

Proofs for S. No. 7-14 under Key Performance indicators

7. No. of hands-on experiments being conducted (both in Pre-support and during support)

Department of Chemistry

Year	List of Experiments	
	Pre-support	After/during support
1st SEM I + II	i. Identification of pure organic compound, ii. Determination of pH of unknown solution, iii. Estimation of metal ions in a given mixture using $K_2Cr_2O_7$ and $KMnO_4$ solution, iv. Bromination of anilides using green approach, v. Preparation of organic compounds by condensation method etc.	All the pre-support experiments as listed in the left side column have been conducted during this academic year. Besides, the following experiments are also conducted in excess. 1. Carbohydrate and protein estimation in jam, bread, cookies, dahi, cake, lassie etc by spectrophotometrically 2. Quantitative test for saponin content in quinoa flour
2nd SEM III + IV	i. Determination of viscosity of unknown liquid (glycerol, sugar) with respect to water, ii. Conductometric titration of an acid against strong base, iii. Estimation of Vitamin C, iv. Estimation of available chlorine in bleaching powder, v. Estimation of Fe in cement, vi. Potentiometric titration of Mohr's salt solution against standard $K_2Cr_2O_7$ solution, vii. pH metric titration of acid against strong base, viii. Estimation of hardness of water, ix. Preparation of aspirin etc.	3. Critical Micelle Concentration (CMC) determination of a surfactant (Sodium Dodecyl Sulphate) by using Tensiometer 4. Dye degradation with Transition metal complex 5. Estimation of nitrogen, phosphorous and potassium (NPK) in the fertilizer free soil 6. Determination of arsenic(III) in ground water by spectrophotometric technique 7. Estimation of fluoride in ground water by spectrophotometric technique
3rd SEM V + VI	i. Estimation of Ni(II) using DMG, ii. TLC separation of a mixture containing 2/3 dyes, iii. Qualitative semi micro analysis of mixtures containing four radicals, iv. Determination of surface tension of a liquid using Stalagmometer.	

Department of Mathematics

Year	List of Experiments	
	Pre-support	After/during support
UG 1 st	No experiments in the syllabus	All the pre-support experiments as listed in the left side column have been conducted during this academic year. Besides, the following experiments are also conducted in excess. 1. Computational Methods for Numerical techniques using Matlab"
UG 2 nd	1. Calculate the sum $1/1 + 1/2 + 1/3 + 1/4 + \dots + 1/N$. 2. Enter 100 integers into an array and sort them in an ascending order. 3. Solution of transcendental and algebraic equations by Bisection method, Newton Raphson method, Secant method, Regula Falsi method 4. Solution of system of linear equations by LU decomposition method, Gaussian elimination method, Gauss-Jacobi method, Gauss-Seidel method 5. Interpolation: Lagrange Interpolation, Newton Interpolation 6. Numerical Integration by Trapezoidal Rule, Simpson's one third rule, Weddle's Rule, Gauss Quadrature 7. Method of finding Eigenvalue by Power method 8. Fitting a Polynomial Function 9. Solution of ordinary differential equations by Euler method, Modified Euler method, Runge Kutta method	
UG 3 rd	No experiments in the syllabus	
PG 1 st SEM I	1. Working with matrix, 2. Graph Plotting, 3. Modifying the Graph Data Source, Annotating Graphs for Presentation, and Exporting the Graph. 4. Multiple Plots in One Figure, Controlling the Axes, Adding Axis Labels and Titles, Saving Figures. 5. Programming: Conditional Control, Loop Control, Error Control, Program Termination 6. Scripts and Functions: Types of Functions, Global Variables, Systems of Linear Equations, Inverses and Determinants, Factorizations, Powers and Exponentials, Eigen values, Singular Values. 7. Polynomials: Polynomial functions in the MATLAB environment	2. Computational Methods for Numerical techniques, differential equation and Graph drawing using Matlab" 3. Computational Methods and Algorithm development using C language
SEM II	1. Searching and Sorting Problems, 2. Numerical Problems: (i) Evaluation of determinant by Gauss elimination method, using partial pivoting. (ii) Matrix inverse by partial pivoting. (iii) Solution of system of linear equations by Gauss Seidal iteration method, (iv) Interpolation: Difference table, Lagrange, Newton forward and backward interpolation, Cubic spline interpolation. (vii) Integration: Gauss quadrature rule, Integration by Monte Carlo method, Double integration. (viii) Solution of ODE: Eulers and Modified Eulers, Runge-Kutta, Predictor and Corrector method: Milne method. (ix) Solution of PDE by Finite difference method. (x) Eigen value of a matrix: Power method, Jacobi method. 3. Statistical Problems 4. Problems on LPP by Simplex Method, Revised Simplex Method. 5. Problems on Stochastic Programming.	4. Project numerical simulation using LINGO software 5. Project Numerical evaluation, Graphical Presentation and Analytical Solution using Mathematica 9.0 6. Project paper presentation and written using LATEX

PG 2nd SEM IV	1. Problems on LPP by Simplex Method 2. Problems on LPP by Revised Simplex Method 3. Problems on Stochastic Programming 4. Problems on Geometric Programming 5. Problems on Bi-matrix Games 6. Problems on Queuing Theory.	
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Department of Zoology

Year	List of Experiments	
	Pre-support	After/during support
1st SEM I + II	1. Identification, staining and mounting of protozoa and helminths from gut content of cockroach. 2. Study of an aquatic ecosystem: Dissolved Oxygen content (Winkler's method), Chemical Oxygen Demand and free CO ₂ . 3. Preparation of permanent slide to show the presence of Barr body in human female blood,	All the pre-support experiments as listed in the left side column have been conducted during this academic year. Besides, the following experiments are also conducted in excess.
2nd SEM III + IV	1. Preparation of temporary mounts: squamous epithelium, striated muscle fiber and nerve cells 2. Qualitative test of functional groups in carbohydrates, proteins and lipids, 3. Quantitative estimation of Lowry Methods to study enzyme activity of Trypsin and Lipase and to perform the acid and alkaline phosphatase assay from serum/ tissue 4. Dissection of Tilapia: circulatory system, Brain, Pituitary, urinogenital system 5. Preparation of stained blood film to study various type of blood cells ABO blood group determination.	1. BOD determination of pond water used for domestic purpose in the surrounding locality 2. Eurothelial Micronuclei study of the students 3. Awareness Camp on Obesity and Women Reproductive Health 4. Biomass smoke exposure Increase Alveolar Macrophage in relation to respiratory Symptoms and Pulmonary Functions among the rural women in West Bengal: A Preliminary Study
3rd SEM V + VI	1. Isolation and quantification of genomic DNA using spectrophotometer (A260 measurement) 2. Agarose gel electrophoresis for DNA 3. Genomic DNA isolation from E.coli 4. Study of developmental stages and life cycle of Drosophila from stock culture. 5. Study of monogenea from the gills of fresh/marine fish 6. Study of nematode /cestode parasite from the intestine of poultry bird.	

8. No. of new experiments introduced**Department of Chemistry**

Year	List of new Experiments	
	Pre-support	After/during support
1 st	Nil	1. Estimation of arsenic/ fluoride in ground water, 2. Estimation of carbohydrate, protein in functional foods
2 nd	Nil	3. Determination of pH of soil, 4. Acidity and alkalinity of water sample, 5. Isoelectric pH of protein, 6. Electrophoretic separation of serum protein
3 rd	Nil	7. Synthesis of Nano crystalline compounds by hydrothermal methods and their application in catalysis & environmental remediation, 8. Viscosity determination of surfactant like substances to be bound with carbohydrates, proteins, DNA etc, 9. DNA/Protein interaction studies of metal complexes, 10. Degradation of carcinogenic organic dyes under sunlight irradiation

Department of Mathematics

Year	List of new Experiments	
	Pre-support	After/during support
UG 1 st	Nil	1. Programming in MATLAB: Working with matrix
UG 2 nd	Nil	2. Programming in MATLAB: Graph Plotting
UG 3 rd	Nil	3. Programming in MATLAB: Graph Plotting
PG 1 st	Nil	1. Programming in C++ 2. MATLAB Conditional Control
PG 2 nd	Nil	1. Programming in C++ 2. MATLAB: Solution mixed integer linear programming problem. 3. LINGO: Solution mixed integer linear programming problem. 4. MATHEMATICA : Solution mixed integer linear programming problem.

Department of Zoology

Year	List of new Experiments	
	Pre-support	After/during support
1 st	Nil	1. Determination of BOD
2 nd	Nil	2. Preparation of genomic DNA from E. Coli and different animals including human being 3. Microtomy, 4. Micronuclei study, Alveolar macrophage study, Single nucleotide polymorphism study
3 rd	Nil	5. DNA, RNA isolation, PCR, RFLP, 6. Measuring air capacity in lungs of human, 7. Indoors and outdoors pollution measurement,

9. Publications (Scopus indexed) /patents, if any

Department of Chemistry

Sl No	List of Publications (Scopus indexed)	
	Pre-support (2019-20 & 2020-21)	After/during support
1	K. Jana, S. Das, H. Puschmann, S. C. Debnath, A. Shukla, A. K Mahanta, M. Hossain*, T. Maity*, B. C. Samanta*, Inorganic Chimica Acta, 487, 128-137, (2019).	1. R. Maity, B. Manna, S. Maity, K. Jana, T. Maity, M. Afzal, N. Sepay, B. C. Samanta*, Inorganics 2024, 12(1), 19; https://doi.org/10.3390/inorganics12010019 2. M. Maity, R. Maity, T. Sarkar, A. Bhakat, P. Brandao, T. Maity, P. Das, K. Sarkar, B. C. Samanta*, ACS Appl. Bio Mater., 6, 11, 4836–4845, (2023) https://doi.org/10.1021/acsabm.3c00590 3. P. Acharya, A. Kuila, U. Pramanik, V. R. Hathwar, P. Brandao, S. Mukherjee, S. Maity, T. Maity, R. Maity, B. C. Samanta*, RSC Advances, 13, 7632-7644, (2023), DOI: 10.1039/D2RA08341H 4. R. Maity, M. Maity, K. Jana, T. Maity, N. Sepay, B. C. Samanta*, New J. Chem., 47, 2673-2681, (2023) https://doi.org/10.1039/D2NJ05462K 5. M. Maity, U. Pramanik, V. R. Hathwar, P. Brandao, S. Mukherjee, S. Maity, R. Maity, T. Maity, B. C. Samanta*, Heliyon, 8, e11345, (2022) https://doi.org/10.1016/j.heliyon.2022.e11345 6. P. Acharya, R. Maity, A. Kuila, T. Maity, S. Maity, N. Sepay, B. C. Samanta*, Applied Organometallic Chemistry 36 (5), e6640 (2022). https://doi.org/10.1002/aoc.6640 7. A. Kuila, R. Maity, P. Acharya, P. Brandão, T. Maity, N. Sepay, B. C. Samanta*, New J. Chem., 46, 11804-11811, (2022) https://doi.org/10.1039/D2NJ01112C 8. K. Jana, U. Pramanik, Kapil S Ingle, R. Maity, S. Mukherjee, S. K. Nayak, S. C. Debnath, T. Maity, S. Maity, B. C. Samanta* Journal of Photochemistry and Photobiology A: Chemistry 422, 113565 (2022) https://doi.org/10.1016/j.jphotochem.2021.113565 9. R. Maity, N. Sepay, U. Pramanik, K. Jana, S. Mukherjee, S. Maity, D. Mal, T. Maity, B. C. Samanta*, JPCB, 125 (41), 11364-11373 (2021) https://doi.org/10.1021/acs.jpcb.1c05794
2	M. Das, S. Mukherjee*, B. Koley, I. Choudhuri, N. Bhattacharyya, P. Roy, B. C. Samanta, M. Barai and T. Maity*, New Journal of Chemistry, 44, 18347-18361, (2021).	
3	K. Jana, R. Maity, H. Puschmann, A. Mitra, R. Ghosh, S. C. Debnath, A. Shukla, A. K. Mahanta, T. Maity*, B. C. Samanta*, Inorganic Chimica Acta, 515, 120067-120078, 2021.	
4	M. Das, S. Mukherjee*, P. Brandao, S. K. Seth, S. Giri, S. S. Mati, B. C. Samanta, S. Laha, and T. Maity*, ACS Omega, 6, 3659–3674, (2021).	

Department of Zoology

Sl No	List of Publications (Scopus indexed)	
	Pre-support (2019-20 & 2020-21)	After/during support
1	K. K. Mondal, S. Banerjee, S. Dhar, M. Sudarshan and P. Bhattacharjee, <i>Environmental Geochemistry and Health</i> , pp.1-14, 2020.	Mondal,K.K.,Bera.S.,Mondal.P., Majumder. R., Mahata. S.,Maity. S., Das.R.,Gayen.T., and Giri.M.,2023.Biomass Smoke Exposure Increase Alveolar Macrophage in Relation to Respiratory Symptoms and Pulmonary Functions Among The Rural Women in West Bengal: A Preliminary Study.Reflection,1,pp121-127.ISBN:978-81-19232-79-6

Department of Mathematics

Sl No	List of Publications (Scopus indexed)	
	Pre-support (2019-20 & 2020-21)	After/during support
1	D. Khatua, K. Maity, S. Kar, <i>Soft Computing</i> , 25 (4), 2687-2701 (2021),	1. Santu Hati, Goutam Panigrahi and Kalipada Maity RAIRO-Oper. Res.(2023) https://www.rairo-ro.org/component/article?access=doi&doi=10.1051/ro/2023194
2	S. Aktar, M. De, S. K. Mazumder, M. Maiti <i>Computers & Industrial Engineering</i> , 107-184 (2021).	
3	D. Khatua, K. Maity , S. Kar, International Journal of Fuzzy Systems (Springer) 21 (5) (2019)1560-1570	
4	JN Roul, K Maity , S Kar, M Maiti, RAIRO-Operations Research 53 (3) (2019) 1061-1082	
5	D Khatua, A De, K Maity , S Kar, RAIRO-Operation Research 53 (2) (2019) 473-486.	
6	J.N. Roul, K. Maity , S. Kar, and M. Maiti. <i>OPSEARCH</i> volume 57, 391–413(2020)	

10. Training received by faculty

Sl No	List of Trainings received	
	Pre-support	After/during support
1	Tech4Seva a 3 day workshop in IIT Delhi received by Dr Narottam Sutradhar, Department of Chemistry	AICTE sponsored 6 – Days Short Term Training Programme on “Emerging Nano-Materials for Sustainability organized by Maulana Abul Kalam Azad University of Technology, West Bengal held during 30 th August – 4 th September, 2021 received by Dr Bidhan Chandra Samanta, Department of Chemistry
2		Innovation Ambassador training (Advanced Level, Total 16 Sessions of 30 contact hours) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode received by Dr Bidhan Chandra Samanta, Department of Chemistry
3		Machine Learning and Data Science application Using Python Programming”, organized by Dept of Computer Science & Engineering, Meghnad Saha Institute of Technology, Durgapur, West Bengal. Date 7-9 Setember 2020 received by Dr. Manoranjan De, Dept. of Mathematics
4		AICTE –ATAL FDP on “Artificial Intelligence” on 14-18 September 2020, organized by Govt. Women Polytechnique College, Thrissur, Kerala received by Dr. Manoranjan De, Dept. of Mathematics.
5		RUSA sponsored online orientation programme”, Conducted from 18 January to 8 February 2021 UGC-HRDC, University of Mumbai received by Dr. Manoranjan De, Dept. of Mathematics.
6		Faculty induction Program received by Dr Narottam Sutradhar, Department of Chemistry
7		Refresher course in Development at the interface of Chemistry and biology received by Dr Narottam Sutradhar, Department of Chemistry

11. Exhibitions/seminars/training courses conducted

Sl. No	List of Exhibitions/seminars/training courses conducted	
	Pre-support	After/during support
1	International Conference on ‘Green Engineering and sustainable development’ organized by Department of Chemistry on 20-21 st August, 2018	A one day State Level Webinar on “The Impact of Nanotechnology in our life” organized by Department of Chemistry on July 3, 2021.
2	One Day National Seminar on Environmental Hazards and Waste Management, organized by Department of Zoology on 28th August 2018	A P C Ray Memorial Lecture on “Control Drug Delivery and Heath Care” organized by Department of Chemistry on August 2, 2021 On the occasion of 160th Birth Anniversary of A P C Ray.
3	Ramanujan Memorial Lecture Series-3 on “Role of Mathematics	A One day national workshop on “A comprehensive technical session on Latex: Report writing, Beamer

	in the Development of Society" organized by Department of Mathematics on 11 th February, 2020	modification for effective CV and Presentation" organized by Department of Mathematics on 18 th December, 2021.
4		One Day State Level Webinar on "Public Health: Water & Sanitation" organized by Department of Zoology on 27 th June, 2021.
5		One day Webinar on "Understanding Evolution by Thought Experiment" organized by Department of Zoology on 5 th July, 2021.
6		One Day Workshop on "Cancer: insight of inside of lethality" organized by Department of Zoology on 4 th February, 2022.
7		One-Day State Level Webinar on "What's Everything Made Of?" organized by Department of Physics on 4 th July, 2021.
8		Innovative Model and Poster Competition for Students under the theme "Science, Environment and Green Alternative Energy Sources" dated 28 th February, 2022.
9		A Two Day National Conference "Recent Development of Chemical Research being implemented in Biology and Medicine" organized by Department of Chemistry on November 2 & 3, 2021.
10		Online Summer Training School on "Emerging Trends at the interface of Chemistry, Zoology and Mathematics" Organized by Department of Chemistry, Zoology and Mathematics on and from July 15 to July 24, 2021.
11		An Inter Departmental activities on "Introduction to Excell" organized by Mathematics Department on 17.02.2022.
12		Lab exposure visit to Science City and Zoological survey of India, Digha, Purba Medinipur organized by department of Chemistry, Mathematics and Zoology on 11 th March, 2022.
13		Wall Magazine Publication by Chemistry, Zoology and Mathematics Departments
14		Innovative Model and Poster Competition for students under the theme "Science, environment and Green alternative Energy Sources" to observed National Science Day organized by Mathematics Department on 08.03.2022.
15		Ramanujan Memorial Lecture Series 4 on "Machine Learning and Its application" organized by Mathematics Department on 21.03.2022
16		One day International Webinar on "Recent Advances in Therapeutic Use of Chemical Compounds and Drug Delivery" organized by Department of Chemistry on August 2, 2020

17		Three days international webinar on “Mathematical Modeling in the context of Covid-19” organized by Department of Mathematics on 30th, 31st August and 1st September, 2020
18		One day National Webinar on “Sustainable Waste Recycling towards better Livelihood” organized by Department of Zoology on 31 st July, 2020
19		One day innovative model and poster exhibition cum competition for students on the theme Science and Environment dated 1 st March, 2021.
20		One day faculty improvement programme on Research Ethics and Practice dated 1 st March, 2021.
21		Lab exposure visit to Science City Digha, Purba Medinipur organized by department of Chemistry, Mathematics and Zoology on 2 nd March, 2021
22		Field/Exposure Visit to Incubation Unit/Technology Transfer Centre at Hadia Energy Limited, Haldia, Purba Medinipur, West Bengal on 15/06/2022 organized by department of Chemistry, Mathematics and Zoology
23		An offline Workshop on Career Counselling for Higher Education by a distinguished Alumni organized by department of Chemistry on 13.09.2022
24		Effective exposure to the modern facilities (academic and research) at IISER Kolkata organized by department of Chemistry, Mathematics and Zoology on 23/03/2023
25		Seven days faculty development programme arranged by the departments of Chemistry, Zoology and Mathematics in the campus during 20.06.2022 to 27.06.2022 to upgrade the faculty members with emerging issues and areas.
26		Short Term Course On Research Methodology Organized by The Department of Mathematics (UG & PG) during 09 December to 17 th December 2022.
27		A Skill Development Certificate Course on Matlab (Jeevan Koushal), organized by The Department of Mathematics (UG & PG) during 08 th September 2022 to 16 th January 2023.
28		Certificate Course on C Programming (Jeevan Koushal), organized by The Department of Mathematics(UG & PG) during 20 th September 2022– 21 st January, 2023
29		UGC approved Skill Development Certificate Course on Diploma in Computer Application (DCA) & IT Organized by The Department of Mathematics (UG & PG) during 28 th July 2023–14 th September 2023.
30		A capacity building programme on Meditation and Mindfulness organized by The Department of Mathematics during 4 th March to 28 th March 2023

12. Books/journals subscribed from grants:

Department of Chemistry: 25157/-, Department of Mathematics: Rs. 223527/-, Department of Zoology: Rs. 80956/-

13. Outreach activities (Popular lectures):

Sl No	List of Outreach Activities	
	Pre-support	After/during support
1	Seminar cum Workshop on Environment friendly Sustainable Agriculture and IT college set up for rural Socio economic development held on 4th & 5th February, 2020.	One Day Workshop on “Conservation and Utilization of the Traditional Surface Water (Ponds/Rivers/Lakes) for Domestic Consumption” held through off-line mode on 18 th January, 2022
2		Orientation programme on “Application of Organic Compost from Organic Waste towards Sustainable Organic Farming” held virtually on 6 th February, 2021
3		Awareness cum Distribution camp of hand sanitizer prepared in the Chemistry department during COVID 19 period.
4		Poster and model competition on soil pollution, water scarcity, solid waste management and green energy arranged among the local school and college students on 02.08.2022.
5		Awareness camp in local schools to encourage and motivate the students towards higher studies in bioscience along with allied sciences like Chemistry, Mathematics organized by the departments of Chemistry, Zoology and Mathematics on 6-10 th February, 2023
6		Exposure Visit and workshop of School Students to IIC Institute arranged by the departments of Chemistry, Zoology and Mathematics of the college on and from 13 th Feb. to 19 th Feb. 2023
7		Two days National Seminar on Popularization of Mushroom's Cultivation and its medicine values and trade for socio economic development of Rural area dated 22.05. 2022 to 21.05.2022
8		Poster and Model competition among the college and nearby school students on the occasion of National Science Day 2022 under DBT Star College Strengthening scheme in collaboration with Pachim Banga Biggyan Mancha and IIC of the college on 08.03.2022

9		Solar assisted Ecological balance approach to upgrade traditional Pond Water sourced from Rain Water to safe Drinking Water
10		Innovation & Entrepreneurship Outreach Program in Schools organized by department of Chemistry on 08.05.2023
11		Outreach Activity for Local School Students on Advancement of knowledge in addressing global health challenges at Dubai Rasiknagar Vivekananda Vidyayatan, Purba Medinipur in association with Indian Science Congress Association dated 19.12.2023

14. Colleges mentored to apply for DBT Star College grants:

- Ghatal R. S. B. Mahavidyalaya, Purba Medinipur, West Bengal
- Y. S. Palpara Mahavidyalaya, Purba Medinipur, West Bengal
- Egra S. S. B. Mahavidyalaya, Purba Medinipur, West Bengal
- Y. S. Palpara Mahavidyalaya, Purba Medinipur, West Bengal

15. Invited lectures

Sl No	List of Invited lectures	
	Pre-support	After/during support
1	APC Roy Memorial Lecture No. 3 by Prof Shyamal Chakraborty, Department of Chemistry, University of Calcutta on “APC Ray: A Science Devotee, Bengal Chemist and Patriotic Entrepreneur”, Organized by Dept. of Chemistry, dated 2nd August 2018.	Dr. Anupam De , Assistant Professor, Haldia Institute of Technology, West Bengal presented invited lectures of 28 hours for MATLAB course in the department of Mathematics
2	Invited lecture by Prof Ashutosh Ghosh, Dept of Chemistry, University of Calcutta on the occasion of 150 years celebration of Periodic Table, organized by Department of Chemistry, dated 19th August 2019.	Dr Madhumangal Pal, Professor & University Nodal Officer, AISHE, GOI Dept. of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal, India presented invited a lecture of 2 hours in National Science Day
3	Ramanujan Memorial Lecture Series-II - by Prof Manoranjan Maiti, Dept of Mathematics, Vidyasagar University on “Research Scope in Mathematics - Past, Present and Future” on 26.03.2018, organized by Dept. of Mathematics (UG and PG)	Dr. Arpan Dhara, Assistant Professor, Nandigram College, West Bengal presented invited lectures of 26 hours for C-Language programme in the department of Mathematics
4	Ramanujan Memorial Lecture Series-3 , by Prof. Dr. J.C. Misra, Ex Prof, Dept of Mathematics IIT, Kharagpur and Prof	Dr. Goutam Panigrahi, Assistant Professor, Dept of Mathematics, NIT Durgapur, West Bengal , India presented invited a lecture of

	Mathematics IIT, Kharagpur and Prof Manoranjan Maiti, Dept of Mathematics, Vidyasagar University on "Role of Mathematics in the Development of Society", organized by department of Mathematics (UG and PG), Date - 11th February, 2020	Bengal, India presented invited a lecture of 3 hours on "Machine Learning and Its application" on the occasion of Ramanujan Memorial Lecture Series 4.
5		Dr. Amit Basak, FNA, FASc, FNASc, FAScT, JC Bose National Fellow, D. Phil. (Oxford), Ph. D. (Calcutta), Visiting Professor, Department of Chemistry School of Bioscience, Indian Institute of Technology, Kharagpur dated 2 nd November, 2021 Title of the talk: "The Never-ending battle against microbial infections"
6		Dr. Pralay Maiti, Professor, School of Materials Science and Technology, Indian Institute of Technology (BHU), Varanasi dated 2 nd November, 2021 Title of the talk: "Materials for Healthcare"
7		Dr Tanmaya Pathak, PhD, FAScT, FASc, Professor, Department of Chemistry, Indian Institute of Technology Kharagpur dated 3 rd November, 2021 Title of the talk: "Sugar-Modified Inhibitors of Ribonuclease A"
8		Dr Bijan Kumar Das, Professor, Department of Chemistry, Presidency University, Kolkata, India delivered lecture on "Origin of life" dated 2nd August, 2022
9		Dr. Mukut Chakraborty, Professor, Department of Chemistry, West Bengal State University, Barasat, North 24 Parganas delivered lecture on life and works of P C Ray dated 2 nd August, 2023
10		Dr. Manoj Kumar Chakrabarti, Convener, ISCA Kolkata & Director-in-charge, National Institute of Cholera and Enteric Diseases (ICMR), Beliaghata, Kolkata discussed about various discoveries in biology and medicine on 02.08.2023
11		Dr. Goutam Kumar Dalapati, Senior Research Fellow, National University of Singapore delivered a Popular talk and interactive session on "Decarbonization and Sustainable Energy" on December 6, 2023

Bidhan Chandra Samanta
Course Coordinator
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Dr. Bidhan Chandra Samanta
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Sonim 02.04.2024
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