

# BHAIRAB GANGULY COLLEGE

Belgharia, Kolkata, West Bengal 700056

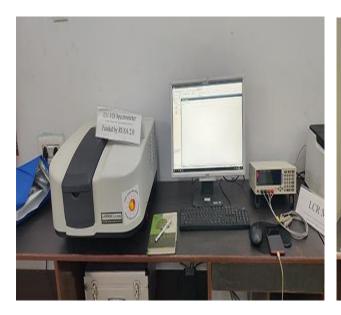


THIRD CYCLE NAAC ACCREDITATION 2023

**CRITERION 3:** Research, Innovations and Extension

3.2.1. Supporting documents

UV-Vis Spectroscopy, Cooling Centrifuge and FTIR Spectroscope funded by RUSA 2.0 in Sir J. C. Bose Central Research Unit







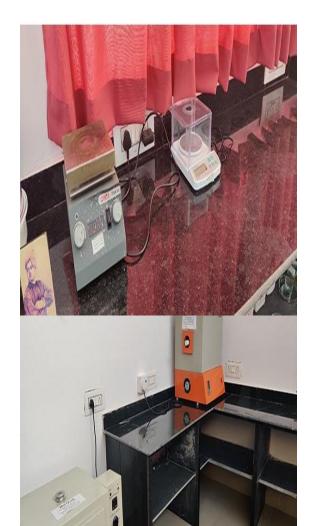


Equipments funded by Major Project funded by Dept. of Science & Technology & Biotechnology, Govt. of west Bengal and UGC Minor Research Project awarded to Dr. Debabrata Bhadra.

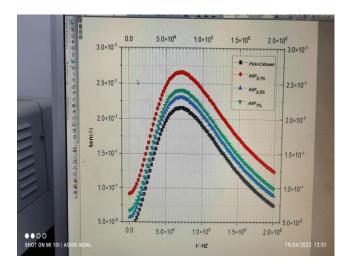












#### Empanelment letters of Ph.D supervisors of four faculty members by West Bengal State University







#### West Bengal State University

Berunanpukuria, Malikapur, Barasat, 24 Parganas (North), Kolkata - 700 126 Ph.: 2524-1975 / 1976 / 1977 / 1978 / 1979 Fax : (033) 2524-1977

Ref. WBSU/Reg/Supervisor/932/18

Date . 10.09.18

Registrar(Officiating) West Bengal State University

Dr. Debabrata Bhadra Assistant Professor Bhairab Ganguly College Belghoria.

This is to inform you that as per recommendation of the Board of Research Studies in Physics, W.B.S.U. Into its meeting held on 17.07.2018, the Horble Vice Chancellor is pleased to approve you for empanelment as a Supervisor in the Department of Physics for the M Phil/ Ph D. programme of the University The Convener of the Board of Research Studies in Physics, W.B.S.U., will contact you from time to time about allotment of Scholars under your supervision.

Thanking you.

Yours faithfully,

Registrar(Officiating) West Bengal State University

West Bengal State University Berunanpukuria, Matikapur, Barasat, 24 Pargar Kolkata - 700 126 Ph.: 2524-1975 / 1976 / 1977 / 1978 / 1979 Date 17.04,2019 Ref WBSU/Reg/Supervisor/2011/19 Dr. Surajit Sengupta Assistant Professor, Department of Commerce Bhairab Ganguly College. Dear, Sir

This is to inform you that as per recommendation of the Board of Research Studies in Commerce
Management, W.B.S.U, in its meeting held on 25.05.2018, the Horbie Vice Chancellor is pleased
approve you for empanchement as a Supervisor in the Department of Commerce & Management for the
M Phil/ Ph D. programme of the University The Convener of the Board of Research Studies
Commerce & Management, W.B.S.U, will contact you from time to time about allotment of Scho
under your supervision. Thanking you.



#### REPUBLIC OF SOUTH AFRICA

#### REPUBLIEK VAN SUID AFRIKA

#### PATENTS ACT, 1978

## CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

SOM, SUBHRANIL; BATRA, ITI; JAIN, SEEMA NATH; BHARDWAJ, ABHISHEK

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

#### 2022/00093

a copy of the complete specification is annexed, together with the relevant Form P2.

thereof, the seal of the Patent Office has been affixed at Pretoria with effect

from the 25th day of May 2022

Registrar of Patents



Dr. Neepa Banerjee of Food & Nutrition receiving AEA 2021-22 from Prof. D.P. Mukherjee, Assistant Director ISI and Governing Body member



Dr. Rupa Shaw Sanyal of Botany receiving AEA 2021-22 from Prof. D.P. Mukherjee, Assistant Director ISI and Governing Body member

#### Academic Excellence Award 2021



Dr. Debabrata Bhadra of Physics receiving AEA 2020-21 from Prof. S.Som, Principal and Governing Body member CA Srikumar Banerjee



Dr. Masoom Hassan Ansari of Urdu receiving AEA 2020-21 from Prof. S.Som, Principal and Governing Body member CA Srikumar Banerjee



Shrinwantu Raha of Geography receiving AEA 2020-21 from Prof. S.Som, Principal and Governing Body member CA Srikumar Banerjee

## **BHAIRAB GANGULY COLLEGE**



(Government Aided)

'A' Accredited Institute by NAAC

Belgharia, Kolkata-700 056

Phone: (033) 2553 2280 / (033) 2564 3191

E-mail: principal.office@bhairabgangulycollege.ac.in

bhairab1968@gmail.com

Website: www.bhairabgangulycollege.ac.in

	-Burl coneBerne		
Ref. No	Date		
1878/Seed Grant/RKG/2022	15/03/2022		
To, Dr. Rumdeep Kaur Grewal Assistant Professor, Department of Botany			
Sub: Release of Seed Grant in Lif	e Science 2021-2022		
Madam,			
We are happy to inform you that Research Monitoring Cell has approved your project proposal entitle "Changes in rice leaf morphology under mineral nutrient stress". College committee has also approve an allocation of Rs 25,000 (twenty-five thousand) for the project.			
The date of implementation will be the date of receipt of s will be two years.	sanctioned amount and the tenure of project		
You are requested to submit two copies of your annual repended to the undersigned.	ports along with Utilization Certificate (format		
With best wishes.			
4.			
Prof. (Dr.) S.Som			
Principal Principal BHAIRAB GANGULY COLLEGE Belgharia, Kolkata-56			

Sanctioned letters of SEED Grant awarded to Sri Arnab Ghosal in literature, Dr. Santanu Chakraborty in Social Science in the academic session 2018-19

#### **BHAIRAB GANGULY COLLEGE**

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'A' Accredited Institute by NAAC
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E - mail: bhairab1968@gmail.com
Website: www.bhairabgangulycollege.ac.in



Date: 16/02/2018

Ref. No. 1317/Seed Grant BGC/GJ/18

Date: 16/02/2018

To, Sri Arnab Ghosal Assistant Professor of Sanskrit

Sub: Release of Seed Grant under the scheme of 'Suvanna Jayanti Research Grant' in *Literature* in the year 2016-17

Sir

We are happy to inform you that the Review Committee has approved the proposal of College sponsored Research Project as per the recommendations of the one man expert committee headed by Dr. Niladri Sankar Banerjee, Retd. Associate Professor, Dept. of Sanskrit, BGC. The College committee for the same has also approved an allocation of Rs. 25000/- for the project as per details.

The date of implementation will be the date of receipt of the sanctioned amount by the college and the tenure of the Project will be for one year for the subject.

You are requested to submit two copies of your report alongwith the Utilization Certificate (format enclosed) to the undersigned on With best wishes.

Dr. Sanjit Kumar Das Vice Principal

Vice Principal Bhairab Ganguly College Belgharia, Kolkata - 56 Ref. No. 1318 | Seed Grant 1890 c | GJ | 18
To,
Dr. Santanu Chakraborty

Assistant Professor of Economics

Sub: Release of Seed Grant under the scheme of 'Suvama Jayanti Research Grant' in Social Science and Humanity in the year 2016-17

Sir

We are happy to inform you that the Review Committee has approved the proposal of College sponsored Research Project as per the recommendations of the one man expert committee headed by Dr. Swati Ghosh, Professor, Dept. of Economics and Director, Women's Study Centre, RBU. The College committee for the same has also approved an allocation of Rs. 30000/- for the project as per details.

The date of implementation will be the date of receipt of the sanctioned amount by the college and the tenure of the Project will be for one year for the subject.

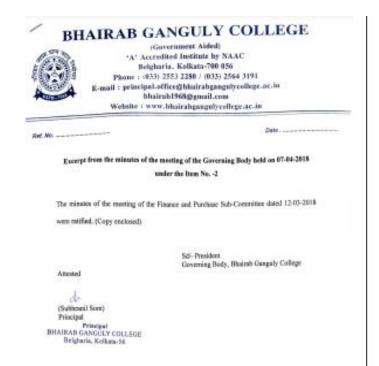
You are requested to submit two copies of your report alongwith the Utilization Certificate (format enclosed) to the undersigned on completion of the project.

With best wishes.

Dr. Sanjit Kumar Das Vice Principal

Vice Principal Bhairab Ganguly College Belgharia, Kolkata - 56

Received a Copy of the same Socilanu Chaktabout 20/02/2018



#### BHAIRAB GANGULY COLLEGE

Mirrates of the mosting of Finance and Purchase Sub-Committee held on 12-43-2618

Members present:

Dr. Sanjit Kr. Dus, Dr. Rajesh Koner (J.S. Students' Union. CA Srikumar Banerjee Dr. Debebrata Bhadra

Dr Niladrisankar Banerjer Sri Bissvanath Dey

Considering the letter regarding the Women's Studies Unit, the Finance Committee
has approved the same and advised that expenditure in the study Unit should be made
upon justification of the titled head.

Attested by

(Subhranii Sore) Principal

Principal BHAIRAB GANGULY COLLEGE Belgheria, Kelketa-36





Sanctioned letters of SEED Grant awarded to Dr. Debabrata Bhadra in Pure Science in the academic session 2018-19 and the Cover Page of submitted SEED Grant Project by Dr. Avijit Sarkar for the academic session 2016-17

### BHAIRAB GANGULY COLLEGE

(Government Sponsored)
'A' Accredited Institute by NAAC Belgharia, Kolkata - 700056

Phone: (033) 2553 2280 / (033) 2564 3191 E - mail : bhairab1968@gmail.com

Website: www.bhairabgangulycollege.ac.in



Mononuclear Copper(II) Complexes of 2-hydroxy-5 (phenyldiazenyl)benzaldehyde and 1- $(2-hydroxy-5-(phenyl diazenyl) phenyl) ethan one \ ligands: \ Synthesis, \ characterization\ and$ nuclueic acid binding studies

Ref. No. 1319/Seed Grant/BGC/GJ/18

Dr. Debabrata Bhadra Assistant Professor of Physics

Sub: Release of Seed Grant under the scheme of 'Suvarna Jayanti Research Grant' in Pure & Biosciences in the year 2016-17

We are happy to inform you that the Review Committee has approved the proposal of College sponsored Research Project as per the recommendations of the one man expert committee headed by Prof. B.K.Chaudhuri, D.Sc (Cal), Emeritus Professor, CRCT, Jadavpur University. The College committee for the same has also approved an allocation of Rs. 40000/- for the project as per details.

The date of implementation will be the date of receipt of the sanctioned amount by the college and the tenure of the Project will be for one year for the subject.

You are requested to submit two copies of your report alongwith the Utilization Certificate (format enclosed) to the undersigned on completion of the project.

With best wishes.

Dr. Sanjit Kumar Das Vice Principal

Vice Principal Bhairab Ganguly College Belgharia, Kolkata - 56

Date: 16/02/2018

seed count withing for

A Project Report Submitted For the Partial Fulfillment of Minor Research Work

The Department of Chemistry

Bhairab Ganguly College

Ву

Dr. Avijit Sarkar

The Research Monitoring Cell Bhairab Ganguly College Kolkata -700056

Year of Submission: December 12, 2017

#### Nirmal Saha, Ph.D student enrolled under the supervision of Dr. Debabrata Bhadra by WBSU



Allocation of Stuent(s):

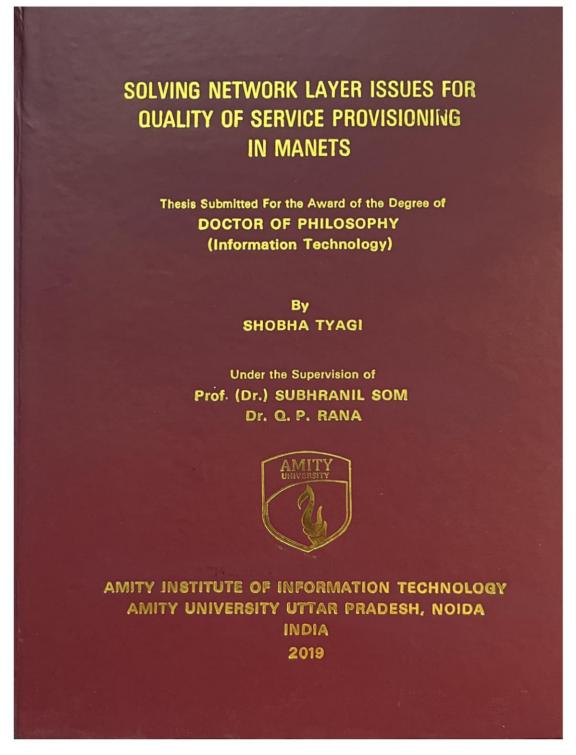
WBSU

Alloc	Allocation of Stueritis).					
SI. No.	Name of Candidate	Proposed supervisor	Proposed RAC			
1	Nirmal Saha	Dr. Debabrata Bhadra	1. Supervisor,			
		Bhairab Ganguly College	2. Dr. Molly De Raychaudhury, WBSU			
			3. Prof. B. K. Chaudhuri,			
			Emeritus Prof., Centre for Rural & Cryogenic Technology, JU			

Link to PhD Regulations:

https://drive.google.com/file/d/1AEO2EGtwlOd6kKwRlC3GAjXR9UnwO5f3/view?usp=sharing

Cover page of the thesis, Ph.D awarded under the supervision of Prof. Subhranil Som, Principal, Bhairab Ganguly College



## SOLVING NETWORK LAYER ISSUES FOR QUALITY OF SERVICE PROVISIONING IN MANETS

Thesis Submitted For the Award of the Degree of

#### DOCTOR OF PHILOSOPHY

(Information Technology)

Ву

#### SHOBHA TYAGI

Under the Supervision of

Prof. (Dr.) SUBHRANIL SOM Dr. Q. P. RANA



AMITY INSTITUTE OF INFORMATION TECHNOLOGY

AMITY UNIVERSITY UTTAR PRADESH, NOIDA

INDIA

2019



## AMITY INSTITUTE OF INFORMATION TECHNOLOGY

#### CERTIFICATE FROM THE GUIDE

This is to certify that the work recorded in the thesis entitled "SOLVING NETWORK LAYER ISSUES FOR QUALITY OF SERVICE PROVISIONING IN MANETS" submitted by Ms. Shobha Tyagi, in partial fulfillment of the requirements for the award of the Degree of Doctor of Philosophy in Information Technology (IT) from Amity Institute of Information Technology, Amity University Uttar Pradesh, Noida is faithful and bonafide research work carried out under my supervision. The results of the investigations reported in the thesis have not so far been submitted for any other Degree or Diploma. The assistance and help received during the course of investigation have been duly acknowledged.

Date: 13.08.2019 Place: Niida Prof. (Dr.) Subhranil Som Guide, Professor, AIIT, Amity University Uttar Pradesh,

Noida, India

Subbranil Son



Thesis Submitted For the Award of the Degree of DOCTOR OF PHILOSOPHY (Information Technology)

By
PRABHAT MANOCHA

Under the Supervision of Prof. (Dr.) SUBHRANIL SOM Dr. LOVNEESH CHANANA



AMITY INSTITUTE OF INFORMATION TECHNOLOGY AMITY UNIVERSITY UTTAR PRADESH, NOIDA INDIA 2020

# SOCIAL MEDIA ADAPTATION FRAMEWORK FOR E-GOVERNANCE

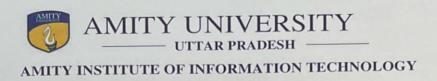
Thesis Submitted For the Award of the Degree of DOCTOR OF PHILOSOPHY
(Information Technology)

By PRABHAT MANOCHA

Under the Supervision of Prof. (Dr.) SUBHRANIL SOM Dr. LOVNEESH CHANANA



AMITY INSTITUTE OF INFORMATION TECHNOLOGY AMITY UNIVERSITY UTTAR PRADESH, NOIDA INDIA 2020



#### CERTIFICATE FROM THE GUIDE

This is to certify that research work embodied in this thesis entitled "SOCIAL MEDIA ADAPTATION FRAMEWORK FOR E-GOVERNANCE" submitted to Amity University Uttar Pradesh, for the award of the degree of Doctor of Philosophy in Information Technology (IT) has been carried out by Mr. Prabhat Manocha (Enrolment No.: A1053615030) under my supervision at Amity Institute of Information Technology, Noida, AUUP.

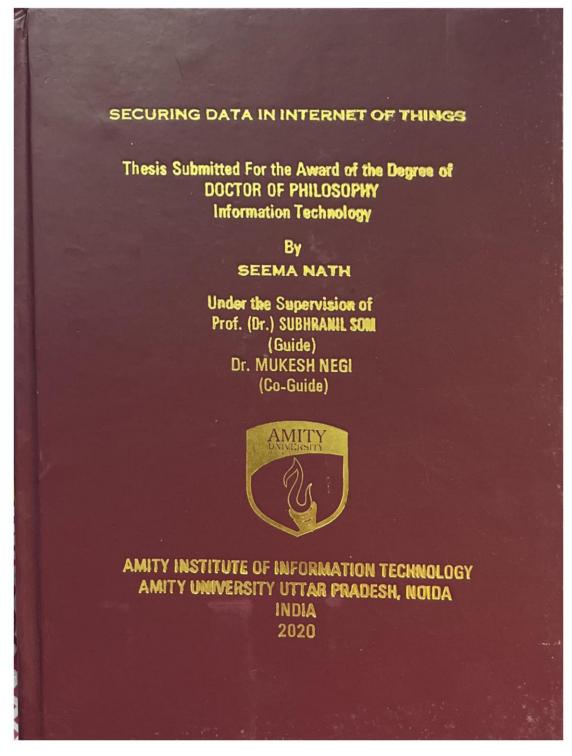
To the best of my knowledge and belief, this work is original and has not been submitted so far in part or in full for the award of any degree or diploma of any University/Institute.

Date: 05-04-2020

Prof. (Dr.) Subhranil Som Guide, Professor Amity Institute of Information Technology Amity University Uttar Pradesh Noida, India

Subhrand Som

I-1 Block, 3<sup>rd</sup> Floor, Amity University Campus, Sector -125, Noida-201313, Gautam Buddha Nagar, UP (India) Tel: +91-120- 4392276 (D), 4392277 (O), 4392200 (B), Email: ajay\_rana@amity.edu, aiit@amity.edu, website: www.amity.edu/aiit



## SECURING DATA IN INTERNET OF THINGS

Thesis Submitted For the Award of the Degree of DOCTOR OF PHILOSOPHY

Information Technology

By

**SEEMA NATH** 

Under the Supervision of

Prof. (Dr.) SUBHRANIL SOM (Guide)

Dr.MUKESH NEGI (Co-Guide)



AMITY INSTITUTE OF INFORMATION TECHNOLOGY

AMITY UNIVERSITY UTTAR PRADESH, NOIDA

INDIA

2020



## CERTIFICATE FROM THE GUIDE

This is to certify that research work embodied in this thesis entitled "SECURING DATA IN INTERNET OF THINGS" submitted to Amity University Uttar Pradesh, for the award of the degree of Doctor of Philosophy (Information Technology) has been carried out by Ms.Seema Nath (Enrolment No: A1053615018) under my supervision at Amity Institute of Information Technology, Amity University Uttar Pradesh, Noida, AUUP.

To the best of my knowledge and belief, this work is original and has not been submitted so far in part or in full for the award of any degree or diploma of any University/ Institute.

Date: 7/9/2020

Place: Noida

Subhranil Som

Prof. (Dr.) Subhranil Som

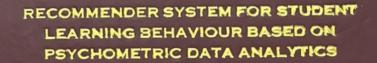
Guide,

Professor,

Amity Institute of Information Technology,

Amity University Uttar Pradesh,

Noida, India



Thesis Submitted For the Award of the Degree of DOCTOR OF PHILOSOPHY Information Technology

By ITI BURMAN

Under the Supervision of PROF. (DR.) SUBHRANIL SOM (Guide)
PROF. (DR.) SYED AKHTER HOSSAIN (Co-Guide)



AMITY INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA

AMITY UNIVERSITY UTTAR PRADESH

INDIA

2020

## RECOMMENDER SYSTEM FOR STUDENT LEARNING BEHAVIOUR BASED ON PSYCHOMETRIC DATA ANALYTICS

Thesis Submitted For the Award of the Degree of

DOCTOR OF PHILOSOPHY

Information Technology

Ву

#### ITI BURMAN

Under the Supervision of

PROF. (DR.) SUBHRANIL SOM (Guide)

PROF. (DR.) SYED AKHTER HOSSAIN (Co-Guide)

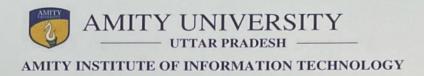


AMITY INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA

AMITY UNIVERSITY UTTAR PRADESH

INDIA

2020



#### CERTIFICATE FROM THE GUIDE

This is to certify that research work embodied in this thesis entitled "RECOMMENDER SYSTEM FOR STUDENT LEARNING BEHAVIOUR BASED ON PSYCHOMETRIC DATA ANALYTICS" submitted to Amity University Uttar Pradesh, for the award of the degree of Doctor of Philosophy in Information Technology (IT) has been carried out by Ms. Iti Burman (Enrolment No.: A1053615021) under my supervision at Amity Institute of Information Technology, Noida, AUUP.

To the best of my knowledge and belief, this work is original and has not been submitted so far in part or in full for the award of any degree or diploma of any University/Institute.

Date: 07 09 2020

Subtranil Som

Prof. (Dr.) Subhranil Som Guide, Professor Amity Institute of Information Technology Amity University Uttar Pradesh Noida, India

I-1 Block, 3<sup>rd</sup> Floor, Amity University Campus, Sector -125, Noida-201313, Gautam Buddha Nagar, UP (India) Tel: +91-120- 4392276 (D), 4392277 (O), 4392200 (B), Email: ajay\_rana@amity.edu, aiit@amity.edu, website: www.amity.edu/aiit

## **TECHNIQUES FOR SECURE TRANSMISSION**

A Thesis

Submitted in partial fulfilment of the

Requirements for the Award of the Degree of

Doctor of Philosophy

in.

Information Technology

BY

Abhishek Bhardwaj

Enrollment No.: A1053615025

Under the Supervision of (Guide)

Prof. (Dr.) Subhranil Som

Amity Institute of Information Technology

Amity University Uttar Pradesh, Noida, INDIA
and (Co-Guide)

Prof. (Dr.) Sunil Kumar Muttoo

Department of Computer Science, Delhi University, Delhi, INDIA



AMITY INSTITUTE OF INFORMATION TECHNOLOGY
AMITY UNIVERSITY UTTAR PRADESH
NOIDA (U.P.) INDIA
JANUARY 2021

## TECHNIQUES FOR SECURE TRANSMISSION

A Thesis

Submitted in partial fulfilment of the Requirements for the Award of the Degree of

Doctor of Philosophy

in

Information Technology

By

Abhishek Bhardwaj

Enrollment No.: A1053615025

Under the Supervision of

(Guide)

Prof. (Dr.) Subhranil Som

Amity Institute of Information Technology Amity University Uttar Pradesh, Noida, INDIA

and (Co-Guide)

Prof. (Dr.) Sunil Kumar Muttoo

Department of Computer Science, Delhi University, Delhi, INDIA



AMITY INSTITUTE OF INFORMATION TECHNOLOGY
AMITY UNIVERSITY UTTAR PRADESH
NOIDA (U.P.) INDIA
JANUARY 2021



## AMITY INSTITUTE OF INFORMATION TECHNOLOGY

## CERTIFICATE FROM THE GUIDE

This is to certify that research work embodied in this thesis entitled "Techniques for Secure Transmission" submitted to Amity University Uttar Pradesh, for the award of the degree of Doctor of Philosophy in Information Technology has been carried out by Abhishek Bhardwaj (Enrolment No.: A1053615025) under my supervision at Amity Institute of Information Technology, Noida, AUUP.

To the best of my knowledge and belief, this work is original and has not been submitted so far in part or in full for the award of any degree or diploma of any University/ Institute.

Subhravil bon

Signature of Guide Prof. (Dr.) Subhranil Som Amity Institute of Information Technology, Noida Amity University Uttar Pradesh, INDIA

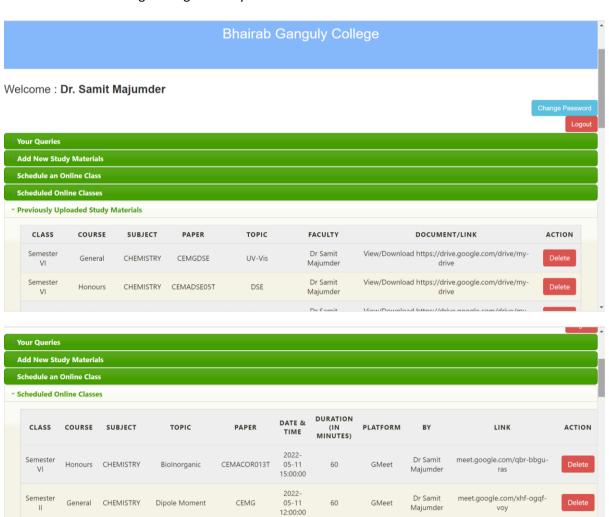
Date: 12th Feb 2021

#### Screenshots of Learning Management System

Semester

Semester VI General CHEMISTRY

General CHEMISTRY



2022-

05-11

11:00:00

05-10

14:00:00

CEMG

CEMGDSE

UV-Spec

Dr Samit

Majumder

Dr Samit

Majumder

meet.google.com/wxc-uutw-

yhy

meet.google.com/gwk-wzuk-

amc

## Medicinal Plant Garden Niramay Nikunja



Fruit & Butterfly Garden





Megh-Kalash: the Rain Water Harvesting Project



Meteorological Observatory





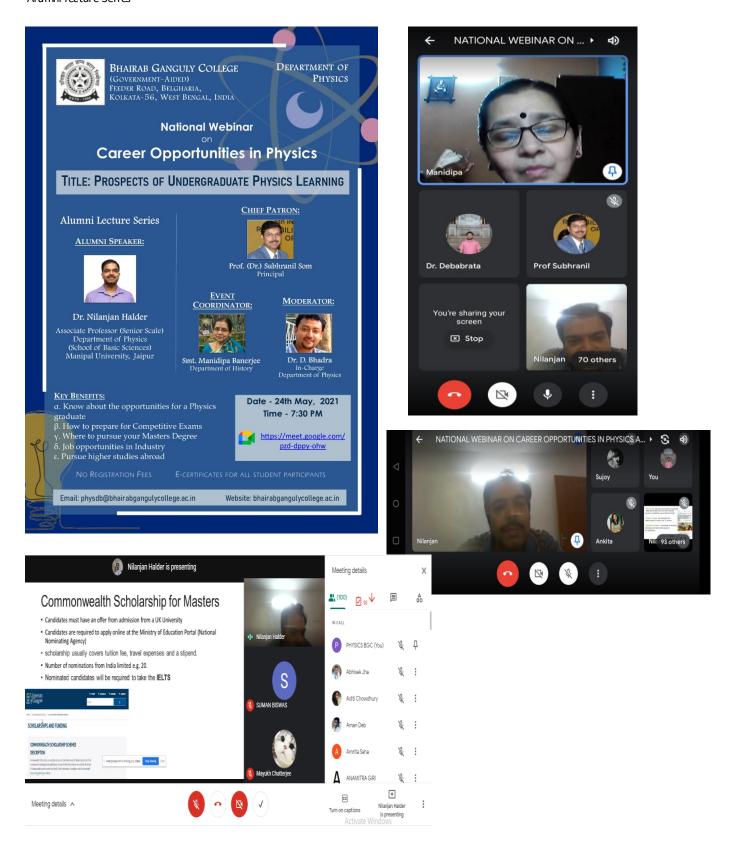








#### Alumni lecture Series



Sl.	Department	Date	Торіс	Alumni Speaker
No.				
1	Chemistry	20.05.2021	'Method of Isolation and Structural elucidation of Phyto -Compounds for Medicinal Purposes'	Mr. Sourav Pakrasky, SRF, Indian Institute of Chemical Biology, Kolkata
2	Geography	22.05.2021	'How to make it easier: course and career'	Kanika Das, SACT, Ramkrishna Sarada Mission Vivekananda Bidyabhaban, Kolkata
				Soumitra Giri, WBCS Jt. Commissioner, Revenue department, Govt of West Bengal
3	Physics	24.05.2021	'Prospects of Undergraduate	Dr. Nilanjan Halder,
3	Tilysics	24.03.2021	Physics learning"	-
				Associate Professor, Department of Physics, Manipal University Jaipur
4	History	27.05.2021	A. 'Career Opportunities in	Dr. Ajoy Ghosh,
			History',	Assistant Professor, Department of Education, St. Xaviers College (Autonomous), Kolkata
			B. 'From History to Pharma: A Journey'	Sri Sumit Kumar Das, Territory Sales Executive, Sun Pharma Laboratories Ltd.
5	Botany	31.05.2021	Importance of Botany in the Monitoring and Management of the Environment	Dr. Misha Roy, Assistant Professor of Environmental Science, Vidyasagar University, Midnapore, West Bengal.
6	Physiology	12.06.2021	NEXT GENERATION	Suvam Sarkar,
			SEQUENCING	Project assistant, ICMR, CNCI, Kolkata
7	Commerce	19.06.2021	Automation in Finance: The Future	Mousam Roy,
			of Accounting	Team Leader-Accounting & Tax Advisor, Infosys BPM Ltd
8	English	21.06.2021	Laugh-out-Loud:(Un) Masking Congreve's Gendered World in The	Swapna Roy, State Aided College Teacher, Amdanga Jugal Kishore Mahavidyalaya

			Way of the World	
			They of the World	
9	Mathematics	31.07.2021	PROPERTIES OF CONTINUOUS FUNCTION	Sanjib Das, SRF, Dept. of Mathematics, University of Burdwan
10	Economics	09.12.2021	Pros and Cons of using Cryptocurrency	Debjit Hore Roy, PG students, NBU
11	Urdu	11.04.2022	'Urdu Ghazal in West Bengal after Independence'	Akhtar Parwez, Assistant Professor, Jagdish Chandra Bose College 1/1B, A.J.C. Bose Road, Kolkata 700020
12	Bengali	13.04.2022	A. Sahitya Sikha o bachik silpe ter Proyog B. Bangla Snakotter er pore krishi kaj ki bhave pasha holo	Tanumoy Kolay, All India Radio (Yuvavani) Priyanka Bhadra, Director, Agroplaza Smart Ferming and Treading Pvt Ltd
13	Political Science	27.05.2022	Role of Govt. of West Bengal for Women Empowerment	Manisha Ghosh, SACT, Dept. of Political Science, Prasanta Chandra Mahalanobis Mahavidyalaya
14	Physiology	06.05.2022	The unique N-terminal region plays a dominant role in Mycobacterium tuberculosis Sigma Factor A ( $\sigma$ A) essentiality	Biplab Singha, SRF, National Institute of Immunology, New Delhi
15	Zoology	07.05.2022	My Journey can be yours too	Dr. Sampurna Roy Chowdhury, Area Medical Advisor, Inflammation and Immunology, Pfizer

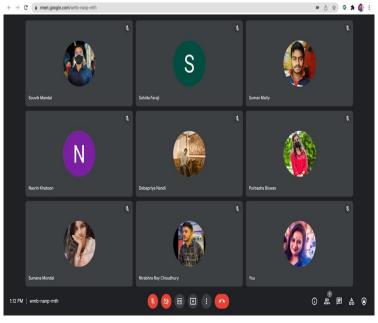
C R C	DATE	NAME OF SPEAKER	DEPARTMENT	LINK	TOPIC
0	23RD JULY	Zakeeyah	Political science,	https://meet.	Muslim women for reforms in Muslim
_	2021	Shahnaz	Bhairab Ganguly College		from India and USA
2	13TH	Sri Manidip	Department of English,	https://meet.	TheHomeBecomingtheWorld: The P
	AUGU ST	Chakraborty	Bhairab Ganguly College	google.co m/hrm-rtyu-	stments in the Academic World
	2021			tns	
3	10TH	Dr. Subharthi Pal	Department of Zoology,	https://meet.	Basics of Fish immunology and disea
	SEPTEMB ER2021		Bhairab Ganguly College	google.co m/msx-vmms-	
	22021			tns	
4	8TH	Dr. Debabrata	Department of Physics,	https://meet.	Biological waste derived nanofibrou
	OCTOB ER	Bhadra	Bhairab Ganguly College	google.co m/vab-xpxg-	er Treatment: Recent Advances and C
	2021			gbj	
5	12TH	Dr Neepa	Department of Nutrition	https://meet.	Physical Exercise and Balanced Diet
	NOVEMB ER2021	Banerjee	, Bhairab Ganguly College	google.co m/hgn-vmhi- pvd	Mind
6	3RD	Smt. Arpita	Department of English	https://meet.go	Rebel Tiger female: Opreesor or Opr
	DECEMB ER2021	Roychowdhury	,Bhairab Ganguly College	gle.co m/reg-ibf wgo	kan novelists Nayomi Minaweera a
7	24TH	Dr.Masoom	Dept. Of Urdu, Bhairab	https://meet.	A critical study of "INDIANISM" in U
	DECEMB ER	Hasan Ansari	Ganguly College	google.co m/zjj-wyvs-	
	2021			zon	
8	21ST	Sri Jhantu Saha	Department of	https://meet.	Cultural lag.
	JANUA RY		Sociology, Bhairab Ganguly College	google.co m/ypy-dsgn-	
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9	12TH	Sri Souvik	Department of	https://meet.	Tracking the course of Neurodegene
	FEBRUA RY2022	Chakraborty	Physiology, Bhairab Ganguly College	google.co m/dxp-sryn-	in-silico gene expression analysis to in rposing and design.".
	NIZUZZ		Ganguly College	tad	positing and design
10	11th	Dr. Biswajit	Assistant Professor	https://meet.	Happiness through the Eye of a Cher
	March	Panda	Department of	google.co	
	2022		Chemistry City College, Kolkata	m/yre-eapo- brz	
11	7Th April	Dr. Ranjabati	Faculty, Journalism and	https://meet.go	Radio popularization : The untold st
	2022	Dey	Mass Communication	ogle.co	cipation in Akashvani Kolkata

12	6th May 2022	Dr. Sukla Kisku	Assistant Professor Department of English	At the APJ Abdul Kalam e-classroom at 2:00 PM	Dead Men Do Tell Tales: Revisiting the Bog Bodiesugh Heaney
13	27th May 2022	Dr. Surajit Sengupta,	Assistant Professor & In-charge DEPT. OF COMMERCE	https://meet. google.co m/oej-qiru- vcz	Financial Literacy in India
14	25th June 2022	Dr. Ushri Roy	Assistant Professor, Botany	https://meet. google.co m/oet-ayic- nqg	Plant Strategy to survive









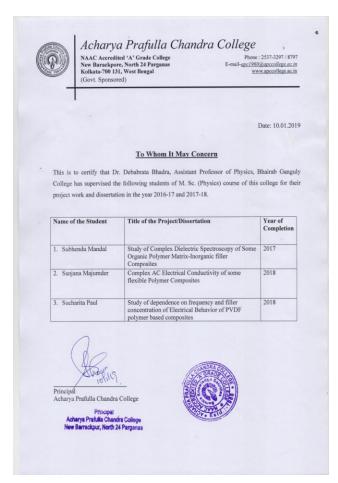
#### Rooftop 10 kW Solar Panels











#### Major\_Proj\_Advisor\_Student\_Allotment\_2022

Faculty	Contact no	e-mail	Topic/Area	Student	Reg. No
Arunabha Adhkari Physics,WBSU	+91 80178 33487	annabha adhliar (Bgmail.com	Machine learning in Physics	Akash Saha 1	1002011100154
Bibhas Bhattacharya Physics,WBSU	+91 98308 58812	bibhasb <b>@</b> gmail.com	Renormalization group study of the Ising model, Quantum Mechanics/Cond. Matt. Physics	Md. Sahabujiaman Molla	1002012500101
Molly De Roychaudhuri Physics,WBSU	+91 98301 19327	moly-desychauthun/#gmail.com	condensed matter expt     Statistical mechanics & condensed matter theory combined	Bashah Mukharjee Prabhah Patra	1061711400475 1071711400240
Subhajit Sarkar Physics, WBSU	+91 98748 33337	subhajiffü sarkar@gmail.com	CMP and / or Experimental Techniques Preparation through Sol-Gel technique, Characterization & Propertise studies of BaTIO3	Rahul Santra Sanjay Dey Monirul Islam	1341711400094 1181711400175 1002012500142
Anirban Saha Physics,WBSU	+91 9838021172	snitsn@wtsu.sc.in	Onavity     Gravitational Wave	Shrabani Roy Debjani Dey	1181721100163 1181721400161
Manas Kr. Roy B.K.C College	+91 94332 37579	manask roythgmail.com	Dynamics of rheological patterns in magnetite suspension.	Sudipta Bhawal	1341611301078
Srijit Bhattacharya Barasat Govt. College	+91 98383 99010	srijt.bha@gmail.com	Study of heavy element nucleosynthesis	Pampa Das	1002021400100
Sudip Garai Diamondharbour Women's University	+91 82402 87250	элір финфункі соп	Study of solitons in nonlinear optics	Shreyasi Haldir	1081721100034
Sankhasubhra Nag R.K.M.V.C College	+91 94331 35523	sankhasubhranag@gmail.com	Low Angular Momentum Accretion Dynamics for a Black Hole	Pinki Paul	1181621401998
Joydip Mitra Scottish Church College	+91 98389 68725	joydip83@gmail.com	Classification of particles and Poincare group.	Snigdha Mahato	1341621400987
Biswajit Adhikari Gurudas College	+91 87770 86068	biswajtachikary@gmail.com	Gravitational Radiation and It's detection/ Cosmological constant problem.	Akash Saha 2	1002011400090
Debabrata Bhadra Bhairab Ganguly College	+91 94332 05914	bhadra bgc@gmail.com	Dielectric and impedance spectroscopic studies of graphene based nanocomposite films	Sumita Pal	1002021600097
Mahuya Chakrabarti, Basirhat College	+91 9433407407	mshuyacuphy@grail.com mshuya/8chaicabart@grail.com	Characterization of furite samples using Mosebauer Spectroscopy	Twinkle Mukherjee	1002021400098
Dr. Sudip Mukherjee Barasat Govt. College	7596828800	sudip but@gmail.com	Statistical mechanics of disordered spin systems	Ajoy Pal	1061711300468
Jayita Chattopadhyay Sarojini Naidu College for Women	+91 9830855398	chattopachywyjayla@gmail.com	Application of Two-phonon coherent states to Holstein model	Sourav Khila	1081711300032
Dr. Krishnendu Mukherjee Dept. of Physics IIEST, Shibpur	9432273434	kmukherjee@physics.iiests.ac.in	Quantum Mechanics/ Quantum Field Theory	Rituparna Biowas	1141621100899
Dr. Upendranath Nandi Scottish Church College	9836448414	un_nandi@yahoo.co.in	Experimental Condensed Matter Physics	Farjanara Islam	1091722300029
Anjali Mukherjee SINP, Kolkata	+91 9874078848	arial multiprineDaha ac in	Nuclear Physics	Kaustav Das Chakladar	1081711400022
Dr. Sunandan Gangopadhyay S. N. Bose National Centre for Basic Sciences	9830124471	sunandan gangopadhyay@gmail.com	Geometric phase in quantum mechanics	Ohidul Alam	1011712300619 IVate \

#### List of Faculties with contact information and Topic/Area for the Seminar and Colloquia Course

Faculty	Contact no	e-mail	Topic/Area	Student	Reg. No
Arunabha Adhkari	+91 80178 33487	arunabha.adhikari@gmail.com	Computational Physics	Rituparna Biswas Akash Saha	1141621100899 1002011100154
Bibhas Bhattacharya	+91 98306 58812	bibhasb@gmail.com	Statistical Mechanics (1),     Quantum Mechanics (1)	MD SAHABUJJAMAN MOLLA Monirul Islam	100201250010
Molly De Roychaudhuri	+91 98301 19327	molly,deraychaudhury@gmail.c em	condensed matter expt     Statistical mechanics & condensed matter theory combined	Prabhab Patra Sanjay Dey	107171140024 118171140017
Subhajit Sarkar	+91 98746 33337	subhajt69.sarkar@gmail.com	CMP and / or Experimental Techniques	BASHAB MUKHARJEE RAHUL SANTRA	106171140047 134171140009
Anirban Saha	+91 9836021172	anirban@wbsu ac in	Special Relativity     Gravity     Gravitational Wave	Debjani Dey Ohidul Alam	118172140016 101171230061
Debasish Chatterjee	+91 90518 73647	debachatter@gmail.com	Non-abelian Gauge Field and its Coupling to Matter fields	Snigdha Mahato	134162140098
Manas Kr. Roy	+91 94332 37579	manask.roy@gmail.com	Quantum Hall Effect	Sudipta Bhawal	134161130107
Srijit Bhattacharya	+91 98363 99010	srijit bha@gmail.com	Study of heavy element nucleosynthesis	Pampa Das	100202140010
Sudip Garai	+91 82402 87250	sudip.dhw@gmail.com	Waves and instabilities in a dusty plasma.     Non Newtonian properties of a complex charged fluid.     Phase space analysis of complex system via differential equations	Farjanara Islam	109172230002
Sankhasubhra Nag	+91 94331 35523	sankhasubhranag@gmail.com	Binary Accretion system	Shrabani Roy	118172110016
Joydip Mitra	+91 98369 68725	joydip83@gmail.com	Quantum Mechanics	Biplab Das	111161110007
Biswajit Adhikari	+91 87770 86068	biswajtadhikary@gmail.com	Quantum Zeno effect	Akash Saha	100201140009
Debabrata Bhadra	+91 94332 05914	bhadra bgc@gmail.com	Dielectric in Electric Fields Dielectric Relaxation Polarizability	Sumita Pal	100202160009
Mahuya Chakrabarti,	+91 9433407407	mahuvacuphy®gmail.com mahuva76chakrabarti®gmail.c om	Experimental Condensed Matter Physics	Twinkle Mukherjee	100202140009
Raghunath Bera	+91 9432137262	m_bera@basirhatcollege.org	Experimental Condensed Matter Physics	Shreyasi Halder	108172110003
Jayita Chattopadhyay	+91 9830855398	chattopadhyay jayla@gmail.co tti	Theoretical Condensed Matter Physics	Pinki Paul	118162140199
Bhaskar De	+91 94338 79989		Relativistic Heavy Ion Collision	Ajay Pal	106171130046
Bishwajit Saha	+91 97483 49362	biswajt.saha09@gmail.com	Nanoscience A	Soura Khilla LC V	108171130003

#### To whom It May Concern

This is to inform Mr. Anupam Pramanick is research scholar Department of Physics, University of Kalyani under the guidance of Prof. Tapas Pal Majumder is going to Dr. Debabrata Bhadra Asst. Professor Department of Physics, Bhairab Ganguly College, Belgharia for doing his research work which is measuring the dielectric properties of self synthesized samples. I am requesting Dr. Bhadra to take fruitful step to do needful.

TP Mazumder 30/07/2021 Prof. Tapas Pal Majumder

Department of Physics

University of Kalyani

### Educational Exhibitions from Birla Industrial and technological Museum in College







#### Educational excursions











# **PROJECT REPORT**

(SUBMITTED FOR THE BACHELOR DEGREE IN ACCOUNTING AND FINANCE UNDER THE WEST BENGAL STATE UNIVERSITY)

#### TITLE OF THE PROJECT

STUDY OF CONSUMER ORIENTED SALES PROMOTION IN FMCG SECTOR

- A CASE STUDY ON PATANJALI AYURVEDA KENDRA PVT. LTD.

#### **SUBMITTED BY**

SUPRATIM DEY

REGISTRATION NO - 1071511401099

NAME OF THE COLLEGE - BHAIRAB GANGULY COLLEGE

ROLL -

CLG ROLL NO - 7099

SUPERVISED BY

NAME OF THE SUPERVISIOR - PROF. VIJAY ANAND SAH

MONTH & YEAR OF SUBMISSION - JAN 2018

# A STUDY ON IMPACT OF RELIANCE JIO ON THE TELECOM INDUSTRY IN INDIA



**SUBMITED BY: - MADHURIMA HAZRA** 

**REGISTRATION NO:** - 1071721400023

ROLL NO: - BGC/MCF/SIV/19 - 207

**SUBMITTED AT: -** DEPARTMENT OF COMMERCE (P.G SECTION)

**COLLEGE NAME:** - BHAIRAB GANGULY COLLEGE, BELGHARIA

(SUBMITTED IN PARTIAL FULFILLMENT OF REQUIREMENT OF DEGREE OF M.COM IN ACCOUNTING AND FINANCE UNDER WEST BENGAL STATE UNIVERSITY)

**SUPERVISED BY:** - PROF. V.A.SAH (DEPARTMENT OF COMMERCE)

# BHAIRAB GANGULY COLLEGE (WEST BENGAL STATE UNIVERSITY) P.G. SEMESTER IV EXAMINATION, 2020





# Working Capital Management

#### Submitted by

Name of the candidate: Soumya Ghosh
Registration No.: 1071811401369

Name of the college: Bhairab Ganguly College

Roll: BGC/MCM/S/V/20 No.: 505

#### **Supervised By**

Name of the supervisor: Vijay Anand Sah

Name of the college: Bhairab Ganguly College

Year Of Submission: 2020

## **Project Report**

## A study on Corporate Social Responsibility activities of Tata Group of Companies

 $(Submitted \ for \ the \ Degree \ of \ M. Com. \ in \ (Accounting \ \& \ Finance) \ from \ Bhairab \ Ganguly \ College \ under \ the \ West \ Bengal \ State \ University)$ 

#### Submitted by:

 Name of the Student
 : Swarnayan Das

 Registration No
 : 1071913401412

 Roll
 : 103

 Semester
 : 4th (M.Com)

 Session
 : 2019-21

#### Submitted at:

Bhairab Ganguly College Belghoria (Under W.B.S.U.)

#### Supervised by:

Mr. Vijay Anand Sah Asst. Professor Department of Commerce

**1** | Page

#### Title of the Project

#### A STUDY OF CASH FLOW STATEMENT ANALYSIS WITH SPECIAL REFERENCE TO JET AIRWAYS



[ Submitted for the Degree of B.Com(Hons.) in Accounting & Finance at Bhairab Ganguly College under West Bengal State University ]

Month & Year of Submission:- July & 2022

**SUBMITED BY**:

Saikat Majumdar

 $Registration\ No: \textbf{1071911100501}$ 

Roll: 6221107 No: 06840

Submitted at

Department of Commerce

Bhirab ganguly College, Belgharia

Supervised By

Mr.Vijay Anand Sah

Assistant Professor

Department of Commerc



### PROJECT REPORT

(Submitted for the Degree of M.Com in Accounting & Finance at Bhairab Ganguly
College under West Bengal State University)

### Title of the Project

# A COMPARATIVE STUDY OF SBI MUTUAL FUND AND ICICI PRUDENTIAL MUTUAL FUND

Month & Year of Submission: - July 2022

Submitted by:-

Name of the Candidate: - SANCHITA MUKHERJEE

Registration No.: - 1072021401381

Roll: - BGC/MCF/SIV/21 No. - 501

Supervised by:-

Name of the Supervisor: - Dr. Sanjit Kumar Das

Name of the College: - Bhairab Ganguly College

DR PRIMAR DHAR THE OF THE PRIMAR PRIM

# **TERM PAPER** Power-play and Power Equations in the Mahabharata and the Baahubali Series: An Observation through the Political Lens DEBIKA DAW M.A. IN ENGLISH (4TH SEMESTER) COLLEGE ROLL NO. - 11 UNIVERSITY ROLL - BGC/MEF/SIV/18 NO. 407 REGISTRTION NO. - 1071621401286 OF 2016 - 2017 BHAIRAB GANGULY COLLEGE WEST BENGAL STATE UNIVERSITY

"All we did is survive": An Existentialist and Absurdist Reading on Dunkirk

by

Shuvabrata Singha

English PG, 4th Semester

SSingha057@gmail.com

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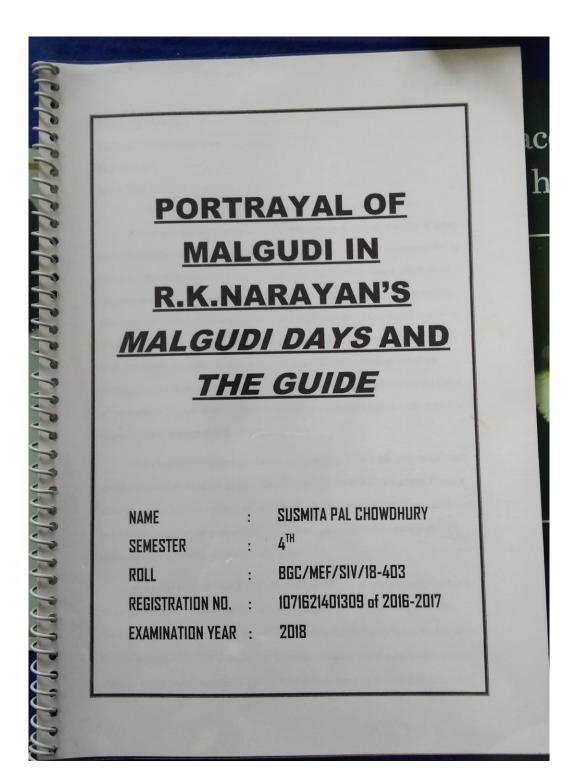
Bhairab Ganguly College

West Bengal State University

Registration No. 1071611401299 of 2016-2017

Examination Roll: BGC/MEM/SIV/17 No. 418

Class Roll No. 23



Arpita Mukherjee

Professor Chidananda Bhattacharya

English M.A. ( 4<sup>th</sup> Semester)

005124-2013 of 2013-2014

Roll.BGC/MEF/SIV/18 No. 415

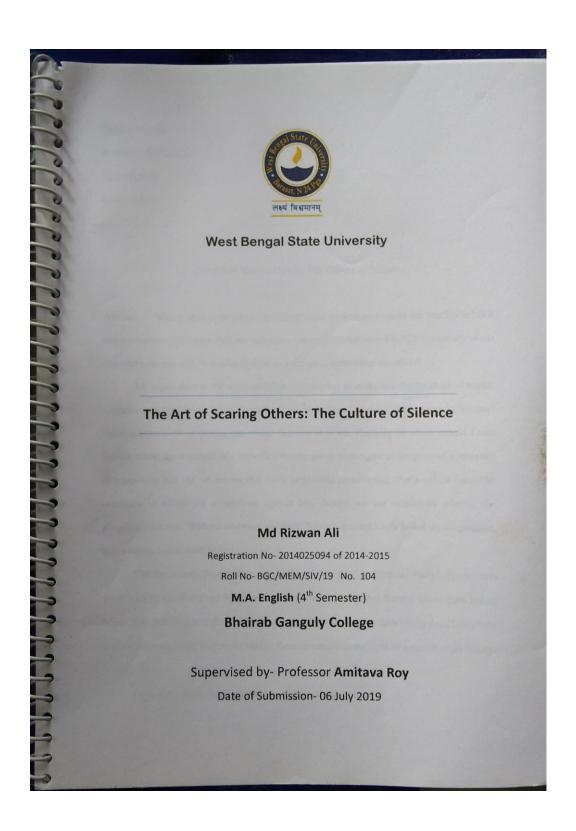
Class Roll, 4

9 July 2018

West Bengal State University

Censorship as a Tool of Patriarchal Hegemony:

Comparative Study of D.H. Lawrence's *Lady Chatterley's Lover* and Nathaniel Hawthorne's *The Scarlet Letter* 



West Bengal State University

A Journey Into the Dark Psyche of Sylvia Plath: Image of Trauma and Death in her Poetry

Elisa Ghosh

Bhairab Ganguly College

M.A. English 4th Semester

Roll No.- BGC/MEF/SIV/19 No. 103

Registration No.- 2014006098 of 2014-2015

Supervised by

Professor. Chidananda Bhattacharya

Date of Submission - 6 July 2019

2020 Screenshots of Post Graduate Dissertation from Department of English

Name: Souvik Saha

Name of Guide: Prof. Sukla Kisku

English, P.G 4th Semester Roll No. 40

Bhairab Ganguly College.

Email id: mesouvik.saha97@gmail.com

Exploration of the Autobiographical Elements in Kamala Das's poems

Abstract:

Autobiography is a form of writing where the writer articulates his or her life, thus the

inspiration from where the idea has emerged, is explicitly linked up with real life. Analyse of

their work alongside the real life-story will help readers to understand their work and to easily

spot features that are similar to that person's own life. Kamala Das is no exception in this

prospect. Her references in poems are so vivid that they can be considered as mirror of her life,

presented with artistic touch. Her poems are an outcry of her personal experiences and reaction

against situations that she was imposed.

**Key Words:** 

Autobiography, woman, experience, life, poetry, Das.

1

Name: Susmita Mandal

Name of Guide: Prof. Sukla Kisku

English P. G. 4th Semester, Roll no-16.

Bhairab Ganguly College.

Email ID-iamsusmitamarch2019@gmail.com

Theme of Alienation and Conciliation in Nissim Ezekiel's poetry

Abstract:

Nissim Ezekiel's subtle use of alienation and conciliation in his poetry makes him a

foundational figure in postcolonial India's literary history. Ezekiel, being a Bene-Israeli Jew by

birth, being a Mumbaikar, perceives a sense of alienation in the heart of "Mayanagri". The city of

dreams fulfills the desire of its residents, on the other hand gifts them loneliness. Besides, the

villagers of India always aid one another, they never left anyone unaccompanied. Ezekiel shows

the culture and custom of Indians, the Indianness in his writings very artfully.

**Key Words:** 

Alienation, Outsider, Reconcile, Ezekiel.

Introduction:

Nissim Ezekiel, in many of his poetry, designated the theme of alienation and

conciliation as an egregious factor. The term "alienation" comes from the Latin word "alienus"

which means "of another place or person". The term was first coined by German philosopher

Somadatta Raychaudhuri
P.G. 4th Semester
Assistant Professor Ms. Sukla Kisku
Department of English, Bhairab Ganguly College
September 2021

#### A STATE OF AMBIVALENCE AND LONELINESS

#### OF ULYSSES IN MODERN TIMES

#### INTRODUCTION:

Each culture has its own mythology defining a way for better perception of its characters and the world. The word myth derived from the Greek term "mythos" is said in classical Greek literature to have denoted any plot or story, whether true or invented,. From this viewpoint, a myth is a part of mythology signifying "a system of hereditary stories of ancient origin which were once believed to be true by a particular cultural group, and which served to explain (in terms of the intentions and actions of deities and other supernatural beings) why the world is as it is and things happen as they do, to provide a rationale for social customs and observances and to establish the sanctions for the rules by which people conduct their lives". According to Lauri Honko, "Myth [is] a story of the gods, a religious account of the beginning of the world, the creation, fundamental events, the exemplary deeds of the gods as a result of which the world, nature and culture were created together with all parts thereof and given their order, which still obtains. A myth expresses and confirms society's religious values and norms, it provides a pattern of behaviour to be imitated, testifies to the efficacy of ritual with its practical ends and establishes the sanctity of cult". (Honko, p. 49)

Ditipriya Chakraborty

PG 4th Semester

Assistant Professor Ms. Sukla Kisku

Department of English, Bhairab Ganguly College.

September 2021.

The Silent Patient: The Psychological Retelling of The Myth of Alcestis

INTRODUCTION:

The concept of Mythology is very interesting to discuss and fascinating to many people. Nearly

all religions in the world have a mythological dimension, which often is related to previous

beliefs. According to Carl Jung, the world-famous psychologist, 'myths are universal, and

necessary for the human psyche.' Now the question arises, what is myth? This is very simple

as well as difficult to answer, because there are not only multiple meanings of the word 'Myth'

but also none of them are wrong! And maybe this is the most fascinating part of it. The very

popular belief is Myth means anything thing which is not true (and if goes by this meaning

then, this meaning is itself a 'myth'!). Roland Barthes says that Myth is not defined by the

object of its messages, but by the way in which it is uttered (Barthes, 109). The word 'Myth'

comes from the Greek word Mythos. The Ancient Greek philosophers distinguished mythos

from logos. From mythos came 'intuitive narrations', from logos 'reasonable deliberations.

Famous Indian Mythologist Devdutt Pattnaik explains that "if myth is an idea, mythology is

the vehicle of that idea" (Pattanaik xvi). If we look at various definitions of Myth, there is one

common characteristic. That is, Myth is a symbolic narrative mainly of gods and goddess or

virtuous man and woman, which most of the times, convey a moral.

Myth or Mythology at present also, is an important part of any culture and society.

There are many types of Mythologies. And in some instances, despite of their differences,

# THE GREAT GATSBY: AN EXPLORATION OF DISILLUSIONMENT **Bhairab Ganguly College** Feeder Road, Belghoria, Kolkata 700056 Purushottam Mukherjee 8/20, Purbapally, Sodepur, Kolkata 700110 West Bengal, North 24 Parganas Contact No. 7980507346 M.A. English 4th Semester Roll No.: BGC/MEM/SIV/22 No. 412 Registration No.: 1071711400408 of 2020 Area Covered by the Term Paper: Adaptation Studies, The American Dream, Idealism, The American Culture of the Early Twentieth Century, Antisemitism, Filmmaking, Wealth and Social Status.

Harry Potter and the Half-Blood Prince: A Treat to Testify Human Bonds

Bhairab Ganguly College Feeder Road, Belgharia, Kolkata – 700056

Anirban Gupta Uttam Babu lane, Garikhana, Po + DT. – Purulia Pin – 723101 West Bengal

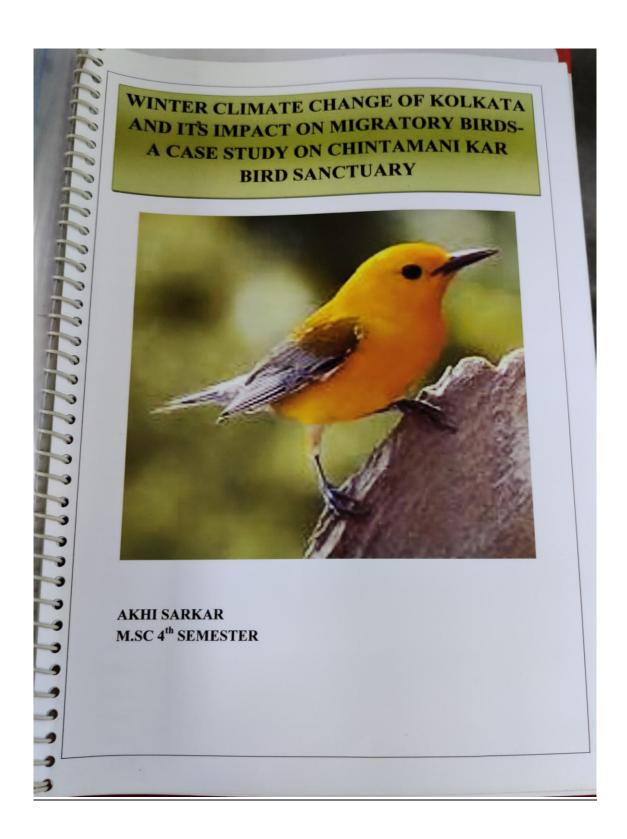
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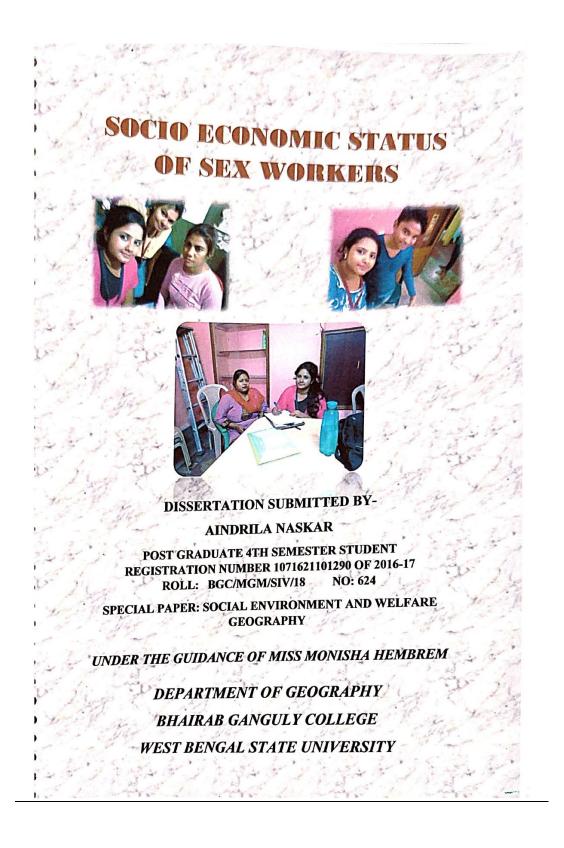
M.A. English 4<sup>th</sup> Semester

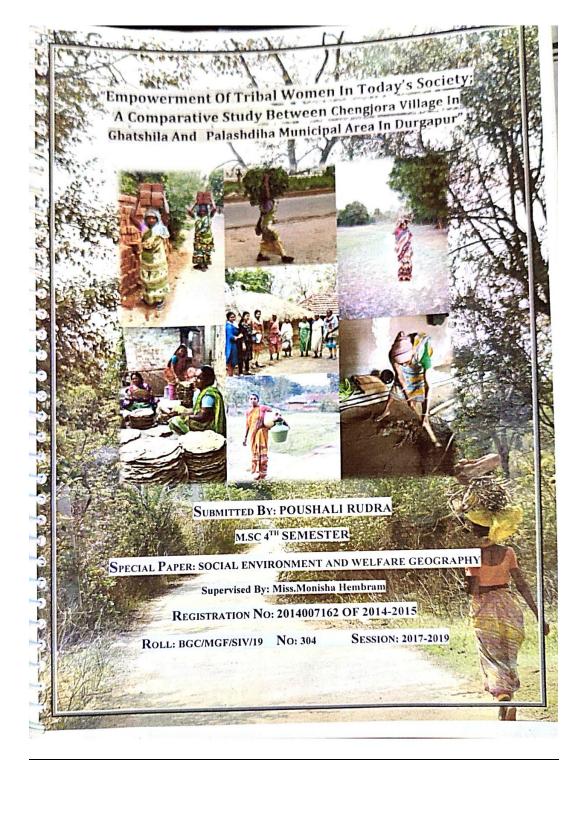
Roll No.: BGC/MEM/SIV/22 NO. 403

Registration No.: 1072011401373

Area Covered by the Term Paper: Literature and Film /
Adaptation Studies







## A TOURIST DESTINATION COMPARATIVE ANALYSIS OF ARAKU TOURISM AND KOLKATA TOURISM

A Dissertation submitted in partial fulfillment of the award of the degree of M.SC in Geography submitted by

#### **SUPROVA AULIA**

Department of social environment & welfare Geography

Bhairab Ganguli College, West Bengal University

Belgharia, Kolkata-700056



Under the supervision of

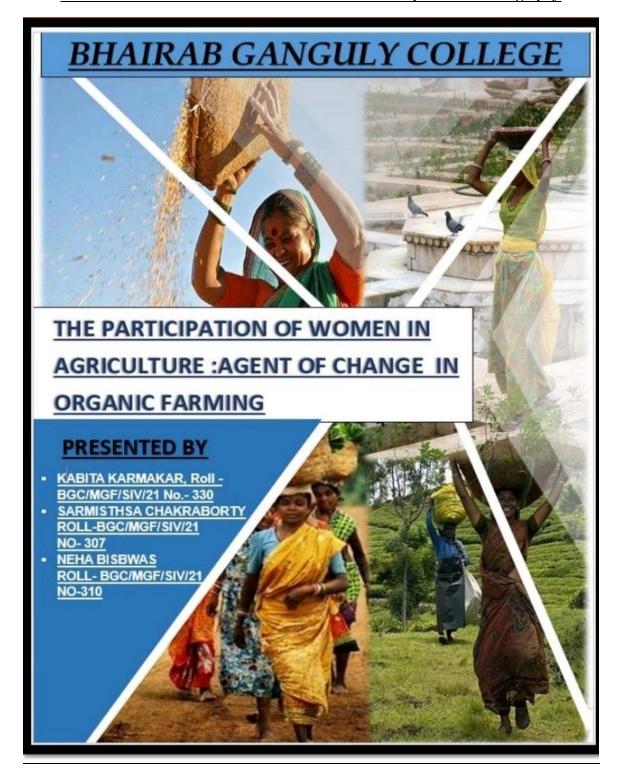
#### Prof. MONISHA HEMBRAM.

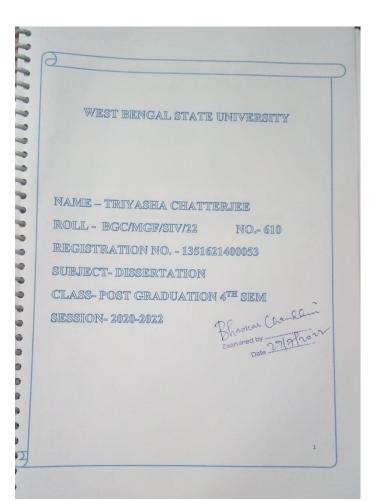
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# 2022 Screenshots of Post Graduate <u>Dissertation from Department of Geography</u>

