

**THREE DAYS
INTERNATIONAL SEMINAR
ON
SYSTEMATIC APPROACHE TO MODERN SCIENCES AND ITS PHILOSOPHICAL IMPACTS**

Will be held on 6th – 8th February, 2020

Organized by

**Departments of Physics, Chemistry, Mathematics,
Computer Science, Zoology & Philosophy**

**Bajkul Milani Mahavidyalaya
P.O. Kismat Bajkul, Dist. Purba Medinipur
West Bengal, India, Pin- 721655**



In collaboration with

**Prabhat Kumar College
Contai, Purba Medinipur, West Bengal, India**

Venue

**Swami Vivekananda Seminar Hall
Bajkul Milani Mahavidyalaya**

Theme

Systematic Approach to Modern Sciences and Its Philosophical Impacts:

Biological science is now seen as an informational science. A living Biological cell is considered as a complex system which is self-organizing. In literature there are more rigorous and mathematical notions of complexity which increases in self-organizing system when it organizes itself. Computational universality is another mathematical property related to self-organizing system. It is an established fact that if a system has the property of computational universality then it is capable of performing complex behavior and that can be digitally simulated. After the discovery of genetic code (1961) many years have passed and it is now claimed that synthetic (possibly artificial) form of viable life (2019) is possible to be developed. A living cell is now considered as a supercomputer, an information processing and replicating system of extraordinary fidelity. The sequence structure of DNA is causally related to the production of proteins in systematic way. At this stage the emergence of information in semantic levels is studied from the naturalistic view points of Thermo dynamical (Boltzmann) and evolutionary (Darwinian) process. Though it is difficult and complicated to make a comprehensive understanding about the correlations among facts of nature in different scales of space, time and quantity, it is true that starting from the laws of physics chemical, biochemical and biological facts can be established. The underlying belief in modern science is that from this naturalistic view point one day we will be able to reproduce the viable facts. On the background of this scenario mathematics and computational science are playing the vital role not only facilitating computation in data analysis and modeling but also affecting the view points of the modern sciences by stimulating their philosophy. Seth Lloyd's view of the computational nature of the universe develops the explanatory scheme, information \rightarrow laws of physics \rightarrow matter in converse to the picture mathematics \rightarrow physics \rightarrow information. One of the oldest problems of philosophy concerning the mind and brain dichotomy now falls into the information-matter dichotomy. Fundamental ingredients of living bodies (also dead) are chemicals. Chemical behaviors are of quantum mechanical origin. Does consciousness emerges from these underlying quantum behaviors of nature at some level? Is it possible to find an origin of semanticism or free will inherent in this realm? What is the nature of space, time and reality? All these are metaphysical queries based on the above mentioned physical facts and discoveries.

This seminar is going to be a platform for interaction of ideas amongst the academicians, researchers and all other participants from various institutions of different corners of our state, our nation and other countries to draw a comprehensive picture of the above mentioned matters.

Sub-Themes

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| <ol style="list-style-type: none">1. Mathematical foundations of sciences2. Probability and Fuzzy metric space3. Topology and its applications4. Functional analysis5. Algebra and its applications6. Optimization technique7. Soft computing8. Fuzzy logic9. Image processing10. Cryptography11. Internet of things12. Quantum theory13. Information and entropy14. Quantum computation15. Information and communication16. Mathematical theory of information17. Quantum Chemistry and Quantum Computer | <ol style="list-style-type: none">18. Quantum computational chemistry19. Biochemistry20. Bioinformatics21. Role of mathematics in biology22. Computational method for understanding complexity in evolution, molecular biology, ecology taxonomy and systematic biology23. Biophysics24. Information and the living body25. Neurophysical model of mind-brain interaction26. Semantic dimension of information27. Neuroscience and psycho-semantics28. Information and the Universe29. Space, time and reality30. Nature of causality31. Science and ethics32. Matter, mind and God |
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Invitation

It is a great pleasure to inform you that the Departments of Physics, Chemistry, Zoology, Mathematics, Computer Science and Philosophy of our college, Bajkul Milani Mahavidyalaya in collaboration with the Prabhat Kumar College, Contai, are going to organize a three days international seminar on “Systematic Approach to Modern Sciences and Its Philosophical Impacts” on and from 6th to 8th February, 2020 in our college campus.

This seminar is going to be a platform for interaction of myriad ideas amongst the academicians, researchers and all other participants from various institutions of different corners of our state, nation as well as of other country.

So it is our pleasure to invite you and to request you for participation in this seminar for making it a grand success.

Thanking you.

Dr. Arindam Roy
Joint Convener
Department of Computer Science
P. K. College, Contai

Prof. Sujit Maity
Convener
Department of Philosophy,
Bajkul Milani Mahavidyalaya, Bajkul

College at a Glance:

The **Bajkul Milani Mahavidyalaya** was established on the 3rd September, 1964 as a Government Sponsored college under the Calcutta University, West Bengal, India. It has come under the purview of the Vidyasagar University, West Bengal, India since 1985. Its birth initially owes to the sacrifice of the local people in the form of financial assistance and landed property.

The environment of the college has charming view in the background of a luxuriant landscape of rural and semi-urban nature. It is situated by the side of Digha-Kolkata high way and Digha-Howra South-Eastern Railway. Our college consists of big play ground, charming flower gardens, indoor sports training facilities, student's hostel, pond, canteen, teacher's dormitory, gymnasium, purified water supply etc.

At our College, a wide variety of subjects are offered at the undergraduate level. The post graduate courses are offered in Sanskrit, Bengali, Geography, Philosophy and History and also offers technical courses like major in automobile and ITI.

Location & Communication

Geographically, our institution, Bajkul Milani Mahavidyalaya is in between 22°01'37.5" N to 22°01'29.9" N latitude and 87°49'11.3" E to 87°49'01.6" E longitude. Geomorphologically, this is on Bajkul Suburb zone over coastal Purba Medinipur. The site of the college has charming view in the background of luxuriant rural landscape of nature. At the same time it enjoys a network facility of communications making possible quick travels to important places like Digha (towards South), Calcutta (towards North), two neighborhood district towns, Midnapore (towards North-West) and Tamluk (towards North) and Bhagwanpur police station (towards West).

Eminent Resource Persons:

1. Professor Baoding Liu	Professor, Tsinghua University, China
2. Professor Jinwu Gao	Professor, Tsinghua University, China
3. Professor Gyei Kark Park	Professor, Mokpo National Maritime University, South Korea
4. Dr. Manas Pratim Das	Programme Executive, All India Radio, Kolkata, India
5. Dr. Purnaslok Bhaduri	Professor, Dept. of Biological Science, IIESR-Kolkata.
6. Dr. Dilip Kumar Maity	Professor, Dept. of Mathematics, Vidyasagar University
7. Dr. Kallol Pal	Professor, Dept. of Mathematics, Jadavpur University
8. Dr. Mainak Pal	Assistant Professor, Dept. of Philosophy, Presidency University
9. Dr. Nirmal Kumar Sarkar	Ex-Professor, Dept. of Zoology, Presidency University
10. Prof. Dr. Bholanath Mondal	Department of Chemistry, University of Burdwan

Registration Fees

Category of Delegates	Registration fees
Academician / Full Time Teacher	1200/-
State Aided College Teacher / Research Scholar / Other Faculty	700/-
Students	300/-
Accompanying Person (Per Head)	1000/-

Payment Details

Demand draft must be drawn in favor of: **Bajkul Milani Mahavidyalaya**, payable at Bajkul. Online payment can also be done. The payment details are as follows:

Beneficiary Name:	Bajkul Milani Mahavidyalaya
Beneficiary Bank Name:	State Bank of India
Bank Address:	Vill : Tethibari, P.O.: Kismat Bajkul, Dist.: Purba Medinipur, Pin: 721655
Account No.	32218204423
Branch Name :	Bajkul
Branch Code:	12452
IFSC Code :	SBIN0012452
MICR:	721002711

Guide line for the Submission of Abstracts and Full Papers

Title :	A good brief title within 15 words is suggested
Word Limit for Abstract :	Within 300 words
Word limit for Full Paper :	Maximum six pages
Key words :	Not more than five
Page layout :	Normal to moderate
Format of main text & footnotes	The times new roman
Title front	12 in time roman for Abstract and 16 for Full Paper
Front size	10 for text entries & 11/10 for footnotes
Line spacing	Single space
Authorship	Entries can be co-authored, but limited to maximum three authors per entry
Mode of submission	Entries of seminar papers/ abstracts are to be sent through e-mail; No hard copy of the same is not required
Mail ID for Abstract & Full Paper Sending:	dipanjan2010@gmail.com , ismailsk44@gmail.com , asgar.ali7225@gmail.com , habibullahmallick1988@gmail.com , dasrabin0@gmail.com , sunirban.das@gmail.com .

Time duration for paper presentation: 10+2 minutes

❖ Time lines for submission of registration forms, Abstracts and full papers

Last date for submission of online registration form	25.01.2020
Last date for submission of Abstract	20.01.2020
Last date for submission of full paper	04.02.2020
Intimation of the acceptance of the abstract	05.02.2020

Plagiarism must be considered in case of paper selection.

Accepted full papers will be reviewed and published in a UGC referred journal

Poster Presentation

Title: Title should be balanced with the theme or any of sub-themes of the seminar

Name of author (s):

Designation:

Affiliated organization or institution:

Objectives:

Content:

Poster size: within 3ft x 2.5 ft

Font: Times new Roman

Poster must be printed

For more information please contact

Name of person	Phone No.
Dr. Sunirban Das	9073532760
Dr. Samir kumar Bhandari	8016649105
Prof. Sujit Maity	8145395092
Prof. Biswanath Dolai	9547360567
Dr. Dipanjan Ray	9874536542
Dr. Sourav Samanta	9635930940



Three Days International Seminar

REGISTRATION FORM

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Contai, Dist.-Purba Medinipur, West Bengal, India

Name :

Designation :

Department :

Name of Institution :

Address:

Mobile Number: E-mail Id :

Dietary Preference: (Veg./ Non-veg.) :

Registration as: (Faculty/ Research Scholar /Student/ Others) :

Whether Participant is a Paper or Poster Presenter :

Title of the Paper/ Poster :

Details of Registration fee (in rupees) : (in words) :

Demand Draft No. : Date :

Issuing Bank : Branch:

I hereby declare that the particulars furnished by me are true to the best of my knowledge. The paper submitted in the seminar has not been presented elsewhere.

Signature of participant

Date:

Place:

Note:

- (1) Scanned copy of filled form must be sent by email.
(2) In case of accommodation requirement, please communicate to- 8016649105 / 8145395092 / 9547360567 / 9874536542