

Key Indicator 3.2

Innovation Ecosystem



Rabindra Mahavidyalaya
Champadanga, Hooghly
2018-19 to 2022-23



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○ Bhartiya Perspectives of Water Management

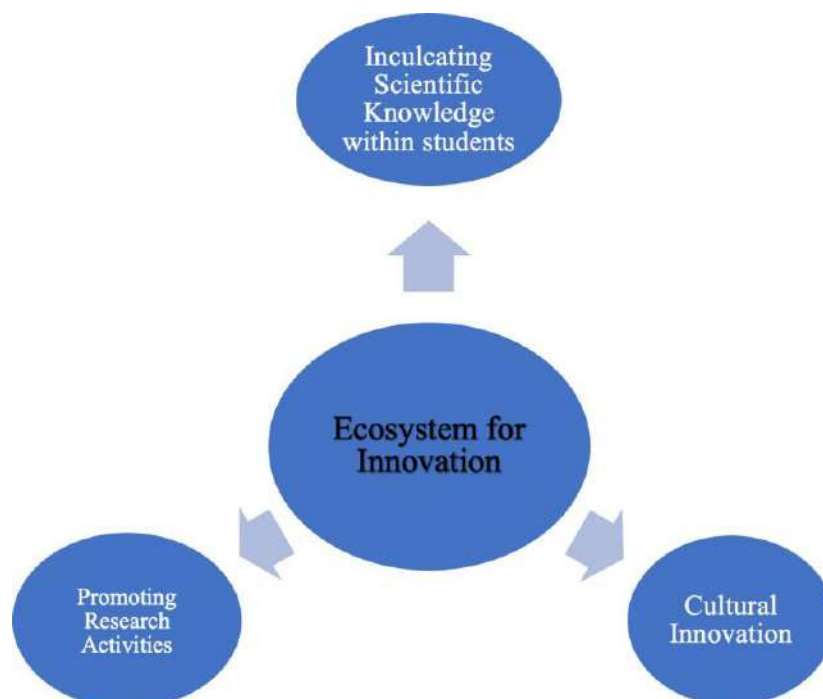
- Key Events



ECOSYSTEM FOR INNOVATION

Introduction

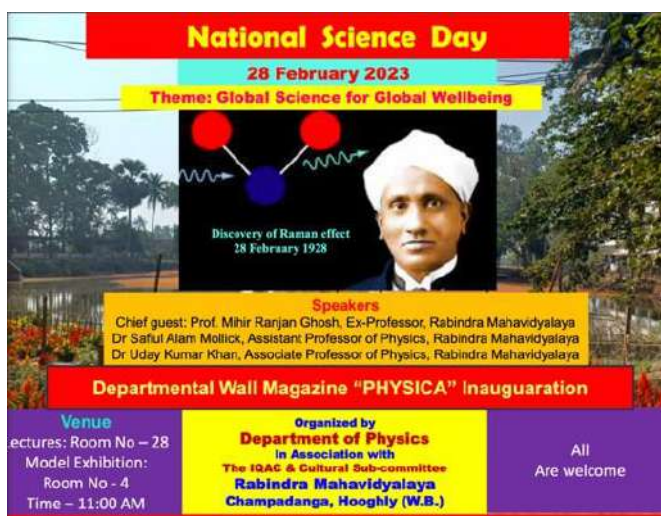
Our College provides a conducive environment for promotion of innovation. As a learning environment, College has always placed a strong emphasis to promote research aptitude among the undergraduate students. They are encouraged to actively involve in the application of technology for societal needs. Scientific knowledges are inculcated within the students in the form of **celebrating National Science Day, arranging workshop, model exhibition, and conducting Hands-on-Training**. Research activities are often promoted by **subscribing journals in the Central Library, faculty members acting as Ph.D. supervisors, and purchasing scientific equipment in the laboratory for basic research purposes**. Additionally, our institution creates ecosystem for cultural innovation among the students by celebrating unique festivals, and paintings, etc. A Research Sub-Committee has been set up to promote interest in research and development through planning several innovative activities and to cultivate the thirst for scientific knowledge among the students.

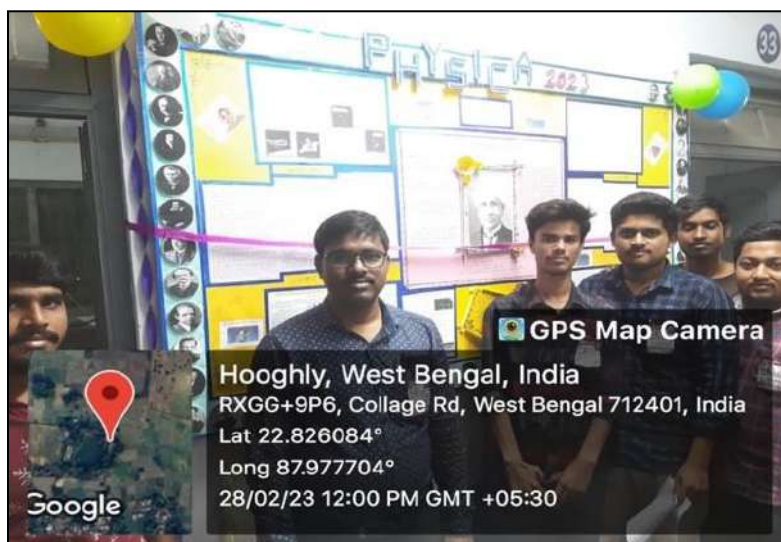


A. Inculcating Scientific Knowledge within the Students

● **Event 1: National Science Day Celebration**

- **Date:** 28 February 2023
- **Venue:** Department of Physics, Rabindra Mahavidyalaya, Champadanga, Hooghly
- **Organizing Department:** Department of Physics
- **Participants:** Students: 25 (M: 20, F: 5) Teachers: 7 (All Male)
- **Details of resource persons:**
 1. Prof. Mihir Ranjan Ghosh, Ex-Professor, Department of Physics, Rabindra Mahavidyalaya
 2. Dr Safiul Alam Mollick, Assistant Professor of Physics, Rabindra Mahavidyalaya
 3. Dr Uday Kumar Khan, Associate Professor of Physics, Rabindra Mahavidyalaya
- **Topic discussed:**
 - 1) Life and Works of C V Raman
 - 2) Importance of National Science Day
 - 3) Philosophy of Science and Methodical process of Science
 - 4) Importance of unbiased data collection, data verification, and falsification
- **Outcome of the seminar:** Departmental wall magazine “Physica 2023” was inaugurated by the principal of the college. In the magazine, students wrote about various recent advancement in Physics as well as articles on science fiction. Awareness and interest about science was injected among the participants. Scientific methodology was discussed to induce scientific temperament in their social life. All the participants took oath to follow scientific attitude in daily life and build a habit to question everything to get new knowledge and contribute to the society for the betterment of the humanity.



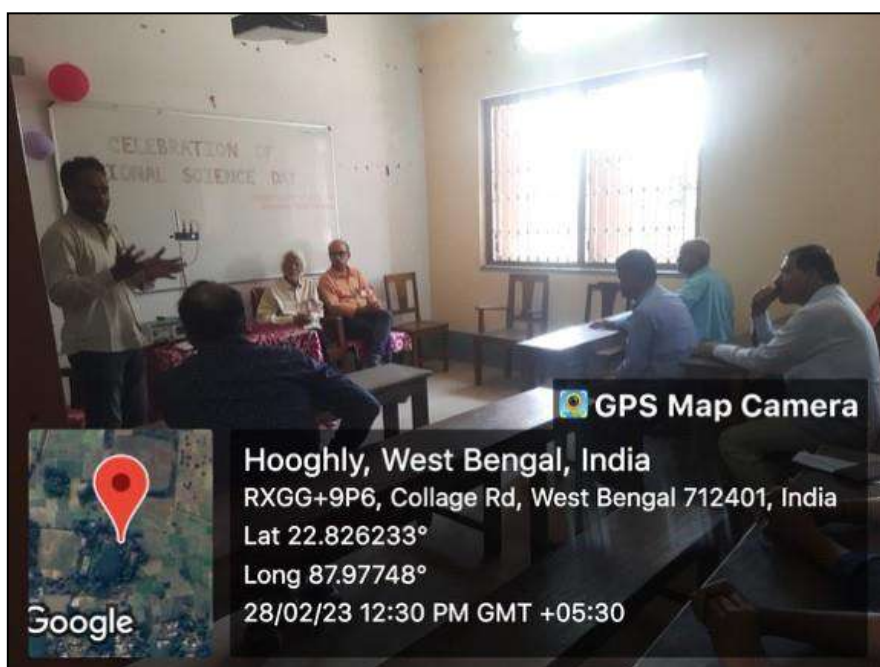


Photographs. Flyer of the event; Students of Physics demonstrating their model exhibition; Publication of Departmental Wall Magazine; and faculties delivering their speeches



• **Event 2: One Day Workshop on "Career Prospect in Science"**

- **Date:** 20 August 2022
- **Venue:** Room No 48, Rabindra Mahavidyalaya, Champadanga, Hooghly
- **Organizing Department:** Department of Physics
- **Participants:** Students: 95 (M: 68, F: 27) Teachers: 7 (All Male)
- **Details of resource persons:**
 1. Dr. Kuntal Ghosh, Assistant Professor, Department of Machine Intelligence
 2. Dr Safiul Alam Mollick, Assistant Professor of Physics, Rabindra Mahavidyalaya
 3. Dr Uday Kumar Khan, Associate Professor of Physics, Rabindra Mahavidyalaya
- **Topic discussed:**
 - 1) Chemistry of Life from Matter: Physics of Mind and Brain
 - 2) Evolution of Science at the time of Galileo
 - 3) Experimental Demonstration of some undergraduate physics experiment
- **Outcome of the seminar:** Awareness and interest about science was injected among the participants, mainly students, so that they consider as a future career. Scientific methodology was discussed to induce scientific temperament in their social life.



Photograph. Departmental faculty welcoming the main speaker of the programme





Photographs. Glimpses of the workshop

- **Event 3: Model Exhibition and competitions for School and College Students**

- **Occasion:** Golden Jubilee Celebration (November 8-11, 2022)
- **Aims:** With a view to encouraging, popularizing, and inculcating scientific temper among the students and local community
- **Event details:** On the occasion of Golden Jubilee Celebration, special model exhibition competitions were organized by the institution. In order to ensure the widest possible participation and involvement of students of the college and schools situated nearby the College in the programme, the College organized the exhibition in two phases.

Phase 1: Inter-School Model Exhibition

Students from Classes VI to XI of four different schools participated in the model exhibition. The topics of the model exhibition varied from hands-on fun learning experiences using light, sound, and chemical reactions to sophisticated modern electronics to save the environment or the implementation of technology to ease daily life. This exhibition aimed to provide a forum for students to pursue their natural curiosity and inventiveness to quench their thirst for creativity.



Photographs. Student of Class VIII demonstrating production of light weight Hydrogen gas by Chemical reaction; Students of Class VIII explaining Green House Effects and current threats of our environment



Phase 2: Inter-Department Model Exhibition

Departments like Physics, Geography, and Zoology from our College participated in the model exhibition. This exhibition provided opportunities to showcase the talent and innovative minds of our college students and interact with curious minds in schools.



Photographs. Department of Zoology students showcasing their oxygen transport model in human blood circulatory system; Students of Physics demonstrated their smart city model with automatic control of street light, traffic signals, sanitizer vending machine, water ATM and population counting passing the road.



• **Event 4: National Science Day Celebration**

- **Date:** February 28, 2021
- **Theme:** Future of STI: Impacts on Education Skills and Work
- **Organizing Committee:** Department of Physics, Rabindra Mahavidyalaya, IQAC and IT Sub-Committee
- **Speakers:** Prof. Rangeet Bhattacharyya, Professor, Department of Physical Science, IISER, Kolkata
- **Participants:** 71 (Students), 18 (Teachers)
- **Link of the event:** <https://www.youtube.com/watch?v=1IZGzHEYIjE>
- **Outcome:** The internet is often touted as the latest major advancement in human civilization. The internet connects every corner of the globe, and this largely-connected world needs a massive computing power that classical computing may not provide. In the last two decades, quantum computing has emerged as a potential alternative. Developments in this field are changing our science and technology in an unprecedented way. To engage the young minds in the race to quantum supremacy, we need to introduce quantum concepts early in the curriculum in an easy manner. The talk would try to focus on the developments in this field and how one can easily learn quantum concepts.



The poster for the National Science Day Webinar features a portrait of Sir C.V. Raman on the left, with text indicating the 'Discovery of Raman effect' on '28 February 1928'. The central text reads 'National Science Day Webinar' with the theme 'Future of STI: Impacts on Education Skills and Work'. It identifies the location as 'Rabindra Mahavidyalaya, Champadanga, Hooghly'. The registration link is provided as 'Click here'. The platform is listed as 'StreamYard / YouTube' with a scheduled lecture link: 'https://youtu.be/1IZGzHEYIjE'. The date and time are '28 February 2021' at '12:15 PM'. The patron is 'Dr. Prasanta Bhattacharyya, Principal'. The event is organized by the 'Department of Physics, In Association with The IQAC, Rabindra Mahavidyalaya'. The host is 'Dr. Pronobi Porel, Librarian'. The title of the online lecture is 'Future of computing: a quantum paradigm (যন্ত্র গণনার ভবিষ্যতে কোয়ান্টাম যুগ)' by 'Prof. Rangeet Bhattacharyya (Department of Physical Sciences, IISER Kolkata)'. An abstract follows, discussing the internet's role in human civilization and the emergence of quantum computing.



Screenshot taken from YouTube link of the event

Photographs. Observing National Science Day



- **Event 5: Students' Interactive Hands-on-Experiments on National Science Day**

- **Date:** February 28, 2020
- **Theme:** “Women in Science”: Theme of celebrating National Science Day announced by National Council for Science and Technology Communication under the Department of Science and Technology, Government of India.
- **Organizing Committee:** Department of Physics, Rabindra Mahavidyalaya
- **Speakers:**
 1. Dr. Arati Mukhopadhyay, Retd. Teacher, Howrah J. C. Girls' School
 2. Dr. Safiul Alam Mollick, Assistant Professor, Department of Physics, RM
 3. Dr. Sucheta Joy, Assistant Professor, Department of Chemistry, RM
- **Participants:** 47 (Students), 09 (Teachers)
- **Outcome:** National Science Day 2020, themed around “Women in Science,” celebrated the remarkable contributions of women scientists. Events included panel discussions, inspiring talks, and interactive Hands on Experiments. Participants explored the achievements of trailblazing women, fostering a spirit of inclusion and empowerment in scientific pursuits. Department of Physics published its wall magazine PHYSICA 2020 in presence of Principal and chief guest and speaker Dr. Arati Mukhopadhyay.



Photographs: Welcoming lecture by the Head of The Department; publication of Departmental Wall Magazine in presence of Chief Guest Dr. Arati Mukhopadhyay



B.1 Research Support by Library - Subscription of Journals

০১/১১/১৯৮০
১৯৮০/১১/০১
শারদীয়
অনুষ্ঠান
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৫৩২৫
৫৩২৫, ১ম সংখ্যা



Photographs. Subscription of Journal Anustup

 **BRITISH
COUNCIL**
British Library Kolkata

Receipt No: CL201910150026-IL

Time: 12:13:18

Date: 15/10/2019

Patron's Name: Rabindra Rabindra Mahavidyalay

Membership Type: ICL002662 (Access 10 - New)

Amount: Rs. 8500.00

Mode of payment: CASH

Photographs. N-LIST payment Receipt and British Council Library Subscription Receipt



Current Science Association
C V Raman Avenue, Sadashivanagar, Bengaluru - 560 080, PAN - AAATC4245R

Receipt

Sub No. 2359 Inward No. RECEIVED with thanks from LIBRARIAN RABINDRA MAHAVIDYALAYA CHAMPADANGA, HOOGHLY 712 401 West Bengal	Rct. No. 0282 Date 17-May-2017 ₹ 5,000.00 By * Draft No 845838 Dt. 26-Apr-2017
INR Five Thousand Only On account of Bill No. dated towards	
Subscription To CURRENT SCIENCE FOR 2017-2019	
Head of Accounts Rs. Debit/Credit R. Sub (2017) 2,000.00 SC SRA (2018) SC SRA (2019 & Onwards) 1,500.00	Head of Accounts Rs. Debit/Credit SC SRA (2018) 1,500.00
*Drawn on: UNITED BOI, BLORE <div style="text-align: right;"> ACCOUNTS OFFICER CURRENT SCIENCE P.O. NO. 8001 C.V. RAMAN AVENUE BANGALORE - 560 080 </div>	

Cheques subject to realisation

Photograph. Subscription Receipt of Current Science Association

No. **2211**

INDIAN CHEMICAL SOCIETY
92, ACHARYA PRAFULLA CHANDRA ROAD,
KOLKATA-700 009

Received with thanks the sum of Rs. 5,800/-
 (Rupees Five Thousand eight hundred only)
 from Rabindra Mahavidyalaya (E-944)
 of Champadanga, Hooghly - 712401 being the
 Charges for Annual Subscription for the year 2018 /Donation/Grant/Advertisement/Book/
 Annual postage/Reprints/Symposium by Cheque/Draft/M.O./cash on 03/05/2018

Cal-9

State Bank of India

Honorary Treasurer

Photograph. Subscription Receipt of Current Science Association

युनाइटेड बैंक ऑफ़ इंडिया
UNITED BANK OF INDIA

प्रधान कार्यालय: 11, हेमन्त बसु सरणी, कोलकाता - 700 001
Head Office: 11, Hemanta Basu Sarani, Kolkata - 700 001

चम्परा / Branch
दिनांक / Date

निर्माकृत मांग-पत्र / भुगतान आदेश / डाक
अन्तरण की आवश्यकता है
D.D./P.O/M.T. Wanted as under

स्थान / Place Kolkata

के पक्ष में / Favouring Journal of Management Accountant

राशि / Amount Rs. 1250/- ₹

विनिमय / Exchange Rs. 50/- ₹

कुल / Total Rs. 1300/- ₹

रेकर्डिंग / Cashier

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चम्परा / Branch
दिनांक / Date

(निर्माकृत मांग-पत्र / भुगतान आदेश / डाक अन्तरण की आवश्यकता है)
(Demand Draft/Pay Order/Mail Transfer Wanted as under)

नं. प. / पत्र / डाक अन्तरण की संख्या (बैंक के अन्तरण हेतु) No. of Draft/P.O./M.T. (For Banks' use)	स्थान Place	के पक्ष में डा.अ. की स्थिति में लेख सं. और पत्र In Favour of address & A/c No. In case of M.T.	रशि Amount		विनिमय Exchange		कुल Total	
			₹/Rs.	₹/₹.	₹/Rs.	₹/₹.	₹/₹.	₹/₹.
	KOLKATA	JOURNAL OF MANAGEMENT ACCOUNTANT	1250	00	50	00	1300	00

अर्हक का हस्ताक्षर और पता
Applicant's Signature and Address

रुपये / Rupees One thousand three hundred
(शब्दों में / In Word) मांग / Only

रेकर्डिंग / Cashier

Photograph. Subscription Receipt of Journal of Management Accountant

The Institute of Cost Accountants of India
(Statutory body under an Act of Parliament)

CMA BHAWAN
12, SUDDER STREET, KOLKATA - 700016
PH NO. 2252-1031/1034/1035

RECEIPT NO.: RJ/0006747/NMU-3553 DATE: 04/05/2018

Received With Thanks From

SubscriberNo: NMU-3553

SubscriberName: SUJATA BANDYOPADHYA

RABINDRA MAHAVIDYALAYA
CHAMPADANGA
HOOGHLY

712401

Particulars	Rupees
COURIER CHARGES	250.00
JOURNAL SUBS - NMU (Annual)	1,000.00
Total Amount:	1,250.00

Draft 257828 DATED 28/04/2018

Rupees: One Thousand Two Hundred Fifty Only

Note: Cheques/Drafts are subject to realisation (This is a computer generated receipt and does not require any signature)

Photograph. Subscription Receipt of The Institute of Cost Accountants of India

B.2 Role of Faculties as Ph.D. Supervisor

- Dr. Paritosh Chandra Sinha (Department of Commerce)

Dr. Anjit Chatterjee
Joint Director - Lifelong Learning
In Charge - Research Section

The University of Burdwan
Rajbati, Burdwan- 713104, W.B.
M-9434746604
E-mail: jdirector_jll@buruniv.ac.in

No. R-Ph.D./Regn. / A / Com / 86
Dated: 06.06.2023
Under UGC's New Regulation - 2016

To:
Sri Anirban Biswas
C/O- Dr. Paritosh Chandra Sinha, Dept. of Commerce, Rabindra Mahavidyalaya, Champadanga

Sub: Grant of Registration as a candidate for Ph.D. degree in Commerce
with effect from 17.07.2023

Sir/Madam,

I am to inform you that the Faculty Council for Post-graduate Studies in Arts/ Science at its meeting held on 06.06.2023 permitted you to get yourself registered as a candidate for Ph.D. degree mentioned above, the title of your thesis being, " **A STUDY OF INVESTORS' ATTENTION FOR SELECTING PORTFOLIO IN INDIA** ". Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D. Unit.

In this connection you are requested to note that—

- a) You have been permitted to do research work under Dr. Paritosh Chandra Sinha, Dept. of Commerce, Rabindra Mahavidyalaya, Champadanga as your Supervisor / Co-Supervisors.
- b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 17.07.2029 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

Dr. Debidas Mondal
Joint Registrar

The University of Burdwan
Rajbati, Burdwan- 713104, W.B.
Tel. Nos. +91-0342-2634975
(EPABX) Ext 213
Telegraphic Code : BURDSITY
Tele-Fax : +91-0342-2634015
e-mail : jregistrar@buruniv.ac.in

No. R-Ph.D./Regn. / A/Com/ 178
Dated: 19.03.2023
Under UGC's New Regulation-2009

To:
Sri/Sm Chaitali Pal
C/O Dr. Paritosh Chandra Sinha, Dept. of commerce,
Rabindra Mahavidyalaya, Hooghly

Sub: Grant of Registration as a candidate for Ph.D degree in Commerce
with effect from 14.05.2023

Sir/Madam,

I am to inform you that the Faculty Council for Post-graduate Studies in Arts etc./Science at its meeting held on 22.01.2023 permitted you to get yourself registered as a candidate for Ph.D. degree mentioned above, the title of your thesis being **IMPACT OF DEMONETIZATION ON FIRMS' WORKING CAPITAL MANAGEMENT (WCM): AN EMPIRICAL STUDY WITH FMCG INDUSTRY IN INDIA**. Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8000/- (Eight Thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate.

In this connection you are requested to note that—

- a) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- b) On enrolment, you will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- c) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal / journal having ISSN or in a book having ISBN number before submission of the thesis and produce evidence for the same in the form of acceptance letter or the reprint at the time of submission of your thesis.
- d) You have been permitted to do research work under Dr. Paritosh Chandra Sinha, Dept. of commerce, Rabindra Mahavidyalaya, Hooghly as your Supervisor / Joint Supervisors.
- e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 14.05.2029 in the prescribed manner along with the fee of Rs. 8000/- (Eight Thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.
- f) You will be required to undergo a preliminary test within one year of your enrolment, to be taken by the Supervisor(s) on subject(s) connected with the area of your research as well as on your linguistic equipment as may be prescribed by the Supervisor(s). Further continuance of your research work will depend on satisfactory result at the test. In the event of unsatisfactory result, the appropriate authority of the University

• **Dr. Chirodip Majumdar (Department of Economics)**

Dr. Debidas Mondal
Joint Registrar

The University of Burdwan
Rajbati, Burdwan- 713104, W.B.
Tel. Nos. +91-0342-2634975
(EPABN) Ext 213
Telegraphic Code - BURDITY
Tele-Fax : +91-0342-2634055
e-mail : registrar@univ.ac.in

No. R.Ph.D./ Regn. / A/Econ/

Dated.

To
Shri/SA. Soham Mita
c/o Shri. Prabod Mita
840, Shyam Babu Ghosh
P.O. Chakraborty, D.T. Horigly - 71201

Under UGC's New
Regulation - 2016

Sub-Grant of Registration as a candidate for Ph.D. degree in Economics
with effect from 05-08-2018

Sir/Madam,

I am to inform you that the Faculty Council for the Post-graduate studies in Arts etc./ Science at its meeting held on 18.12.2018 permitted you to get yourself registered as a candidate for Ph.D. degree mentioned above, the title of your thesis being VALUATION OF AIR POLLUTION USING LIFE SATISFACTION APPROACH: A CASE STUDY OF KOLKATA.

Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D. Unit.

In this connection you are requested to note that --

a) You have been permitted to do research work under Dr. Chirodip Majumdar
Dept. of Economics, Rajbati, Mahanagar, Horigly
as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 05-08-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

i) You will be required to appear before Research Advisory Committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D. Programme in the maximum duration. The women candidates may avail Maternity Leave/Child care Leave once in the entire duration of Ph.D. Programme upto 240 days with the permission of the Chairman, Doctoral Committee.

h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.

j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.

k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(i) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central library, Burdwan University at the time of submission of thesis.

Yours faithfully,
CD
Jt. Registrar

No. R.Ph.D./ Regn. / A/Econ/ 545/1(1) Dated: 17-02-2020

Copy forwarded for information to:

1) The Head of the Department of Economics B.U.

Supervisor(s) of the candidate: i) Dr. Chirodip Majumdar Dept. of Economics, Rajbati, Mahanagar, Horigly B.U.

ii) Dr. Chirodip Majumdar Dept. of Economics, Rajbati, Mahanagar, Horigly B.U.

3) The Secretary, Faculty Council for P.G. Studies in Economics B.U.

4) The Finance Officer, B.U.

Jt. Registrar



B.3 Purchasing Scientific Equipment at Laboratory



Stage Micrometer



Ocular Micrometer



pH meter



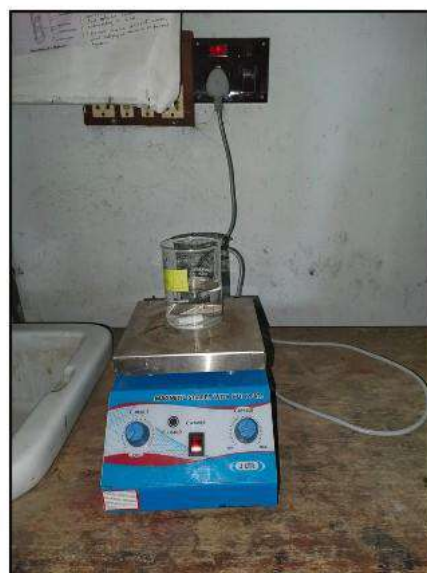
Digital Pan Balance Capacity 200 gm.
Readability 0.001 gm. Model PGB 220



Compound Microscope GB Model



Agarose Gel Electrophoresis



Magnetic Stir



Sedgewick Rafter

Photographs. Equipment at Biological Science Laboratories



Autoclave



Laminar air flow



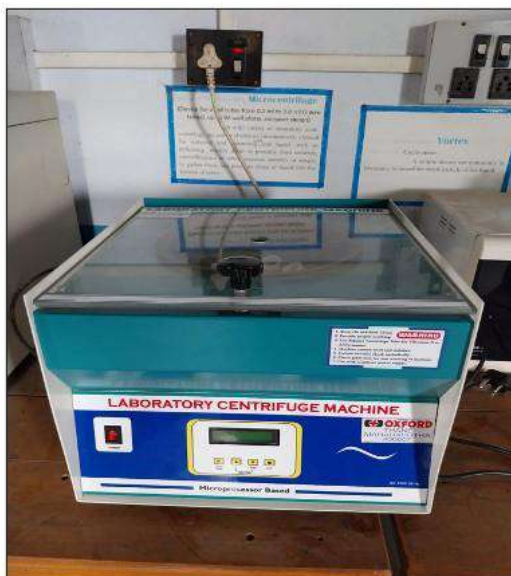
Incubator



UV Spectrophotometer



Cold Centrifuge



Micro Centrifuge



-20 Refrigerator

Photographs. Equipment at Microbiology Laboratory



Remote Sensing and GIS Laboratory



Stevenson Screen



Transit Theodolite



Dumpy Level and Meter Staff



Soil pH Meter



GPS

Photographs. Equipment at Geography Laboratory



Chemistry Laboratory



Physics Laboratory

C. Cultural Innovation

C.1 Event 1: Celebration of Festival of Youth – ‘Basanta Utsab’ – An Initiative after COVID Outbreak

Basanta Utsab is the festival that ushers the beautiful spring season in the young minds. Restoring young people's mental health shortly after the College reopened following the COVID-19 pandemic was a commendable move on the part of the institution. The students were very enthusiastic about this event and they took great effort to organize it. This was an

outdoor programme with a big stage being constructed amidst the stretch of woods inside the College campus. The stage was covered with a green carpet and was decorated with yellow and orange marigold flowers, the colour theme of the event being yellow and green. Students and teachers came dressed in yellow sarees and kurtas matching with the theme. It was breathtaking to see them as they made a procession across the



lush green meadows while singing and dancing with spring songs and sprinkling gulal all around. The Principal inaugurated the programme by lighting a torch that gave out smokes of colored powder. The local officer- in-charge of police was also present at the event. Abir of every hue flew in the air and everyone was smeared in it as the party came to full swing.



Students put up an exquisite performance of song, dance and recitation based on the theme of spring . The programme culminated in a music jockey programme making the students sway to the spring tunes as they soaked up the essence of this festival of youth.

C.2 Event 2: Beautification of College Campus – Mural Painting on Wall by Girl Students



INDIAN KNOWLEDGE SYSTEM (IKS)

Education has always been highly valued in India because of its diverse population, rich history, and rich culture. A comprehensive framework known as the Indian Knowledge System (IKS) has been enforced by the Indian government, which recognises the critical role that education plays in forming the future of the nation. With a blend of modern knowledge and international viewpoints, this system embodies a comprehensive approach to education, taking cues from the nation's traditional knowledge. An emphasis on developing well-rounded people who can make significant contributions to society is reflected in the Indian Knowledge System, which has its roots in the values of inclusion and cultural heritage. This approach emphasises comprehensive development through the arts, athletics, and extracurricular activities, going beyond textbook education. Building pride and a sense of heritage connection through cultural integration is essential. To ensure inclusivity and preserve linguistic diversity, regional languages are supported. In order to prepare students for issues they will face in the real world, practical application of information is prioritised. Recognising the role of technology in the modern world, digital literacy is a key component.

Integrated knowledge system is the brainchild of NEP2020. It defines education system as an integrated whole in which power of knowledge is expressed in such a way so that it can touch the heart and soul of Indian people. The main objective of this system is re-orientation, re-invention and re-modification of the course of knowledge along the line of its glorious past, and maintain its connectivity with the present objectives of value based education.

Being a part of national educational system this institution has been genuinely trying to set it in the motion of the new educational policy. On the backdrop of Covid 19, a gradual shift from offline to online mode has been transmitted and a new set of value changes the dominant outlooks of the existing educational system, most of which are the by-products of colonial educational structure. In the absence of a dominant outlook, a large number of policy and practice has been developed that connects Indian people with their glorious past. Appeal of traditional educational values on the one hand brings people close to their culture and transformative values on the other hand poses a serious threat to the indigenous outlook that sees it as a source of threat. In facing these new challenges this institution launched a series of programmes, details of which are given below-



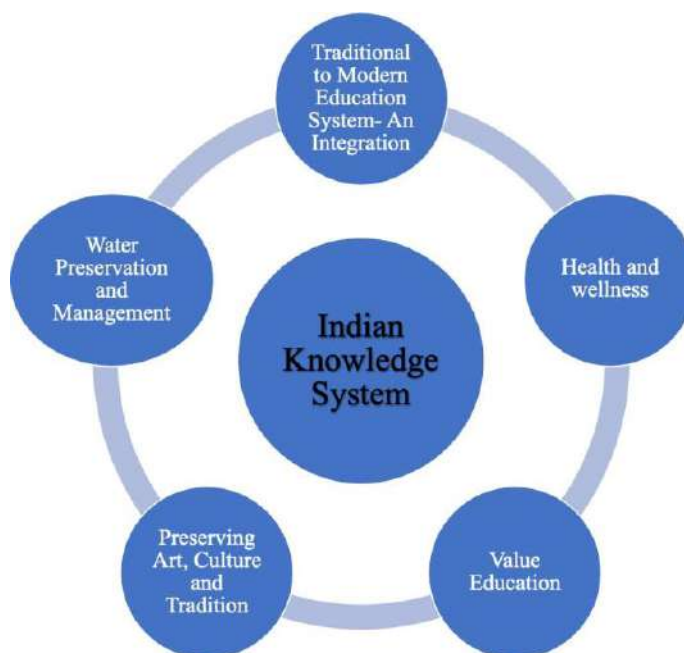
1. The **School of Languages**, to be renamed as the Centre for Languages, is one institutional agency meant for academic or scholarly activity with a view to preserving the native tradition and culture, especially its **linguistic medium** and components that are threatened by the all-pervasive presence of an Anglophonic bias or sometimes even by any Indian language that is regionally predominant. Any historian or researcher understands the importance of preserving the significant registers of a fading episteme that bears hints or suggestions and insights of human progress, culture and evolution that may get obliterated if otherwise not preserved. **Digitization of such records may help in archivization** which the institution has undertaken as a gesture of preservation of the dying modes of communication and as a way of preserving and perpetuating the Indian knowledge system. The Department of Physical Education celebrates the **‘International Yoga day to encourage fitness health and mental hygiene among students in a program appropriately named as ‘Yoga for Humanity’**. It aims to impart knowledge to the students regarding the philosophy of Yoga as one of the sought after training skills which takes care of the body and mind. The traditional language of body and mind coordination is looked upon as a method for creating a robust student strength.

2. On 13 September 2020 a webinar on **Value Education has been organized by the Library** Such a webinar not only helped us reckon are values but prescribed the way through which it can be transmitted from ancient to modern Indian civilization through the evolving educational system. Integrated knowledge system is the brainchild of NEP2020. It defines education system as an integrated whole in which power of knowledge is expressed in such a way so that it can touch the heart and soul of Indian people. The main objective of this system is re-orientation, re-invention and re-modification of the course of knowledge along the line of its glorious past, and maintain its connectivity with the present objectives of value based education.



3. Exploring the importance of water in Indian livelihood and culture, the College chooses to investigate novel viewpoints on water management that provide insights into sustainable living. Implementing 'Jal Dharo Jal Bharo' project successfully, construction of bore well and tank, and last but most importantly the existence of a large natural water body at the centre of the campus reveals unique perspectives of water management of the institution.

4. Beside all these, a number of **cultural programmes like Rabindra Jayanti celebration, Women's Day celebration, Teachers Day celebration** also aimed at inculcating values that helped students develop a holistic notion and facilitated their way to keep a close connection with the moral implications of indigenous and value-based education.



A. Traditional to Modern Education System- An Integration

A.1 Centre for Language Studies

An Overview

The Centre for Language Studies is an exceptional effort of Rabindra Mahavidyalaya to make the study of humanities more up-to-date and Job market oriented. The programme of the Centre will therefore include, on the one hand, the teaching of various Indian and foreign languages, and on the other hand, students will be informed about how to use these languages at a more practical level through technical education. Today Language technology is a very important aspect of education at the state, as well as the central level. We want the students of our centre to have at least some knowledge and experience at the primary level that will enable them to further this practice, and to encourage them to acquire practical education in a more



comprehensive manner. Along with language education, we have also planned to teach some essential software, and even some programming languages. Through this initiative, we will try to give a basic idea of web design, android app design, digital content writing, digital copy editing, digital book designing etc.

Language-technology research is another important aspect of our Centre. In this regard, the New Education Policy 2020 has given us great encouragement. From this new education policy, we have learnt how the government is trying to be proactive in creating an environment of research even at the college level. Similarly, we have also planned to work on various research aspects of language technology through this centre. We want our students to be able to participate in these research projects, get connected, and learn some of the methods of language technology research from here.

Event 1: Workshop by School of Language Studies

○ **Conducting Online International Workshop**

Under the initiative of Dr. Sudipta Bandyopadhyay, Assistant Professor, Department of Bengali, Rabindra Mahavidyalaya and Convenor, The Centre for Language Studies, Rabindra Mahavidyalaya, a five-day international standard online workshop on “Text and Music Digitization” was organized during the lockdown period. In an online event, organised by the Centre, Dr. Samir Karmakar, then Director, School of Language and Linguistics, Jadavpur University, and Dr. Abhishek Basu, then Head of the Department, Department of Comparative Indian Language and Literature, University of Calcutta, discussed how students can broaden their future prospects from this Centre.

○ **Students’ Research Paper presentation at National Level Seminar**

Under the initiative of the convener of this Center, some students of the Bengali and Sanskrit departments have presented some research papers on language-technology in a national level seminar organized by Bharatiya Bhasha Samiti, Ministry of Education and the National Library, Kolkata in April 2023.

○ **Students’ Participation in Machine-Learning Seminar**

As directed by the centre, a student of the Bengali department of the college has even participated in a five-day seminar on machine learning organized by the Centre for Distributed Computing of Jadavpur University in July 2023 also. Since February 2024, under the supervision of convener Dr. Sudipta Bandyopadhyay, important research work



such as the preparation of a practical digital dictionary on more than ten languages of North Bengal has started at this Centre.

Objectives

1. **Promotion of Comparative Study:** Language centres aim to facilitate the promotion of **comparative study** of Indian languages, literature, and culture.
2. **Quality Education:** Language centres strive to provide **quality education** at postgraduate and doctoral levels.
3. **Research and Enrichment:** These centres promote research in **theoretical, applied, and interdisciplinary areas** of language studies. They contribute to mutual enrichment by fostering a deeper understanding of languages and their cultural contexts.
4. **Emotional Integration:** By studying and appreciating diverse languages, these centres contribute towards the **emotional integration** of people within a country.
5. **Foreign Language Learning:** The language centres also cater to foreign language needs.

Outcomes

1. Students should be familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts.
2. They should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres.
3. Students should be able to identify, analyze, interpret, and describe the critical ideas, values, and themes that appear in literary and cultural texts, understanding how these ideas impact culture and society.
4. Proficiency in writing analytically in various formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.
5. Ethical skills in gathering, understanding, evaluating, and synthesizing information from written and electronic sources.
6. Proficiency in oral communication and writing.

Impact

Language studies centres contribute significantly to students' intellectual growth and cultural literacy. By engaging with literary and cultural texts, students develop flexibility, creativity, and lifelong learning skills. High-quality college experiences enhance students' involvement in social and academic activities, ultimately supporting their learning outcomes.



7 Day Online International Workshop

No Registration Fees

Text and Music Digitization

All are cordially welcome

Registration Link
<https://forms.gle/3J2FFjqdNedDmK7>

14 - 20 July 2020

11A.M. - 2P.M.


Important Notes for Participants

- Joining link will be closed on 11th July 2020 at 7 P.M. sharp.
- The e-certificates will be issued only to those participants who will attend the online workshop and submit all the feedback forms. The feedback forms will be available on the dashboard in the organizational email.
- Development of certificate may take 7 days to come.
- No registration fees for the participants.
- The willing participant may get 10 minute rest, to present a paper on the first day of the workshop.
- The willing participant, those who want to present a paper must submit its abstract maximum 300 words before 18th of July 2020.
- All the lectures of the Workshop will be delivered online in English and Hindi.

email
rmvonlineacademy@gmail.com

09836011178
08902669704
09830600688

Contact



Organized by

IQAC

Rabindra Mahavidyalaya
Champuradanga, Hooghly

Principal

Prasanta Bhattacharyya

IQAC Coordinator

Tanmay Bandyopadhyay

Convener

Sudipta Banerjee

Int. Convener

Debjyoti Bhattacharya



প্রস্তুতি পাঠশালা : বিষয় তুলনামূলক সাহিত্য প্রাথমিক ধারণা ও কথোপকথন

1.2K views 2y ago ...more

 **RMV Online** 1.39K

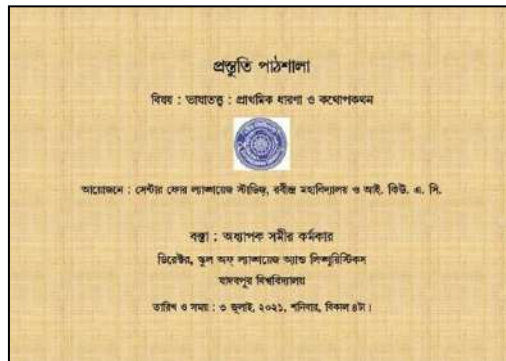


প্রস্তুতি পাঠশালা : বিষয় ভাষাতত্ত্ব প্রাথমিক ধারণা ও কথোপকথন

218 views 2y ago ...more

 **RMV Online** 1.39K





Various Activities by School of Language Studies



A.2 Department of Sanskrit- Developing Language Skills

Event 2: 7 Days Online Workshop

Date: 21st July to 27th July 2021

Theme: Sanskr̥ ta Sambhāṣaṇa Barga Participations: Students of Department of Sanskrit

Programme Details:

A 7days online workshop was organized by the Sanskriti department. The programs started every day at 3:00 p.m. through Google Meet Dr. Kashinath Nandi professor of the Sanskrit department Kaliachak college, Maldah was the speaker of the event. The principal advisor was Dr. Prasant Bhattacharya Principal of the college and the special advisor was Prof. Tanmay Bandopadhyay, Convenor of IQAC. The program was a convent and conducted by the head of the department Professor Amita Mandi, joint conveners were Prof. Alympia Sarkar and Prof. Debasri Manna. Dr. Doyel Ganguly gave the vote of thanks on the occasion. IT sub-committee member Prof. Dejyoti Bhattacharya was the technology facilitator and organizer.

Outcome:

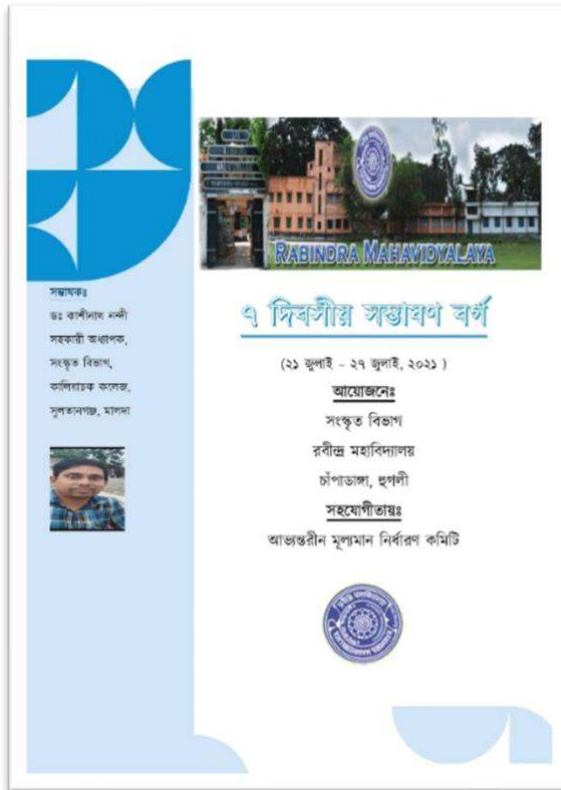
- Understanding other languages
- Improving memory and concentration
- Developing analytical skills
- Improving expression

Impact:

- **Clarity in speech:** Sanskrit can help improve clarity in speech and linguistic skills.
- **Stress management:** Sanskrit can help students achieve calmness and fortitude in stressful situations.
- **Values:** Sanskrit can inspire values like truth, discipline, and devotion.
- **Understanding other languages:** Sanskrit is the root of Hindi and many other Indo-European languages, so learning it can help students understand the structure of other modern languages.
- **Speech therapy:** Sanskrit can be beneficial in speech therapy, and the pronunciation of its vowel sounds can provide benefits similar to Yoga asanas.



- **Critical thought:** Learning Sanskrit can help improve critical thought, language comprehension, and verbal memory retention skills.
- **Reading comprehension:** Learning Sanskrit, especially at a young age, can improve a child's reading comprehension and speed.
- **Systematizing thinking:** Speaking Sanskrit, which is known for its precise grammatical structure, can help students systematize their thinking process and improve expression.
- **Spiritual connection:** Sanskrit is the language of sacred scriptures, which can deepen a student's spiritual journey.



Photographs. Brochure of the Programme



Event 2: A Movie Show at Sanskrit Language

Venue: Room no.48, Rabindra Mahavidyalaya, Champadanga

Date: 03.11.2018

Time: 11a.m towards

Movie name: **Abhijñāna śakuntalam**

Participants: 74

Programme Details: The event started with an introductory speech by the Head of the Department, Amita Mandi in the presence of the Principal, Dr. Prashanta Bhattacharyya. She briefed the students regarding the film and its relevance to appreciate Kalidasa's poetic sensibilities. Followed by Professor Akympia Sarkar, Dr.Doyel Ganguly, Prof. Debasri Manna and Prof. Debjyoti Bhattacharya , who also shared their insights regarding the context of the film.

Outcome:

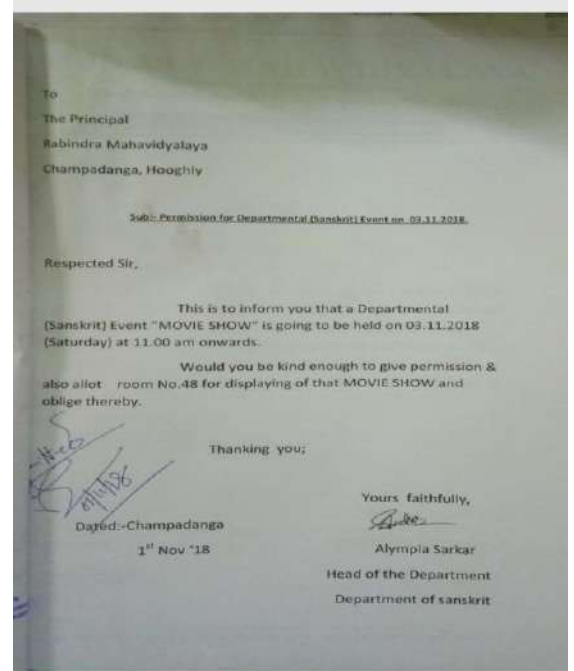
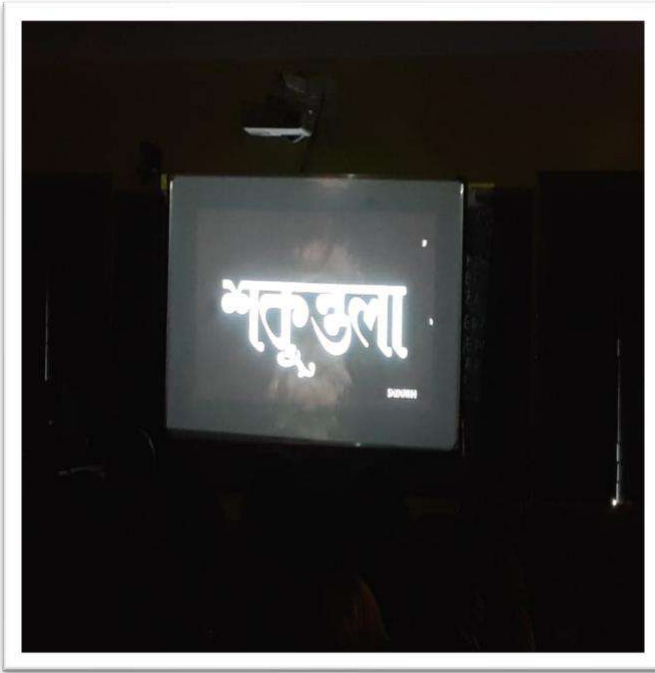
- Support Student Well-Being and Mental Health.
- Strengthen Cognitive Skills.
- Increase Language Development.
- Improve Understanding of Literature.
- Connect to History and Create Awareness on Challenging Topics.

Impact:

- Engage students
 - Movies can make learning more interesting and efficient through visual learning. They can also provoke thoughts, engage students, and inspire them to participate in shaping a better future.
- Improve skills
 - Students can improve their speaking, listening, reading, and writing skills through film adaptations.
- Support mental health
 - Movies can support student well-being and mental health. Cinematherapy has been found to reduce academic anxiety in students, potentially improving their learning motivation and achievement.
- Increase creativity
 - Movies can spark students' imaginations and creativity by showing interesting scenes, unique characters, and creative plots.



- Introduce cultures
 - Movies can introduce students to different cultures and art forms, and help them gain knowledge about how different people lead their lives.
- Teach practical life
 - Movies can teach students about practical life by showing incidents like emergencies, which can help them learn things to apply in real life.
- Create awareness
 - Movies can create awareness about social issues like discrimination, mental health, gender equality, and human rights.
- Influence beliefs
 - Movies can influence students' beliefs, attitudes, and stereotypes pertinent to certain social issues and marginalized communities.



Photographs of Movie Show and Notice

B. Health and Wellness



Observing Yoga Day at College, and conducting District Sports by the Department of Physical Education reflect promoting awareness of good health among the pupils.

C. Value Education

Resource Persons	 <p>Swami Mahaprajnananda Vice Principal (Offg.) Ramakrishna Mission Vidyamandira Belur Math, Howrah, West Bengal</p>		<p>A special speech on Value Education during this present situation will be delivered by:</p>		 <p>Dr. Samantak Das Professor Dept. of Comparative Literature Jadavpur University, West Bengal</p>		 <p>Swami Dibyananda Secretary, Pranavananda Vidyamandir and Overseas Representative, Bharat Sevashram Sangha</p>		<p>RABINDRA MAHAVIDYALAYA Webinar Series (no.- 9) Two-Days National Webinar on Value Education in COVID-19 Pandemic</p> <p>Jointly organised by the Library and the Internal Quality Assurance Cell (IQAC)</p>  <p>Rabindra Mahavidyalaya Champadanga, Hooghly West Bengal, India</p>	
	Day-I		Day-II		<p>September 12-13, 2020 at 5:00 P.M. to 7:00 P.M. (IST)</p>		<p>Registration link: https://forms.gle/DotKrRd9vRn7pGRD7 Join in WhatsApp Group: https://chat.whatsapp.com/KpENLWJq2izJQqlq9JuLWQ OR in Telegram Group: https://t.me/joinchat/SLAy8hrib6vQHxWHE9z4og Webinar Joining link: https://www.rmvonline.in/webinar/</p>			
Introductory Speech		<p>Inaugural Speech</p>  <p>Dr. Prasanta Bhattacharyya Principal Rabindra Mahavidyalaya</p>		<p>Introduction</p>  <p>Prof. Tanmay Bandyopadhyay Associate Professor, Coordinator, IQAC Rabindra Mahavidyalaya</p>						
		Webinar Team		<p>Convener & Host</p>  <p>Dr. Pronobi Porel Librarian Rabindra Mahavidyalaya</p>		<p>Joint Convener</p>  <p>Mr. Bikash Kumar Halder Librarian Rabindra Mahavidyalaya</p>		<p>E-Certificates will be issued to only those registered participants who attend the entire program. Distribution of E-Certificates may take 5 or more days.</p>		
<p>Dr. Rabiul Alam Assistant Professor & Head Dept. of Chemistry Rabindra Mahavidyalaya, IT Support</p>				<p>Contact 8617492918 rmvonlineinfo@gmail.com</p>						

Conducting Online Seminar on Value Education during COVID period



D. Preserving Art, Culture and Tradition



Photographs of arranging Alpana competition for the students



Photographs of celebrating Rabindra Jayanti at College



Photographs of conducting Drawing Competition for School Students at the surroundings

E. Knowledge and Science of Longevity



Plantation programme in our college campus – Maintaining tradition





CHARAK UDYAN				DHANWANTARI UDYAN			
PLANTS LIVING TOGETHER IN THIS GARDEN				PLANTS LIVING TOGETHER IN THIS GARDEN			
	SCIENTIFIC NAME	FAMILY	VERNACULAR NAME		SCIENTIFIC NAME	FAMILY	VERNACULAR NAME
01	<i>Azadirachta indica</i>	Meliaceae	Neem		<i>Catharanthus roseus</i>	Apocynaceae	Madagascar Periwinkle
02	<i>Swietenia mahagoni</i>	Meliaceae	Mahogoni		<i>Ocimum sanctum</i>	Lamiaceae	Holy Basil
03	<i>Nyctanthes sp.</i>	Oleaceae	Shull		<i>Eclipta alba</i>	Compositae	Karam
04	<i>Azadirachta indica</i>	Meliaceae	Neem		<i>Andropogon paniculatus</i>	Acanthaceae	Kalmegh
05	<i>Citrus lemon</i>	Rutaceae	Pati lebu		<i>Datura stramonium</i>	Solanaceae	Datura
06	<i>Aloe vera</i>	Liliaceae	Ghritokumari		<i>Aloe vera</i>	Liliaceae	Ghritokumari
07	<i>Thevetia peruviana</i>	Apocynaceae	Kolkey		<i>Ocimum sp.</i>	Lamiaceae	Neem
08	<i>Tectona grandis</i>	Verbenaceae	Salun		<i>Adhatoda vasica</i>	Acanthaceae	Vasata
09	<i>Litchi chinensis</i>	Sapindaceae	Litchu		<i>Hydrophila spinosa</i>	Acanthaceae	Kulabharu
10	<i>Averrhoa carambola</i>	Oxalidaceae	Kamranga		<i>Bacopa monnari</i>	Scrophulariaceae	Brahmi
11	<i>Terminalia chebula</i>	Combretaceae	Haritaki		<i>Centella asiatica</i>	Umbelliferae	Thudaka
12	<i>Terminalia arjuna</i>	Combretaceae	Arjun		<i>Mentha sp.</i>	Lamiaceae	Saundhali
13	<i>Terminalia bellerica</i>	Combretaceae	Bahara		<i>Fragaria sp.</i>	Rosaceae	Saundhali
14	<i>Asparagus racemosus</i>	Liliaceae	Satmuli		<i>Rauvolfia serpentina</i>	Apocynaceae	Kandula
15	<i>Syzygium sp.</i>	Myrtaceae	Challa		<i>Siphocampylus</i>	Menispermaceae	Kandula
16	<i>Dillenia indica</i>	Dilleniaceae	Challa				



Photographs of preparation of beds of Medicinal Garden, adopting plants, naming of plants, and display of names of Medicinal plants

F. Bhartiya Perspectives of Water Management



Maintenance of water bodies and distribution system



Natural water body at the centre of the College campus

Construction of tanks and bunds



Tank on the roof of Bio-Science Building



Tank outside the main building



Tank for students' drinking water purpose at the main campus

