Best Practice II

Title of the Practice: STUDENTS' SEMINAR -AN OUTCOME BASED PEDAGOGICAL TOOL

Objectives of the Practice:

Today's education is undergoing a paradigm change away from input-output focused education and toward outcome-based education. What matters is how much the pupils learn rather than how much we educate them. As a result, the institution has taken steps to develop teaching-learning methodologies from the perspective of students and how they will benefit them in their future studies/jobs. In this context the arrangement of students' seminar has got special attention in our college.Every department in our college has become enthusiastic about hosting a students' seminar inconspicuously meant for the students. The main objectives of students seminar are Active Learning, Critical Thinking, improvement of communication skills, to fetch depth of understanding and preparation for real world situations.

The context

Outcome-based education has brought its own set of issues to India's higher education industry, particularly given the country's low gross enrolment ratio in comparison to other countries. Conducting students' seminar has some essential components. These are using ICT, workshops, watching online videos, using online platforms, and resolving challenges through conversations. The education system is no more out of the globalization process in every sector all over the world and the components of students' seminar mentioned above are essential parameter of this globalization process. Consequently any student who is going to deliver lecture must be expert enough in ICT, online/offline platforms or conversation skills. Thus, quality of education and employability both become compatible with the job market under present era globalised economy. A teacher also has to educate himself in all these time oriented modern fields for bringing perfection in the students' seminar. So, such seminar actually becomes platform of bothway learning process.

The Practice

In our college Sanskrit, History, Philosophy, English, Hindi, Political Science, Physics, Chemistry and other departments have arranged students' seminar time and again in different academic sessions (Link is provided for full descriptions of the Seminars). Needless to say all these seminars received grand response of the students fulfilling their targets.

The students' seminar really helped a lot to differentiate between slow learners and advanced learners throughinteractive meetings, class question-and-answer sessions, formative evaluations, and academic counseling. The advanced learners were encouraged to participate in contests,

creative writing, and the processing of their research-oriented thinking in many dimensions, while the slow learners were given special attention through remedial sessions and help outside of class hours.

Seminar is a place where students get engaged in discussions, ask questions, and present their ideas. Naturally Seminars enhance power of critical thinking and communication skill. In such collaborative learning environment depth of understanding is also augmented. We have experienced that the mental inertia among students become gradually become banished. They learn essential skills for success in many career paths and become smarter in handling real life problems.

In any students' seminar, students act as teachers in the classroom with complete authority. They make group discussions, debates, explain their views and utilise power-point presentation techniques. Each student is encouraged to express their intellectualism in such seminars. Based on their overall performance, First Prize, Second Prize and Third Prize are given to the respective winners in a programme organized on College Foundation Day.

Every subject has its own inner philosophy. Without learning that philosophy learning of any subject is incomplete. Every subject has its own applicability in its own style and it should be guided by development with human face. In this way understanding pure science and understanding social science and thereby understanding people's needs are no different. Both have a responsibility towards society or community.

In an academic setting, the majority of these students are encouraged to choose and explore societal topics, particularly those that are contentious. Students are able to think deeply and discuss various points of view on these socially conscious themes. Students who successfully lead seminars will change their mindset, gain confidence, and have the ability to influence others. When a seminar is first being organized, it is important for the lecturer to help the students become leaders. Later on, while students are consulting with other members during seminars, the instructor helps them formulate questions that would be effective. In order to foster the social contacts required to build and strengthen communities, students might engage in a variety of activities.

Thus, it makes sense to coordinate and enhance curriculum development, student co-curricular activities, and pedagogical strategies in order to foster a more engaged and learning-friendly community.

Evidence of Success

Low socio-economic backgrounds make up the majority of Kharagpur College's student body. In their views and hopes for their jobs in the future, they are naturally timidwith low level of ambition. We have this point in mind throughout every student lecture. During these seminars we deliberately cover various career pathways related to respected fields. We've noticed as a result that they become courageous, inspired and encouraged. Consequently this bravery has shown to be helpful in passing numerous examinations at the National levelStudents cleared JAM examinations with All India Ranks: From 2018 to 2020, 15 students of different science departments have cleared the JAM examinations with good All India ranks, including the top ten ranks in India by three students. In the year 2021, total 10 students have cleared the JAM examinations with all India tanks.

• Students placed for higher studies in IITs, IISER, Banarus Hindu University(BHU), University of Calcutta, The University of Burdwan and other institutes of national importance

• Students have participated in poster competitions; quiz competitions, presentations and other online events organized by external agencies and also won prizes:

• Student project was selected for CSIR summer research training programme in 2020

• The performance of students in university examinations has improved significantly from 2018 to 2020

Problems Encountered and Resources Required

• Because the affiliating university takes so long to perform the semester examination and start classes for the next semester, the teaching-learning activities are occasionally hampered.

• The institution faces the problems of funding for conversion of more classrooms into the smart classroom and the administration has applied for renovation and up gradation of laboratories and classrooms

• Digitization of library and e-resources has also been applied under the RUSA scheme by the institution

• Procurement of more computers is required to improve the student: computer ratio

8. The Institution Name: Kharagpur College

Post – Inda, Kharagpur, Pin – 721305, West Bengal Tel: 03222-225920 (O), Fax: 03222-227926 Email: <u>kharagpurcollege@gmail.com</u> Website: www.kharagpurcollege.ac.in Year of Accreditation: December 2016, Grade awarded by NAAC: B++ Contact person: Dr.BidyutSamanta, Principal.



Student Seminar of Department of Physics



Student Seminar of Department of Zoology

Kharagpur College Department of Physics

One day Students Webinar (3rd Sem Physics Hons), to be held on 19th February 2021 from 2.00 p.m. using Google meet platform. Following students will deliver their presentation.

SL No.	Name	Topic of Presentation	Email
1	Sri Shubhadeep Roy	Fresnel's Straight Edge Diffraction shubhadeeproy3@gmai	
2	Sri Sayan Bera	Photoelectric effect	sayanbera721305@gmail.com
3	Sri Soham Goswami	Remote sensing	sohamgmid@gmail.com
4	Sri Ritwik Roy	Compton effect	ritwikroy0017@gmail.com
5	Sri Anubhab Chakraborty	Metal semiconductor junction anubhab26042001@gr (Schottky contact)	
6	Sri Subhadip Sau	Future source of energy	sausubhadip12@gmail.com
7	Sri Koushik Das	Electromagnetic Induction. daskoushik721445@gma	
8	Smt. Susmita Ghosh	DC motor. susmitaghosh226@gmail	
9	Sri Animesh Das	Gauss's Law in Electrostatics. dasanimeshmid2017@gmail	
10	Sri Subhajit Senapati	Application of Logic Gates subhajitsenapati2002@gmail	
11	Sri Debabrata Chini	Lagrange and Hamiltonian debabratachini050201@gmail.c Mechanics.	
12	Sri Sougata Nag	Optical Fibre riku26nag@gmail.com	



Student Seminar of Department of Chemistry









Online students seminar of Political Science department

Students Seminar Department of Chemistry Kharagpur College

Sl.	Name	Seminar Topic	Sem
Date of presentation: 19.09.2022			
1.	Arpan Dutta	Aspirin	III
2.	Anitya Krishna Das	Fundamental of reaction mechanism through MOT approach	III
3.	Sanglap Dutta	Approach of Green chemistry	III
4.	Prasenjit Mahato	Biomass energy	III
5.	Satyajit Nayek	Hydrogen bonding	III
6.	Pallabi Bera	Factors affecting tea flavor	V
7	Debanjan Pari	Substitution reaction	III
8.	Surajit Addhya	Photochemical aspect of vision	V
9.	Somnath Santra	Bio-fertilizers	III
10.	Surajit Maity	Origin and evolution of life	III
11	Dipa Pradhan	Solar Energy	III
Date of Presentation: 20.09.2022			
12.	Shubhajit Kumar Giri	Aromaticity	III
13.	Arpita Bera	Stereochemistry and drug action	III
14.	Shreya Roy	Ethanol as a biofuel	III
15.	Saswata Mondal	Pericyclic reaction and its application	V
16.	Soumyajit Hait	Green energy	V
17.	Sthiti Das	H ₂ SO ₄ -The king of chemicals	III
18.	Akash Bera	Carbon Nanotube	III
19.	Sk. Sahil Ali	Green Chemistry and its importance	III
20.	Debraj Ghosal	Organic Waste	III
21	Pralay Kr. Jana	Pinacol-pinacolone rearrangement	V
22	Ritwika Sahoo	Chemistry of Paint	III

18.09.2022

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Dr. Indranil Chakraborty Head Department of Chemistry

Department of Physics				
Kharagpur College				
Schedule of Student Seminar for 3rd Semester				
Date: 17.01.2022 Time: 11:00 AM onwards				
Meeting Link: meet.google.com/agw-zhqy-tug				
College Roll	Name	Торіс		
105	Aniket Roy	Karnaugh Map		
108	Anish Sarkar			
110	Ankan Bera	Adder and Subtractor		
111	Aranya Pariary	Entropy		
121	Bikram Laha	Blackbody radiation		
123	Bratish Santra	1st law of thermodynamics		
127	Indra Kamal Sahoo	Transformer		
128	Jayanta Deb	Flip- Flops		
Old	Samiran Jana			
181 Ayandip Maiti		Let's talk about "Fourier series"		
177	Tanmoy Sahu	Multiplexer		
Date: 18.01.2022 Time: 11:00 AM onwards				
M	eeting Link: meet.google.con	n/agw-zhqy-tug		
College Roll	Name	Торіс		
134	Pradip Das	Complex form of Fourier Series		
135	Prakash Murmu			
137	Rahul Kumar Sahoo			
139	Rajesh Santra	Workdone in adiabatic process		
144	Rohandeep Patra			
146	Saibesh Pal	How do we know the earth is round		
152	Shesadri Sahoo			
153	Siddhartha Sankar Patra			
158	Soukhin Paul			
162	Sourabh Samanta	Logic Gates		
164	Sourav Das			
166	Sramani Roy			
169	Subhadip Mahakul	AC generator		
172	Subhendu Bhunia			
175	Suvendu Dash Adhikary			
178	Tithi Sen	Carnot cycle		
180	Zeeshan Ali Khan			

R Head, Department of Physics





Students seminar of Sanskrit department







Students seminar of B.A. General

KHARAGPUR COLLEGE DEPARTMENT OF HISTORY

One day Students Webinar

Topic: Social and Economic Developments and Reforms in Modern India Class: B.A. (Hons) 5th Semester Date: 29th September 2020

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SI No.	Name	Topic of presentation	
1	AnkitaKumari	Commercialization of agriculture in colonial India	
2	Devika Singh	The Role of Swami Vivekananda in the social –reforms movement in colonial India	
3	Hari Gurung	Brahma Samaj and its role in social reform movement in colonial India	
4	JanufaKhatun	Growth of commercialization of agriculture in colonial India	
5	Md. AtifShamim	De-industrialization in colonial India	
6	P. Dharani	Modern industrialization	
7	P. Girish Kumar	Santhal rebellion: its causes and consequences in colonial India	
8	TanmoySahoo	Role of Ramkrishna in social reforms movement in colonial India	
9	UmairaShamin	Drain of wealth in colonial India	
	No of Participant	85	

Report:	On 29 th September 2020
	Department of History organised
	a Webinar inaugurated by the
	Principal of Kharagpur College. In
	this webinar nine students
	presented their papers on
	different topics relating the social
	and economic developments and
	reforms in modern India. All the
	students delivered very
	informative lectures and among
	them some were presented very
	thought provoking speeches
	which enlightened the students
	and pleased the teachers a lot.
	We are grateful to our Principal
	sir for motivating the students.

KHARAGPUR COLLEGE DEPARTMENT OF HISTORY

One day Students Webinar

Topic : Medieval India: Politics, Society & Economy

Class: B.A. (Hons) 3rd Semester

Date: 25 th September 2020

SI	Name	Topic of presentation	
No.			
1	Chandrani	Iltutmish	
	Mukherjee		
2	Indrita Acharya	BahmaniSamrajyo	
3	HenaParvin	Sultanijugelqtabyabostha	
4	KumkumAktari	Socio-economic conditions of Vijayanagara Empire	
5	Rinki Das	Bhakti Movement	
6	Zainab Parveen	Role of Indian Ocean trade during Sultanate period	
7	DebasmitaNath	SultanijugeBharateDhormiobhabdhararprosarebong	
		Naqshbandi Silsila-r probhab.	
8	Tania Das	Mughal ChitrokalayEuropioprobhab	
9	MuskanParveen	Socio-cultural impact of Sufism in India	
	No of	102	
	participant		
	Report:	On 25 th September 2020 Department of History	
		organised a Webinar on the Topic of 'Medieval	
		India: Politics, Society & Economy', inaugurated by	
		the Principal of Kharagpur College. In this webinar	
		nine students presented their papers on recent	

researches on medieval Indian history and they tried their best to locate the development of historical studies concerning the subject with utmost care. All the students conveyed very enlightening lectures and among them some were delivered very thought provoking and informative speeches which enlightened the students and satisfied the teachers a lot. We are grateful to our Principal sir for motivating the students.

KHARAGPUR COLLEGE DEPARTMENT OF HISTORY

Online Students Seminar on Netaji Subhash Chandra Bose to celebrate his 125th birth anniversary on 23 January 2021 at 3.00 PM

SI	Name	Class
No.		
1	Chandrani Mukherjee	History(Hons) 3 rd Sem
2	Mrityunjoy Chakraborty	English (Hons) 1 st Sem
3	KaziAsraful Uddin	History(Hons) 1 st Sem
4	AyushiKumari	M.A. in History 3 rd Sem
5	NabaneetaDey	History(Hons) 1 st Sem
6	LaboniRoul	History(Hons) 3 rd Sem
7	Anup Dutta	History(Hons) 1 st Sem
8	Keya Ghosh	M.A. in History 3 rd Sem
9	SuparnaBhakat	History(Hons) 1 st Sem
10	Laxmi Yadav	History(Hons) 1 st Sem
11	SujanSardar	M.A. in History 1 st Sem
12	Rina Bisai	History(Hons) 3 rd Sem
13	SangitaDoya	History(Hons) 1 st Sem
14	UmairaShamim	History(Hons) 3 rd Sem
15	Arpita Pal	History(Hons) 1 st Sem
16	Puja Jana	History(Hons) 1 st Sem
	No of participant	98
	Report:	Department of History organised
		an Online Students Seminar on
		Netaji Subhash Chandra Bose to
		celebrate his 125 th birth
		anniversary on 23 January 2021
		at 3.00 PM Which was
		inaugurated by the Principal of
		Kharagpur College. In this

webinar sixteen students
presented their papers on Netaji
Subhash Chandra Bose and his
contribution for the nation. All
the students reminded our grate
patriot Subhash Bose who played
a pivotal role in India's freedom
struggle. Students discusses the
about his contribution of creating
the Azad Hind Fauj and the Azad
Hind Government and also
students delivered speeches how
Netaji Subhash was able to
inspire millions of people to rise
against the British Government
and its tyrannical rule.All students
tried their best to highlight the
sacrifice of Subhash Bose
concerning the subject with
utmost care. All the students
conveyed very enlightening
lectures and among them some
were delivered very thought
provoking and informative
speeches which enlightened the
students and satisfied the
teachers a lot. We are grateful to
our Principal sir for motivating
the students.
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KHARAGPUR COLLEGE DEPARTMENT OF HISTORY

One day Students Seminar

Topic: Recent Developments in Social History of Modern India Date: 23th September 2019

Time: 11.30 A.M.

Venue: R.N. 218

SI No.	Name	Class	Topic of presentation
1	Lilima Show	M.A. 3 rd Sem	Rokeyarswadeshbhabna
2	Santu Das	M.A. 3 rd Sem	BiplabiHemchandra Das Kanungo
3	NazneenNaaz	M.A. 3 rd Sem	
4	Parnashree Das	M.A. 3 rd Sem	Harichand Thakur o Matua dharma
5	AyushiKumari	M.A 2 nd Sem	Condition of women in the pre-vedic period
6	Mansa Das	M.A 2 nd Sem	Guptomonimondireritihas
7	Sushmita Singh	M.A.2 nd Sem	Vedic sabhyota
8	Chandrani Mukherjee	B.A. 1 st sem	Adhunik Bharat gathonerkhetre Raja Ram Mohan Roy erabodan
9	HenaParveen	B.A. 1 st sem	Adhunik Bharat gathone Swami Vivekananda erbhumika
10	KajalKhatun	B.A. 1 st sem	Adhunik Bharat gathonerkhetresamajsanskarakKandukuriVeeresalinga mPanthuluerabodan.











Kumkum Aktari











Rinki Das











Rinki Das











Rekha Dutta













Rakhal Chandra Bhunia











Rekha Dutta











Zainab Parveen











Abinash Sengupta











Indrita Acharya











Rakhal Chandra Bhunia

STUDENTS WEBINAR DEPARTMENT OF HISTORY (UG & PG) KHARAGPUR COLLEGE

Class: B.A. (Hons.) 3rd Semester

TOPIC: MEDIEVAL INDIA: POLITICS, SOCIETY & ECONOMY

DATE: 25th September 2020

Webinar will be inaugurated by

Dr. Bidyut Samanta, Principal, Kharagpur College

Time:	Speakers
10.00 AM- 10. 10 AM	Chandrani Mukherjee
10.10 AM- 10. 20 AM	Indrita Acharya
10.20 AM- 10. 30 AM	Hena Parvin
10.30 AM- 10. 40 AM	Kumkum Aktari
10.40 AM- 10. 50 AM	Rinki Das
10.50 AM- 11.00 AM	Zainab Parveen
11.00 AM- 11.10 AM	Debasmita Nath
11.10 AM- 11.20 AM	Tania Das
11.20 AM- 11.30 AM	Muskan Parveen

CHAIRMAN

Dr. Bidyut Samanta, Principal, Kharagpur College PATRON Prof. Udita Bhattacharya

Dr. Rakhal Chandra Bhunia, Convenor, Students Webinar for 3rd Semester

Prof. Uttam Das, Jt. Convenor

Prof. Biswajit Koyorhi, Jt. Secretary

CHIEF PATRON Prof. Anjan Kumar Chaki, President, Governing Body PATRON Dr. Rekha Dutta

> Dr. Abinash Sengupta, Head & Secretary

Prof. Milan De, Jt. Secretary

Dr. Sanjoy Kumar Kar, Jt. Secretary

All are cordially invited. Platform: *Google Meet* App. (Link will be shared)

STUDENTS WEBINAR DEPARTMENT OF HISTORY (UG & PG) KHARAGPUR COLLEGE

Class: B.A. (Hons.) 5th Semester TOPIC: COLONIAL INDIA: SOCIETY, ECONOMY & POLITICS,

DATE: 29th September 2020

CHAIRMAN Dr. Bidyut Samanta, Principal, **CHIEF PATRON**

Prof. Anjan Kumar Chaki, President, G.B

Webinar will be inaugurated by

Dr. Bidyut Samanta, Principal, Kharagpur College

Time:	Speakers
10.00 AM- 10. 10 AM	Ankita Kumari
10.10 AM- 10. 20 AM	Devika Singh
10.20 AM- 10. 30 AM	HARI GURUNG
10.30 AM- 10. 40 AM	JANUFA KHATUN
10.40 AM- 10. 50 AM	MD.ATIF SHAMIM
10.50 AM- 11.00 AM	P.DHARANI
11.00 AM- 11.10 AM	P.GIRISH KUMAR
11.10 AM- 11.20 AM	Τανμού δαμοο
11.20 AM- 11.30 AM	UMAIRA SHAMIM

PATRON Prof. Udita Bhattacharya PATRON Dr. Rakhal Chandra Bhunia PATRON Prof. Milan De

Dr. Sanjoy Kumar Kar Convener Students Webinar for5th Semester PATRON Dr. Rekha Dutta PATRON Prof. Uttam Das, PATRON Prof. Biswajit Koyorhi

Dr. Abinash Sengupta, Head & Secretary Students Webinar for5th Semester

All are cordially invited. Platform: Google Meet App. (Link will be shared)