



ILLUMINATION

Newsletter

**Department of Basic Science & Humanities
Narula Institute of Technology
Kolkata 700109**

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Illumination

- Chief Patron:** Sardar Taranjit Singh
Managing Director, JIS Group
- Patron:** Mr. Simarpreet Singh
Director, JIS Group
- Advisor:** Prof. (Dr.) Maitreyi Ray Kanjilal
Principal, Narula Institute of Technology
- Chief Editor:** Dr. Sumit Nandi
Head & Associate Professor
Department of Basic Science & Humanities
Narula Institute of Technology
- Associate Editor:** Dr. Rupa Bhattacharyya
Assistant Professor
Department of Basic Science & Humanities
Narula Institute of Technology

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MESSAGE FROM MANAGING DIRECTOR



Empowering lives through knowledge and education was a dream which my father Sardar Jodh Singh chased and the fruit of which was The JIS Educational Initiative which is now one of the leading private educational service providers in India. Nurturing thousands of students every year, JIS educational initiative has 25 educational institutes to its credit and holds an average of 25,000 students who have enrolled in diverse academic programmes. JIS group have also created new standards in quality self-financed education and laid the foundation of the JIS University.

In this respect, I am extremely delighted to share through this message my enthusiasm about the publication of the annual newsletter '**Illumination**' by the Basic Science & Humanities Department of Narula Institute of Technology for the three consecutive years. "**Illumination**" may be marked as a signature of the achievements of the faculty and staff members of the Basic Science & Humanities Department in diversified fields and taking the oath to be the bearer of the dreams of their founder fathers.

Mr. Taranjit Singh

MESSAGE FROM PRINCIPAL



A newsletter aims to disseminate information, motivating performances, promoting unity, improving morale and supplementing institution records. By publishing a newsletter, an organization spreads its word about its existence. A newsletter showcases the hidden talent, prosperity and growth of a department, which is also very important for appreciation and recognition.

In this respect, I want to congratulate all the members of the Department of Basic Science & Humanities for their tireless effort to take the initiative to publish the third departmental newsletter “**Illumination**” after the publication of the prior two newsletters. This newsletter portrays the departmental multidimensional capacities both qualitatively and quantitatively. I wish a grand success to the department.

Prof. (Dr.) M. R. Kanjilal

MESSAGE FROM HOD, BS&HU



It is my proud privilege to thank to our respected Principal, Prof. (Dr.) M. R. Kanjilal, for giving us an opportunity to publish the third departmental newsletter “**Illumination**” of Basic Science & Humanities Department (BS&HU). I owe my thanks and gratitude to our respected MD Sir whose constant inspiration made this newsletter a reality. The department comprises of Physics, Chemistry, Mathematics and English which merged on 01.01.2016.

The Department of Basic Science & Humanities intends to provide a comprehensive knowledge of Physics, Chemistry, Mathematics and English to the new entrant engineering students with a view to enrich their understanding towards these core subjects. The knowledge of the basic subjects which the department offers profoundly caters them in encountering practical problems in their engineering careers, keeping a balance between applications and the basic principles behind them. The department is committed to achieve academic excellence in teaching and scholarly endeavors, as well as serving the academic community and the public at large with highly qualified faculty members.

I also take the opportunity to appreciate all the faculty and staff members of BS & HU towards their contribution in publication of the third issue of this newsletter.

Dr. Sumit Nandi

Faculty awards/achievements

- Dr. Sumit Nandi and Dr. Dhananjay Kumar Tripathi successfully completed the two week course on “Digital Transformation in Teaching Learning Process” from 14th February to 6th March, 2020 funded by Ministry of HRD (NPIU), Govt. of India under TEQIP -3.
- Dr. Rupa Bhattacharyya, Dr. Susmita Karan, Dr. Nikhilesh Sil, Dr. Shilpi Pal, Dr. Sarbani Ganguly, Ms. Kathakali Mandal and Ms. Payel Mondal successfully completed the course on “Digital Transformation in Teaching Learning Process” from 6th April to 22nd April funded by Ministry of HRD (NPIU), Govt. of India under TEQIP -3.
- Dr. Rupa Bhattacharyya Organized the Conquer Covid - 19 Hackathon from MHRD, IIC, Narula Institute of Technology from 15.04.2020 to 17.04.2020.
- Dr. Rupa Bhattacharyya coordinated the MHRD online lecture session on 'Intellectual Property Management at Early Stage of Innovation and Start-ups on 07.05.2020 organised by MHRD, IIC.
- Dr. Rupa Bhattacharyya secured the Innovation Ambassador title from MHRD
- Ms Sharmistha Basu published a book chapter entitled ‘Social Inclusion of Backward Caste through Comprehensive Empowerment Programme’ of the book ‘Caste, Social Formation and Political Mobilization’ (pp 164-179), April 2020, published by The Registrar Netaji Subhas Open University, ISBN 987-93-82112-71-6.
- Mr. Avishek Chakraborty was awarded “Outstanding research award” 2nd and 3rd in the State Science and Technology Congress, West region and South region respectively.
- Mr. Avishek Chakraborty has been selected as a Reviewer Board Member of Acta Scientific Computer Science Journal (International).
- Mr. Avishek Chakraborty has been selected as an Editor of American Journal of Business and Operations research (AJBOR), American Scientific Publication Group (ASPG) Journals, WOS.

Completed Research Projects

A.

Principal Investigator: Dr. Sumit Nandi (Chemistry)

Project title: Optimization of bioprocesses for the production of biodiesel from refinery byproducts and its characterization

Period: 2017 - 2019

Funding agency: UGC (ERO)

Sanctioned amount: Rs. 4, 00, 000/-

B.

Principal Investigator: Dr. Rupa Bhattacharyya (Chemistry)

Project title: Synthesis and characterization of nanofiller induced PVC – poly(alkyl acrylate) blends

Period: 2017 - 2019

Funding agency: UGC (ERO)

Sanctioned amount: Rs. 3, 00, 000/-

Publications in International Journals

1. Process optimization and kinetics of biodiesel production from renewable raw materials – Sumit Nandi, Rupa Bhattacharyya and Tamal Kanti Ghosh, Saudi Journal of Engineering and Technology (ISSN 2415-6264), Vol. 4(6), pp. 248-252, 2019, DOI : 10.21276/sjeat.2019.4.6.2.
2. Recycling of enzyme – A novel technology for cost effective synthesis of biodiesel - Sumit Nandi, Rupa Bhattacharyya, Debayan Marik and Tamal Kanti Ghosh, Journal of Chemical, Biological and Physical Sciences, Section A, Vol. 10 (1), pp. 1-11, 2019, DOI: 10.24214/jcbps.A.10.1.00111.
3. Oil to biodiesel from two potential sources – A 360 degree comparative study – S. Nandi, R. Bhattacharyya and S. Das, Asian Journal of Applied Science and Technology, Vol. 4 (3), pp. 91-99, July-September, 2020, DOI:10.38177/ajast.2020.4313.
4. Utilisation of waste cooking oil as biodiesel through bioprocess technology - Sumit Nandi, Rupa Bhattacharyya, Debayan Marik and Tamal Kanti Ghosh, International Journal for Research in Applied Science & Engineering Technology (ISSN 2321-9653), 8 (4), pp. 133-137, 2020, <http://doi.org/10.22214/ijraset.2020.4020>.
5. Characterization of waste cooking oil and its application – Sumit Nandi and Gautam Misra, Journal of Chemical, Biological and Physical Sciences, Section A, Vol. 10 (3), pp. 227-236 (2020), DOI:10.24214/jcbps.A.10.3.22736
6. Investigation of biodiesel from Canola oil deodorizer distillate using dual biocatalyst – Sumit Nandi, Rupa Bhattacharyya and Gautam Misra, Asian Journal of Applied Science and Technology, Vol. 4 (1), pp. 131-138, January-March, 2020, DOI: 10.38177/AJAST.2020.4114.
7. Resonance States of Hadronic Three-Body Ions: Stabilization Method- S. Dutta, J. K. Saha, S. Bhattacharyya and T. K. Mukherjee, Journal of Atomic, Molecular, Condensate & Nano Physics, Vol. 7, No. 1, pp. 51-60, 2020, DOI: 10.26713/jamcnp.v7i1.1389.
8. Triangular Neutrosophic based production reliability model of deteriorating item with ramp type demand under shortages and time discounting, Shilpi Pal and Avishek Chakraborty, Neutrosophic Sets and Systems, Vol 30, pp. 347-367, 2020.

9. A comprehensive study of a backlogging EOQ model with nonlinear heptagonal dense fuzzy environment, S. Maity, A. Chakraborty, S. De, S. Mondal & S. Alam, *Rairo Operations Research (SCI), EDP Science*, Vol-54, 1, 2020, pp-267-286, doi: <https://doi.org/10.1051/ro/2018114>.
10. Disjunctive Representation of Triangular Bipolar Neutrosophic Numbers, De-Bipolarization Technique and Application in Multi-Criteria Decision-Making Problems, A. Chakraborty, S. Mondal, S. Alam, *Symmetry(SCI), MDPI*, 2019, Vol-11(7), 932, doi.org/10.3390/sym11070932.
11. Some properties of Pentagonal Neutrosophic Numbers and its Applications in Transportation Problem Environment, A. Chakraborty, S. Broumi, P. Singh, *Neutrosophic Sets and Systems*, vol.28, 2019, pp.200-215, DOI: 10.5281/zenodo.3382542.
12. Different Linear and Non-linear Form of Trapezoidal Neutrosophic Numbers, De-Neutrosophication Techniques and its Application in Time-Cost Optimization Technique, Sequencing Problem; A. Chakraborty, S. Mondal, S. Alam, A. Mahata; *Rairo Operations Research (SCI), EDP Science*, 2020, doi: 10.1051/ro/2019090.
13. Minimal Spanning Tree in Cylindrical Single-Valued Neutrosophic Arena, A. Chakraborty, *Neutrosophic Graph Theory and Algorithms*, Chapter-9; ISBN13:9781799813132; DOI: 10.4018/978-1-7998-1313-2; IGI Global, 2020.
14. De-Neutrosophication Technique of Pentagonal Neutrosophic Number and Application in Minimal Spanning Tree, A. Chakraborty, S. Mondal, S. Broumi, *Neutrosophic Sets and Systems*, vol. 29, 2019, pp. 1-18, doi : 10.5281/zenodo.3514383.
15. Hexagonal Fuzzy Number and its Distinctive Representation, Ranking, Defuzzification Technique and Application in Production Inventory Management Problem. A. Chakraborty, S. Maity, S. Mondal and S. Alam, *Granular Computing*, doi.org/10.1007/s41066-020-00212-8, 2020.
16. A New Approach to Solve Multi-Criteria Group Decision Making Problems by Exponential Operational Law in Generalised Spherical Fuzzy Environment. T. Haque, A. Chakraborty, S. Mondal and S. Alam, *CAAI Transactions on Intelligence Technology, IET Digital*, Vol-5(2), pp: 106-114, DOI: 10.1049/trit.2019.0078, 2020.

17. A New Score Function of Pentagonal Neutrosophic Number and its Application in Networking Problem, A. Chakraborty, International Journal of Neutrosophic Science, Vol-1(1); pp-35-46, doi-10.5281/zenodo.3679508, 2020.
18. Arithmetic and Geometric Operators of Pentagonal Neutrosophic Number and its Application in Mobile Communication Based MCGDM Problem, A. Chakraborty, B. Banik, S. Mondal and S. Alam, Neutrosophic Sets and System, Vol 32, pp-61-79, DOI: 10.5281/zenodo.3723145, 2020.
19. Triangular Neutrosophic based EOQ model for non-instantaneous Deteriorating Item under Shortages, S. Pal, A. Chakraborty, American Journal of Business and Operations research, Vol-1(1), Doi:10.5281/zenodo.3712477, 2020.
20. Application of Pentagonal Neutrosophic Number in Shortest Path Problem, A. Chakraborty, International Journal of Neutrosophic Science (IJNS), Vol-3(1), 28-35, <http://doi.org/10.5281/zenodo.3732659>, 2020.
21. Applying Encryption Algorithm on Text Steganography Based On Number System, K. Mondal, S. Chatterjee, A. Chakraborty, S. Samanta, S. Mondal, Computational Advancement in Communication Circuit System, pp: 255-266, 2020, https://doi.org/10.1007/978-981-13-8687-9_23.
22. Searching for some irreversible inhibitors as drugs of Human Cathepsin B by Computer Aided Drug Design (CADD) method, Indrani Sarkar, JISU Journal of Multidisciplinary Research, Vol. 1 (1), 111-116.

Publications in Conference Proceedings

Name of the Student(s) & Semester	Name of the faculty coordinator (if any)	Type of Publication (Journal/Conference/Abstract/Proceedings/Books/etc.)	National/International	Month/Date of publication	ISSN/ISBN No.
Sunistha Kundu (ECE 2nd year)	Dr. Sarbani Ganguly	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Arka Majumdar, Debalina Chatterjee(EI E 3rd Year)	Rajasi Ray	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Ankush Bose, Angsuman Goswami (CSE 3rd Year)	Rajasi Ray	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Anuron Mullik, Trisha Paul (EIE 2nd year)	Rajasi Ray	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Arijit Saha Ray, Tirthadeep Basak (CSE 2nd year)	Rajasi Ray	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Sanjukta Poddar, Debdutta Bhowmik (EIE 2nd	Rajasi Ray	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9

Year)					
Debarpita Bhowmik, Deblina Mitra (EIE 2nd Year)	Rajasi Ray	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Tanisha Khan and Kumar Harshit Singh (CSE 3rd year and EIE 3rd year)	Rajasi Ray	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Ritam Dey, Ishita Mukherjee (CSE 2nd Year)	Rajasi Ray	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Archishman Nath, Shramana Guchait (2nd Year ECE)	Sharmistha Basu	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Diptisha De, Sucharita Sarkar (3rd year ECE)	Sharmistha Basu	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Supti Roy, Satyaki Ghosh (2nd Year ECE)	Sharmistha Basu	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Mayukh Ghosh (ECE 1st year)	Dr. Sumit Nandi and Dr. Rupa Bhattacharyya	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9

Spandan Sarkar (ECE 1st year)	Dr. Sumit Nandi and Dr. Rupa Bhattacharyya	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Manisa Dhar, ECE (4th year)	Dr. Rupa Bhattacharyya and Dr. Sumit Nandi	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Sourik Ganguly and Subhadeep Das (EE 3rd year)	Avishek Chakraborty	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Debonita Chatterjee and Ishita Mukherjee (CSE 2nd year)	Avishek Chakraborty	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Priyanka Dutta, Soumyajit Roy and Lalantika Sengupta (CSE 3rd year)	Avishek Chakraborty	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Payel Mukherjee, ECE 3rd year and Shreyashree Mondal (IT 3rd year)	Avishek Chakraborty	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Sujoy Bhowmik (EE 3rd year)	Debopriya Dey	Proceedings of 2nd National conference on Science, Technology and Communication Skills	International	October, 2019	ISBN:978-93-86675-98-9

		(NCSTCS 2K19)			
Aritri Chakraborty, CSE (3rd year)	Dr. Nikhilesh Sil	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Paushali Majumder (CA)	Dr. Indrani Sarkar	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Aindrila Dey (CSE)	Dr. Indrani Sarkar	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
A. Basu (EIE 3rd year)	Dr. D. K. Tripathi	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
R. Das (EIE 3rd year)	Dr. D. K. Tripathi	Proceedings of 2nd National conference on Science, Technology and Communication Skills (NCSTCS 2K19)	International	October, 2019	ISBN:978-93-86675-98-9
Debayan Marik, Ankita Dhara (ECE 2nd sem)	Dr. Sumit Nandi and Dr. Rupa Bhattacharyya	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5)
Spandan Sarkar, Mayukh Ghosh (ECE 2nd sem)	Dr. Sumit Nandi and Dr. Rupa Bhattacharyya	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5)

Sukanya Chatterjee, Pallavi Reddy (ECE 2nd sem)	Dr. Rupa Bhattacharya and Dr. Sumit Nandi	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5)
Jishnu Roy Chowdhury, (ECE 2nd sem)	Dr. Rupa Bhattacharya and Dr. Sumit Nandi	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5)
Oishi Banerjee (CSE 4th sem)	Dr Sarbani Ganguly and Rajasi Ray	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5)
Tathagata Sarkar, Aditwiya Dutta, Srinjoy Ghosh (ECE 2nd Sem)	Dr Sarbani Ganguly	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5)
Bhaskar Majumder, Swastik Chakraborty, Sreeja Sarkar (ECE 2nd Sem)	Dr Sarbani Ganguly	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5)
Sujaan Maitra (2nd semester), Ankan Das (2nd semester)	Dr. Nikhilesh Sil	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5)
Subhajit Dey	Dr.	Proceedings of National	International	March,	ISBN: 978-

(2nd semester) Arisha Dutta (2nd semester)	Nikhilesh Sil	Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)		2020	93-89817-19-5
Aritri Chakraborty (8th semester)	Dr. Nikhilesh Sil	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Uddip Sadhya (8th semester)	Dr. Nikhilesh Sil	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Sujoy Bhomik (4th Sem)	Ms. Debopriya Dey	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Bidisa Saha and Ankita Saha (3 rd Semester)	Dr. Susmita Karan	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Oishi Banerjee, Rudraraj Ghosh and Soham Mukhopadhyay (3 rd Semester)	Dr. Susmita Karan	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Ananya Dutta, Debmalya Dey, Zhong	Dr. Susmita Karan	Proceedings of National Conference on Environmental	International	March, 2020	ISBN: 978-93-89817-

Shan Hui and Diksha Agarwa (3 rd Semester)		Sustainability, Water Resource & Management (ESWRM 2019)			19-5
Prerana Saha, Deblina Sarkar and Ahana Pal (3 rd Semester)	Dr. Susmita Karan	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Ritaja SenGupta, Souvik Das and Saheli Sur (3 rd Semester)	Dr. Susmita Karan	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Sourik Ganguly (EE,3B), Sreepurna Biswas (ECE,3B)	Avishek Chakraborty	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Md. S. Aziz	Dr. Dhananjay Kumar Tripathi	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
S. Bagchi	Dr. Dhananjay Kumar Tripathi	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Sandipa Roy, (CSE 4 th sem)	Dr. Shilpi Pal	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management	International	March, 2020	ISBN: 978-93-89817-19-5

		(ESWRM 2019)			
Shrayanika Saha	Dr. Shilpi Pal	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Debonita Chatterjee (CSE 4 th sem)	Dr. Shilpi Pal	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5
Sujoy Bhowmik (EE 6th Sem)	Dr. Shilpi Pal	Proceedings of National Conference on Environmental Sustainability, Water Resource & Management (ESWRM 2019)	International	March, 2020	ISBN: 978-93-89817-19-5

Paper presented in International Conferences

1. Incorporation of nanofiller in PVC-poly(butyl acrylate) blends for enhanced environmental stability, Rupa Bhattacharyya, Sumit Nandi, Manisa Dhar, 3rd International Conference on Biotechnology & Biological Sciences (BIOSPECTRUM 2019), UEM, Kolkata, 8th to 10th August, 2019.
2. Process optimization of biodiesel production from fatty acid distillate through kinetic study, Sumit Nandi, Rupa Bhattacharyya, Tamal Kanti Ghosh, 3rd International Conference on Biotechnology & Biological Sciences (BIOSPECTRUM 2019), UEM, Kolkata, 8th to 10th August, 2019.
3. Solid state fermentation of mustard meal with lactic acid bacteria to improve the nutritional quality, Sarbani Ganguly, Arpita Banerjee, 3rd International Conference on Biotechnology & Biological Sciences (BIOSPECTRUM 2019), UEM, Kolkata, 8th to 10th August, 2019.
4. The behavior of HIV model in Fuzzy environment, Nikhilesh Sil, Aritri Chakraborty, International Conference on Advances in Higher Mathematics, Mathematical Sciences and Mathematical Modeling organized by Calcutta Mathematical Society, 20th to 22nd December, 2019

Paper presented in National Conferences

1. Conserve Water, Every Drop Counts, Rajasi Ray, Ritam Dey, Ishita Mukherjee, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
2. Tagore's Santiniketan: The 1st Indian Ecovillage, Sarbani Ganguly, Rajasi Ray, Oishi Banerjee, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
3. A comprehensive review on performance characteristics of biodiesel, diesel fuel and their blends, Debayan Marik, Ankita Dhara, Rupa Bhattacharyya, Sumit Nandi, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
4. A Comprehensive Study on The Process of Rainwater Harvesting, Ananya Dutta, Shrayanika Saha, Shilpi Pal, Sharmistha Basu, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
5. Study of Rain Water Harvesting in Urban Area, Susmita Karan, Bidisa Saha, Ankita Saha, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
6. Unavoidability of Plastic and Counter Measures, Susmita Karan, Oishi Banerjee, Rudraraj Ghosh, Soham Mukhopadhyay, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
7. Replenishable Energy Sources, Susmita Karan, Ananya Dutta, Debmalaya Dey, Zhong Shan Hui, Diksha Agarwal, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
8. Treatment and Management of Industrial Effluents, Susmita Karan, Prerana Saha, Deblina Sarkar, Ahana Pal, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
9. Impact of Fear Factor in Cluster Prey-Predator Dynamical System, Avishek Chakraborty, Sourik Ganguly, Sreepurna Biswas, National Conference on Environmental

Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.

10. Waste to Worth: Value Added Products from Tomato Waste, Sarbani Ganguly, Tathagata Sarkar, Adwitiya Dutta, Srinjoy Ghosh, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
11. Techniques for water management: A critical scrutiny, D. K. Tripathi, R. P. Tripathi, Md. S. Aziz, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
12. Water Hyacinth stem as a dye removing agent from textile waste, Sarbni Ganguly, Bhaskar Majumder, Swastik Chakraborty, Shreeja Sarkar, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
13. Development of clean and smart campus in India, Nikhilesh Sil, Sujaan Maitra, Ankan Das, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
14. Impacts of Rainwater Harvesting in Society, Nikhilesh Sil, Subhajit Dey, Arisha Dutta, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
15. The Dynamical Behaviour of HIV Model in Fuzzy Environment, Nikhilesh Sil, Aritri Chakraborty, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
16. The Behavior of HIV Model with Logistic growth in Fuzzy Environment, Nikhilesh Sil, Uddip Sadhya, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
17. Global Warming and its Effects, Susmita Karan, Ritaja Sen Gupta, Souvik Das, Saheli Sur, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
18. Long and Short-Term Flood Forecasting using Radar rainfall data in hydrological modeling: A Reassessment, D. K. Tripathi, S. Bagchi, A. B. Bhattacharya, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.

19. Water purification process: Low cost intervention, Paushali Majumder, Indrani Sarkar, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
20. Go Green – Green Mobile Application, Priyanka Nandi, Indrani Sarkar, Soma Mukherjee, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
21. Industrial Wastewater Management and it's Utilisation in Modern World, Arijit Saha Ray, Tirthadeep Basak, Rajasi Ray, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
22. Climate Is Under Human Fingerprints, Debonita Chatterjee, Sharmistha Basu, Shilpi Pal, Sandipa Roy, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
23. Renewable energy from natural sources, Spandan Sarkar, Mayukh Ghosh, Rupa Bhattacharyya, Sumit Nandi, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
24. Effect of Nano CaCO_3 on PVC for Environmental Sustainability, Sukanya Chatterjee, Pallavi Reddy, Sumit Nandi, Rupa Bhattacharyya, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
25. Sustainable polymers – A review, Jishnu Roy Chowdhury, Sumit Nandi, Rupa Bhattacharyya, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
26. Water Resource Management for Sustainable Development of Environment, Shuvam Patra, Soma Mukherjee, and Indrani Sarkar, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
27. Water Treatment – Principles and Procedure for Next Generation Desalination Technology, Sujoy Bhowmik, Shilpi Pal, Debopriya Dey, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.

28. Environmental Hazards Caused By Nano Materials, Sayan Sengupta, Rahul Kumar Gupta, Indrani Sarkar, National Conference on Environmental Sustainability, Water resource and Management (ESWRM 2019), Narula Institute of Technology, 8-9th November, 2019.
29. Classification of Triangular Bipolar Neutrosophic Numbers, De-Bipolarization Skills and Applied in MCDM Problem” ; A.Chakraborty, S. Mondal, S.Alam in 4th Regional State Science Congress, West Region, 2019 Organized by Govt. of West Bengal & Burdwan University, 9th to 10th December, 2019.
30. Framework of Pentagonal Neutrosophic Numbers and Applications in Operation Research Problem” A.Chakraborty, S. Mondal, S.Alam in 4th Regional State Science Congress, South Region, 23rd to 24th December, 2019.
31. Exponential Operator of Generalized Spherical Fuzzy Number and Application in MCGDM Problem” A.Chakraborty in National Seminar on Applied Mathematics and Mathematical Physics (AMMP-2020), Calcutta Mathematical Society, Kolkata, 29th February, 2020.

Seminar/Workshop attended (July – December 2019)

Name of the faculty	Seminar/ Workshop/ Conference	Duration	
		From	To
Dr. Shilpi Pal, Asst. Prof. Mathematics	Workshop on Cloud Computing organized by Dept. of CSE, JISU	15/07/2019	19/07/2019
Payel Mondal, Asst. Prof. Mathematics	FDP on Student Induction, Sister Nivedita University, Newtown, Kolkata	18/07/2019	20/07/2019
Dr. Sumit Nandi, HOD, BS & HU	3 rd International Conference on Biotechnology and Biological Sciences organized by UEM, Kolkata	08/08/2019	10/08/2019
Dr. Sarbani Ganguly, Asst. Prof, Chemistry	3 rd International Conference on Biotechnology and Biological Sciences, organized by UEM, Kolkata	08/08/2019	10/08/2019
Dr. Rupa Bhattacharyya, Asst. Prof, Chemistry	3 rd International Conference on Biotechnology and Biological Sciences, organized by UEM, Kolkata	08/08/2019	10/08/2019
Mr. Avishek Chakraborty, Asst. Prof, Mathematics	State Science and Technology Congress (West region), Burdwan University	09/12/2019	10/12/2019
Mr. Avishek Chakraborty, Asst. Prof, Mathematics	State Science and Technology Congress (South region), Haringhata University (MAKAUT)	23/12/2019	24/12/2019
Dr. Nikhilesh Sil, TIC & Asst. Prof, Mathematics	International Conference on Advances in Higher Mathematics, Mathematical Sciences and Mathematical Modeling organized by Calcutta Mathematical Society	20/12/2019	22/12/2019

Seminar/Workshop attended (January-June 2020)

Name of the faculty	Seminar/ Workshop/ Conference	Duration	
		From	To
Mr. Avishek Chakraborty	Attended one week workshop (AICTE funded) on "Sustainable development on civil engineering array" organized by NiT, Civil Engineering	13/01/2020	18/01/2020
	Attended one week workshop on "Embedded systems 2020" organized by NIT, ECE.	06/01/2020	10/01/2020
	Presented research article at 27 th state science and technology congress conference, Science city, Kolkata	28/02/2020	29/02/2020
	Presented research article at Calcutta Mathematical Society, Kolkata (seminar)	29/02/2020	29/02/2020
	[MIC] IIC session: attended 15 sessions from 1 st May to 22 nd May– by MHRD	01/05/2020	21/05/2020
	Webinar on “Cancer how to combat” by Dr. Subhajit Mukherjee	01/05/2020	01/05/2020
	“Professional communication: present perspective and future challenges”	02/05/2020	02/05/2020
	Webinar on :‘After the pandemic - Recommended actions to protect your health’	05/05/2020	05/05/2020
	Webinar on psychological issues during lockdown	06/05/2020	06/05/2020
	Webinar on “Nano materials to opportunities abroad”	08/05/2020	08/05/2020
	Webinar on “Current trends in industry”	10/05/2020	10/05/2020
	Webinar on “Inauguration of the official website of idea-o-meter”	11/05/2020	11/05/2020
	Webinar on: “Post Covid- 19: business Opportunities and threats”	11/05/2020	11/05/2020
	Webinar on 'Health assessment of bridges'	12/05/2020	12/05/2020
	Webinar ‘Cyber security & Covid 19”	12/05/2020	12/05/2020
Webinar “Covid 19: why is it so dangerous?”	12/05/2020	12/05/2020	

Webinar 'Employment opportunity in industry after Covid 19'	13/05/2020	13/05/2020
Webinar "Future of green energy in pollution control post covid19 lockdown"	13/05/2020	13/05/2020
International webinar 'Covid-19: an insight and Future perspective'	14/05/2020	14/05/2020
Webinar on "Career planning & development-emphasizing defense sector"	14/05/2020	14/05/2020
Webinar on "Machine learning using python"	16/05/2020	16/05/2020
Panel discussion session on "Leading through Covid-19" digital life now and beyond in association with ASSOCHAM"	16/05/2020	16/05/2020
Webinar on "Psychological counseling "	18/05/2020	18/05/2020
Attended one week FDP on facts and facts on environments (a Covid-19 perspective)	18/05/2020	22/05/2020
India's first leadership talk series session with Mr. Mahesh Babu, CEO, Mahindra electric mobility	24/05/2020	24/05/2020
One week FDP on Innovations - IPR – start ups	03/06/2020	09/06/2020
One week FDP on " Recent trends in image processing"	15/06/2020	19/06/2020
One week FDP on "Multidisciplinary trends in science and technology for sustainable development – a post Covid 19 perspective"	22/06/2020	27/06/2020
Online FDP on "Signal, image and video processing (SIVP 2020)"	23/06.2020	27/06.2020
Webinar "Enabling an intelligent IOT edge"	08/06/2020	08/06/2020
Webinar "Resilience planning in healthcare facilities post Covid-19"	17/06/2020	17/06/2020
Webinar: "New age technology led innovation for higher education"	18/06/2020	18/06/2020
Webinar: "International perspectives on teaching and learning"	20/06/2020	20/06/2020
Webinar series part 2 - best practices on diversity & inclusion during Covid-19: focus on PWDS, LGBTQ & marginalized group	22/06/2020	22/06/2020
Webinar: "The power of online assessment tools and providing immediate feedback"	24/06/2020	24/06/2020
Webinar: "Engineering skills for the year 2020 and beyond"	25/06/2020	25/06/2020
Webinar on role of project management in shaping new dimensions in the building industry	26/06/2020	26/06/2020
Webinar on master class on startups mentors meet	27/06/2020	27/06/2020

	International webinar on quantum computing: a paradigm shift	29/06/2020	30/06/2020
Dr. Nikhilesh Sil	Attended one week workshop on "Embedded systems2020" organized by NiT, ECE.	06/01/2020	10/01/2020
	Attended one week workshop (AICTE funded) on "Sustainable development on civil engineering array" organized by NiT, CE	13/01/2020	18/01/2020
	Workshop on android development on android studio	14/04/2020	14/04/2020
	Seminar: webinar on entrepreneurship and innovation as career opportunity	18/04/2020	18/04/2020
	Seminar: webinar on how to make oneself proactive: a key to unlock your skills in this lockdown by Dr. Manpreet Singh Manna	17/04/2020	17/04/2020
	Seminar: webinar on role of confidence and attitude in public speaking by Ms. Rama Moondra	24/04/2020	24/04/2020
	Seminar: webinar on education roadmap for a new tomorrow by Prof. Anil Sahasrabudhe	29/04/2020	29/04/2020
	Attend the webinar on cancer organised by BS&HU	01/05/2020	01/05/2020
	Attend the webinar on professional communication by Dr. Sarmistha Chatterjee (Sriwastav) organised by BS&HU	02/05/2020	02/05/2020
	Attend the webinar on What is my future by Swami Vedatitananda	04/05/2020	04/05/2020
	Attended IIC online session by Dr. Sunil Shukla, Dr. Amit Dwivedi, Mr. Mayank Patel on Entrepreneurship, business idea and business model canvas	05/05/2020	05/05/2020
	Attend the webinar on after the pandemic-recommended actions to protect your health	05/05/2020	05/05/2020
	Attend the webinar on psychological issues during lockdown by Dr. Subrata Saha.	06/05/2020	06/05/2020
	Attend the IIC online session by Dr. Sanjeeva Kumar Majumdar	07/05/2020	07/05/2020
	Attend the meeting of inauguration of the official website of idea-o-meter	11/05/2020	11/05/2020
	Attend the webinar on "Post Covid 19: business opportunities & threats" organised by department of BS&HU	11/05/2020	11/05/2020

Attend the international webinar on "Cyber security & Covid 19" by Mr. Abhishektripathi, senior consultant, Ernst & young US LLP, W. Houston St, USA.	12/05/2020	12/05/2020
Attend the international webinar on " Covid 19: an insight and future perspective" by Dr. Sujan Chaudhuri, Senior Scientist, molecular biology and cell engineering, Australia.	14/05/2020	14/05/2020
Attend the international webinar on " Career planning & development-emphasizing defense sector" by squadron leader Siddhartha Datta	14/05/2020	14/05/2020
Attend the webinar on impact of Covid-19 on businesses in India	15/05/2020	15/05/2020
Attend the leadership talk with Dr. Pramod Chaudhari.	16/05/2020	16/05/2020
Attend the FDP on facts and facets of environment a Covid-19 perspective organised by JISCE	18/05/2020	20/05/2020
Attend the webinar session from Pearson "Pandemic disease vs sustainable management"	29/05/2020	29/05/2020
Attend the webinar on "Bio-entrepreneurship from theory to a practical success" organised by Sathyabama university.	29/05/2020	29/05/2020
Got certificate for active participation in "National level E-quiz on biodiversity	28/05/2020	28/05/2020
Attending the webinar on "Industry cares for environment" organised by JISCE	05/06/2020	05/06/2020
Attending the webinar on "Master class" organised by NiT.	06/06/2020	06/06/2020
Attend the webinar on "Recent trends in mathematics and its application" organised by Burdwan Raj college	17/06/2020	17/06/2020
Attend the webinar on "Communication skill and personality development" organised by NiT.	19/06/2020	19/06/2020
Attending the webinar on mental health and stress management by Ms. Imon Neogi	21/06/2020	21/06/2020
Attending the online yoga session by Prof.(Dr.) S.S. Solanki	21/06/2020	21/06/2020
Attending the FDP on "Multidisciplinary trends in science and technology for sustainable development"-organised by BS&HU, NiT	22/06/2020	27/06/2020
Attending the FDP on "Signal, image and vedio processing (SIVP 2020)"-organised by ECE, NiT.	23/06/2020	27/06/2020

	Attending the FDP "Research and technical challenges in energy and power system"-organised by EE, NIT.	29/06/2020	30/06/2020
	Attend the webinar "Intervention of alternative medicine for tackling and controlling Covid-19" organised by Sathyabama university	29/06/2020	29/06/2020
	Attend the webinar "Recent trends on Covid-19: Mathematical modelling and their social impact" organised by Sir Gurudas Mahavidyalaya, Kolkata.	30/06/2020	30/06/2020
	Attending the online session on "Kolkata leading way for sustainable mobility" organised by BCCI.	30/06/2020	30/06/2020
Dr. Susmita Karan	Training on "IPR & Technology transfer" (part of IIC innovation ambassador training series) at IISER, Kolkata	06/03/2020	07/03/2020
	Swayam course on digital transformation in teaching learning process	06/03/2020	22/03/2020
	Attended webinar on "Cancer: How to combat" by Dr. Subhajt Mukherjee	01/05/2020	01/05/2020
	Attended webinar on "Professional communication: present perspectives and future challenges" by Dr. Sharmistha Chatterjee (Srivastav)	02/05/2020	02/05/2020
	Attended webex meeting on future of work-from hr's perspective by Subhankar Chakraborty & Asish Kesharwani, Apna Jpb	04/05/2020	04/05/2020
	Attended webinar on "After the pandemic-recommended actions to protect your health" by Dr. Sanjoy Kumar Bhattacharyya	05/05/2020	05/05/2020
	Attended webinar on "Psychological issues during lockdown" by Dr. Subrata Saha	06/05/2020	06/05/2020
	Attended inauguration of idea-o-meter	11/05/2020	11/05/2020
	Attended webinar on "Post covid19:business opportunities & threats" by Dr. Sanjoy Roy, founder and CEO, Shamrock polymer, Chennai	11/05/2020	11/05/2020
	Attended international webinar on cyber security by Abhishek Tripathi, Senior consultant, Ernst & Young US LLP	12/05/2020	12/05/2020
	Attended webinar on "Covid 19:why is it so dangerous"	12/05/2020	12/05/2020
	Attended international webinar on "employment opportunity in industry after Covid 19" by Abhijit	13/05/2020	13/05/2020

	Bag, Solution architect, TCS manufacturing & utilities		
	Attended international webinar on "Covid-19: an insight & future perspective" by Dr. Sujan Chowdhuri, Senior scientist, Molecular biology and cell engineering, Neuclone Pvt. Ltd. Sydney, Australia	14/05/2020	14/05/2020
	Attended webinar on "4G-broadband on mobile" by Chanchal Chakraborty, Vice President, Reliance Jio Infocom Ltd.	15/05/2020	15/05/2020
	Attended panel discussion session on leading through Covid-19: digital life now and beyond in association with ASSOCHAM (speakers: Dr. Manpreet Singh Manna, Mr. Navin Singh, Ms. Perminder Jeet Kaur & Mr. Krishna Kumar	16/05/2020	16/05/2020
	Attended one week FDP on facts and facets of environment- a post Covid-19 perspective	18/05/2020	22/05/2020
	Webinar on anti-viral therapy conducted by Pearson	17/06/2020	---
	FDP on multidisciplinary trends in science and technology for sustainable development-a post Covid-19 perspective	22/06/2020	27/06/2020
	FDP on research and technical challenges in energy and power system	29/06/2020	04/07/2020
Dr. Rupa Bhattachary ya	Swayam course on digital transformation in teaching learning process	06/04/2020	22/04/2020
	International webinar on role of educators during Covid-19 situation	13/04/2020	13/04/2020
	Webinar on what next - do's and don'ts	13/04/2020	13/04/2020
	Webinar on 'entrepreneurship and innovation as career opportunity	18/04/2020	18/04/2020
	Webinar on 'future of work'	18/04/2020	18/04/2020
	Webinar on 'Education roadmap for a new tomorrow'	29/04/2020	29/04/2020
	Attended webinar on "Cancer: how to combat" by Dr. Subhajit mukherjee, School of medicine, Shanghai Jio Tong University, China	01/05/2020	01/05/2020
	Attended webinar on professional communication: present perspectives and future challenges" by Dr. Sharmistha Chatterjee (Sriwastav), Dept. of English, Aliah University.	02/05/2020	02/05/2020
	Webinar on 'What is the future?' organized by NiT	04/05/2020	04/05/2020

Webinar on 'Psychological issues during lockdown' organized by BS&HU, NiT	06/05/2020	06/05/2020
Webinar on 'Ideometer' organized by JISCE	11/05/2020	11/05/2020
Webinar on 'Cyber security and Covid-19' organized by BS&HU, NiT	12/05/2020	12/05/2020
Webinar on 'Covid-19 why is it so dangerous?' organized by BS&HU, NiT	12/05/2020	12/05/2020
Webinar on 'Employment opportunities in industry after Covid 19' organized by BS&HU, NiT	13/05/2020	13/05/2020
Webinar on 'Covid-19: an insight and future perspective' organized by BS&HU, NiT	14/05/2020	14/05/2020
Webinar on 'Blended learning' organized by FICCI - campus management	15/05/2020	15/05/2020
Panel discussion on 'Leading through Covid-19: digital life now and beyond' in association with ASSOCHAM	16/05/2020	16/05/2020
FDP on 'Facts and facets of environment, a post Covid - 19 perspective' organized by JISCE	18/05/2020	22/05/2020
FDP on 'Pandemic disease vs sustainable management' organized by Pearson	29/05/2020	29/05/2020
FDP on Innovations-IPR startups: a post Covid-19 overview organized by JISCE	03/06/2020	09/06/2020
Webinar on 'Creativity, talent & excellence' by Mr. Subhash Ghai organized by JIS University IIC & Kaizen circle	09/06/2020	-
International FDP on 'Emerging trends in pharmaceutical sciences : from classroom to online' organized by Sharda University	09/06/2020	13/06/2020
Webinar on 'The present and future medical situations and guidelines for a safe and healthy life' by Dr. Alok Roy, Chairman, Medica group of hospitals, organized by JISU in association with BCCI and the Kaizen circle	12/06/2020	-
Webinar on 'New career opportunities in technology post-covid' organized by Pearson	15/06/2020	-
Webinar on 'Psychological issues in a pandemic situation' organized by the women's cell, NiT	20/06/2020	-
FDP on 'Multidisciplinary trends in science & technology for sustainable development - a post covid 19 perspective' organized by the BS&HU, NiT	22/06/2020	27/06/2020

	FDP on Signal, image and video processing (SIVP 2020) organized by the dept. of ECE, NiT	23/06/2020	27/06/2020
	Webinar on 'Engineering skills for the year 2020 and beyond' organized by dept. of Natural and Applied Sciences, MAKAUT	25/06/2020	-
	Webinar on 'Intervention of alternative medicine for tackling and controlling covid-19, organized by Sathyabama University, Chennai	29/06/2020	-
Dr. T. K. Mukhopadhyay	One week faculty development programme On "Multidisciplinary trends in science and technology for sustainable development"	22/06/2020	27/06/2020
Dr. Sumit Nandi	Attended webinar on education roadmap for a new tomorrow addressed by Honourable Chairman Of AICTE Dr. Anil Sahasrabudhe	29/04/2020	29/04/2020
	Attended webinar regarding online test presented by Calyxpod.	30/04/2020	30/04/2020
	Attended webinar on "Cancer: how to combat" by Dr. Subhajt Mukherjee, School Of Medicine, Shanghai Jio Tong University, China	01/05/2020	01/05/2020
	Attended webinar on professional communication: present perspectives and future challenges" by Dr. Sharmistha Chatterjee (Sriwastav), Dept. of English, Aliah University.	02/05/2020	02/05/2020
	Attended webinar on "Social Entrepreneurship" by Yi Kolkata	03/05/2020	03/05/2020
	Attended webinar on what is my future by Swami Vedatitananda	03/05/2020	03/05/2020
	Attended webinar on "After the pandemic - recommended actions to protect your health" by Dr. Sanjoy Kumar Bhattacharyya, R G Kar Medical College, Kolkata.	05/05/2020	05/05/2020
	Attended webinar on psychological issues during lockdown by Dr. Subrata Saha	06/05/2020	06/05/2020
	Conducted webinar on "Post covid 19: business opportunities and threats" by Dr. Sanjoy Roy, Founder and CEO, Shamrock Polymer, Chennai.	11/05/2020	11/05/2020
	Attended webinar on formal inauguration of official website of idea-o-meter by Chairperson of JIS Group Sardarni Satnam Kaur	11/05/2020	11/05/2020
	Attended international webinar on "Cyber security and Covid 19 " by Mr. Abhishek Tripathi, Senior Consultant Ernst & Young Us Llp San Antonio Tx 78205, USA	12/05/2020	12/05/2020

	Conducted webinar on "Covid 19: why is it so dangerous" by prof. (Hr.) Arnab Sengupta, SSKM Hospital	12/05/2020	12/05/2020
	Conducted international webinar on "Employment opportunity in industry after Covid 19" by Mr. Abhijit Bag, Solution Architect, Innovation & Transformation Group (data & analytics) TCS manufacturing & utilities, TCS London, United Kingdom.	13/05/2020	13/05/2020
	Attend webinar on industry 4.0 & entrepreneurship: today's perspective by Mr. Tapas Piplai organised by EDC cell, NiT	14/05/2020	14/05/2020
	Conducted international webinar on "Covid 19: an insight and future perspective" by Dr. Sujan Chaudhuri, Senior Scientist, Sydney, Australia	14/05/2020	14/05/2020
	Attended webinar on 4g - broadband on mobile by Mr. Chanchal Chakraborty, Vice President, Reliance Jio Infocom Limited.	15/05/2020	15/05/2020
	Attended webinar on "Psychological counselling" organised by MAKAUT.	18/05/2020	18/05/2020
	Attended FDP programme organised by JIS college of engineering	18/05/2020	23/05/2020
	Attended pearson webinar on "Pandemic disease vs sustainable management" by Dr. Jacob Thomas, Director General of police & Chairman, MD-Metal Industries Ltd. Kerala.	29/05/2020	29/05/2020
	Attended FDP on innovations-IPR-startups: post covid-19 overview organised by JISCE	03/06/2020	09/06/2020
	Attended FDP on emerging trends in pharmaceutical sciences: classroom to online organised by School Of Pharmacy, Sharda University, Noida.	09/06/2020	13/06/2020
	Webinar on 'Creativity, talent & excellence' by Mr. Subhash Ghai organized by JIS University IIC & kaizen circle	09/06/2020	---
	Attended one day seminar on "Psychological issues in a pandemic situation" organised by women cell, NiT.	20/06/2020	---
	FDP on 'Multidisciplinary trends in science & technology for sustainable development - a post covid 19 perspective' organized by BS&HU, NiT	22/06/2020	27/06/2020
	FDP on signal, image and video processing (SIVP 2020) organized by the dept. of ECE, NiT	23/06/2020	27/06/2020

	Webinar on 'intervention of alternative medicine for tackling and controlling covid-19, organized by Sathyabama University, Chennai	29/06/2020	---
Ms. Debopriya Dey	Webinar on the topic "How to make oneself productive: a key to unlock your skills in this lockdown" by Dr. Manpreet Singh Manna	17/04/2020	17/04/2020
	Leadership talk by Prof. K. Vijay Raghavan and Dr. Abhay Jere	08/04/2020	08/04/2020
	Leadership talk with Mr. Abhishek Surya Wanshi and Dr. Abhay Jere	7/04/2020	7/04/2020
	International webinar on role of the educators during Covid 19 situation by Dr. Manpreet Singh Manna	13/04/2020	13/04/2020
	Webinar on "Role of confidence and attitude in public speaking" by Ms. Rama Moondra	24/04/2020	24/04/2020
	Leadership talk by Prof. Partha Chakraborty and Dr. Abhay Jere	10/04/2020	10/04/2020
	"Education roadmap for a new tomorrow "organized by JISCE by Prof. Anil Sahasrabudhe	29/04/2020	29/04/2020
	MHRD IIC session : "National innovation and startup policy for students and faculty 2019-a guiding framework for HEIS for implementation"	28/04/2020	28/04/2020
	[MIC] IIC session : "Role and importance of pre-incubators and accelerators in HEIS"- by MHRD	29/04/2020	29/04/2020
	[MIC] IIC session : "hangout with emerging entrepreneurs supported through MIC & AICTE"	30/04/2020	30/04/2020
	Webinar on "Cancer how to combat" by Dr. Subhajit Mukherjee	01/05/2020	01/05/2020
	Training on "Matlab on ramp"	01/05/2020	01/05/2020
	"Professional communication: present perspective and future challenges"	02/05/2020	02/05/2020
	Webinar on: 'After the pandemic - recommended actions to protect your Health'	05/05/2020	05/05/2020
	Webinar on psychological issues during lockdown	06/05/2020	06/05/2020
	Webinar on 'Psychological issues during Lockdown'	06/05/2020	06/05/2020
	Webinar on "India first leadership talk with Prof. D.P Singh, Chairman, UGC"	09/05/2020	09/05/2020
	Webinar on: "Post Covid-19: business Opportunities and threats"	11/05/2020	11/05/2020

	Webinar on “Inauguration of the official website of idea-o-meter”	11/05/2020	11/05/2020
	Webinar ‘Cyber security & Covid 19”	12/05/2020	12/05/2020
	Webinar “Covid 19: Why is it so dangerous?”	12/05/2020	12/05/2020
	Webinar ‘Employment Opportunity in industry after Covid 19”	13/05/2020	13/05/2020
	Session on “Innovating self-screen and identify right opportunities”	13/05/2020	13/05/2020
	Webinar “Future of green energy in Pollution control post Covid19 lockdown”	13/05/2020	13/05/2020
	International webinar ‘Covid-19: an Insight and future perspective”	14/05/2020	14/05/2020
	Panel discussion session on “Leading through covid-19” digital life now and beyond in association with ASSOCHAM”	16/05/2020	16/05/2020
	Attended “Leadership talk with Dr. Pramod Chaudhari “	16/05/2020	16/05/2020
	Webinar on “Psychological counseling “	18/05/2020	18/05/2020
	National level e-quiz on biodiversity	22/05/2020	22/05/2020
	India’s first leadership talk series session with Mr. Mahesh Babu CEO Mahindra electric mobility	24/05/2020	24/05/2020
	One day webinar on “Recent trends in mathematics and its applications”	17/06/2020	17/06/2020
	One week FDP on “Facts and facets environment a post covid-19 perspective “	18/06/2020	22/06/2020
	Online FDP on “Signal, image and video processing (SIVP 2020) “	23/06/2020	27/06/2020
	One day international webinar on “Understanding covid-19 crisis through mathematics 2020”	26/06/2020	26/06/2020
Dr. Dhananjay Kumar Tripathi	Cancer: how to combat-an international webinar by Dr. Subhajit Mukherjee	01/05/2020	01/05/2020
	Professional communication: present perspective and future challenges-national webinar by Dr. Sharmistha Chatterjee	02/05/2020	02/05/2020

After the pandemic- recommended actions to protect your health-national webinar by Dr. Sanjoy Kumar Bhattacharya	5/5/2020	5/5/2020
Psychological issues during lockdown-national webinar by Dr. Subrato Saha.	6/5/2020	6/5/2020
Idea-o-meter-online session by Ms. Jaspreet Kaur	11/05/2020	11/05/2020
Post covid 19: business opportunities and threats-national webinar by Dr. Sanjoy Roy	11/05/2020	11/05/2020
Covid 19: why is it so dangerous-national webinar by Dr. Arnab Sengupta	12/05/2020	12/05/2020
Employment opportunity in industry after Covid 19- an international webinar by Mr. Abhijit Bag.	13/05/2020	13/05/2020
Covid-19: an insight and future perspective- an international webinar by Dr. Sujan Chaudhury	14/05/2020	14/05/2020
Cyber security and Covid 19- an international webinar by Mr. Abhishek Tripathi	12/05/2020	12/05/2020
Webinar on industry 4.0 and entrepreneurship :today's perspective-national webinar by Mr. Tapas Piplai	14/05/2020	14/05/2020
A panel discussion on leading through Covid-19: digital life now and beyond	16/05/2020	16/05/2020
Facts and facets of environment(a Covid 19 perspective)- one week FDP.by different speakers	18/05/2020	22/05/2020
Pandemic disease vs sustainable management confirmation-national webinar by Dr. Jacob Thomas	29/05/2020	29/05/2020
17 online series of sessions by MHRD-online sessions by different speakers	28/04/2020	22/05/2020
Online session -idea-o-meter-public launching	04/06/2020	04/06/2020
Webinar on world environment day by Dr. M.N. Rajevan, Secretary, Ministry of Earth Science, Government of India	05/06/2020	05/06/2020
Webinar on industry cares for environment by Mr. Ayan Bhattacharya and Ms. Jhuma Saha.	05/06/2020	05/06/2020
Online session by Mr. Siddhartha Jain	06/06/2020	06/06/2020
Online session by Sri R. Subrahmanayam, Secretary, Social Justice & Empowerment	13/06/2020	13/06/2020
Webinar on new career opportunities in technology post-covid by Mayur Ramgir	15/06/2020	15/06/2020

	Webinar on tropical cyclone-basics, dynamics and prediction by Dr. Mrutyunjay Mohapatra, D.G.M	16/06/2020	16/06/2020
	FICCI global webinar on new age technology led innovations for higher education	18/06/2020	18/06/2020
	Online session by MHRD hosted by Mr. Abhay Jere.	20/06/2020	20/06/2020
	Faculty development programme "Multidisciplinary trends in science and technology for sustainable development (a post covid - 19 perspective)" organized by BS&HU, NiT	22/06/2020	27/06/2020
	Online session by HRD minister	23/06/2020	23/06/2020
	Faculty development programme organized by EE, NiT	29/06/2020	04/07/2020
Ms. Payel Mondal	Two week online Swayam course on digital transformation in teaching learning process	06/04/2020	22/04/2020
	Webinar on how to make oneself productive a key to unlock your skills in this lockdown by Dr. Manpreet Singh Manna	17/04/2020	17/04/2020
	Webinar on digital online course swayam by Dr. Sameer Sahasrabudhe	17/04/2020	17/04/2020
	Webinar on CII and YI ecosystem by Kewal Kishan	23/04/2020	23/04/2020
	Webinar on role and importance of incubator by Shri. Dipan Shau	28/04/2020	28/04/2020
	Webinar on education road map for a new tomorrow by Prof. Anil Sahasrabudhe	29/04/2020	29/04/2020
	Webinar on "Cancer how to combat" by Dr. Subhajit Mukherjee	01/05/2020	01/05/2020
	"Intellectual property management at early stage of innovation and startups"	07/05/2020	07/05/2020
	"Understanding angel and venture capital funding "	08/05/2020	08/05/2020
	"Nanomaterials to opportunities abroad "	08/05/2020	08/05/2020
	Webinar on " First leadership talk with Prof. D.P Singh, Chairman, UGC"	09/05/2020	09/05/2020
	Session on "Innovating self-screen and identify right opportunities"	13/05/2020	13/05/2020
	Webinar on "Future of green energy in pollution control post covid19 Lockdown"	13/05/2020	13/05/2020

Dr. Shilpi Pal	International webinar 'Covid-19: an Insight and future perspective'	14/05/2020	14/05/2020
	"Innovation risk diagnostic-product innovation rubric (PIR)"	15/05/2020	15/05/2020
	"Impact of Covid-19 on business in India"	15/05/2020	15/05/2020
	Panel discussion session on "leading through Covid-19" digital life now and beyond in association with ASSOCHAM"	16/05/2020	16/05/2020
	"Challenges on marketing in pre and post covid"	16/05/2020	16/05/2020
	Webinar on "psychological counseling "	18/05/2020	18/05/2020
	FDP on "Facts and facets of environment: a Covid-19 perspective"	18/05/2020	22/05/2020
	" Management challenges post covid and the way out"	19/05/2020	19/05/2020
	"Art of mind control"	19/05/2020	19/05/2020
	Webinar on "Bioinformatics- the big picture"	11/06/2020	11/06/2020
	Math- international webinar	12/06/2020	12/06/2020
	International alumni webinar on "Polyphenol based surface engineered nanomaterials for improved therapeutics department of biotechnology"	13/06/2020	13/06/2020
	Webinar on "Recent trends in mathematics and its application".	17/06/2020	17/06/2020
	Webinar on anti-viral therapy	17/06/2020	17/06/2020
	Webinar on "Psychological issues in a pandemic situation"	20/06/2020	20/06/2020
	Webinar on "Communication skill and personality development"	20/06/2020	20/06/2020
	Webinar on engineering skills for the year 2020 and beyond	25/06/2020	25/06/2020
	Webinar on education road map for a new tomorrow by Prof. Anil Sahasrabudhe	29/04/2020	29/04/2020
	Webinar on "Cancer: how to combat"	01/05/2020	01/05/2020
	Webinar attended on "Professional communication "	02/05/2020	02/05/2020
Webinar on "After the pandemic-recommended	05/05/2020	05/05/2020	

	actions to protect your health		
	Webinar on "Psychological issues during lockdown"	06/05/2020	06/05/2020
	Webinar attended on "Nanomaterial to opportunities abroad"	08/05/2020	08/05/2020
	Attended in inauguration of official website "idea-o-meter" by Sardarni Satnam Kaur.	11/05/2020	11/05/2020
	Attended webinar on "Post covid 19 - business opportunities & treat" By Dr. Sanjoy Roy	11/05/2020	11/05/2020
	Webinar attended on "Cyber security & covid-19" by Mr. Avishek Tripathi	12/05/2020	12/05/2020
	Webinar attended on "covid-19: why it is so dangerous"	12/05/2020	12/05/2020
	Webinar attended on "Employment opportunity in industry after Covid 19" by Mr. Abhjit Bag	13/05/2020	13/05/2020
	Webinar attended on "covid-19:an insight and future perspective "by Dr. Sujan Chaudhuri	14/05/2020	14/05/2020
	Attended panel discussion on "Leading through covid-19: digital life now and beyond in association with ASSOCHAM"	16/05/2020	16/05/2020
	Webinar on "Fuzzy logic in artificial intelligence" by Salma Pirzada	16/05/2020	16/05/2020
Dr. Shilpi Pal	FDP "Facts and facets of environment: a post covid19 perspective"	18/05/2020	22/05/2020
	FDP on multidisciplinary trends in science and technology for sustainable development- a post covid19 perspective	22/06/2020	27/06/2020
	Webinar on "Engineering skills for the year 2020 and beyond"	25/06/2020	25/06/2020
	Webinar on "Data science and applications: present and future"	30/06/2020	30/06/2020
Dr. Sarbani Ganguly	Examination and academics in current covid-19 crisis with Prof. D P Singh, Chairman	09/05/20	09/05/20
	Panel discussion session on leading through covid-19: digital life now and beyond	16/05/20	16/05/20
	Webinar on bio-entrepreneurship from theory to a practical success	29/05/20	30/05/20
	Leadership talk with Dr Nilesh Oak & Dr. Abhay Jere	30/05/20	30/05/20

	Webinar on "Post Covid 19: business opportunities & threats"	11/05/20	11/05/20
	Launching of websites-idea-o-meter'	11/05/20	11/05/20
	International webinar on "Cyber security & Covid 19"	12/05/20	12/05/20
	Webinar on "Covid 19: why is it so dangerous"	12/05/20	12/05/20
	Webinar on " Employment opportunity in industry after Covid 19"	13/05/20	13/05/20
	International webinar on "Covid 19: an insight and future perspective"	14/05/20	14/05/20
	Webinar on "After the pandemic-recommended actions to protect your health"	05/05/20	05/05/20
	Webinar on "What is my future"	04/05/20	04/05/20
	Online faculty development program on "Signal, image and video processing (SIVP 2020)" organised by the ECE, NiT	23/06/2020	27/06/2020
	Online faculty development program on "Multidisciplinary trends in science and technology for sustainable development – a post Covid 19 perspective"	22/06/2020	27/06/2020
Ms. Rajasi Ray	Organized a webinar on "professional communication: present perspectives and future challenges "by Dr. Sharmistha Chatterjee (Sriwastav)	2/5/2020	2/5/2020
	Attended a webinar on after the pandemic: recommended actions to protect your health.	5/5/2020	5/5/2020
	Attended a webinar on psychological issues during lockdown	6/5/2020	6/5/2020
	Attended a webinar on the launching of the idea-o-meter by JIS group	11/5/2020	11/5/2020
	Attended a webinar on the post covid19: business opportunities and threats	11/5/2020	11/5/2020
	Attended a webinar on the post covid19: why is it so dangerous	12/5/2020	12/5/2020
	Attended international webinar on employment opportunity in industry after Covid 19	13/5/2020	13/5/2020
	Attended international webinar on Covid-19: an insight and future perspective.	14/5/2020	14/5/2020

	Attended a webinar on career planning and development: emphasizing defense sector	14/5/2020	14/5/2020
	Attended a webinar on impact of covid-19 on business in India	15/5/2020	15/5/2020
	Attended a panel discussion on leading through covid-19: digital life now and beyond in association with ASSOCHAM	16/5/2020	16/5/2020
Ms. Sharmistha Basu	Attended a webinar on the topic Cancer: How to combat delivered by Dr.Subhajit Mukherjee	01/5/2020	01/5/2020
	Hosted a webinar on professional communication: present perspectives and future challenges. Organised by BS&HU.	02/5/2020	02/5/2020
	Attended a webinar on :after the pandemic-recommended actions to protect your health	05/5/2020	05/5/2020
	Attended a webinar on psychological issues during lockdown	06/5/2020	06/5/2020
	Attended the inaugural ceremony of idea-o-meter through zoom platform	11/5/2020	11/5/2020
	Attended a webinar on cyber security & Covid 19	12/5/2020	12/5/2020
	Attended a webinar on Covid 19:why is it so dangerous	12/5/2020	12/5/2020
	Attended a webinar on employment opportunity in industry after Covid 19	13/5/2020	13/5/2020
	Attended a webinar on "Covid 19:an insight and future perspective"	14/5/2020	14/5/2020
	Attended FDP topic: research in bricks countries relating to water resources and water crisis	18/5/2020	18/5/2020
	Attended FDP topic: application of ecological niche model in predicting species distribution.	19/5/2020	19/5/2020
	Attended FDP topic: conservation of biological resources and related to Ecological issues	20/5/2020	20/5/2020
	Attended FDP topic: nuclear power: a solution to pollution free energy	22/5/2020	22/5/2020
Kathakali Mandal	Webinar by Pearson India "Managing stress and anxiety due to delayed exam" by Richa Ranjan, IIT Roorkee.	12/06/2020	12/06/2020
	International webinar on gender and sexuality studies, by Madhavi Menon (gender theory writer), Prof.	18/06/2020	18/06/2020

	Judith Butler (internationally recognised feminist philosopher) of University of California Berkely, and prof. Ratna Kapur (activism and civil rights lawyer) of University of London.		
	(Appeared as speaker) webinar on role of gestures, postures and bossy language in communication.	19/06/2020	19/06/2020
	Attended FDP organised by BS & HU, NiT	22/06/2020	27/06/2020
Dr. Indrani Sarkar	Online Education for higher Education Institutions by Dr Manpreet Manna	05/04/2020	
	Role of the Educators during COVID 19 situation by Dr Manpreet Manna	12/04/2020	
	Education Road map for a New tomorrow by Prof Anil Saasrabuddhe	29/04/2020	
	Webinar attended -06	May, 2020	
	FDP attended	18/05/2020	22/05/2020
	National conference on multidisciplinary research (online conference)	30/06/2020	
	FDP on IPR from professional innovators	16/06/2020	
	One week FDP on image authentication W &N & IOT	22/06/2020	26/06/2020
	One week FDP on SIVP	23/06/2020	27/06/2020
	Multidisciplinary trends in Science & Technology for sustainable development	22/06/2020	27/06/2020
	New career opportunity post Covid (webinar)	15/06/2020	
	Antiviral therapy (webinar)	17/06/2020	
	Respiratory management (webinar)	23/06/2020	

Event organized by the Department

1. Online Faculty Development Program “Multidisciplinary Trends in Science and Technology for Sustainable Development (A Post COVID - 19 Perspective)”, 22-27 JUNE, 2020

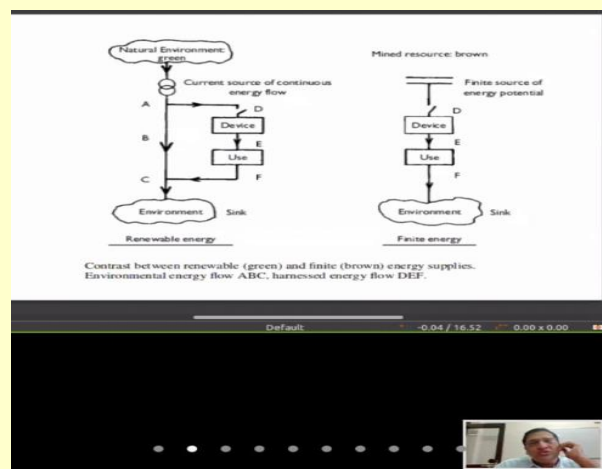
In this era of the new normal due to the global pandemic situation, Basic Science and Humanities Department of Narula Institute of Technology organised a one week online Faculty Development Programme on “Multidisciplinary Trends in Science and Technology for Sustainable Development (A Post COVID - 19 Perspective)” from June, 22 to June, 27, 2020 using Zoom platform. The focus of the FDP was on various aspects of teaching and learning, research and entrepreneurship development. Eminent speakers from India and abroad delivered lectures in this programme. It provided an opportunity to the faculty members to upgrade themselves with the new developments in different areas of Science and Technologies. The Program was helpful for the enhancement of the knowledge of the teachers in various disciplines.

The FDP was attended by 80 participants from various streams of Science, Technology, Management Studies and Computer Applications of different institutions of the state and outside the state. The programme was inaugurated by a highly motivating and enlightening speech by honorable Principal, Prof. (Dr.) M. R. Kanjilal, Principal, NiT who also welcomed all the respected dignitaries and participants and emphasized the benefits of attending Faculty Development Programme. Dr. Sumit Nandi, H. O. D. of Basic Science and Humanities explained elaborately the need and focused areas of the FDP.

TECHNICAL SESSIONS:

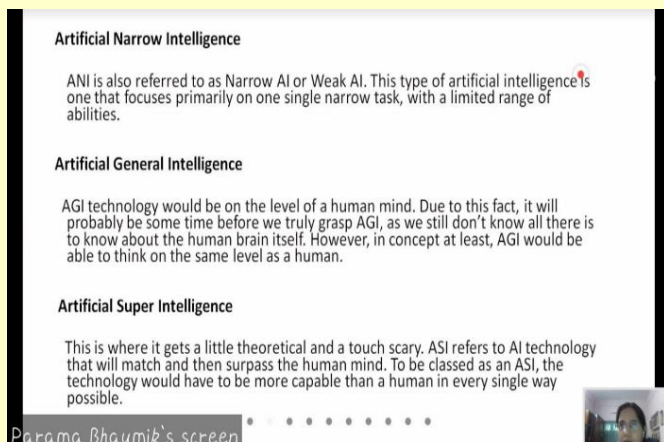
Session I (22/06/20):

The 1st online session was graced by **Prof. (Dr.) Pankaj Mishra, Department of Physics, IIT(ISM) Dhanbad**. He has focused on Energy resources and our future. Prof. Mishra explained the requirement of harnessing renewable energy sources. He has also explained the technologies involved in using these energies. Dr. Mishra gave the details of renewable energy (future energy) use in different countries with a comparison to India. He alerts that if we do not want to reach the dangerous level of global warming, then we have to start using renewable energy sources in every field in place of conventional energy sources.



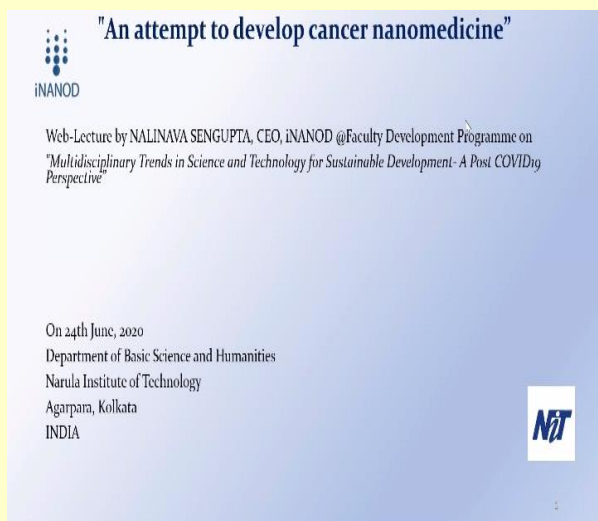
Session II (23/06/20):

In the second session, **Dr. Parama Bhaumik, Associate Professor, Department of Information technology, Jadavpur University** gave a lecture on Artificial General Intelligence (AGI). She has stressed that this is a strong artificial intelligence and is the future AI. She elaborately dealt about the challenges involved with some very good examples. She advised for research in this area.



Session III (24/06/20):

In the third session **Dr. Nalinava Sengupta, Entrepreneur and CEO, iNANOD, Norway** inspired everyone to become Entrepreneur. His view was to commercialize the great research results rather than publishing them only in some highly reputed journals. Dr. Sengupta focused on the need of nano medicine for cancer. He elaborately dealt the development of cancer nano medicine. He emphasized the nano medicine as the growing field of treatment than the conventional one.



Session IV (24/06/20):

In the fourth session **Dr. Shariful Islam, Associate Professor, Department of Mathematics, IEST, Shibpur** has discussed the topic on basic conception of “Mathematical Modelling & Statistics”. The basic concept of mathematical model, its formulation, significance and its application were briefly discussed by him in the session. Additionally, the basic ideas and need of discrete and continuous distribution along with binomial, normal distribution and its application in statistical computation were discussed briefly.



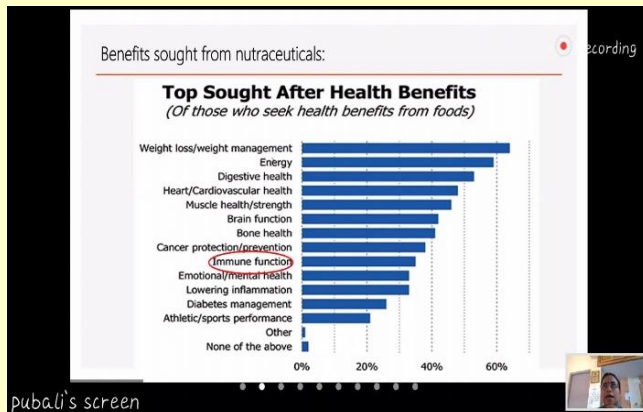
Session V (25/06/20):

In the fifth session, **Prof. José Paulo Santos, Departamento de Física |Department of Physics Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa, Portugal** has beautifully explained the high precession measurement of intensity of X-ray diagram line. The experimental values are compared with their theoretical calculated values using Dirac-Fock method. He also described the accurate measurement of proton radius using muonic atom. Prof. Santos dealt the estimation of trace elements in human body. He has discussed the need of knowing the amount of trace elements in our body. Dr. Santos lecture was also supported his remarkable studies in the field of bio-physics.



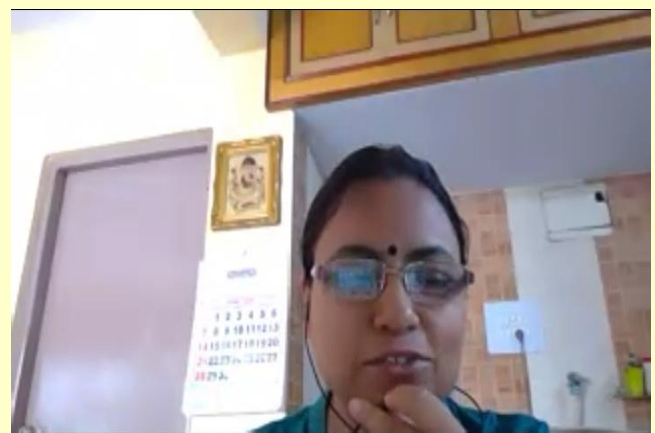
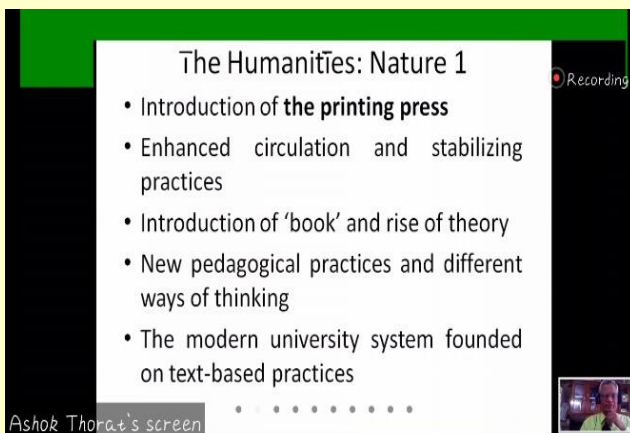
Session VI (26/06/20):

The sixth session was graced by **Dr. Ashok Thorat, Director of Institute of Advanced Studies in English, Pune, Director of Center for Digital Humanities, Pune.** Dr. Thorat highlighted that the speed and fluidity with which the Digital Humanities is emerging as a discipline is attracting the attention of humanities scholars and filling their minds with several questions. He stated that rooted in oratory and rhetoric, reshaped by the medium of printing, the discipline of humanities is now being reconfigured by the digital potentialities keeping intact the central concern, the human experience. Finally, he emphasized that DH is – and will always be – engaged in shaping the development and use of digital tools in the service of humanities.

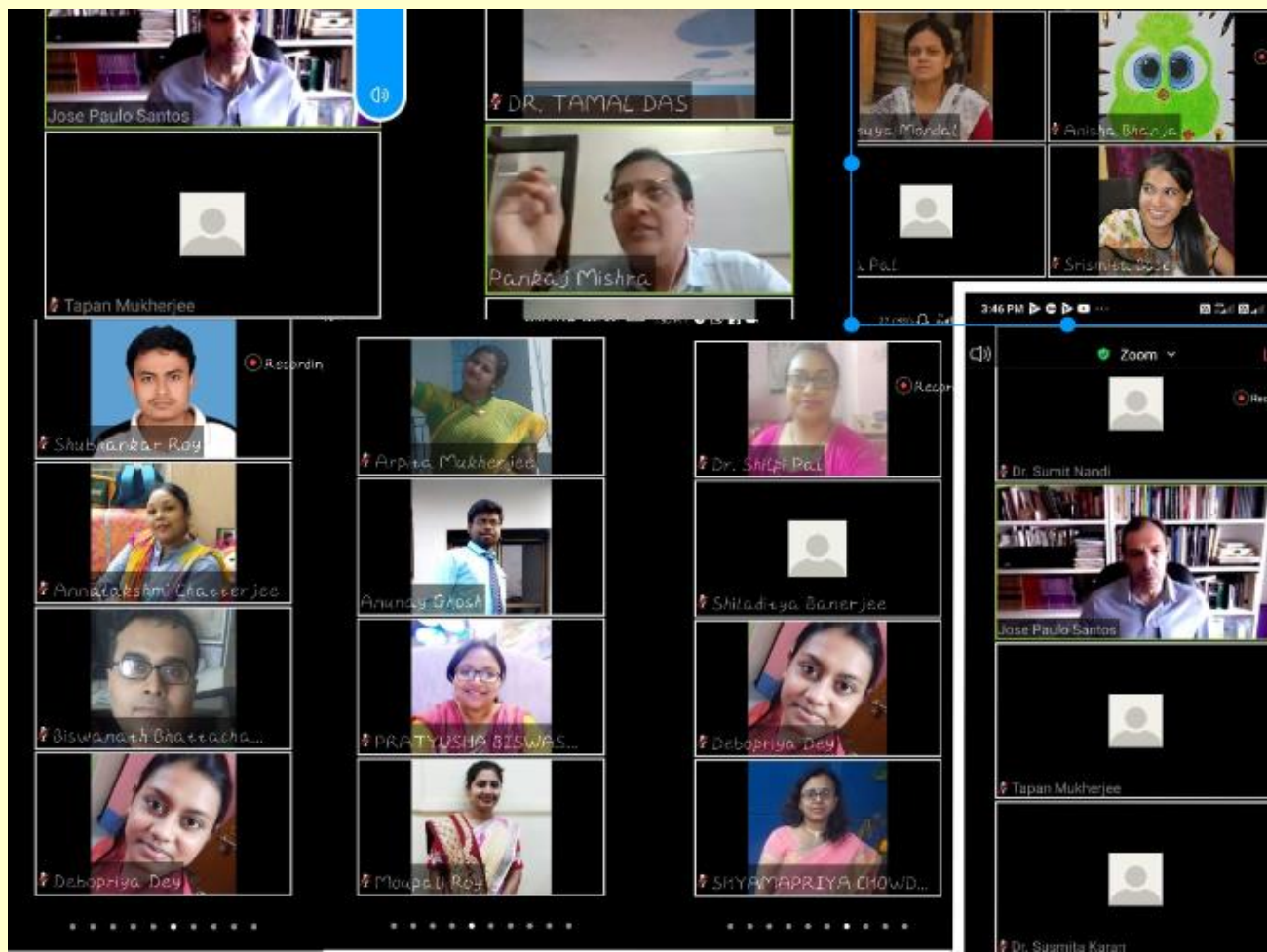


Session VII (27/06/20):

In the seventh session **Dr. Pubali Dhar, Associate Professor and Principal Investigator at the Laboratory of Food Science & Technology, Food & Nutrition division, University of Calcutta** and associate faculty of Centre for Research in Nanoscience and Nanotechnology has enlightened us about the immune system of our body and how it can be used as a weapon against the COVID 19. She emphasized the role of nutraceuticals, Vitamins like D, E & C, antioxidants present in tea, Quercetin, curcumin, Probiotic bacteria, Omega 3 and omega 6 fatty acids etc. how they can reduce inflammation and balance the pro inflammatory and anti-inflammatory cytokines in our body.



The FDP ended with the vote of thanks by Dr. Sumit Nandi, Head, Department of Basic Science and Humanities. E-Feedback forms were circulated and the views shared would definitely help us to do better in our next venture. E-certificate was issued after successful participation of FDP. Here are some glimpses of the F.D.P.



2. National Conference on “Environmental Sustainability, Water Resource and Management” (ESWRM2019), 8th – 9th November, 2020

The Department of Civil Engineering and Basic Science & Humanities of Narula Institute of Technology successfully conducted the National Conference on Environmental Sustainability, Water Resource and Management (ESWRM2019) on 8th and 9th November, 2019. The conference began with the formal inauguration in the august gathering which was followed by the illumination of the auspicious lamp. The event was graced by the presence of Prof. Asit Kumar Mitra, Former Professor, Dept. of Chemical Engineering, Jadavpur University who was the Keynote speaker in the conference. The event started in a comely manner with the arrival of the guest, lighting of the inaugural lamp after which the keynote speaker, Prof. Mitra was presented a sapling as a token of respect. Prof. M. R. Kanjilal, Principal, Narula Institute of Technology delivered the welcome address and discussed about the importance of environmental sustainability and saving water in the present world. The inaugural session was also enriched by the presence and address of Prof. Santanu Sen, Principal, GNIT, Prof. Omprakash Sharma, Principal, DSCSDEC, Prof. Xavier Gomes, Principal, GNIHM, Prof. Debayan Mandal, Principal, GKCEM. Prof. S. C. Konar, Dean (R & D), Prof P. K. Banerjee, Advisor, NiT, Prof. S. Sanyal also enriched the inaugural programme with their enlightening speech. All the guests were endowed with a sapling as a mark of saving earth through green environment. Prof. Biman Mukherjee, HOD, Civil Engineering and Programme Coordinator discussed about scarcity of water resources in the present situation. He also read the message of Prof. Chiranjib Bhattacharjee, Pro-VC, Jadavpur University and Dr. Kalyan Rudra, Chairman, West Bengal Pollution Control Board. The session ended with the vote of thanks given by Dr. Sumit Nandi, Programme Coordinator, ESWRM 2K19.

The post lunch session was started with the invited talk of Dr. Tapas Gupta, Chief Engineer, West Bengal Pollution Control Board, Department of Environment, Govt. of West Bengal. He highlighted the different aspects of environmental sustainability and management of water in the present society. After that participants witnessed the scholarly presentations by the faculties, research scholars and students who came from different institutes of repute. The parallel sessions took place in three different tracks and around fifty five presenters shared their novel views on the first day.

On the 2nd day, another thirty two papers were presented in three parallel sessions by the students and researchers. The conference was attended by more than 150 participants with the discussions, exchange of ideas and positive thinking for saving our nature. In the valedictory session of the conference, the outstanding paper awards in nine categories were declared. This conference opened up several new dimensions for saving our mother earth through sustainable thinking and positive implementation.

3. Webinar on 'Cancer: How to combat' on 1st May, 2020

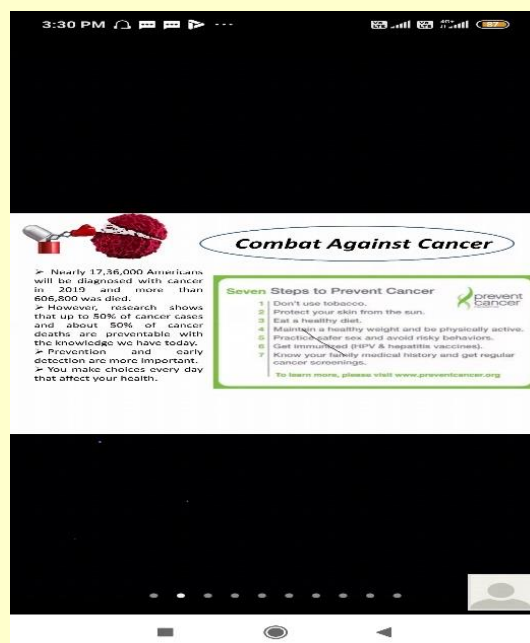
The Department of Basic Science & Humanities, Narula Institute of Technology, organized a webinar entitled '**Cancer: How to combat**' on 1st May, 2020 at 3.PM on zoom platform.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Rupa Bhattacharyya, Assistant Professor, Dept. of Basic Science & Humanities.

The speaker of the session was **Dr. Subhajt Mukherjee, Post Doctoral Research Fellow, School of Medicine, Shanghai Jiao Tong University, Pudong, Shanghai, China.** There were many participants including faculty of different Departments along with the faculty members of Basic Science & Humanities and also the 1st year students of various streams.

Dr. Mukherjee had hands on knowledge cancer research and profoundly shared his knowledge on the severity of the disease, causes and how to take precautionary action against it. He also highlighted on the different types of cancer and the steps which are needed to be followed in combating it. Dr. Mukherjee also shared his views on the sources and origin of the disease and cancer causing agents.

The entire session was extremely interactive with question answer session by the participants. The meeting ended with a vote of thanks by the Head of the Department of Basic Science & Humanities. The overall session was very informative, lucid and enlightened the students and faculty alike.



4. Webinar on 'Professional Communication: Present Perspective and Future Challenges' on 2nd May, 2020

The Department of Basic Science & Humanities, Narula Institute of Technology, organized a webinar entitled '**Professional Communication: Present Perspective and Future Challenges.**' on 2nd May, 2020 at 11.30 AM on zoom platform.

The webinar was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Ms, Rajasi Ray, TIC (English) and Assistant Professor, Dept. of Basic Science & Humanities where 96 participants including faculties and students took part with zeal and immense enthusiasm.

The speaker of the session was **Dr. Sharmistha Chatterjee (Sriwastav), Associate professor, Department of English, Aliah University.** A vivid and profound discussion on opportunities and impending hindrances on professional communication had been churned through lively interactive session. Ms. Sharmistha Basu, Asst. Professor, English, hosted the endeavor and initiated the interaction round. The eminent speaker thoroughly discussed the necessity of Professional Communication and it's relation with employment opportunities. The cascade of information delivered by the speaker enriched the arsenal of knowledge of all the participants. The participants passionately asked relevant questions and the reply from the ELT expert was even more satisfactory.

The webinar ended with an extremely positive note with new perspectives in professional communication. The overall session was very informative, lucid and enlightened the students and faculty alike.



5. Webinar on 'After the pandemic - Recommended actions to protect your health' on 5th May, 2020

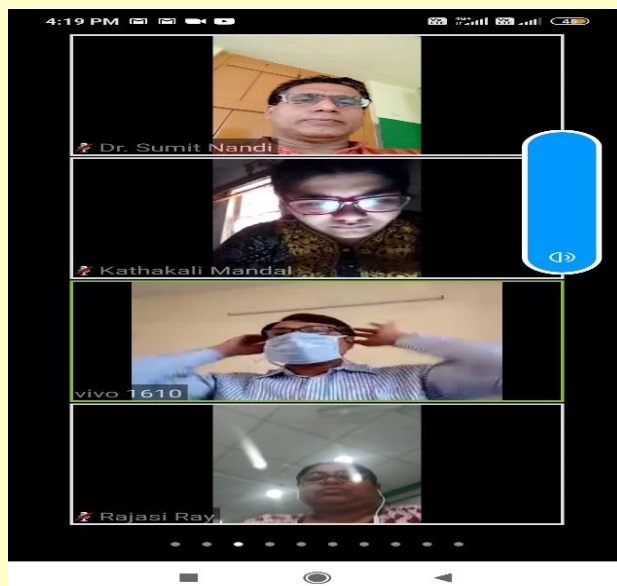
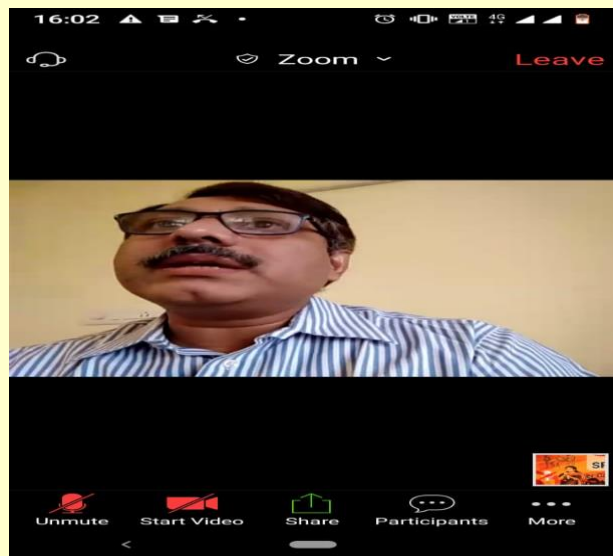
The Department of Basic Science & Humanities, Narula Institute of Technology, organized a webinar entitled '**After the pandemic - Recommended actions to protect your health**' on 5th May, 2020 at 4 PM on zoom platform.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Rupa Bhattacharyya, Assistant Professor, Dept. of Basic Science & Humanities.

The speaker of the session was **Dr. Sanjoy Kumar Bhattacharyya, Associated Professor, Department of Health and Family Welfare, R G Kar Medical College, Kolkata**. There were many participants including faculty of different Departments along with the faculty members of Basic Science & Humanities and also students of various streams.

Dr. Sanjoy Kumar Bhattacharyya described the Covid-19 situation elaborately in all aspects. He highlighted on the possibilities of how one can be infected with the virus and the measures to be taken to protect oneself against the infection. He mentioned about the different types of masks and whereabouts of their usage. Dr. Bhattacharyya stressed upon the use of hand sanitizers and hand rubs and also about the need of sanitization of different objects and items. He focused on maintaining self-hygiene and improving the immune system of oneself. Dr. Bhattacharyya also mentioned about the unknown nature of the virus and exclusively stated the preventive measures which are to be followed regarding health protection even after the end of lockdown period.

The entire session was extremely interactive with question answer session by the participants. The meeting ended with a vote of thanks by the Head of the Department of Basic Science & Humanities. The overall session was very informative, lucid and enlightened the students and faculty alike.



6. Webinar on “Psychological issues during Lockdown’ on 6st May, 2020

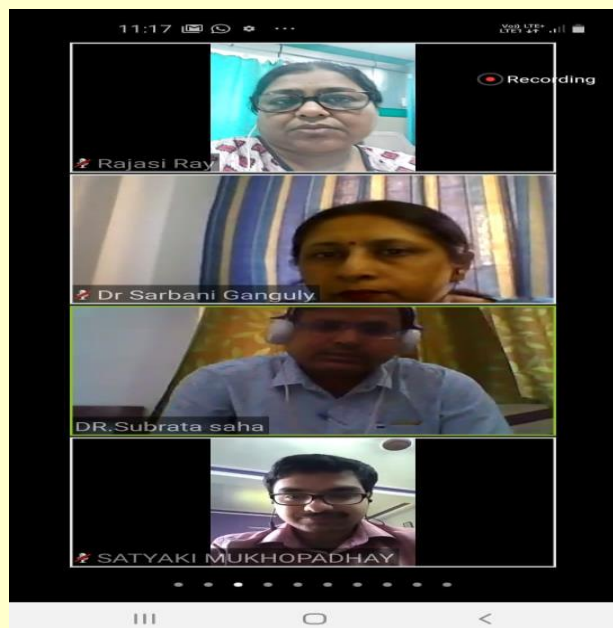
The Department of Basic Science & Humanities, Narula Institute of Technology, organized a webinar entitled ‘Psychological issues during Lockdown’ on 6st May, 2020 at 11 AM on zoom platform.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Sarbani Ganguly, TIC (Chemistry), Dept. of Basic Science & Humanities.

The speaker of the session was **Dr. Subrata Saha, MBBS (Cal), MD (Cal), Consultant Neuro Psychiatrist.** There were many participants including faculty of different departments’ along with the faculty members of Basic Science & Humanities and also students of various streams.

Dr. Saha started his lecture by sharing some of the sad physiological incidents he has faced during this period of lockdown. He then discussed the types of physiological disorders which are very common among people in this phase. Among the causes he mentioned that **Genetic factors** play a very important role. Other causes may be **environmental factors** and **biological factors**. He explained how the neurochemical factors controls our behavior. Some of the symptoms he highlighted are **decreased interest in daily activities or the fun filled activities, disturbed sleep or sleeping disorder, decrease or increase in appetite, agitation without proper reason, lethargy** etc. He not only discussed about the problems but also suggested some techniques to follow and some precautions to be taken at the early stage of psychological disorders.

The entire session was extremely interactive with question answer session by the participants. The meeting ended with a vote of thanks by the Head of the Department of Basic Science & Humanities. The overall session was very informative, lucid and enlightened the students and faculty alike.



7. Webinar on 'Post COVID 19: Business opportunities & threats' on 11th May, 2020

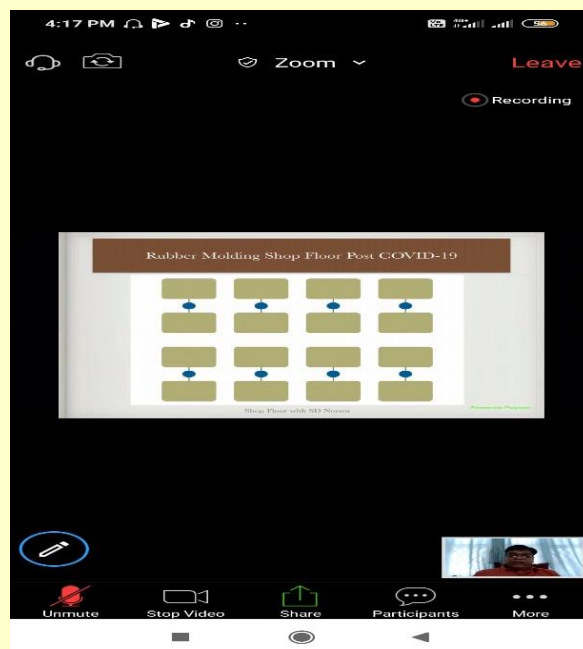
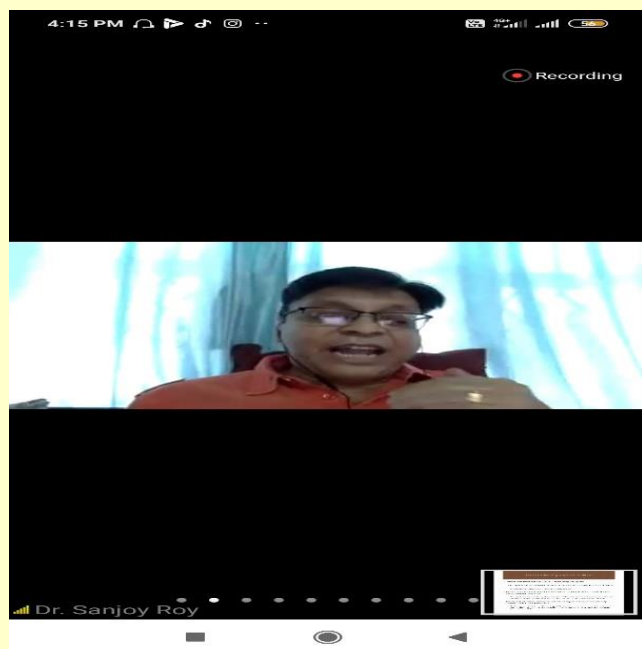
The Department of Basic Science & Humanities, Narula Institute of Technology, organized a webinar entitled 'Post COVID 19: Business opportunities & threats' on 11th May, 2020 at 4 PM on zoom platform.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Rupa Bhattacharyya, Assistant Professor, Dept. of Basic Science & Humanities.

The speaker of the session was **Dr. Sanjoy Roy, Founder and CEO, Shamrock Polymer, Chennai**. There were many participants including faculty of different Departments along with the faculty members of Basic Science & Humanities and also students of various streams.

Dr. Sanjoy Roy immensely narrated the impact of Covid-19 situation on several business fields highlighting on the opportunities and threats of them. In his lecture, he stated the different business sectors starting from telecommunication, chemical, transport, tourism and entertainment, courier service, software, etc. to education industry. Dr. Roy specifically pointed on the sectors which can undergo a boom in this pandemic situation as well as on those which has the possibility of a downfall. He also mentioned about the manpower involvement in running of businesses. Moreover, he focused on the vision that every threat was an opportunity.

The entire session was extremely interactive with question answer session by the participants. The meeting ended with a vote of thanks by the Head of the Department of Basic Science & Humanities. The overall session was very informative, lucid and enlightened the students and faculty alike.



8. International Webinar on ‘Cyber security & COVID 19’ on 12th May, 2020

An **International webinar** was organized by The Department of Basic Science & Humanities, Narula Institute of Technology on ‘**Cyber security & COVID 19**’ on 12th May, 2020 at 10 AM on zoom platform.

The speaker of the session was **Mr. Abhishek Tripathi, Senior Consultant, Ernst & Young US LLP, 111 W Houston St, San Antonio, TX 78205, USA**. There were many participants including faculty of different Departments along with the faculty members of Basic Science & Humanities and also students of various streams.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Dhananjay Kumar Tripathi, TIC (Physics), Dept. of Basic Science & Humanities.

The main points discussed were based on Need of cyber security, Threats during COVID 19-for maintenance of social distancing, online purchasing of masks and sanitizer started which results in malicious attack on data, Social Engineering-Phishing, Cyberspace vulnerability, Tips to avoid common scams, Selection of password in different online transaction, Online restoration of password and Safe net banking.

The entire session was extremely interactive with question answer session by the participants. The meeting ended with a vote of thanks by the Head of the Department of Basic Science & Humanities. The overall session was very informative, lucid and enlightened the students and faculty alike.



9. Webinar on ‘COVID 19: Why is it so dangerous?’ on 12th May, 2020

The Department of Basic Science & Humanities, Narula Institute of Technology, organized a webinar entitled “COVID 19: Why is it so dangerous?” on 12th May, 2020 at 4 PM on zoom platform.

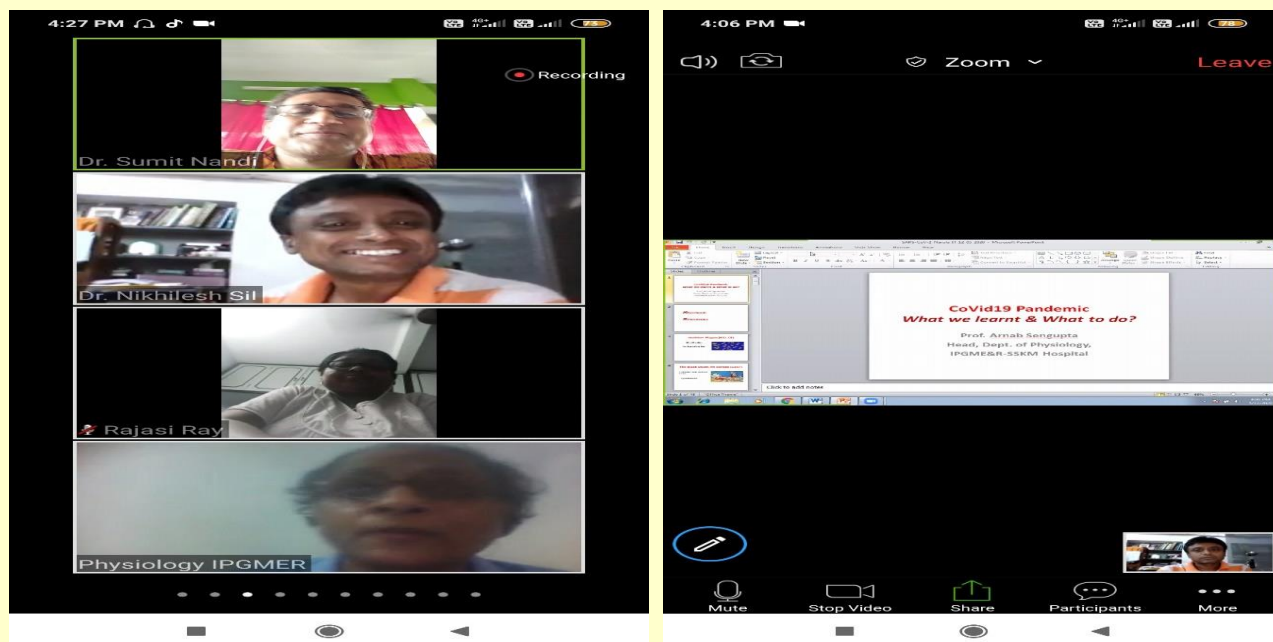
The speaker of the session was **Prof. (Dr.) Arnab Sengupta, Head, Department of Physiology, IPGMER – SSKM Hospital**. There were many participants including faculty of different departments’ along with the faculty members of Basic Science & Humanities and also students of various streams.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Nikhilesh Sil, TIC (Mathematics), Dept. of Basic Science & Humanities.

Prof. Arnab Sengupta explained the difference between epidemic and pandemic diseases mentioning several types of diseases such as cholera, influenza, Spanish flu, COVID 19 etc. He explained the dangerous nature COVID 19 and its spreadibility. Prof. Sengupta also answered several queries of the participants and advised the participants following measures:

- 1) How to take the preventive measure when we are going to market?
 - 2) How to wash our vegetables and several food packets?
 - 3) How to sanitize our dress, watch, mobile phone, money bag etc?
 - 4) How to use News papers?
 - 5) What is the meaning of home quarantine and how the people can stay at home as a home quarantine?
- and many more.....

The entire session was extremely interactive with question answer session by the participants. The meeting ended with a vote of thanks by the Head of the Department of Basic Science & Humanities. The overall session was very informative, lucid and enlightened the students and faculty alike.



10. International Webinar on ‘Employment opportunity in industry after COVID 19’ on 13th May, 2020

An **International webinar** was organized by The Department of Basic Science & Humanities, Narula Institute of Technology on ‘**Employment opportunity in industry after COVID 19**’ on 13th May, 2020 at 4 PM on zoom platform.

The speaker of the session was **Mr. Abhijit Bag, Solution Architect, Innovation & Transformation Group (Data & Analytics), TCS Manufacturing & Utilities, TCS London, W85TT, United Kingdom.** There were many participants including faculty of different Departments along with the faculty members of Basic Science & Humanities and also students of various streams.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Nikhilesh Sil, TIC (Mathematics), Dept. of Basic Science & Humanities.

Mr. Bag discussed about the present scenario of how they are working from home and how they managed the work from home. He said that in spite of the shortage of infrastructure, the countries have started building on them and how new technologies like robots and drones are being used to avoid contactless treatment of patients and solving disputes. He also elaborated that there is a huge scope of development in the area of telecommunication because after the lockdown there was a huge demand of internet based communication due to which the telecommunication department has faced a huge challenge to provide the required infrastructure. He also said that there is an increase in working hours as a whole and that the video calling platforms are becoming very famous and very useful in these times.

The entire session was extremely interactive with question answer session by the participants. The meeting ended with a vote of thanks by the Head of the Department of Basic Science & Humanities. The overall session was very informative, lucid and enlightened the students and faculty alike.



11. International Webinar on ‘COVID-19: An Insight and Future Perspective’ on 14th May, 2020

An **International webinar** was organized by The Department of Basic Science & Humanities, Narula Institute of Technology on ‘**COVID-19: An Insight and Future Perspective**’ on 14th May, 2020 at 5 PM on zoom platform.

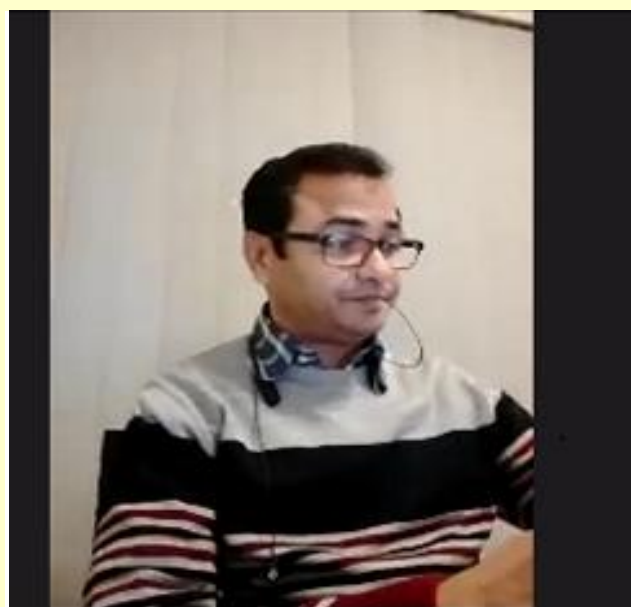
The speaker of the session was **Dr. Sujan Chaudhuri, Senior Scientist, Molecular Biology & Cell Engineering, NeuClone Pty Ltd, NSW, Sydney, Australia**. There were many participants including faculty of different Departments alongwith the faculty members of Basic Science & Humanities and also students of various streams.

The entire session was coordinated by Dr. Sumit Nandi, HOD, Dept. of Basic Science & Humanities and Dr. Sarbani Ganguly, TIC (Chemistry), Dept. of Basic Science & Humanities.

Dr. Chaudhuri started his lecture explaining what the corona virus is and why WHO declared it as pandemic. He mentioned about the history of Pandemic like Ebola, SARS, H1N1 etc. He then described the detailed structure of the virus from the perspective of its detection. He discussed in detail with pictures the different techniques for detection of corona virus i.e. ELISA, RT-PCR, LAMP & Lateral Flow.

He also mentioned that COVID 19 & SARS both are caused by corona virus and there are many similarities between these two viruses. Like we do not have any documented cases of SARS since 2004 similarly we can expect COVID 19 cases will also reduce in the coming days. He ended with the conclusion “COVID 19, the disease caused by the corona virus, isn’t the first threatening disease that surged around the world – not it will be the last”.

The entire session was extremely interactive with question answer session by the participants. The meeting ended with a vote of thanks by the Head of the Department of Basic Science & Humanities. The overall session was very informative, lucid and enlightened the students and faculty alike.



Parent –Teacher meetings with 1st year of all Departments

1. PTM with ECE1

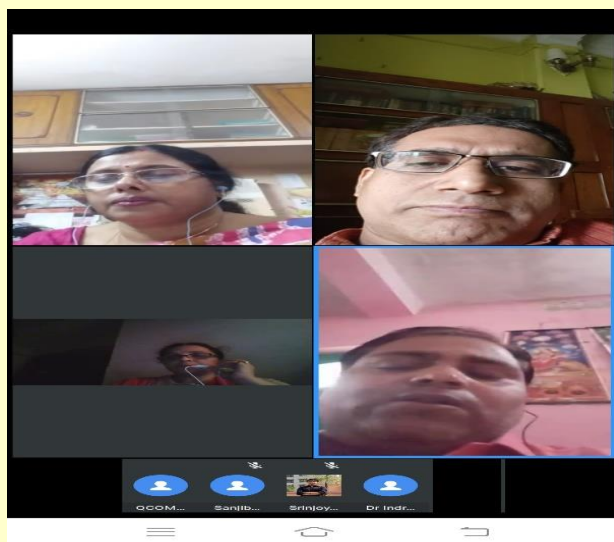
In conjunction with the digital activities of Narula Institute of Technology during this lockdown situation, Digital Parent-Teacher Meeting for 1st year B. Tech. ECE Students was conducted by the Department of Basic Science and Humanities on the Team link platform on 21st April 2020 from 4pm onwards where 34 students along with their parents and guardians participated.

All the parents appreciated the initiatives taken by the JIS Management Team, Prof. (Dr.) M. R. Kanjilal, Principal, Dr. Sumit Nandi, HOD, Basic Science and Humanities and the Faculty Members & Technical Assistants of BS&HU Department for facilitating the students in their academic engagement during the Lockdown Period. The main purpose of the meet was to create a common digital platform, where faculty members and parents shared a variety of issues student's educational experiences and their all-round development during this period.

Initially, Principal addressed the parents by discussing the importance of digital learning in the present situation. Guardians expressed their satisfaction for the concept of Digital Learning and the involvement of their wards in regular online classes, innovative projects, online tests, online assignments and their social involvement.

In the meeting, numerous points and opinions were shared and discussed and several questions and doubts were solved. Much stress was given on the academic domain and study-at-home for the students.

The meeting was very fruitful and interactive as thoughts and ideas were exchanged for the betterment of the students. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.



2. PTM with EE1

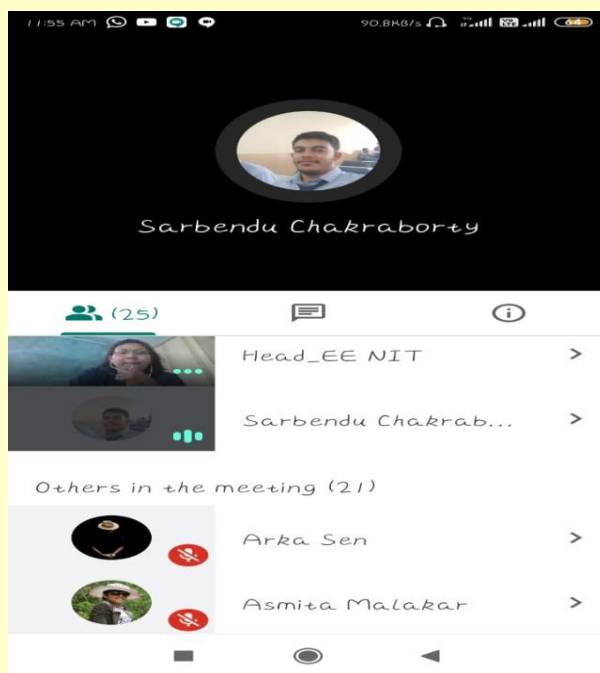
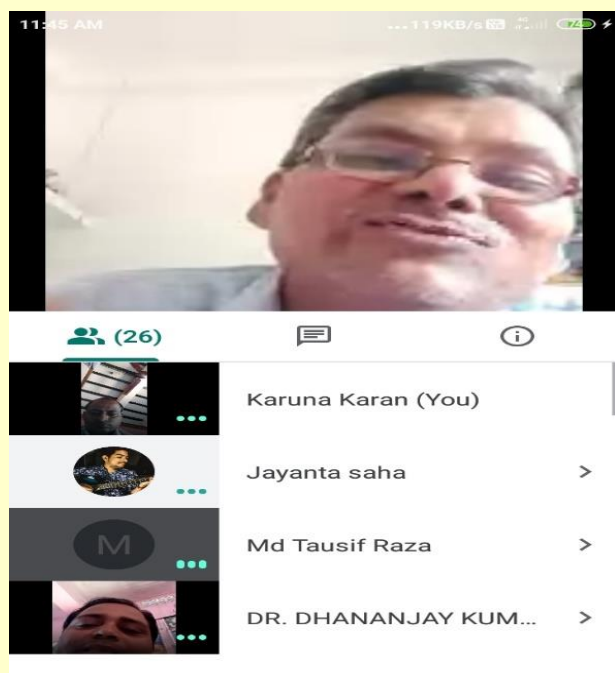
A Digital Parent-Teacher Meeting for 1st year students of Electrical Engineering was conducted by the Department of Basic Science and Humanities, Narula Institute of Technology on the Zoom platform on 11TH May 2020 from 11 AM onwards where many parents participated along with their wards.

The meeting was organized by Dr. Sumit Nandi, HOD, BS &HU. It was coordinated by Dr. Dhananjay Kumar Tripathi, TIC, Physics and hosted the entire session.

The guardians appreciated the concept of Digital Learning and the involvement of their wards in regular online classes, online tests, online assignments and their social involvement. A few parents expressed their concern regarding the semester examination and their doubts were cleared by Dr. Nabamita Banerjee Roy., HOD, Electrical Engineering department.

In the meeting, numerous points and opinions were shared and discussed and all queries were answered. Much stress was given on the academic domain and study-at-home for the students. The parents expressed their gratitude to the faculties of Basic Science and Humanities for the online lab and theory classes which were conducted with the help of audio-video mode and You tube lectures and gave a feel of real-life lab class.

The meeting was highly interactive due to the spontaneous participation of the parents. The parents shared post meeting feedback expressing the effectiveness of the PTM. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.



3. PTM with EIE1

A Digital Parent-Teacher Meeting for 1st year students of Electronics and Instrumentation Engineering was conducted by the Department of Basic Science and Humanities, Narula Institute of Technology on the Zoom platform on 12TH May 2020 from 11.30 AM onwards where many parents participated along with their wards.

The meeting was organized by Dr. Sumit Nandi, HOD, BS &HU. It was coordinated by Dr. Nikhilesh Sil, TIC (Mathematics) and hosted the entire session.

The guardians appreciated the concept of Digital Learning and the involvement of their wards in regular online classes, online tests, online assignments and their social involvement. A few parents expressed their concern regarding the semester examination and their doubts were cleared by Ms. Bansari Deb Majumder., HOD, Electronics and Instrumentation Engineering.

In the meeting, numerous points and opinions were shared and discussed and all queries were answered. Much stress was given on the academic domain and study-at-home for the students. The parents expressed their gratitude to the faculties of Basic Science and Humanities for the online lab and theory classes which were conducted with the help of audio-video mode and You tube lectures and gave a feel of real-life lab class.

The meeting was highly interactive due to the spontaneous participation of the parents. The parents shared post meeting feedback expressing the effectiveness of the PTM. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.



4. PTM with CSE1

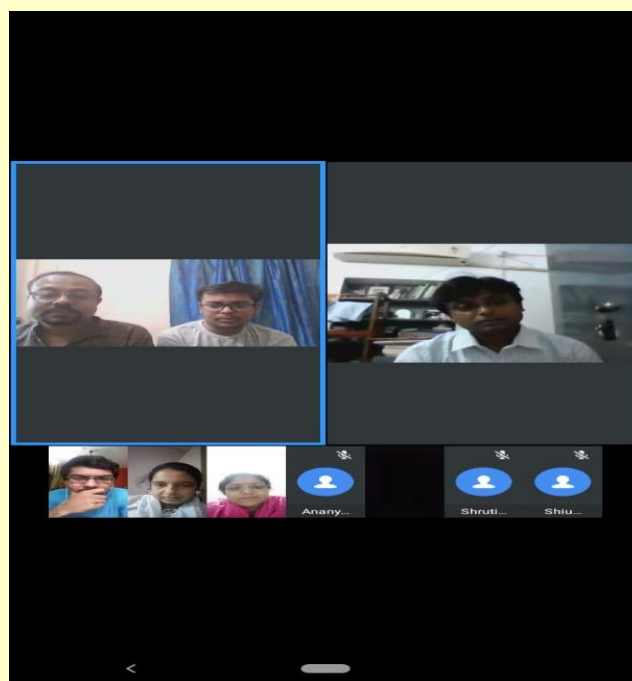
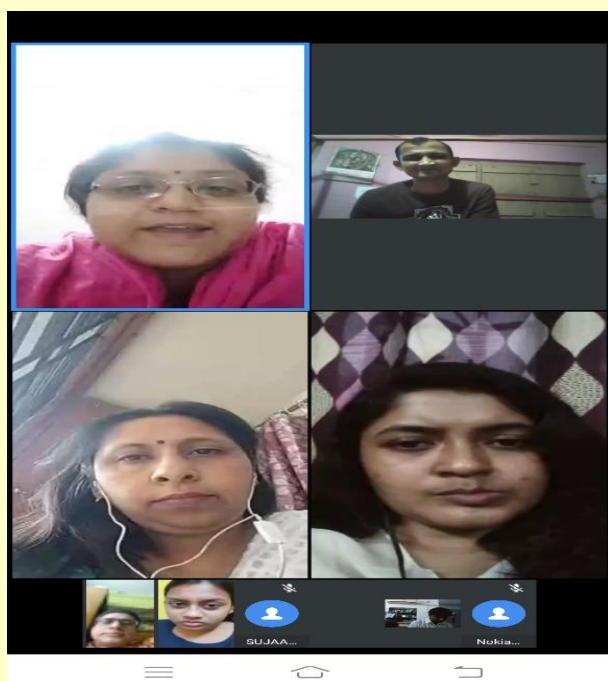
In conjunction with the digital activities of Narula Institute of Technology during this lockdown situation, Digital Parent-Teacher Meeting for B.Tech.CSE1st year students were conducted by the Department of Basic Science and Humanities on the Team link platform on 24st April 2020 from 4PM onwards where 40 students along with their parents and guardians participated.

All the parents appreciated the initiatives taken by the JIS Management Team, Prof. (Dr.) M. R. Kanjilal, Principal, Dr. Sumit Nandi, HOD, Basic Science and Humanities and the Faculty Members & Technical Assistants of BS&HU Department for facilitating the students in their academic engagement during the Lockdown Period. The main purpose of the meet was to create a common digital platform, where faculty members and parents shared a variety of issues student's educational experiences and their all round development during this period.

Guardians expressed their satisfaction for the concept of Digital Learning and the involvement of their wards in regular online classes, innovative projects, online tests, online assignments and their social involvement.

In the meeting, numerous points and opinions were shared and discussed and several questions and doubts were solved. Much stress was given on the academic domain and study-at-home for the students.

The meeting was very fruitful and interactive as thoughts and ideas were exchanged for the betterment of the students. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.



5. PTM with IT1

In conjunction with the digital activities of Narula Institute of Technology during this lockdown situation, Digital Parent-Teacher Meeting for B.Tech. IT 1st year students were conducted by the Department of Basic Science and Humanities on the Zoom platform on 29th April 2020 from 3PM onwards where 37 students along with their parents and guardians participated.

All the parents appreciated the initiatives taken by the JIS Management Team, Prof. (Dr.) M. R. Kanjilal, Principal, Dr. Sumit Nandi, HOD, Basic Science and Humanities and the Faculty Members & Technical Assistants of BS&HU Department for facilitating the students in their academic engagement during the Lockdown Period. The main purpose of the meet was to create a common digital platform, where faculty members and parents shared a variety of issues student's educational experiences and their all round development during this period.

Guardians expressed their satisfaction for the concept of Digital Learning and the involvement of their wards in regular online classes, innovative projects, online tests, online assignments and their social involvement.

In the meeting, numerous points and opinions were shared and discussed and several questions and doubts were solved. Much stress was given on the academic domain and study-at-home for the students.

The meeting was very fruitful and interactive as thoughts and ideas were exchanged for the betterment of the students. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.



6. PTM with CE1

A Digital Parent-Teacher Meeting for CE1st year students was conducted by the Department of Basic Science and Humanities, Narula Institute of Technology on the Zoom platform on 8TH May 2020 from 10 AM onwards where many parents participated along with their wards.

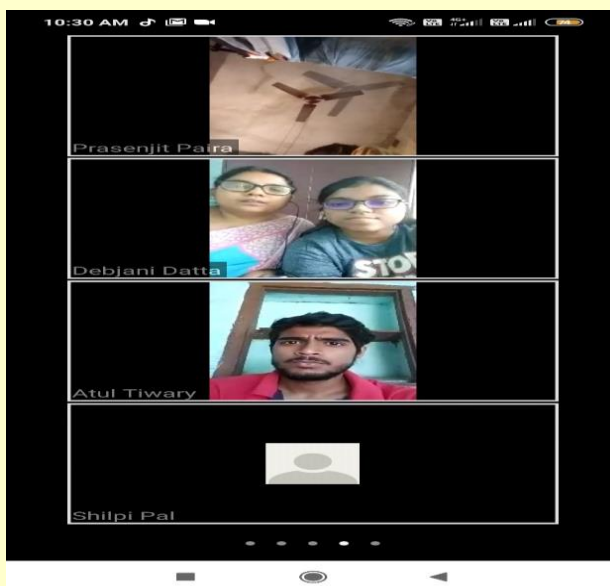
The meeting was organized by Dr. Sumit Nandi, HOD, BS &HU. It was coordinated by Dr. Rupa Bhattacharyya, Asst. Prof., Chemistry and hosted the entire session.

The Guardians appreciated the concept of Digital Learning and the involvement of their wards in regular online classes, online tests, online assignments and their social involvement. A few parents expressed their concern regarding the semester examination and their doubts were cleared by Prof. (Dr.) Biman Mukherjee, HOD, Civil Engineering department.

In the meeting, numerous points and opinions were shared and discussed and all queries were answered. Much stress was given on the academic domain and study-at-home for the students. The parents expressed their gratitude to the faculties of Basic Science and Humanities for the online lab and theory classes which were conducted with the help of audio-video mode and You tube lectures and gave a feel of real-life lab class.

The meeting was highly interactive due to the spontaneous participation of the parents. The parents shared post meeting feedback expressing the effectiveness of the PTM. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.

The Screenshots of the meeting are attached herewith for your kind perusal.



7. PTM with ME1

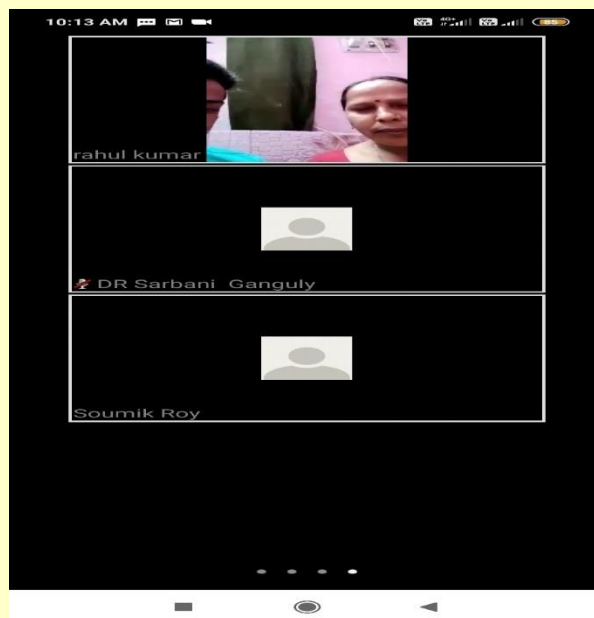
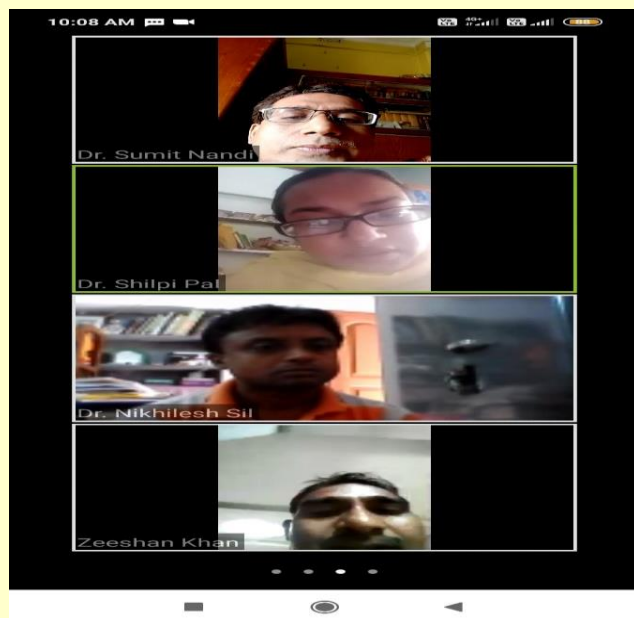
In conjunction with the digital activities of Narula Institute of Technology during this lockdown situation, Digital Parent-Teacher Meeting for B.Tech. ME 1st year students were conducted by the Department of Basic Science and Humanities on the Zoom platform on 9th May 2020 from 10 AM onwards where students along with their parents and guardians participated.

All the parents appreciated the initiatives taken by the JIS Management Team, Prof. (Dr.) M. R. Kanjilal, Principal, Dr. Sumit Nandi, HOD, Basic Science and Humanities and the Faculty Members & Technical Assistants of BS&HU Department for facilitating the students in their academic engagement during the Lockdown Period. Dr. Shilpi Pal, Asst. Prof. Mathematics and Ms. Payel Mandal, Asst. Prof. Mathematics coordinated the meeting. The main purpose of the meet was to create a common digital platform, where faculty members and parents shared a variety of issues student's educational experiences and their all round development during this period.

Guardians expressed their satisfaction for the concept of Digital Learning and the involvement of their wards in regular online classes, innovative projects, online tests, online assignments and their social involvement.

In the meeting, numerous points and opinions were shared and discussed and several questions and doubts were solved. Much stress was given on the academic domain and study-at-home for the students.

The meeting was very fruitful and interactive as thoughts and ideas were exchanged for the betterment of the students. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.



8. PTM with BCA1

A Digital Parent-Teacher Meeting for BCA1st year students was conducted by the Department of Basic Science and Humanities, Narula Institute of Technology on the Zoom platform on 6TH May 2020 from 3 pm onwards where 43 students along with their parents participated.

The meeting was organized by Dr. Sumit Nandi, HOD, BSHU and Ms. Rajasi Ray, TIC, English whereas Ms. Sharmistha Basu, Asst. Prof., English coordinated in arranging the students and their parents and hosted the entire session.

The Guardians appreciated the concept of Digital Learning and the involvement of their wards in regular online classes, online tests, online assignments and their social involvement. A few parents expressed their concern regarding the semester examination and their doubts were cleared by Ms. Rupa Saha, HOD, CA department.

In the meeting, numerous points and opinions were shared and discussed and queries related to the subjects English and Mathematics were answered. Much stress was given on the academic domain and study-at-home for the students. The parents expressed their gratitude to the faculties of English for the online lab classes which were conducted with the help of audio-video mode and You tube lectures and gave a feel of real-life lab class.

The meeting was highly interactive due to the spontaneous participation of the parents. The parents shared post meeting feedback expressing the effectiveness of the PTM. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.



9. PTM with BBA1

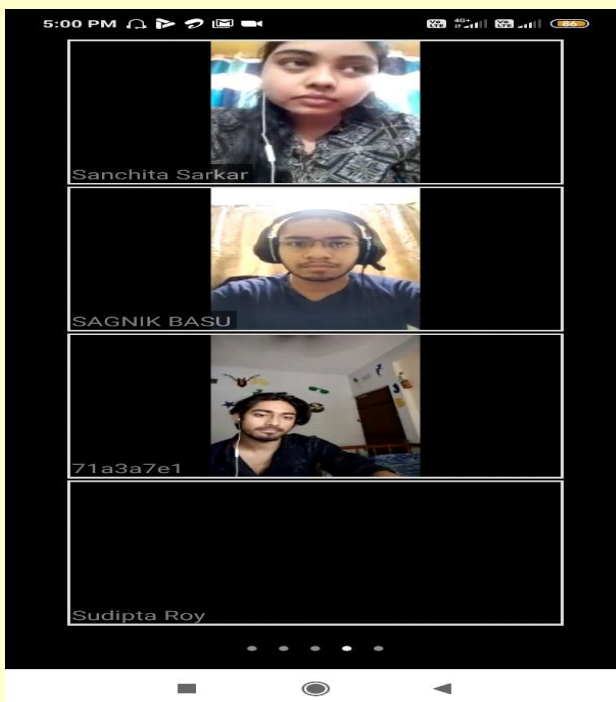
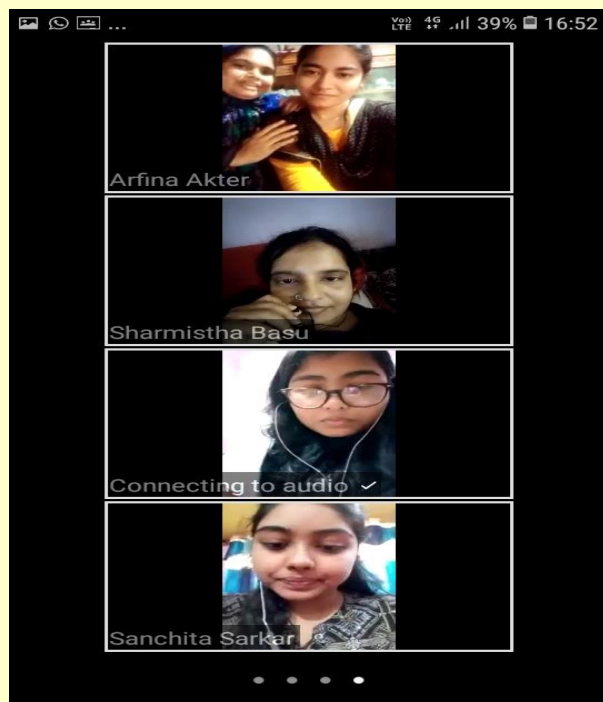
In conjunction with the digital activities of Narula Institute of Technology during this lockdown situation, Digital Parent-Teacher Meeting for BBA1st year students were conducted by the Department of Basic Science and Humanities on the Zoom platform on 30h April 2020 from 4.30 PM onwards where 27 students along with their parents and guardians participated.

All the parents appreciated the initiatives taken by the JIS Management Team, Prof. (Dr.) M. R. Kanjilal, Principal, Dr. Sumit Nandi, HOD, Basic Science and Humanities and the Faculty Members of BS&HU Department for facilitating the students in their academic engagement during the Lockdown Period. The main purpose of the meet was to create a common digital platform, where faculty members and parents shared a variety of issues student's educational experiences and their all round development during this period.

Guardians expressed their satisfaction for the concept of Digital Learning and the involvement of their wards in regular online classes, innovative projects, online tests, online assignments and their social involvement.

In the meeting, numerous points and opinions were shared and discussed and several questions and doubts were solved. Much stress was given on the academic domain and study-at-home for the students.

The meeting was very fruitful and interactive as thoughts and ideas were exchanged for the betterment of the students. The Digital Parent-Teacher Meeting assured the guardians/parents/stakeholders for constant interaction with the students with a view that NiT is always emotionally and digitally connected to our beloved students.



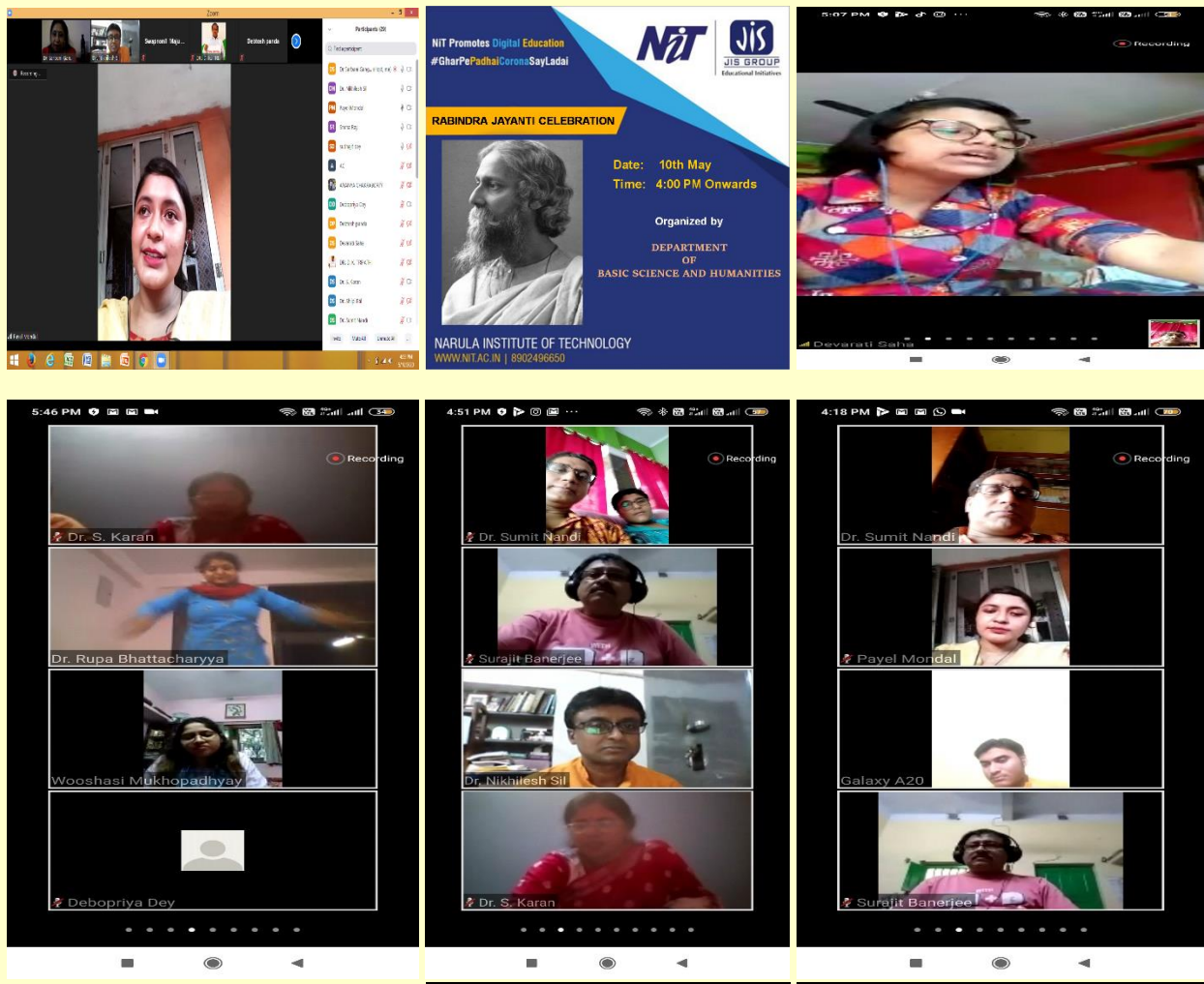
Rabindra Jayanti Celebration

Rabindra Jayanti is the day which marks the birth anniversary of the great scholar, novelist and Nobel Laureate Rabindranath Tagore. This year, 2020, marks his 159th birth anniversary and to pay tribute to Gurudev, the Department of Basic Science and Humanities of Narula Institute of Technology organized a cultural programme on 10th May, 2020 on ZOOM Platform. Faculty, staff and their family members of BS & HU along with students participated in this event.

The performers paid rich tribute on Gurudev's birthday by offering dance, singing melodious songs, reciting poems, recitals and playing instrumental from his repertoire. The whole programme was a spectacular event to look out for and it also marked the first online celebration from this department. It was a very pleasant evening with the smiling faces of our students and a thoroughly enjoyable and interactive session to attend with.

We are looking forward to organize more such interactive programs on digital platforms so that our students can feel more spirited in these lockdown days.

Screenshots of the gala engagement are attached for your kind perusal.



Awareness programme of COVID-19 during lockdown

A corona awareness video has been launched with a view to alert people against COVID-19. In this video, all the faculty and staff members of BS & HU participated with a poster. Snapshots are as follows:



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