



MAHESHTALA COLLEGE

BUDGE BUDGE TRUNK ROAD, KOLKATA-700139

Affiliated to University of Calcutta, Kolkata

Mobile No.: 7439501363 /6289482452

Website: <https://www.maheshtalacollege.ac.in>

Key Indicator – 1.2

Academic Flexibility

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)

Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes

Criterion 1 – Curricular Aspects



MAHESHTALA COLLEGE

BUDGE BUDGE TRUNK ROAD, MAHESHTALA, KOLKATA – 700139
 E-mail: maheshtalacollege@yahoo.com/principal.maheshtalacollege@gmail.com
 ☎: 6289482452 (Office)
 Website: www.maheshtalacollege.ac.in



MAHESHTALA COLLEGE

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 Website: www.maheshtalacollege.ac.in

NOTICE

Date: 27/09/2022

Students of the college are hereby notified that ONLINE ADD ON COURSES/ CERTIFICATE COURSE/ VALUE ADDED COURSE are being introduced for academic enrichment and better career prospects of students of the college. All Hons and General students of the college should enrol and attend these classes to be held after college hours. Students are to contact departmental teachers for class schedule and other details of of Add on courses. The following courses are offered by each of the departments mentioned and brochures will be available in college website.

ADD ON/CERTIFICATE COURSE DETAILS:-

Sl No	Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL, etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
1	Certificate Course on Basic Digital Literacy	MC/CC/COMP-C/22-23	2022-2023	16.02.2023-23.05.2023	40 hours	139	90
2	Spoken Sanskrit	MC/AOC/SANA-LIT/22-23	2022-2023	12.04.2023-10.05.2023	30 Hours	12	10
3	Citizenship: Concept, Duties and Responsibilities	MC/AOC//PLSA/2022-23	2022-2023	21.03.2023-13.05.2023	32 hour	8	8
4	Introduction to Film Studies	MC/AOC/ENG/22-23	2022-2023	21.03.2023-15.05.2023	32 hour	52	52
5	Leadership and Decision Making Skills	CMC/AOC/ECO-LDMS/22-23	2022-2023	27.09.2022-12.11.2022	32 hour	6	6
6	Ground-truth Verification Techniques through Global Navigation Satellite System	MC/AOC/GEO-GNSS/22-23	2022-2023	21.03.2023-15.05.2023	40 hours	22	22
7	The History and Cultural Development of Kolkata (1857-1947)	MC/AOC/BNG/122-23	2022-2023	18.04.2023 - 31.05.2023	30 hour	11	10
8	Introduction To Artificial Intelligence And Machine Learning	MC/AOC/CMSA/22-23	2022-2023	21.03.2023-15.05.2023	36 Hour	2	2

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DEPARTMENT OF GEOGRAPHY

Ground-truth Verification Techniques through Global Navigation Satellite System

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KOLKATA-700139
Website: <https://www.maheshtalacollege.ac.in>

Addon Course
2022-2023



Course Coordinator:
Tania Guha

Joint Coordinator:
Dr. Deepa Bhattacharyya
& Deepshikha Mutsuddi

Department of Geography

40 Hours Live Course

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KNOWLEDGE IS POWER

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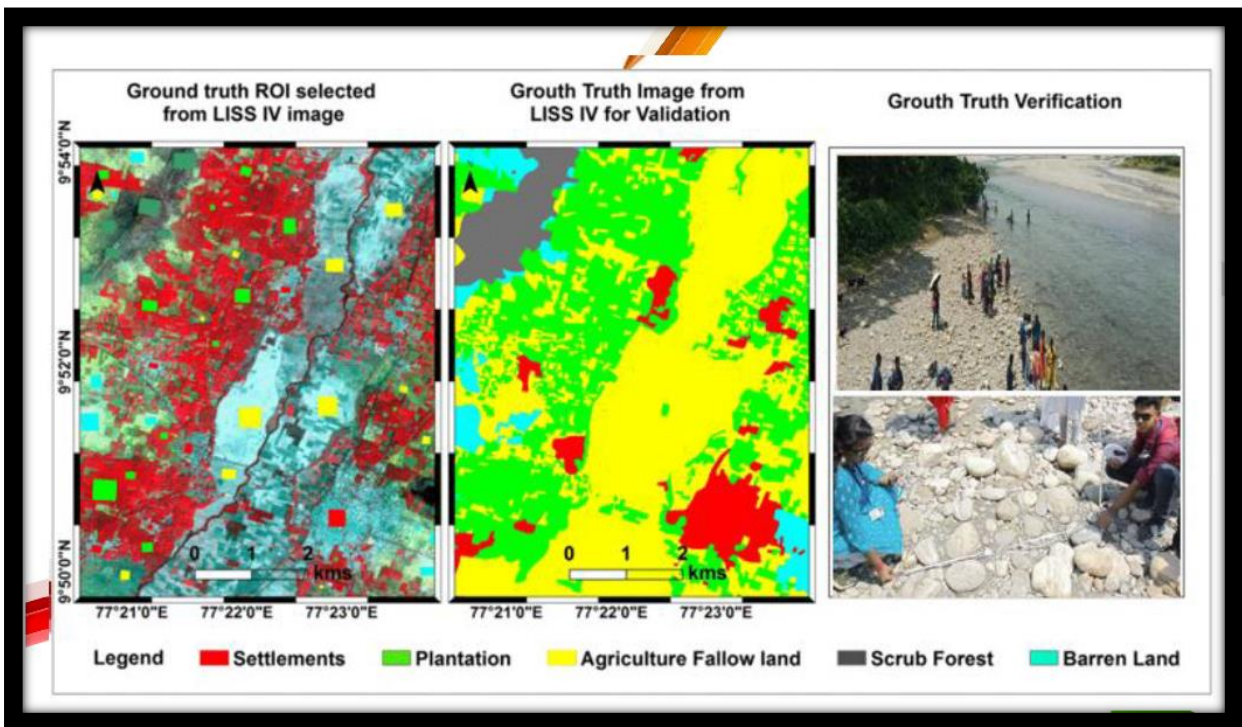
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Garmin Etrex

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curriculum

• Unit 1

- Introduction to Global Navigation Satellite System (GNSS)
- How position is determined by the GNSS?
- How position is determined by the GNSS?
- How position is determined by the GNSS?
- NAVSTAR - Global Positioning System

• Unit 2

- Global Navigation Satellite System (GLONASS)
- BeiDou Navigation Satellite System (BDS)
- Indian Regional Navigation Satellite System (IRNSS)
- GALILEO

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• Unit 3



curriculum

- Differential Global Navigation Satellite System (DGNSS)
- Satellite Based Augmentation System (SBAS)
- GNSS Errors
- GNSS Correction Methods
- Handson Training in Field

• Unit 4



- Why altitude estimated by GNSS receivers is not very accurate
- Global Navigation Satellite Systems (GNSS) Applications - I
- Global Navigation Satellite Systems (GNSS) Applications - II
- GNSS: Current Trends and Future
- GNSS: Opportunities in India

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Faculties



Dr. Deepa Bhattacharyya

M.Sc., Ph.D,
Post Graduate Diploma in RS&
GIS, Jadavpur University & IIRS,
ISRO, Dehradun

Research Interest: Glacial &
Fluvial Geomorphology, Remote
Sensing & GIS, Hazards,
Statistical Geography



Deepshikha Mutsuddi

M.Sc. B.Ed., M.A. in Education,
Certificate and Foundation
Course in GIS & RS

Research Interest: Regional
Planning, Social, Cultural and
economic aspects of a Region



Tania Guha

M.Sc., B.Ed.,
Certificate Course in GIS &
RS

Research Interest:
Agricultural Geography,
Climatology, Resource
Geography

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References

Al-Bayari, O. and Sadoun, B., (2005). New centralized automatic vehicle location communications software system under GIS environment. International Journal of Communication System, 18(9): 833-846.

Aerospace Corporation, (2003). GPS Primer: A Student Guide to the Global Positioning System. Los Angeles, USA. Available at :
<http://www.aero.org/education/primers/gps/GPS-Primer.pdf> (access date 12/2005).

Betz, J. W. (2002). Binary offset carrier modulation for radio navigation. Navigation, 48 (4): 227-246.

Dierendonck, A J and Hegarty, C. (2000). The new L5 Civil GPS Signal. GPS World, 11, 64-71.

Euler H. J. (2005): Reference Station Network Information Distribution, IAG Working Group 4.5.1: Network RTK. Available at <http://www.network-rtk.info/euler/euler.html>.

Feng, Y (2003), Combined Galileo and GPS: A Technical Perspective. Journal of Global Positioning Systems, 2 (1): 67-72.

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DEPARTMENT OF COMPUTER SCIENCE

BROCHURE OF ADD ON COURSE

Introduction to Artificial Intelligence and Machine Learning

Organized by Dept. of Computer Science
Maheshtala College

-:Aim of the course:-

The primary objective of this course is to provide an introduction to the basic principles and applications of Artificial Intelligence that includes problem solving, knowledge representation, reasoning, decision making, planning, perception & action, and learning.

Learning outcome

- * Identify problems where artificial intelligence techniques are applicable
- * Apply selected basic AI techniques; judge applicability of more advanced techniques.
- * Participate in the design of systems that act intelligently and learn from experience.

Faculty Members

- * Prof. Satyajit Dey.
- * Prof. Barun Biswas
- * Prof. Payel Rakshit
- * Prof. Sujata Ray Dey

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Curriculum

I. Course Title: Introduction to Artificial Intelligence and Machine Learning

III. Credit Hours.: 36 Hour

IV. Aim of the course

The primary objective of this course is to provide an introduction to the basic principles and applications of Artificial Intelligence that includes problem solving, knowledge representation, reasoning, decision making, planning, perception & action, and learning.

V. Theory

Unit I 4 Hour

Introduction to Artificial Intelligence (AI); Scope of AI: Games, theorem proving, natural language processing, robotics, expert system.

Unit II 6 Hour

Knowledge: General concept of knowledge, Knowledge based system, Representation of knowledge, Knowledge organization and manipulation, Acquisition of knowledge.

Unit III 6 Hour

Symbolic approach: Syntax and Semantics for Propositional Logic (PL) and First order predicates logic (FOPL), Properties of well-formed formulas (wffs), Conversion to clausal form, Inference rules, Resolution principle, Non deductive inference methods.

Unit IV 8 Hour

Search and Control strategies: Blind search, Breadth- first search, Depth - First search, Hill climbing method, Best - First search, Branch and Bound search.

Unit V 4 Hour

Learning: Concept of learning, learning automation, genetic algorithms, learning by induction.

Unit VI 2 Hour

Expert System: Introduction to expert system, Characteristics features of expert system, Applications, Importance of Expert system, Rule based system architecture.

VI. Practical 6 Hour

• Search and Control strategies: Blind search, Breadth- first search, Depth - First search, Hill climbing method, Best - First search, Branch and Bound search;

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Restructured and Revised Syllabi of Add on program

Vol. 2

• Learning by induction;

• Genetic algorithms;

• Case study of a rule based expert system and Construction of Decision tree.

Examination

- * Theory Exam 50 marks, 1 Hour
- * Practical Exam 50 marks, 1 Hour

- * The Total duration of the course is 36 Hours, and after successful completion of the course the student will get a certificate issued by the college.

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Curriculum:

1. Course Title: Introduction to Artificial Intelligence and Machine Learning

III. Credit Hours: 36 Hour

IV. Aim of the course

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Restructured and Revised Syllabi of Add on program

Vol. 2

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Department of Political Science

Citizenship: Concept, Duties and Responsibilities



Objectives of the Coursers

Understand the meaning and importance of citizenship
Understand the role of citizens in a democratic society
Identify the duties and responsibilities of citizens
Understand the importance of civic engagement
Understand the importance of voting and participation in the political process
Understand the importance of community service
Understand the importance of social responsibility

Faculty Members

1. Sanjibita Mondal, M.A. M.Phil.
Assistant Professor. Department
of Political Science. Maheshtala
College. 9830472198 Email id-
mondalsanjibita@gmail.com



2. Ranajit Das M. A., M.Phil
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3. Asis Naskar M.A., M.phil. SACT
Department of Political Science
Mob No-9674836280 Email
asisnaskar3@gmail.com



Course Curriculum:

Total duration of the course 36 hours, per class 2 hours Time: 7pm-9pm

Syllabus

Course Outline:

Week 1:

Introduction to Citizenship
What is citizenship?
Importance of citizenship
Types of citizenship
Rights and privileges of citizens



Week 2:

Roles of Citizens in a Democratic Society
The role of citizens in a democracy
Active citizenship
Participation in decision-making



Week 3:

Duties and Responsibilities of Citizens
Civic duties (e.g., paying taxes, following laws)
Civic responsibilities (e.g., community service, volunteering)
Individual responsibilities (e.g., being informed,



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being respectful)

Week 4:

- Civic Engagement
- What is civic engagement?
- Importance of civic engagement
- How to get involved in civic engagement activities



Week 5:

- Voting and Political Participation
- The importance of voting
- Voter registration and voting process
- Other forms of political participation (e.g., attending rallies, writing letters to representatives)



Week 6:

- Community Service
- Importance of community service
- Types of community service activities
- How to get involved in community service



Week 7:

- Social Responsibility
- What is social responsibility?
- Importance of social responsibility
- How to be socially responsible



Week 8:

- Final Project
- Students will choose a topic related to citizen duties and responsibilities and prepare a project that demonstrates their understanding of the topic.

Assessment:

- 2 hours

Assessment will be based on class participation, assignments, quizzes, and a final project. The final project will be worth a significant portion of the final grade and will be evaluated based on creativity, originality, and depth of understanding of the topic.

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- ❖ Class participation and discussion (20%)
- ❖ Written assignments (40%)
- ❖ Final research project or paper (40%)

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DEPARTMENT OF ENGLISH

Maheshtala College
organises 'Add-On Course' on
'Introduction to Film Studies' Course
AY :- 2022-2023

PRODUCTION	
SCENE	TAKE
DIRECTOR	
CAMERA	
DATE	

Department of English
Email:- english@maheshtalacollege.ac.in

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SYLLABUS OF THE ADD ON COURSE

Duration of the Course

32 Hours

Topics to be Covered

- Introduction to the History of Films
- Short History of Indian cinema
- Indian Films & Western Films
 - Film & Society
 - Film & Literature
 - Film & Drama

* Certificates will be provided at the end of the course

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DEPARTMENT OF BENGALI

LIST OF STUDENTS REGISTERED IN THE ADD ON COURSE

Session: 2022-23

Name of Department: Bengali

Name of Course: The History and Cultural Development of Kolkata : 1857-1947

BROCHURE:

<u>MAHESHTALA COLLEGE</u> Department of Bengali Add-On Course	<u>COURSE TOPIC</u>	<u>BOOK LIST</u>
<p>The History and Cultural Development of Kolkata : 1857-1947</p> <p>Course code: MC/AC/BEG/1/22-23</p> <p><u>Course Outcome</u></p> <ol style="list-style-type: none">1. Comprehensive Historical Knowledge2. Critical Analysis of Colonial Impact3. Cultural Evolution and Diversity4. Social Movements and Struggles5. Urban Development and Infrastructure6. Historiographical Skills	<ul style="list-style-type: none">• Introduction to Kolkata in the Late 19th Century• British Colonial Policies and Kolkata's Transformation• Cultural Renaissance in Kolkata• Political Movements and Leaders• Social Dynamics and Class Structures• Architectural Evolution and Urban Planning• Cultural Exchange and Synthesis• Historical Sources and Interpretation <p><u>FACULTY</u></p> <ul style="list-style-type: none">• Dr. Suchandra Bhattacharyya(H.O.D)• Dr. Indrani Ghoshal• Prof. Lipi Halder• Dr. Monami Basu <p>Lecture Hours : 30 Hours</p>	<ul style="list-style-type: none">• "City of Dreadful Night: A Tale of Kolkata", Rudyard Kipling• "Kolkata: The Living City", Sukanta Chaudhuri• "The Making of New Economic Policy: A Case Study of Kolkata in the Late 19th Century", Rajat Ray• "Calcutta: Two Years in the City", Amit Chaudhuri• "Nationalism, Terrorism, Communalism: Essays in Modern Indian History", Bipan Chandra• "The Bengalis: A Portrait of a Community", Sudeep Chakravarti• "A Social History of the Deccan, 1300-1761: Eight Indian Lives", Richard M. Eaton• "Calcutta: The Stormy Decades", Sunanda Sanyal• "Swadeshi Movement in Bengal 1903-1908: A Socio-Economic Study", Sumit Sarkar• "Calcutta: Society and Change 1690-1990", Amiya Kumar Bagchi• "The Partition of Bengal: Fragile Borders and New Identities", Debjani Sengupta• "Kolkata: A Soul City", Rangan Datta• "Freedom at Midnight", Dominique Lapierre and Larry Collins• "The Swadeshi Movement in Bengal 1903-1908: A Historical Survey", Azok Mukhopadhyay• "Calcutta: Imprint of a Colonial City", Anandita Bajpai

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DEPARTMENT OF ECONOMICS

Flyer of the Add-On Course

ADD-ON COURSE ON- LEADERSHIP AND DECISION MAKING SKILLS

LIVE ONLINE CLASSES

SESSION: 2022-23

Course Code: MC/AOC/ECO-LDMS/22-23

*Department of Economics,
Maheshtala College*

*Budge Budge Trunk Road Maheshtala, Kolkata-700141
Email: economics.maheshtalacollege@gmail.com*



Course description & Vision

This add-on leadership course is the ideal place to start if you've always wanted to understand the principles of excellent, effective leadership. Discover what constitutes excellent management and leadership, as well as how to put into practice the course's practical techniques to enhance your decision-making abilities and elevate your leadership from good to outstanding by motivating others to consistently strive for greater accomplishments for the benefit of the group as a whole.

Course duration : 32 hours

Course Content :

Module 1: A framework for decision making (5 hours)

Module 2: Making great decisions (5 hours)

Module 3: The Classical virtues of leadership (4 Hours)

Module 4: Perspective on leadership (4 hours)

Module 5: Honesty, Moral Courage & Moral Vision (5 hours)

Module 6: Compassion, listening skills and Aesthetic Sensitivity (5 hours)

Module 7: Good timing and selflessness (4 hours)



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CURRICULUM

Add-On Course on 'Leadership and Decision Making Skills'

Department of Economics, Maheshtala College

Session: 2022-23

Course Code: MC/AOC/ECO-LDMS/22-23

Curriculum

Module	Topics / Subtopics	Name of Instructor
Module 1:	A framework for decision making (5 hours)	Prof. <u>Manas Mitra</u>
Module 2:	Making great decisions (5 hours)	Prof. <u>Manas Mitra</u>
Module 3:	The Classical virtues of leadership (4 Hours)	Prof. <u>Manas Mitra</u>
Module 4:	Perspective on leadership (4 hours)	Prof. <u>Sanjok Lohar</u>
Module 5:	Honesty, Moral Courage & Moral Vision (5 hours)	Prof. <u>Subhasis De</u>
Module 6:	Compassion, listening skills and Aesthetic Sensitivity (5 hours)	Prof. <u>Subhasis De</u>
Module 7	Good timing and selflessness (4 hours)	Prof. <u>Sanjok Lohar</u>


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DEPARTMENT OF SANSKRIT



ADD-ON COURSE
ON

SPOKEN SANSKRIT

सम्भाषणसंस्कृतम् - वदत संस्कृतं निर्भयम्

Conducted by

Departments of Sanskrit,
Maheshtala College &
Women's Christian College

(Under Academic Linkage Programme)

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सम्भाषणसंस्कृतम्

Sanskrit : Representing India's glorious past

- Sanskrit language, (from Sanskrit saṃskṛta, “adorned, cultivated, purified”), an Old Indo-Aryan language in which the most ancient documents are the Vedas, composed in what is called Vedic Sanskrit.
- Although Vedic documents represent the dialects then found in the northern midlands of the Indian subcontinent and areas immediately east thereof, the very earliest texts—including the Rigveda (“The Veda Composed in Verses”), which scholars generally ascribe to approximately 1500 BCE—stem from the northwestern part of the subcontinent, the area of the ancient seven rivers (sapta sindhavaḥ).

संस्कृतम्

RDas

DR. RUMPA DAS
Principal
Maheshtala College
Kolkata-700139





MAHESHTALA COLLEGE

BUDGE BUDGE TRUNK ROAD, MAHESHTALA, KOLKATA – 700139
E-mail: maheshtalacollege@yahoo.com/principal.maheshtalacollege@gmail.com

☎: 6289482452 (Office)

Website: www.maheshtalacollege.ac.in

Speak Sanskrit Fluently!

Spoken Sanskrit –

सम्भाषणसंस्कृतम् - वदत संस्कृतं निर्भयम् -

- Besides knowing the language and literature of Sanskrit, as prescribed in Calcutta University syllabus, it is important for students to learn to listen and speak the language in order to know about the nuances of the language.
- This course is designed to enable students to learn to speak Sanskrit confidently.

संस्कृतम्

About the Course

- This is a 30- hour blended mode course on Spoken Sanskrit.
- The Course is open to Undergraduate Students of Maheshtala College & Women's Christian College.
- The duration of each class will be one hour.

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Course Objectives

- To teach our students how to speak Sanskrit fluently.
- To help students overcome the hesitation to speak Sanskrit.
- To teach students General Sanskrit grammar & translation.
- To teach students various Sanskrit words.
- To teach students actual pronunciation of Sanskrit phonemes.

संस्कृतम्

Learning Outcome

- Students would be able to speak Sanskrit fluently.
- Students would be able to know various Sanskrit words and phrases.
- Students would be able to know general Sanskrit grammar.
- Students would be able to translate in Sanskrit from Bengali.

संस्कृतम्

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Syllabus

Sl. No	Content	Hours	Teacher's Name
1	शब्दरूपम्	4H	SRC
2	विशेष्यविशेषणसर्वनामपदानां प्रयोगः	2H	DC
3	धातुरूपम्	4H	TB
4	अव्ययम् उपसर्गाः च	3H	SC
5	कारकम्	5H	PD
6	प्रत्ययाः	3H	SB
7	शब्दज्ञानम्	2H	MH
8	वाच्यपरिवर्तनम्	2H	AC
9	वार्तालापस्य अभ्यासः एकपदीकरणम् च	3H	AC
10	अभीक्षणम्	2H	

संस्कृतम्

Recommended Study Materials

Book List -

Paniniyam - Lahiri, Shastri

PaniniyaShabda Shastra -Satyanarayan Chakraborty

Byakaranakaumudi - IshwarCh.Vidyasagar

Helps to the study of Sanskrit - JanakinathShastri

Books of Practice -

Chipitakacharvanam-ShrijivaNayatirtha

Daridradurdaivam -ShrijivaNayatirtha

Bharatavivekam-Jyotindrabimal Chaudhuri

Links -

https://youtu.be/d03uKp_OX18

<https://youtu.be/dRF7izVJVvQ>

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Evaluation

- Evaluation will be done mid-course and at the end of the term.
- Both oral and written examinations will be taken.
- On successful completion of the course, Certificate will be given to the students.
- Advanced Level Spoken Sanskrit Course will be offered to interested candidates. Contact Course Coordinators for further details.

महेश्वर
संस्कृत

Our Patrons

Dr. Rumpa Das

Honorable Principal
Maheshtala College

&

Dr. Ajanta Paul

Honorable Principal
Women's Christian College

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संस्कृत

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Principal
Maheshtala College
Kolkata-700139





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Course Coordinators -

Dr. Sharbani Chattopadhyay

Head of the Department of Sanskrit

Maheshtala College

&

Dr. Tapasi Banarjee

Head of the Department of Sanskrit

Women's Christian College

संस्कृतम्

Resource Persons

Sl. No	Name	Designation
1	Dr. Tapasi Banarjee	Associate Professor
2	Smt. Sonali Bose	Associate Professor
3	Dr. Sharbani Chattopadhyay	Assistant Professor
4	Smt. Shomasree Roy Chowdhury	Assistant Professor
5	Dr. Ashim Chakraborty	Assistant Professor
6	Shri Prosanta Dey	Assistant Professor
7	Smt. Mithu Halder	S.A.C.T
8	Shri Dibyendu Chowdhury	S.A.C.T

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www.womenschristiancollege.net

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NOTICE

Date: 23/12/2022

Students of the college are hereby notified that ONLINE ADD ON COURSES/ CERTIFICATE COURSE/ VALUE ADDED COURSE are being introduced for academic enrichment and better career prospects of students of the college. All Hons and General students of the college should enrol and attend these classes to be held after college hours . Students are to contact departmental teachers for class schedule and other details of of Add on courses. The following courses are offered by each of the departments mentioned and brochures will be available in college website.

Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
E-Saksham	MC/AOC/EDU/21-22	2021-2022	08.02.2022 - 19.04.2022	40 hours	4	4
Introduction to Cyber Security and Information Security	MC/AOC/COMP/21-22	2021-2022	10.02.2022 - 23.04.2022	36 hours	1	1
Himalayan Studies	MC/AOC/GEO/21-22	2021-2022	17.02.2022 - 19.04.2022	40 hours	33	33
Studies in Social issues and Justice	MC/AOC/PLSA/21-22	2021-2022	24.03.2022 - 26.04.2022	32 hours	12	12
Business English and career skills	MC/AOC/ENG/21-22	2021-2022	05.03.2022 - 12.05.2022	32 hours	21	21
An Overview of Indirect Tax	MC/AOC/COM/21-22	2021-2022	04.01.2022 - 26.04.2022	30 hours	17	17
Bengali Stage and its people: An evaluating study	MC/AOC/BNG-B5/21-22	2021-2022	11.04.2022 - 30.05.2022	30 hours	19	16
Indian Stock Market	MC/AOC/ECO-LDMS/21-22	2021-2022	08.02.2022 - 19.04.2022	40 hours	4	4
Taddhitapavesah	MC/AOC/SAN-T/21-22	2021-2022	12.03.2022 - 30.05.2022	40 hours	5	5
Certificate Course on Basic Digital Literacy	MC/CC/COMP-C/21-22	2021-2022	18.09.2021 - 18.01.2022	40 hours	79	79



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DEPARTMENT OF GEOGRAPHY

HIMALAYAN STUDIES

Department of Geography

MAHESHTALA COLLEGE
BUDGE BUDGE TRUNK ROAD
KOLKATA-700139
Website: <https://www.maheshtalacollege.ac.in>

**Addon Course
2021-2022**

Course Coordinator:
Tania Guha

Joint Coordinator:
Dr. Deepa Bhattacharyya & Deepshikha Mutsuddi

40 Hours Live Course

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Objectives

A multi-disciplinary research centre devoted to study the Himalayan history, geography, society, economy, polity, culture, traditional knowledge, bioresources, environment, sustainable development and related fields.

Faculties



Dr. Deepa Bhattacharyya

M.Sc., Ph.D,
Post Graduate Diploma in RS&
GIS, Jadavpur University & IIRS,
ISRO, Dehradun

Research Interest: Glacial &
Fluvial Geomorphology, Remote
Sensing & GIS, Hazards,
Statistical Geography



Deepshikha Mutsuddi

M.Sc. B.Ed., M.A. in Education,
Certificate and Foundation
Course in GIS & RS

Research Interest: Regional
Planning, Social, Cultural and
economic aspects of a Region



Tania Guha

M.Sc., B.Ed.,
Certificate Course in GIS &
RS

Research Interest:
Agricultural Geography,
Climatology, Resource
Geography

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Unit I & II : Geography and History of Eastern Himalayas

1. Physical landscape of the Eastern Himalayas - Physiography, climate, drainage, flora and fauna
2. Natural resources of the Central & Eastern Himalayas - Regionalisation - Conservation and management of resources – Perspectives of economic development
3. Environment and Sustainable Development in the Himalayas
4. Religion and State formation in Leh, uttarakhand and Himachal Pradesh
5. Tibetan Government outside Tibet and the question of Tibetan nationality
6. Hazards in Himalayan Region

Unit II & IV : Economy and Politics in Eastern Himalayas

1. Traditional economy and occupation in the Eastern Himalayas: Class Structure – Relevance and concepts of tribal and peasant society in the Eastern Himalayan region
2. Patterns of urbanization, industrialization and State intervention in the Western & Central Himalayas
3. Problems of development and security of small and landlocked countries – Strategic environment of the Himalayan Region
4. The politics of the Himalayan States: Ethnic and sub-national movements – Refugees and Human Rights
5. Culture, identity and politics: Critical perspectives in the study of Himalayan region
6. Community, civil society and State formation in the Eastern Himalayas

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Reading List

- Bhattacharya-Panda, Nandini. (2015). *Culture, Heritage and Identity*. New Delhi: K. W. Publishers Private limited.
- Bose, S.C. (1972). *Geography of the Himalaya*. New Delhi: National Book Trust.
- Chaube, S. K. Ed. (1985). *The Himalayas: Profiles of Modernisation and Adaptation*. New Delhi: Sterling Publishing House.
- Choudhury, Maitreyee. Ed. (2008). *Himalayan Studies in India*. New Delhi: Mittal Publications.
- Datta, Karubaki. Ed. (2006). *Urbanisation in the Eastern Himalayas: Emergence and issues*, New Delhi: Serials Publications.
- Datta, Karubaki. Ed. (2017). *Man, and Forest in the Himalayas and Northeast India*. New Delhi: B. R. Publishing Corporation.
- Gunaratne, Arjun. Ed. (2010). *Culture and the Environment in the Himalaya*. London: Routledge.
- Lall, J. S. Ed. (1981). *The Himalaya: Aspects of Change*. Delhi: Oxford University Press.
- Pandit, Maharaj K. (2017). *Life in the Himalaya: An Ecosystem at Risk*. Cambridge: Harvard University Press.
- Warikoo, K. Ed. (2009). *Himalayan Frontiers of India: Historical, Geo-Political and Strategic Perspectives*. London: Routledge.
- Zurick, David and P. P. Karan. (1999). *Himalaya: Life on the Edge of the World*. Baltimore: Johns Hopkins University Press.

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Useful Web Resources

- Digital Himalaya (<https://www.digitalhimalaya.com>)
Pahad (<https://pahar.in>)
Resources Himalaya Foundation
(<https://resourcehimalaya.org>)
International Centre for Integrated Mountain
Development (<https://www.icimod.org>)



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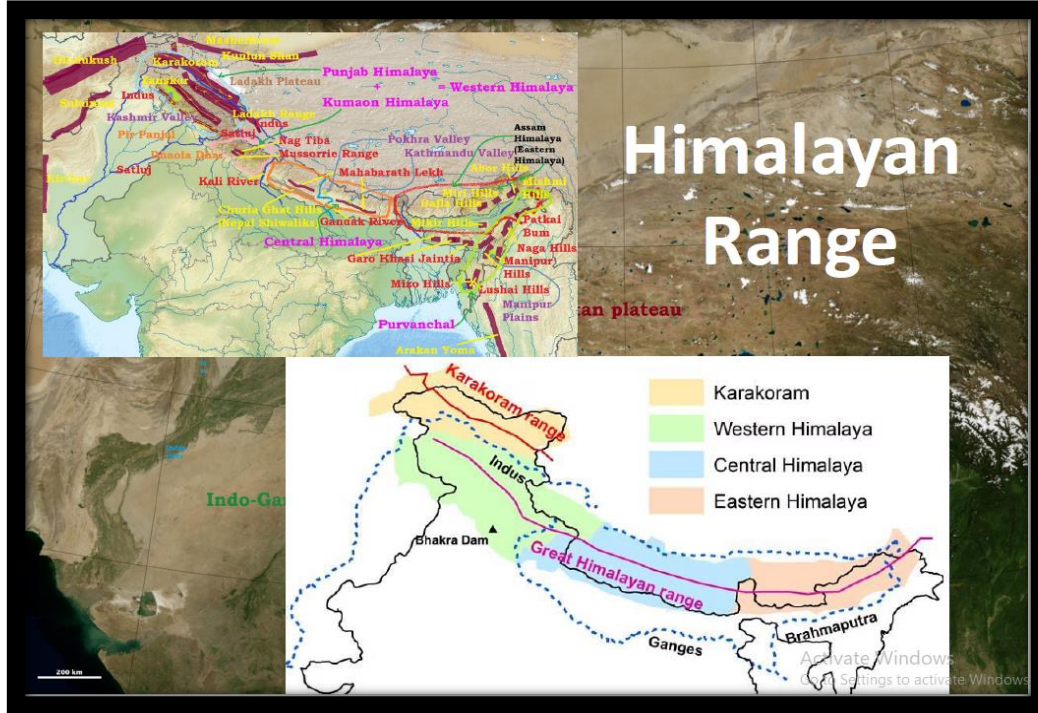
KNOWLEDGE IS POWER

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Contact Us

Department of Geography, Maheshtala College, Budge Budge Trunk Road, Maheshtala, Chandannagar, Kolkata – 700139

geography@maheshtalacollege.ac.in

<https://www.maheshtalacollege.ac.in/geography-page1>

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DEPARTMENT OF COMPUTER SCIENCE

BROCHURE OF ADD ON COURSE

Introduction to Cyber Security and Information Security

Organized by Dept. of Computer Science
Maheshtala College

-:Aim of the course:-

This course aims to provide basic theoretical concepts on Cyber security and Information Security. Especially this course is useful for the beginners who want to earn knowledge regarding Cyber security. Further a student can also take cyber security as a career opportunity as he/she is gathering basic knowledge from this course.

Learning outcome

- To develop basic understanding regarding security, cryptography.
- * To learn about protecting and defending computer systems and networks from different attacks.
- * To gain basic knowledge on security laws.
- * To gain basic knowledge on system security and wireless security.

Faculty Members

- * Prof. Satyajit Dey.
- * Prof. Barun Biswas
- * Prof. Payel Rakshit
- * Prof. Sujata Ray Dey



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Curriculum

Unit 1 : Security threats 4 hours

1. Overview
2. Weak/Strong Passwords and Password Cracking
3. Insecure Network connections
4. Malicious Code
5. Programming Bugs
6. Cyber Crime and Cyber Bugs

Unit 2: Cryptography/Encryption 6 hours

1. Introduction
2. Digital signatures
3. Public Key infrastructure
4. Block and Chain ciphers
5. Applications of Cryptography

Unit 3: Security Laws and standards 8 hours

1. Overview
2. Laws and Ethics in Information security
3. Codes of Ethics
4. Classification of Cybercrimes
5. The legal perspectives – Indian perspective
6. The legal perspectives – Global perspective
7. Security Audit
8. SSE-CMM / COBI

Curriculum

Unit 4: Server Management and firewalls 2 hours

1. User Management
2. Overview of Firewalls
3. Types of Firewalls
4. DMZ and firewall features

Unit 5: Security for VPN and Next Generation Technologies 5 hours

1. VPN security
2. Security in Multimedia network
3. Various computing platforms : HPC, Cluster and Computing Grids
4. Virtualization and Cloud Technology and Security

Unit 6: System Security 4 hours

1. Desktop security
2. Email security : PGP and SMIME
3. Web security : SSL, SET
4. Database security

Unit 7: Operating System security 4 hours

1. Vulnerabilities, updates, patches
2. OS integrity checks
3. Anti-virus software
4. Configuring the OS for security

Unit 8: Wireless network security 3 hours

1. Components of wireless network
2. Security issues in wireless

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Examination

- * Theory Exam 50 marks, 1 Hour
- * Practical Exam 50 marks, 1 Hour

- * The Total duration of the course is 36 Hours, and after successful completion of the course the student will get a certificate issued by the college.

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Curriculum:

Unit 1: Security threats

4 hours

1. Overview
2. Weak/Strong Passwords and Password Cracking
3. Insecure Network connections
4. Malicious Code
5. Programming Bugs
6. Cyber Crime and Cyber Bugs

Unit 2: Cryptography/Encryption

6 hours

1. Introduction
2. Digital signatures
3. Public Key infrastructure
4. Block and Chain ciphers
5. Applications of Cryptography

Unit 3: Security Laws and standards

8 hours

1. Overview
2. Laws and Ethics in Information security
3. Codes of Ethics
4. Classification of Cybercrimes
5. The legal perspectives – Indian perspective
6. The legal perspectives – Global perspective
7. Security Audit
8. SSE-CMM / COBI

Unit 4: Server Management and firewalls

2 hours

- ❖ User Management
- ❖ Overview of Firewalls
- ❖ Types of Firewalls
- ❖ DMZ and firewall features

Unit 5: Security for VPN and Next Generation Technologies

5 hours

4. VPN security
5. Security in Multimedia network
6. Various computing platforms : HPC, Cluster and Computing Grids
7. Virtualization and Cloud Technology and Security

Unit 6: System Security

4 hours

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Desktop security

Email security : PGP and SMIME

Web security : SSL, SET

Database security

Unit 7: Operating System security

4 hours

1. Vulnerabilities, updates, patches
2. OS integrity checks
3. Anti-virus software
4. Configuring the OS for security

Unit 8: Wireless network security

3 hours

1. Components of wireless network
2. Security issues in wireless

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DEPARTMENT OF POLITICAL SCIENCE



Studies in Social issues and Justice

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Objectives of the Course:

Social issues refer to problems or conditions which negatively affect a large number of people and society. It imbalances the harmony of a nation. There are lots of social issues India faces like gender inequality, child labour, fundamentalism, Untouchability to name a few. Most of the social issues are inter connected and have common origins.

In this course various social problems will be examined, analyzed and addressed to seek possible solutions.

This course will not only introduce students to the problems but will also build a firm foundation in the study of public policy and the policy-making process. This will help to develop their analytical skills and train them in the process of policymaking as it is an important tool to reduce social inequalities.

Faculty: Dept. of Political Science

1. Sanjibita Mondal, M.A.
M.Phil. Assistant
Professor. Department of
Political Science.
Maheshtala College.



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9830472198 Email id-
mondalsanjibita@gmail.com
[m](mailto:mondalsanjibita@gmail.com)

2. Ranajit Das M. A., M.Phil
Assistant Professor
Department of Political
Science Phone:
7003459156 E-Mail:
ranajit.mc16@gmail.com



3. Asis Naskar M.A., M.phil.
SACT Department of
Political Science Mob No-
9674836280 Email
asisnaskar3@gmail.com



Course Curriculum:

Total duration of the
course 32 hours Duration
per class 2 hours

Time - 7pm- 9pm (online)

Syllabus

1. Introduction to Social Issues and classification - 1hours

2. **Crime against Women:**

-6 hours). Sexual assa

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3. Crime against Children: - 6
hours
a). Incest, b). Child labour and abuse, c) Trafficking of girl child and Child Marriage.

4. Social Inequality: -6
hours
a) Inequality in Caste b). Inequality in Gender, c). Poverty

5. Family Problem: -6
hours
a) Patriarchy, b) Single Parenting, c). Problems of elderly

6. Mental and health issues: -6
hours
a). Depression and Suicide, b). Alcoholism and Drug abuse,
c) Organ trafficking.

- Assessment: - 1**
hours

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Reference –

T. Shinde, (1993) 'Stree Purusha Tulna', in K. Lalitha and Susie Tharu (eds), *Women Writing in India*, New Delhi, Oxford University Press, pp.

221-234. V Geetha, (2002) *Gender*, Kolkata, Stree, pp. 1-20

R. Palriwala, (2008) 'Economics and Patriliney: Consumption and Authority within the Household' in M. John. (ed) *Women's Studies in India*, New Delhi: Penguin, pp. 414-421

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

Sharma Lalita K. *Social Issues in India*,

Chopra Geeta, *Child Rights in India: challenges and Social action*

Vatsala, Pratyush (2015) *Equality and Social justice: Issues and Concerns*. Atlantic publishers,

S. Durrany, (2006) *The Protection of Women From Domestic Violence Act 2005*, New Delhi: Indian Social Institute.

V. Kumari, (2008) 'Offences against Women', in K, Sankaran and

U. Singh (eds.) *Towards Legal Literacy*, New Delhi:

Oxford University Press.

P. D. Mathew (2004) *The Measure to Prevent Sexual Harassment of Women in Work Place*. New Delhi: Indian Social Institute.

Patnaik, Geeta (2021), *Positive psychology for improving mental health and well-being*, Notion press, New Delhi.

**Tea
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ology:**

1. Classroom Lectures and interactive session, library work, group discussion, paper and poster presentation, film shows, assessment and evaluation etc.

R Das

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☎: 6289482452 (Office)

Website: www.maheshtalacollege.ac.in

2. Special lectures by some of the best mind in the field.

Learning Outcomes:

1. Students will learn about the social problem as it exists in contemporary society and delineate and assess strategies for addressing social problems.
2. This course will create awareness about the social issues thus helping in creating conscious citizens, enhancing social equality and harmony, building a strong nation.
3. The scope of employability as policy analyst and policy maker in different government and non government organizations, activists and social worker and researcher.



Assessment Procedure:

- 1 Extempore, FM. 50 each students will be speak on a given topic from the curriculum for 10 minutes.
2. Project: F.M-50, each student will submit a project on any social issues from the curriculum.

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Exam Notice for Add on Course

Students are hereby notified that exam will be held for add on course

Assignment 1 (Extempore)(Date: 25/05/2022) Full Marks :50	Assignment 2 (Project)(Date: 26/05/2022) Full Marks : 50
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DEPARTMENT OF EDUCATION




**E-Saksham
BROCHURE**

Course Code- MC/AOC/EDU-ES/21-22

LEARN THE WAY TO SHOW YOURSELF.



E-Saksham is an Add-on course to learn about the way you engage yourself in video format. Creation of video and uploading it online is an economical...way to show oneself. This is an Thirty Four hours duration course. After completion of that course learner will get certificate by the assessing with two Practical projects of 50 marks.



CONTACT US

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Maheshtala College

education@maheshtalacollege.ac.in
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WHO WE ARE

The department of Education started its journey as a part of the general & honours course offered by Maheshtala College. More than 15 batches have already completed their honours degree from the department. At present department has five full time teachers.

COURSE CONTENT

- ⇨ Module-1: Video capturing
- ⇨ Module-2: Video editing
- ⇨ Module-3: YouTube channel creating
- ⇨ Module-4: Video uploading in YouTube
- ⇨ Module-5: Video uploading in Facebook
- ⇨ Module-6: YouTube live
- ⇨ Module-7: Facebook live



Vision of E-Saksham

Able...for...reorganization...oneself...through...the way of expressing inner quality & skill in video mode.

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DEPARTMENT OF ENGLISH



MAHESHTALA COLLEGE

BUSINESS ENGLISH AND CAREER SKILLS

AY: 2021-2022

Course code : MC/AOC/ENG-OFEC/21-22



DEPARTMENT OF ENGLISH

Email: english@maheshtalacollege.ac.in

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SYLLABUS: MODULES AND TIME DISTRIBUTION

THE COURSE WILL BE DIVIDED INTO 4 MODULES.

MODULE 1: LISTENING SKILLS

- IMPORTANCE
- COMPREHENSION
- ACCENT
- SUMMARISING
- RESTATING

MODULE 2: READING SKILLS

- BRITISH ENGLISH
- AMERICAN ENGLISH
- VOICE MODULATION
- INTONATION
- SKIMMING
- SYLLABLE
- SCANNING

MODULE 3: WRITING SKILLS

- EMAIL WRITING
- BUSINESS LETTERS
- APPLICATION
- CONTENT WRITING
- PROPOSAL WRITING
- REPORT WRITING
- CV WRITING
- NOTICE WRITING
- PRECIS-WRITING

MODULE 4: CASE STUDY

- Benefits and opportunities of Case Study Methods.
- Practising and developing Language
- Developing Business Communication
- Developing Managerial Skills

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ASSESSMENT

• At the end of the course, an oral-aural two hour examination of 100 marks will be held.

- Grammar - 25 marks
- Reading Skills - 25 marks
- Listening Strategies - 25 marks
- Writing - 25 marks



****After the successful completion of the course, the students will get a certificate, issued by the college.****



OUTCOMES

- After the successful completion of this course, a student will know basic business communication concepts and be able to answer basic questions in English.
- The course will help you develop listening skills. You will also understand, speak and write about meeting people, discuss careers you find interesting, talk about your daily schedule, home and family, and a lot more.
- This course will also help you learn various ways of communication in the professional world, such as writing news stories, discussing plans, making suggestions, and asking and giving advice.
- With this course, you will develop a deeper sense of English grammar and its practical use. You will learn to write the help of GDs, debates, role-plays, and various other spoken activities. You will learn to write effective emails, posts, reviews, and articles. You will be able to give impressive interviews and presentations and manage your career with soft skills.



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DEPARTMENT OF COMMERCE



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Add on course on
AN OVERVIEW OF INDIRECT TAX

Department of Commerce


INTRODUCTION

The Goods and Service Tax is the most talked about upcoming comprehensive Indirect Tax in our country submitting the major Indirect Taxes like Customs Duty, Excise Duty, Service Tax and Value added Tax. Goods and Service Tax is one Indirect Tax for the whole nation, which will make India one unified common market.

NEED OF INDIRECT TAX

Goods and Service Tax is simply the streamlining of various Indirect Taxes in order to avoid the effect of cascading so that the final cost to customer will go down. Introduction of GST to replace the existing multiple Tax structure of central and state taxes is not only desirable but imperative in the emerging economic environment.





Indirect Tax

OBJECTIVE OF THIS COURSE

This course helps you familiarize yourself with the basics of the new tax system – how and when it is levied, what are its various components, and the future implications.

COURSE STRUCTURE

The certificate course in Indirect Tax Method is an advanced level course and shall test a candidate's knowledge of various concepts of Indirect Tax along with the transitional issues.

Mode of Learning : Online
No. of Hours : 30 Hours
Purpose of Learning : To give sufficient practical knowledge

ATTENDANCE

Attendance of 80% is necessary to sit in the examination

ASSESSMENT

An online test / assignment will be conducted at the end of the course. In case the participant is unable to qualify the online test in his first attempt, he will be given two more attempt(s) to appear and qualify the online test in subsequent batches of the course. Nonappearance at the examination shall also be counted as an attempt.

COURSE CONTENT

- Goods and Service Tax (GST)
- Purchase Voucher with GST
- Sales Voucher with GST

ELIGIBILITY CRITERIA


The students of the Maheshtala College shall be eligible for the admission to the course.

REGISTRATION

The students interested to apply for the course shall apply online through www.maheshtalacollege.org

CERTIFICATION

The candidates successfully completing the course shall be awarded a Certificate to that effect in the appropriate form by Maheshtala College



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DEPARTMENT OF BENGALI

BROCHURE

MAHESHTALA COLLEGE Department of Bengali Add-On Course Bengali Stage and it's People : An Evaluative Study Course Code: MC/AOC/BNG-BS/21-22	COURSE TOPIC	BOOK LIST
Course Outcome <ul style="list-style-type: none">• Demonstrate understanding of the social and artistic movements that have shaped theatre as we know it today.• Apply discipline-specific skills to the creation of performance.• Analyze, and interpret texts and performances both in writing and orally.• Demonstrate knowledge of theatre and literature and draw connections between theatrical practices and social contexts in both modern and pre modern periods.• Practice collaborative skills in various theatrical contexts.• Develop and apply process skills in rehearsal, production and classroom settings.• Demonstrate problem-solving skills in the creation of artistic work.• Demonstrate proficiency in one or more area-specific skills: acting, directing, design, technical theatre, management, playwriting, or dramaturgy.	<ul style="list-style-type: none">• Historical Study of Bengali Drama.• Western Influence in Bengali Drama.• Drama and Its Theory.• Light-Sound-Action .• Contemporary School Of Thoughts.• Drama and Poetic Connections.• Drama : An Interpretation of Life• Drama and Female Persona in 19th Century Bengali Drama	<ul style="list-style-type: none">• Kakey Boley Natyokotha by Shambhu Mitra• Cyaligula by Sabyasachi Deb• Rabindranather Theatre by Bishnu Basu• Srutinatok Chitranatok by Amitava Bhattacharya• Greek Natok Shongroho by Sisir Kumar Das• Studio Theatre Kotha by Dr. Ashish Goswami• Natoker Shondhane by Pabitra Sarkar• Olkhondo Bongonatyer Shondhane by Angshuman Bhowmick• Bangla Shamajik Natoker Biborton by Asutosh Bhattacharya• Bangla Natyosahityer Itihash by Ajit Kumar Ghosh• Bangla Natok O Natyoshala by Sachin Sengupta• Bongorongomancha O Bangla Natok by Pulin Das• Bangla Natoker Dui Doshok by Prakash Dasgupta• Bangla Theatre Er Itihash by Darshan Chowdhury• Bangla Natoker Biborton by Sureshchandra Maitra
	FACULTY <ul style="list-style-type: none">• Dr. Suchandra Bhattacharyya(H.O.D)• Dr.Indrani Ghoshal• Prof. Lipi Halder• Dr. Monami Basu	
	Course Duration 30 Hours (Including Guest Lecture Session)	

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DEPARTMENT OF ECONOMICS

Flyer of Add-On Course

**Add-on Course
on
Indian Stock Market**

*Department of Economics
Maheshtala College*





If you are looking to quickly get started in the stock market then this may be the right course for you. This course is specifically designed for beginners so that they can find all the fundamental as well as technical analysis skills in one place.


"You never know what kind of setup the market will present to you, your objective should be to find an opportunity where the risk-reward ratio is best."



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Course Code: MC/AOC/ECO-ISM/21-22

Course Content

- Module-1: Introduction to Indian Stock Market
- Module-2: Basics of Economics
- Module-3: Introduction to Fundamental Analysis
- Module-4: Introduction to Risk Management
- Module-5: Option Trading Strategies
- Module-6: Introduction to Technical Analysis
- Module-7: Case Study



Our Vision

To equip the students with necessary Stock Market theoretical and practical know-how so that students can apply the same in researching equity markets for wealth creation and also to make a career in the Stock Market.

Course Duration
3 Months (40 Hours)
Live Online Sessions

Get in touch and find out how you can be part of the Indian Stock Market family.

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Add-On Course on 'Indian Stock Market'

Department of Economics

Maheshtala College

Course Content

Module-1: Introduction to Indian Stock Market (4 Hours)

Module-2: Basics of Economics (6 Hours)

Module-3: Introduction to Fundamental Analysis (6 Hours)

Module-4: Introduction to Risk Management (6 Hours)

Module-5: Option Trading Strategies (6 Hours)

Module-6: Introduction to Technical analysis (6 Hours)

Module-7: Case Study (6 Hours)

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LIST OF STUDENTS REGISTERED IN THE ADD ON COURSE

Session: 2021-22

Name of Department: Economics

Name of Course: Indian Stock Market

Course Code: MC/AOC/ECO-ISM/21-22

Sl. No.	Name of the students	Semester	Student Id	Signature
1.	Soumojit Das	III	MC_ECOG_2021-22_002	Soumojit Das
2.	Wahid Hassan Molla	III	MC_ECOG_2021-22_003	Wahid Hassan molla
3.	Arifan Nesha	III	MC_ECOG_2021-22_004	Arifan Nesha
4.	Baharun Khatun	III	MC_ECOG_2021-22_005	Baharun Khatun


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DEPARTMENT OF SANSKRIT

BROCHURE OF ADD ON COURSE



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ADHYAYANAPHALAM

-: LEARNING OUTCOME:-

To develop clear knowledge on the Comparative degree, Tarap and Iyasun suffixes are used after the words. On the other hand to grow knowledge on the Superlative degree, Tamap and Īṣṭhan suffixes are used after the words. So after learning these suffixes, the students would be able to understand the formation and meanings of the words like Śreṣṭha, Baliṣṭha, Balīyān, Jyeṣṭha, Varṣīyān, Priyatara, Priyatama, etc.

ADHYAYANAPHALAM

-: LEARNING OUTCOME:-

- The Taddhita Pratyayas (Taddhita suffixes) like Ṛñ , Añ, Phak, Dhak, Ṇyañ, Ṣyañ etc. are used as suffixes of the words. On learning these Taddhita suffixes the students would be able to know the meanings and uses of the words like Dāśarathi, Kāṣyapa, Kaurava, Pāndava, Śaiva, Aila, Kānīna, Gautama, Āditya etc.
- Some Taddhita Pratyayas (Taddhita suffixes) are denoted as Matvarthīya Pratyayas. The words like Jñānī, Guṇī, Pitr̥mān, Bhaktimān, Dhanavān, Ropavān, Phenila, Vatsala, Tapasvī, Dantura, Suśīla, Madhura, Tundila, Sītālu, Yaśasvī, Vāgmī etc. are formed with the Matyarthīya Pratyayas like Matup, Ini etc. Gaining knowledge on these Matvarthīya suffixes, students would be able to understand the meanings of those pre-mentioned words.

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NOTICE

DATE:15.11.2020

Students of the college are hereby notified that ONLINE ADD ON COURSES/ CERTIFICATE COURSE/ VALUE ADDED COURSE are being introduced for academic enrichment and better career prospects of students of the college. All Hons and General students of the college should enrol and attend these classes to be held after college hours . Students are to contact departmental teachers for class schedule and other details of Add on courses. The following courses are offered by each of the departments mentioned and brochures will be available in college website.

Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Certificate Course on Basic Digital Literacy	MC/CC/COMP-C/20-21	2020-2021	17.12.2020-17.04.2021	40 hours	90	90
Advance Human Rights studies	MC/AOC/PLSA/20-21	2020-2021	20.04.2021-23.05.2021	32 Hours	14	14
Counselling Psychology	MC/AOC/PHIL/20-21	2020-2021	26.04.2021-28.05.2021	32 Hours	7	7
Comparative Literature	MC/AOC/BNG/20-21	2020-2021	26.04.2021-31.05.2021	30 hour	17	17
Online Functional English	MC/AOC/ENG/20-21	2020-2021	10.04.2021-08.05.2021	32 Hours	21	18
Introduction to Latex and MatLab	MC/AOC/CMSA/20-21	2020-2021	10.05.2021-08.05.2021	36 hours	4	4
Geoinformatics	MC/AOC/GEO/20-21	2020-2021	16.03.2021-29.05.2021	40 hours	10	10
Communication Skills	MC/VAC/JOR1/20-21	2020-2021	16.03.2021-29.05.2021	6 months (50 Hours)	116	40



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DEPARTMENT OF GEOGRAPHY

Maheshtala College
Dept. of Geography

40 Hours Live
Online Addon
Course

Addon Course
Geoinformatics
2020-2021

ENROLL NOW.....

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Course Content

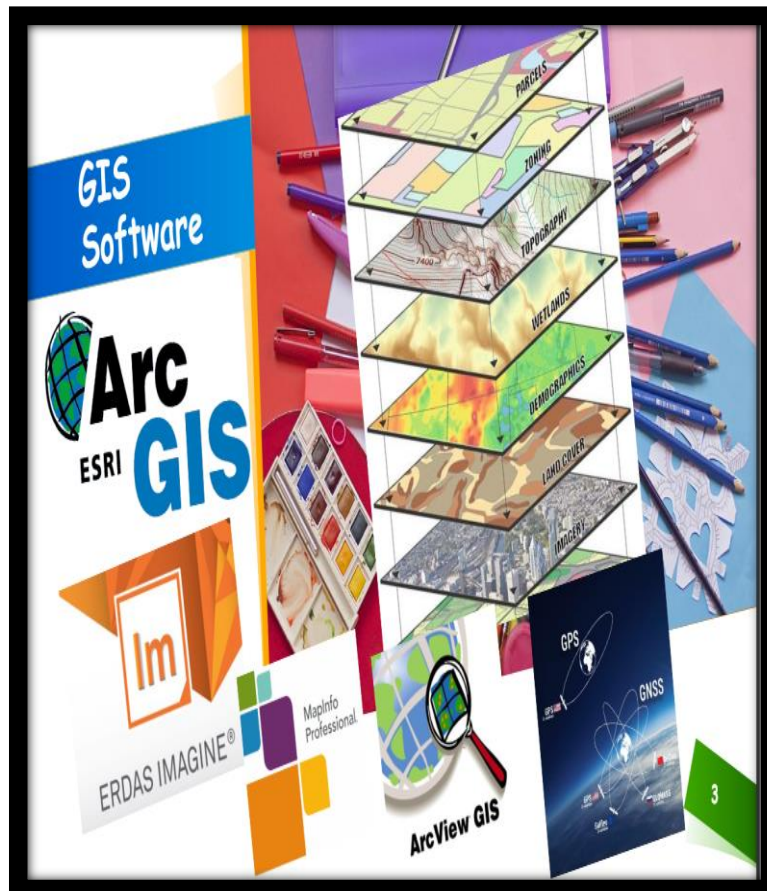
Geoinformatics has been described as "the science and technology dealing with the structure and character of spatial information, its capture, its classification and qualification, its storage, processing, portrayal and dissemination, including the infrastructure necessary to secure optimal use of this information" or "the art, science or technology dealing with the acquisition, storage, processing production, presentation and dissemination of geoinformation".

- Cartography
- Geodesy
- Global Navigation Satellite Systems
- Photogrammetry
- Remote Sensing
- Spatial Analysis
- Web mapping
- Navigation

TARGET PARTICIPANTS

This course is targeted for those who are interested to learn geoinformatics and its various applications.

2



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Programme Learning Outcomes

On completion of the course, participants are able to:

- Identify and explain principles, concepts, methods and techniques relevant for geoinformation processing and earth observation.
- Analyse problems and cases from a (geo) spatial perspective.
- Use and design models to simulate (or: study) processes in the system earth with a spatial component.
- Apply principles, concepts, methods and techniques in the context of system earth with a spatial application domain to solve scientific and practical problems.
- Explore the temporal and social context of geo-information science and technology and be able to integrate these insights in the scientific work.
- Explain and contrast cultural and contextual differences that influence the collection, classification and visualization of spatial information.
- Study in a manner that is largely self-directed and autonomous.
- Apply practical skills to carry out an independent final assignment (pilot project);
- Communicate and present results of the final assignment (pilot project).

4

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Go to Settings to activate Windows.

Faculty

Prof. Deepshikha Mutsuddi
Prof. Sanyukta Mukherjee

Prof. Tania Ghua
Dr. Deepa Bhattacharyya



5

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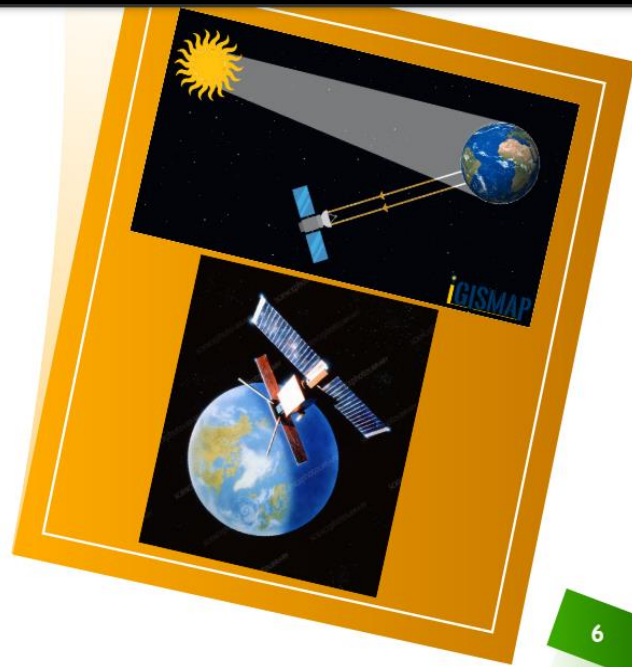
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Unit I: Concepts and Overview of Remote Sensing (Lecture 10)

Remote sensing: Definition, history and scope.
Overview of remote sensing systems:
Typical Remote Sensing system and its components, sensor resolution (Spatial, spectral, temporal and radiometric), Electromagnetic radiation (EMR) and Electromagnetic Spectrum (EMS): parts of electromagnetic radiation, theories of electromagnetic radiation, radiation laws, atmospheric windows. Interactions of EMR with atmosphere, interaction of EMR with earth's surface features; vegetation, water, and soils. Spectral signatures of common land-cover types and criterion of choosing spectral signatures.

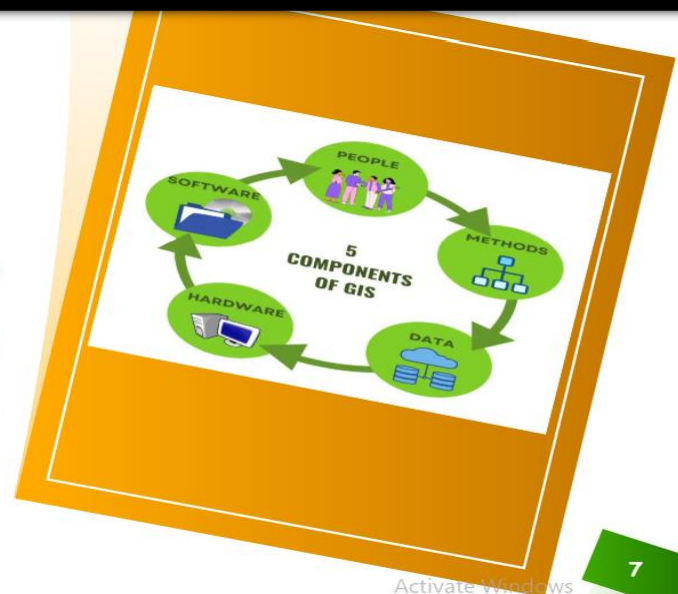


6

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Unit II: Sensors and Data Interpretation (Lecture 10)

Important satellite systems; LANDSAT, SPOT, IRS, MODIS, IKONOS, ASTER. Types of Scanners: OM Line scanners, CCD Line and Area scanners. Photogrammetry: types and characteristics of aerial photographs (scale, resolution, projection, overlaps), measurement of scale and height, relief displacement, stereoscopy. Stereo-imaging: principles, and sensors for stereo-imaging (ASTER). Principles of visual image interpretation:



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Unit III: Overview of GIS (Lecture 10)

GIS basics: Introduction, Definition, historical perspective, Components of GIS. Types of GIS. Concept of data/information and knowledge, Importance and Applications of GIS; Geographic data sources (Remote Sensing, GPS, Maps and Field observations). Spatial and non-spatial data: introduction, importance and integration



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Unit IV: Geospatial Data Analysis(Lecture 10)

Unit IV: Geospatial analysis: Introduction, vector-based analysis (Non- topological and topological functions with examples of each type), Raster based analysis (Local operations, neighbourhood operations, extended neighbourhood operations, regional operations with examples of each type).

Unit IV Practical : Tutorial and hands-on § Hands on Google Earth. § Creation of geospatial database of ground data pertaining to land use land cover § Process of Map Making

Seminar § Seminars and Group discussions on the topics pertaining to geomatics like Disaster vulnerability, Smart-city planning, resource assessment, glaciology etc.



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Books recommended:

- Burrough, P. A. 1996. Principles of Geographic Information Systems for land resources assessment, Oxford: Clarendon Press.
- Demer, Michael, N. 2000. Fundamentals of Geographic Information Systems, JW and Sons.
- Chang, K. 2004. Introduction to GIS, McGraw-Hill, Dubuque, Iowa.
- Clarke, K. C. 2003. Getting Started with Geographical Information Systems, Prentice Hall, Upper Saddle River, New Jersey.
- De Mers, M. N. 2002. Fundamentals of Geographic Information Systems. John Wiley and Sons, New York.
- Chrisman, N. 2002. Exploring Geographic Information Systems, J W and Sons

- Laurini, R., & Thompson, D. 1992. Fundamentals of spatial information systems. Academic press. London.
- Longley, Paul A., M.F. Goodchild, D.J. Maguire, and D. W. Rhind 2005. Geographic Information Systems and Science, John Wiley and Sons, New York.
- DeMers, Michael N 2008. Fundamentals of geographic information systems, John Wiley & Sons Richard K. Brail, and Richard E. Klosterman 2001. Planning Support Systems: Integrating Geographic Information Systems, Models, and Visualization Tools, ESRI Press.
- Lo, C. P. & Yeung, A. K. 2007. Concepts and techniques of geographic information systems, Pearson Prentice Hall.

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DEPARTMENT OF COMPUTER SCIENCE

BROCHURE OF ADD ON COURSE

Course Code: MC/AOC/CMSA/20-21

INTRODUCTION TO LATEX AND MATLAB



ORGANIZED BY
DEPARTMENT OF COMPUTER SCIENCE
MAHESHTALA COLLEGE

:- Course Objectives :-

This course aims to provide a comprehensive theoretical foundation and hands-on practice with LaTeX and Matlab. Latex is useful for preparing project reports, research articles, thesis, presentations whereas Matlab is useful for importing datasets for analysis, datasets plotting, reproducible analysis reports etc. Especially it will be useful for beginners in documentation and coding.

Learning Outcomes:

Latex:

1. explain and use TeX and LaTeX
2. install and use MikTeX
3. write mathematical documents via LaTeX
4. write documents containing mathematical formulas
5. writes articles in different journal styles
6. Customize LaTeX documents

Matlab:

1. Able to use Matlab for interactive computations.
2. Familiar with memory and file management in Matlab.
3. Able to generate plots and export this for use in reports and presentations.
4. Able to program scripts and functions using the Matlab development environment.
5. Able to use basic flow controls (if-else, for, while).

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Website: www.maheshtalacollege.ac.in

Faculty Member:

1. Prof. Satyajit De, M.Tech, MCA, M.Sc (Math)
2. Prof. Barun Biswas, M.Sc
3. Prof. Payel Rakshit, M.Sc
4. Prof. Sujata Ray, M.Tech

Examination

Theory/Viva Exam – 50 Marks, 1 hour duration.
Practical Exam – 50 Marks, 1 hour duration.

Total duration of the course is 36 hours and after successful completion of the course, the students will get a certificate, issued by the college.

	numbering, List of figures, List of tables, Generating index.		
2	Packages: Geometry, Hyperref, amsmath, amssymb, algorithms, Algorithmic graphic, color, tilez listing.	3	Barun Biswas
	Classes: article, book, report, beamer, slides. IEEtran.	2	Sujata Ray
	Applications to: Writing Resume Writing question paper Writing articles/ research papers	3	Satyajit De
	Theory, Practical and exercises based on the above concepts.	1	Barun Biswas

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Syllabus for Matlab (16 Hours)

Module Number	CONTENT	HOURS	Teacher's Name
3	Introduction to MATLAB, Creating Variables Some Useful MATLAB Functions ,Data Types	1	Payel Rakshit
	Plotting: Introduction to Arrays, Graphing ,Graphing Functions Using MATLAB	2	Satyajit De
	Input / Output Statements	1	Sujata Ray Dey
	Conditional Statements: Logical Operators Conditional Statements: if, else, and elseif Conditional Structures: Switch	2	Barun Biswas
4	Loops: Repetition Structure: Introduction to Loops Rep etition Structure: For Loops Repetition Structure: While Loops	3	Payel Rakshit
	Nested loops: Nested Loops and the Break Statement	3	Sujata Ray Dey
	Arrays: Concept of array implementatin Array Functions	4	Satyajit De

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Curriculum:

❖ Syllabus for LaTeX (20 hours)

Module Number	CONTENT	HOURS	Teacher's Name
1	Installation of the software LaTeX	1	SD
	Understanding Latex compilation Basic Syntax, Writing equations, Matrix, Tables	2	BB
	Page Layout – Titles, Abstract Chapters, Sections, References, Equation references, citation.	4	PR
	List making environments Table of contents, Generating new commands, Figure handling numbering, List of figures, List of tables, Generating index.	4	BB
2	Packages: Geometry, Hyperref, amsmath, amssymb, algorithms, Algorithmic graphic, color, tilez listing.	3	BB
	Classes: article, book, report, beamer, slides. IEEtran.	2	SR
	Applications to: Writing Resume, Writing question paper Writing articles/ research papers	3	SD
	Theory, Practical and exercises based on the above concepts.	1	BB

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8. Syllabus for Matlab (16 hours)

Module Number	CONTENT	HOURS	Teacher's Name
3	Introduction to MATLAB, Creating Variables Some Useful MATLAB Functions ,Data Types	1	PR
	Plotting: Introduction to Arrays, Graphing ,Graphing Functions Using MATLAB	2	SD
	Input / Output Statements	1	SR
	Conditional Statements: Logical Operators Conditional Statements: if, else, and elseif Conditional Structures: Switch	2	BB
4	Loops: Repetition Structure: Introduction to Loops Repetition Structure: For Loops Repetition Structure: While Loops	3	PR
	Nested loops: Nested Loops and the Break Statement	3	SR
	Arrays: Concept of array implementation Array Functions	4	SD

Examination:

Theory: 1 hour

Practical: 1 hour

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HUMAN RIGHTS



Advanced Human Rights Studies

(Session- 2020-21)



Maheshtala College
Department of Political Science
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Objectives of the Course:

To critically analyze the historical evolution of human rights and their contemporary relevance

8. To understand the international legal framework for the protection of human rights
9. To examine the role of civil society organizations, governments, and international institutions in promoting and protecting human rights
10. To analyze the relationship between human rights and other issues such as poverty, gender, and discrimination



11. To develop the skills necessary to analyze, advocate for, and defend human rights in different contexts

Faculty: Dept. of Political Science

1. Sanjibita Mondal, M.A. M.Phil. Assistant Professor. Department of Political Science. Maheshtala College. 9830472198 Email id- mondalsanjibita@gmail.com



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2. Ranajit Das M. A., M.Phil Assistant Professor
Department of Political Science
Phone: 7003459156 E-Mail: ranajit.mc16@gmail.com



3. Asis Naskar M.A., M.phil. SACT Department
of Political Science Mob No-9674836280
Email asisnaskar3@gmail.com



Course Curriculum:

Total duration of the course 32
hours Duration per class 1 hours

Time: 7pm-9pm

Course Outline:

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Unit 1: Introduction to Human Rights

6. Historical evolution of human rights
7. The Universal Declaration of Human Rights and other international legal frameworks
8. The universality and cultural relativism debate

Unit 2: Human Rights and International Law

9. International human rights law and its institutions
10. The role of the United Nations and other regional organizations
11. The relationship between human rights and international criminal law

Unit 3: Human Rights and Civil Society

12. The role of civil society organizations in promoting and defending human rights
13. The role of media and technology in raising awareness and advocating for human rights
14. The challenges and opportunities of transnational advocacy networks

Unit 4: Human Rights and Other Issues

15. Poverty and human rights
16. Gender and human rights
17. Discrimination and human rights

Unit 5: Human Rights in Practice

18. Case studies of human rights violations and responses
19. Human rights advocacy and activism
20. The role of human rights defenders and protection mechanisms

Assessment:

- 2 hours

7. Class participation and discussion (20%)
8. Viva (40%)
9. Final research project or paper (40%)

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This add-on course curriculum could be used in conjunction with existing courses on human rights, or as a standalone course for students interested in a more in-depth exploration of the topic. It is designed to provide students with a solid foundation in the theory and practice of human rights, as well as the skills necessary to engage in human rights advocacy and activism. Teaching methodology:

1. Classroom Lectures and interactive session , library work, group discussion, paper and poster presentation , film shows, assessment and evaluation etc.
2. Special lectures by some of the best mind in the field.

Learning Outcomes:

3. Students will learn about the social problem as it exists in contemporary society and delineate and assess strategies for addressing social problems.
4. This course will create awareness about the social issues thus helping in creating conscious citizens, enhancing social equality and harmony, building a strong nation.
5. The scope of employability as policy analyst and policy maker in different government and non government organizations, activists and social worker and researcher.

Reference –

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5. "Human Rights and Social Justice in a Global Perspective: An Introduction to International Social Work" by Susan C. Mapp (Oxford University Press, 2014)
6. "The History of Human Rights: From Ancient Times to the Globalization Era" by Micheline R. Ishay (University of California Press, 2000)
7. "The Globalization of Human Rights" by Jean-Marc Coicaud, Michael W. Doyle, and Anne-Marie Gardner (Cambridge University Press, 2003)
8. "Human Rights: A Very Short Introduction" by Andrew Clapham (Oxford University Press, 2019)
9. "The Idea of Human Rights" by Charles R. Beitz (Oxford University Press, 2019)
10. "The Future of Human Rights" edited by Paul Gready and Wouter Vandenhole (Cambridge University Press, 2018)
11. "Human Rights and Social Justice: Social Action and Service for the Helping and Health Professions" by Joseph Wronka (Sage Publications, 2018)
12. "Human Rights: Politics and Practice" by Michael Goodhart (Oxford University Press, 2016)
13. "Human Rights and Humanitarian Intervention: An International Relations Perspective" by Andrea Birdsall (Cambridge University Press, 2019)
14. "The Human Right to Health" edited by Stephen P. Marks (Oxford University Press, 2012)

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DEPARTMENT OF ENGLISH



MAHESHTALA COLLEGE

Department of English

Add-On Course on 'Online Functional English'

COURSE DURATION
32 HOURS



Topics to be Covered

Reading

Pronunciation
Modulation
Scanning

Listening

Comprehension
Simple Narratives
Speech
Questions



Writing

Report
Letter
Bio-Data
Curriculum Vitae

Speaking

Basic Communication
speaking on Topic
Group Discussion



Certificates Will be provided
at the end of the Course

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DEPARTMENT OF PHILOSOPHY

Counseling Psychology

ADD ON COURSE



Department of Philosophy
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Counseling Psychology

Objectives & Outcomes of the Course

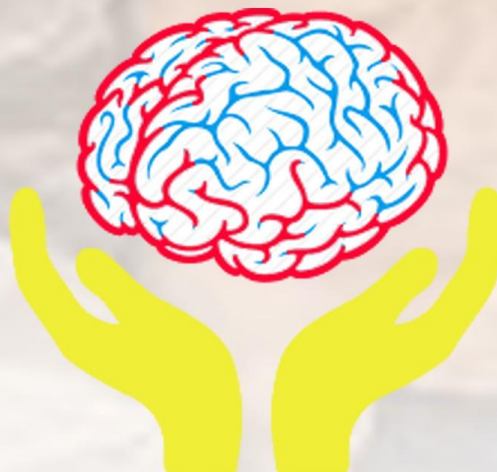
Objectives of this course are:

- ❖ To help the students obtain knowledge and skills in the discipline of counseling psychology and obtain knowledge and informations of careers in mental health work.
- ❖ To enable students to acquire competencies in Assessment skills, Research skills, Personal development, Counseling/Therapy skills, Development of ethical behavior and value systems.
- ❖ To provide an opportunity for students to develop self-awareness, ethical awareness and professional attitudes and behaviors in all aspects of their lives and works.
- ❖ To enable them to understand themselves and others better, to work on their personal, interpersonal, educational, vocational development issues.

Outcomes of the course:

On successful completion of this course, students should be able to:

- ❖ Comprehend, articulate and critically evaluate psychological systems of thought as well as explain and influence human behaviors.
- ❖ To recognize and respect different value systems.
- ❖ To make critical decisions regarding alternative courses of action with self-awareness, to explore their feelings, beliefs and behaviors to set personal goals and work toward desired changes.
- ❖ To increase coping capacity and efficacy to deal with different life issues such as-managing stress, anger, depression, anxiety, academic difficulties, adjustment concerns, relationship challenges, career changes etc. and to help others deal with such issues.



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Syllabus of Counselling Psychology

Module – 1

Total no of lectures – 8 (1hr each)

Fundamentals of Psychology:

1. Definition and Methods of Psychology
2. Sensation & Perception
3. Attention
4. Learning & Memory
5. Emotion
6. Intelligence
7. Personality
8. Topographic and Structural view of Mind

Module – 2

Total no of lectures – 8 (1hr each)

Mental health and Psychopathology

1. Mental health and mental illness
2. Types of disorder:
 - ❖ Anxiety disorder
 - ❖ Obsessive compulsive disorder
 - ❖ Mood disorder
 - ❖ Schizophrenia
 - ❖ Personality disorder
 - ❖ Neurocognitive developmental disorder

Module – 3

Total no of lectures – 8 (1hr each)

Counselling and Psychotherapy

1. Concepts, process and techniques
2. Different ethical issues in Counselling

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Module – 4

Total no of lectures – 8 (1hr each)

Types of Counselling :

- ❖ Psychoanalytic
- ❖ Behavioural
- ❖ Existential

Practicum: Role playing and case studies

At the end of the course assessment will be done.

Suggested Books

- ❖ A Text book of Psychology by P. N. Bhattacharya
- ❖ Abnormal psychology and Modern life by Coleman
- ❖ Counselling and Psychotherapy: Theories and Interventions by David Capuzzi and Douglas Gross
- ❖ Mental health, Mental Disorder and Psychotherapy by Dr. Jagadindra Mondol
- ❖ মনোবিদ্যা – সমরেন্দ্র ভট্টাচার্য
- ❖ মনোবিদ্যা – প্রীতিভূষণ চট্টোপাধ্যায়
- ❖ মানসিক স্বাস্থ্যবিজ্ঞান- ডঃ জগদীন্দ্র মন্ডল
- ❖ মনোদর্শন: শরীরবাদ ও বিকল্প – ডঃ মানবেন্দ্রনাথ মিত্র, অমিতা চ্যাটার্জী ও প্রয়াস সরকার
- ❖ মানসিকরোগ ও সাইকোথেরাপি – ডঃ দেওয়ান ওয়াহিদুল নবী

Faculty Members

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KAILASH MAHATA, M.A., M.Phil.(Philosophy)

State Aided College Teacher (SACT), Department of Philosophy

E-Mail: kailash.mahata.ju@gmail.com

Other Trained Guest Faculty

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DEPARTMENT OF BENGALI

Brochure :

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DEPARTMENT OF BENGALI

ONLINE ADD ON COURSE

COMPARATIVE LITERATURE

Course Outcome

1. Social Awareness and Cultural Understanding / Global Consciousness: CWL students will develop a comparative understanding of national literatures in the context of a globalizing world, and an ability to situate texts in their cultural and historical contexts.

a. Measurable by: analysis of student work samples; degree progress and course completion; focus groups; course syllabus comparison.

2. Intellectual Reasoning and Knowledge: CWL students will appreciate the aesthetic qualities of literary texts and develop an awareness of influential critical and interpretive methods.

a. Measurable by: analysis of student work samples; degree progress and course completion; focus groups; course syllabus comparison.

3. Intellectual Reasoning and Knowledge: CWL students will demonstrate a general understanding of the conventions of literary genres and of the major developments in literary history.

a. Measurable by: analysis of student work samples; degree progress and course completion; focus groups; course syllabus comparison.

4. Creative Inquiry and Discovery: Students will demonstrate ability to express oneself orally and in writing in a clear, coherent and persuasive manner, and to construct an interpretive argument.

a. Measurable by: analysis of student work samples; focus groups.

5. For Comparative Literature concentration only: Students will demonstrate mastery of at least two languages.

a. Measurable by: participation in 200-400 level courses in the original language; degree progress and course completion.

COURSE TOPIC

1. Sri Krishnakirtan and Gitgovindam
2. Bhakti Literature
3. Bouddha Jataka and Malini Drama
4. Padma Nadir Majhi and Chingri
5. Translation Studies
6. Dalit Literature
7. Visva Sahitya
8. Palanka - Tobatek Singh

FACULTY

Dr. Suchandra Bhattacharyya (H.O.D.)

Dr. Indrani Ghoshal

Prof. Lipi Halder

Dr. Monami Basu

COURSE DURATION

30 hours
(Including Guest Lecture Session)

Book List

1. Srikrishnakirtan Kavya ed by Shri Amitrasudan Chakraborty.
2. Kabi Jayadev o Shri Gitagobinda by Shri Harekrishna Mukhopadhyay.
3. Bharatia Bhakti Sahitya by Bishnupada Bhattacharya.
4. Garambir Babu by Narayan Pendse
5. Hansuli Banker Upokatha by Tarashankar Bandopadhyay.
6. Malini by Rabindranath Tagore
7. Abadansatak by Kalyanishankar Ghatak.
8. Palibhasa- Sahitya Bouddhadarshan o Rabindranath by Shri Radharaman Jana.
9. Padmanadir Majhi by Manik Bandopadhyay .
10. Chingri by Thakazi Sivashankara.
11. Introducing Translation Studies by Jeremy Munday.
12. Dalit Literature and Criticism by Raj Kumar.
13. Chandal Jibon by Manoranjan Byapari.
14. Visva-Sahitya by Rabindranath Tagore.
15. Toba Tek Singh by Sadat Hassan Manto.

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Kolkata-7000139





MAHESHTALA COLLEGE

BUDGE BUDGE TRUNK ROAD, MAHESHTALA, KOLKATA – 700139
E-mail: maheshtalacollege@yahoo.com/principal.maheshtalacollege@gmail.com

☎: 6289482452 (Office)

Website: www.maheshtalacollege.ac.in

CERTIFICATE COURSE ON BASIC DIGITAL LITERACY

CERTIFICATE COURSE ON BASIC DIGITAL LITERACY

Department of Computer Science

MAHESHTALA COLLEGE



FACULTY MEMBERS

- Prof. Satyajit De
- Prof. Barun Biswas
- Prof. Payel Rakshit
- Prof. Sujata Ray Dey

Course Outcome:

This certificate course helps students to build a brighter future by empowering them with:

1. Basic Essential Computing skills companies are looking for.
2. Hands-on Practical Knowledge.
3. Boosting their resume.
4. Providing valuable experience and confidence.
5. Helping them in pursuit of higher education or a successful career.

R Das

DR. RUMPA DAS
Principal
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SYLLABUS

- **Computer Fundamentals:**
- Fundamental concepts; Basic Applications of Computer; Brief history of Computers, Components of Computer; Concept of Hardware and Software; Basic idea on Operating System and application; Basic idea about Windows; How to change Wallpaper/screen saver; Folder creation, rename, deletion; How to change date and time; Discussion on Start-up bar, start menu, etc.; File management.
- **Word Processing using MS-Word:**
- Document creating, saving, editing; Formatting and editing text and paragraphs; Header and Footers; Inserting and formatting clipart, tables, images, shapes, chart, hyperlink, date and time, equation, symbol, watermark; Mail merge; Margin setting; Page setup; References; Spelling and grammar checking.
- **Spread sheet using MS-Excel:**
- Workbook, worksheets, cell; address; entering, editing, formatting, filtering, sorting worksheet data; printing; charts; functions and formula; importing, exporting files.
- **Presentation using MS-Powerpoint:**
- Slides; formatting; wizard, layout; word art; animation.
- **Basic knowledge of Internet:**
- How to access/Use the Internet; Creating and using Email; Using social media;
- **Introduction to Web Design using HTML:**
- Web page design by using HTML, Basic HTML Tags, Head Tags, Title Tags, How to create simple Web page, How to format text, Create Table, Adding Web link and Images, Forms, Adding styles and classes to web pages, Borders and Background, Adding Video and Graphics.
-

RDas

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Swayam and NPTEL Local Chapter



<https://nptel.ac.in>

To Register in Course : Local Chapter – Yes
(Select Maheshtala College)

<https://nptel.ac.in/courses>

Welcome to Swayam-NPTEL
Enhance skills that meet your need online

NPTEL Online Certification Courses
NPTEL is a program of IITs initiated by 7 IITs along with the IISc, Bangalore in 2003, to provide quality education to anyone interested in learning from the IITs.

July - Dec 2023 - [FINAL COURSE LIST](#)
ENROLLMENTS ARE OPEN FOR JULY 2023!

Explore Courses

NPTEL - Most Enterprises & Most Viewed

LOCAL CHAPTER SPOC WORKSHOP

1.4 Billion+ views,
4 Million+ YouTube subscribers,
2500+ unique courses available for self study.

Online Learning Initiatives by IITs and IISc
funded by MoE, Govt. of India

2.7 crore+ enrollments
23.8 lakhs+ exam registrations
5200+ LC colleges
4707 MOOCs completed
91+ industries/sponsorships

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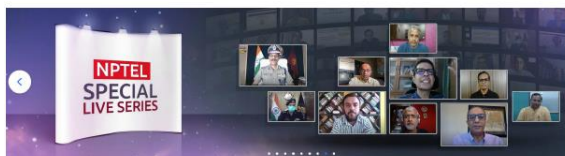
Enrollment for 690+ courses for the Jul - Dec 2023 semester is open now!

How to enroll (join) in a course
 Please go to this link to join for courses that you/students are interested in: <https://onlinecourses.nptel.ac.in/>

KINDLY ALERT YOUR STUDENTS/FACULTY TO FOLLOW THESE IMPORTANT STEPS:

- Learners have to say **YES** to the question 'Are you part of a Local Chapter'
- Choose the correct college name from the dropdown. This is very important; else the learner will not be tagged to your college
- Students choose the Profession as **'Student'**
- Faculty choose the Profession as **'Faculty' (Not Employed)**
- Use the **same email id** for enrolling to courses & exam registration. Assignments submitted through one mail id & exam registered through another mail id will not be accepted.
- NEW: Please note that the exam registration for the 12 week courses will be closed along with the set one 4wk and 8wk courses.**

TIMELINE	4 Weeks (SET 1)	8 Weeks (SET 1)	12 Weeks	4 Week
Start of Course	July 24, 2023	July 24, 2023	July 24, 2023	August
End of Course	August 18, 2023	September 15, 2023	October 13, 2023	September
Exam Dates - 1	Sep 24, 2023 - 2 Sessions on each date (8am-12 noon; 2pm-5pm)		Oct 28/29, 2023 - 2 Sessions on each date	
Open enrollment to the Course	Enrollments are open now!			
Close enrollment to the Course	July 31, 2023 - 5pm			
Open exam registration form	Will be announced soon			
Close exam registration form	Aug 18, 2023 5:00 PM			
Course ID	Discipline	Course Name	SME Name	Institute
vo23-ae08	Aerospace / Mechanical Engineering	Elements of Mechanical Vibration	Prof. Ashish K Datta	IITD
vo23-ae09	Aerospace Engineering	Aircraft Stability And Control	Prof. A.K.Chosh	IITK
vo23-ae10	Aerospace Engineering	Introduction To Airplane Performance	Prof. A.K.Chosh	IITK
vo23-ae11	Aerospace engineering	Introduction To Airbreathing Propulsion	Prof. Ashish De	IITK
vo23-ae12	Aerospace Engineering	Design Of Fixed Wing Unmanned Aerial Vehicles	Prof. Subrahmanyam Sankar	IITK
vo23-ae13	Aerospace Engineering	UAV Design - Part II	Prof. Sankar Subrahmanyam	IITK
vo23-ae14	Aerospace Engineering	Introduction To Aerospace Engineering-Flight	Prof. Rajkumar Pant	IITB
vo23-ae15	Aerospace engineering	Introduction To Aircraft Design	Prof. Rajkumar Pant	IITB
vo23-ae16	Aerospace Engineering	Space Flight Mechanics	Prof. Manoranjan Sinha	IITKGP
vo23-ae17	Aerospace Engineering	Vibration And Structural Dynamics	Prof. Mira Mitra	IITKGP
vo23-ae18	Aerospace Engineering	Aerodynamic Design Of Axial Flow Compressors & Fans	Prof. Chetan Kumar Sureshbabu Mishra	IITKGP
vo23-ae19	Aerospace Engineering	Smart Structures	Prof. Mohammed Rabius Sunny	IITKGP



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Turbocharged by MoE, Govt. of India

2.7 crore+ enrollments, 23.8 lakhs+ exam registrations, 5200+ LC colleges, 4707 MOOCs completed, RnI Industry associates.

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IIT Bombay



IIT Delhi



IIT Kanpur



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