on one's body, mind, and emotions.

➤ It helps to think in a positive way.

Course benefits:

➤ It helps in increasing individual productivity.

➤ It helps in building duties and responsibility in work place .

➤ It improves team work in work place.

➤ It helps building positive approach towards life.

➤ It helps improve better communication with others.

➤ It helps handling situational issues.
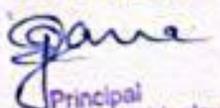
COMPETITIVE EXAM TRAINING COURSE

CAREER GUIDANCE AND PLACEMENT SUBCOMMITTEE

Duration: 30 Hours

Date of Commencement: 20.03.2023

Date of Completion: 25.05.2023

Number of Students Enrolled: 56

Number of Students Completed the Course: 28

Session: 2022-23

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Website :
www.sammilanimahavidyalaya.org

Ref.No.............................

Date 10.05.2023

NOTICE

This is to bring to the information of all students that Career Guidance and Placement sub-committee of Sammilani Mahavidyalaya is going to conduct a course on **competitive exams.training** with the assistance of AMBUJA NEOTIA. Further, the students will be awarded with the certificate after the completion of the course. All students are instructed to enrol themselves.

Sangita DuySukan
Convenor,
Career Guidance & Placement Sub Committee.

Teacher-In-Charge
Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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Principal
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Training course for Competitive Exams

Course Overview:

This course is meant for all students irrespective of Arts, Science and Commerce. This course has been designed to train students for cracking competitive exams related to Govt. jobs like Railway, Banking, SSC, PSC etc. Now a days students find it very hard to qualify in Govt. job related examinations. This course is planned in order to equipped them with the techniques of competitive exams within a minimum course fees.

Course design:

Level 1 (Six months)
Level 2 (Six months)

Course duration:

Total One year

Course Fee:

- 750/- for Six months

Course Conductor:

Sammilani Mahavidyalaya in collaboration with AMBUJA NEOTIA Group

Course Objectives:

➢ To provide students with specific knowledge about aptitude , reasoning, general knowledge, current affairs etc.
➢ To equip them with exams. mechanism.
➢ To make them crack competitive exams.

Coordinator,Committee
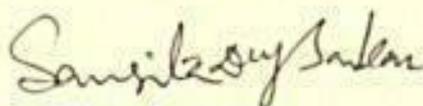Career Guidance and Placement Cell
Sammilani Mahavidyalaya

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Principal
Sammilani Mahavidyalaya
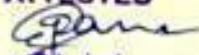E.M. Bypass, Baghajatin
Kolkata-700094

Course Outcome:

➢ Ability to upgrade news regarding Govt.related job.

➢ Ability to grasp specific knowledge

about competitive exams.

➢ Ability to crack Govt. Job.

Course Benefits:

➢ Employability opportunities.

➢ Career as Govt. Servant.

➢ Secured job opportunities.

➢ High ranking Govt. Job.

Coordinator Committee
Career Guidance and Placement Cell
Sammilani Mahavidyalaya

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Kolkata-700094

BRIDGE COURSE ON EMPLOYABILITY ENHANCEMENT

PUNE INSTITUTE AND BUSINESS MANAGEMENT (PIBM) & CAREER GUIDANCE AND PLACEMENT SUBCOMMITTEE
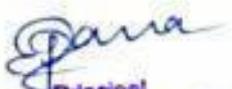
Duration: 30 Hours

Date of Commencement: 12.05.2023

Date of Completion: 25.05.2023

Number of Students Enrolled: 106

Number of Students Completed the Course: 100

Session: 2022-23

Principal
Saramilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094

Ref.No...........................

Date 8/5/23

NOTICE

This is to bring to the information of final semester students that Career guidance and Placement sub-committee of Sammilani Mahavidyalaya in collaboration with Pune Institute of Business Management is going to conduct a **Bridge Course on Employability Enhancement.** Further, the students will be awarded with the certificate after the completion of the course. All students of Semester VI are instructed to enroll themselves.

Convenor,

Coordinator Committee
Career Guidance and Placement Cell
Sammilani Mahavidyalaya
Career Guidance & placement Sub Committee

Teacher-In-Charge

Teacher-In-Charge
Sammilani Mahavidyalaya
E.M. Bypass, Baghajatin,
Kolkata- 700 094

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E.M.Bypass, Baghajatin
Kolkata - 700 094

Employability Enhancement Course

Please find the topics with the duration

Sl No	Topic	Sub Topic	Theory in Hrs	Practical in Hrs
1	How to speak confidently	Self-Introduction and Public speaking	2	2
2	How to Handle Group discussion effectively	Group Discussion	1	2
3	Personal Interview	Question & Answers	1	2
4	Psychometric Test & Analysis	Self-assessment	1	1
5	GST	Basic Understanding of GST	2	0
6	Income Tax	Applicability and Practicality	1	1
7	Balance Sheet	Understanding of Balance sheet	2	0
8	Insight to Financial world	Financial transactions and terms	1	0
9	Aptitude		1	1
10	Importance of Excel	Insight of EXCEL	1	2
11	Digital Marketing	Scope of Digital Marketing in present scenario	2	2
12	Evaluation & Guidance	Giving Direction	1	1
		Total - 30 Hrs.	16	14

We would appreciate if you have any suggestions about the topic which could be included in the list.

Thanking you in anticipation

PROF. SAMIR MONDAL
HOD Skills Development - PIBM, Pune
Mob: 9607960471

ATTESTED

Principal
Sammilani Mahavidyalaya
E.M.Bypass, Baghajatin
Kolkata - 700 094