

Dr. BIKASH PANJA

Professor | Dean, Faculty Council of Engg and Tech | Former Head of the Department | Mechanical Engineering



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Location | Kolkata, India

Experience | 15 Years

Research Publications: **23** SCI/Scopus/WoS Journals, **6** Book Chapters, and **12** Conferences, **6** Patent Published

Profile Summary

Mechanical Engineering academician, researcher, and administrator with **15 years of experience** in teaching, research, and institutional leadership. Currently serving as **Professor of Mechanical Engineering and Officiating Dean, Engineering and Technology at Swami Vivekananda University**. Holds a **Ph.D.** from **Jadavpur University** with specialization in Tribology. Expertise includes Manufacturing Technology, Tribology, Wire EDM, Materials Engineering, and Engineering Education Management. Published extensively in SCI/Scopus/WoS indexed journals and holds patents and book chapters. Recipient of the Institution of Engineers (India) **Gold Medal** for Best Journal Paper. Also serves as University Coordinator for **INFLIBNET (VIDWAN, Shodhganga, and Shodhgangotri)**, promoting research visibility and scholarly excellence.

Previously served as **Head, Department of Mechanical Engineering, Narula Institute of Technology**, with responsibilities encompassing academic planning, faculty coordination, student affairs, examinations, admissions, departmental administration, and **NBA** accreditation. Experienced in **NBA, NAAC, IQAC, OBE**, curriculum development, faculty development, and institutional academic coordination. Professional interests include academic excellence, research and innovation, industry–academia collaboration, outcome-based education, and impactful engineering research.

PROFESSIONAL SUMMARY

- **Professor**, Department of Mechanical Engineering, Swami Vivekananda University, Barrackpore, Kolkata, WB. (16th February 2024 - Till date).
- **Associate Professor**, Department of Mechanical Engineering, Narula Institute of Technology, Kolkata, WB. (January 2022 – 15th February 2024).
- **Assistant Professor**, Department of Mechanical Engineering, Narula Institute of Technology, Kolkata, WB. (July 2015 - December 2021).
- **Senior Research Fellow**, Department of Mechanical Engineering, Jadavpur University, Kolkata, WB. (August 2012 - June 2015)
- **Assistant Professor**, Department of Mechanical Engineering, Camellia Institute of Technology & Management, Hooghly, WB, (September 2011 – August 2012).

ADMINISTRATIVE RESPONSIBILITIES HELD

- **Dean** (Officiating), Faculty Council for Under Graduate and Post Graduate studies in Engineering and Technology, Swami Vivekananda University, Barrackpore, Kolkata, West Bengal. (27th May 2025 – Till date)
- Serving as **University Coordinator** for Shodhganga and ShodhGangotri at Swami Vivekananda University; involved in MoU preparation and coordination work with INFLIBNET Centre since 19.02.2026.
- **HOD** in Mechanical Engineering Department, Narula Institute of Technology, Kolkata, (2nd May 2022 – 31st January 2024).
- Performing **NBA work as a HOD** and successfully obtained NBA Accreditation from July 2023 to June 2026. Department of Mechanical Engineering, Narula Institute of Technology, Kolkata.
- Also worked as a committee member at the Institute for **NAAC Work** (AY 2018-19 to AY 2021-22) and active committee member of **IQAC** from 2016 to 15th February 2024. Narula Institute of Technology, Kolkata.
- **In-charge in Diploma Section**, Narula Institute of Technology, Kolkata, (8TH July 2016 – 15th February 2024). Job details: Looking after WBSCT&VE&SD related works and day to day Operational, Administrative Activities for smooth functioning of the institute. Narula Institute of Technology, Kolkata.
- In addition to that, I am also looking after the **Exam-cell** activities as an **Officer-in-Charge** (Diploma Examination), **Registration** of students and Admission related activities. Narula Institute of Technology, Kolkata,

TOTAL YEARS OF PROFESSIONAL EXPERIENCE

Teaching: 12 Years 01 Month

Research: 2 Years 10 Months

MEMBERSHIP OF PROFESSIONAL BODIES

The Association of Engineers, India / (LM - 337)

The Institution of Engineers (India) / (M – 164189-6)

ACADEMIC QUALIFICATION

Examination	Board/ Council/ University	Institution	Year of passing	Marks/ Grade
Ph.D in Engg. (Mech. Engg.)	Jadavpur University	Jadavpur University	2015	Awarded
M.Tech. in Prod. Engg.	W.B.U.T	Kalyani Govt. Engg. College	2011	7.86
B.Tech. in Mech. Engg.	W.B.U.T	Asansol Engg.College	2009	7.72
Diploma in Mech.Engg.	W.B.S.C.T.E	R.K.Mission Shilpapitha	2006	75.80
Secondary	W.B.B.S.E	P.S.C.High School	2001	69.38

TITLE OF THESIS

M. Tech: Comparison of Anti-loosening Characteristics of Various Threaded Fasteners with A Newly Developed One.

Ph.D: Tribology of Electroless Ni-P Coatings under Corrosive Environment.

SCHOLARSHIP, FELLOWSHIP, AWARD etc.

SRF under the UGC sponsored UPE II (27.08.12 – 30.06.15)

SPECIAL ACHIEVEMENT

1. Received a **gold medal** from The Institution of Engineers (India) for the best Journal paper, entitled “Tribological Behaviour of Electroless Ni-P Coatings in Brine Solution and Optimization of Coating Parameters Using Taguchi Based Grey Relation Analysis” (published in the Series ‘C’ Journal of IEI, Vol. 96, Issue 3) which was presented at the Prize Distribution Ceremony of the 31st Indian Engineering Congress at Hotel J W Marriott, Kolkata 700105, on 16th December, 2016.
2. To discuss the recent trends and scope on core Engineering at **RPLUS News** channel on 19th July, 2025 in the Live programme “Engineering shiksha bhavishat: Software or core”.
3. To discuss the recent trends and scope on Mechanical Engineering at **DD Bangla** channel on 14th July, 2023 in the Live programme “Ki hote hai”.
4. To discuss the scope of Diploma Engineering at **DD Bangla** channel on 30th July, 2021 in the Live programme “Ki hote hai”.

PUBLICATIONS

Book: A.K. Namdeo, D.S. Robinson Smart, **B. Panja** and S.B. Bhalake, Fundamentals of Manufacturing Technology, Rest Publishers Ltd, India, **2023** (ISBN: 978-81-965783-8-1)

Edited Book: Ranjan Kumar, Ravi Nigam, **Bikash Panja**, Innovative insights- A Guide to Mechanical Engineering, Swami Vivekananda University (Institutional Publisher), Kolkata-700121, India, 2024, ISBN: 978-81-964878-8-1.

List of Patent Published:

1. Indian Patent Application no. **202631018177** dated **06.03.2026** (Title “Intelligent Wire Arc Additive Manufacturing System with Adaptive Energy Input and In-Situ Diagnostics”), reviewed, accepted and published.
2. Indian Patent Application no. **202531040467** dated **02.05.2025** (Title “A solar-powered go-kart”), reviewed, accepted and published.
3. Indian Patent, **Design** Application no. **407218-001** dated **10.02.2024** (Title “EMPLOYEE PRODUCTIVITY MONITORING DEVICE”), reviewed, accepted and published.
4. Indian Patent Application no. **202331071140** dated **18.10.2023** (Title “AUTOMATED WALL PAINTING ASSISTIVE DEVICE”), reviewed, accepted and published.

5. Indian Patent Application no. **202231041420** dated **19.07.2022** (Title “SLICING DEVICE FOR VEGETABLES AND FRUITS”), reviewed, accepted and published.
6. Indian Patent Application no. **201631029886** dated **01.09.2016** (Title “A SYSTEM FOR GENERATION OF ELECTRICITY AND METHOD THERE OFF”), reviewed, accepted and published.

List of Publications (Referred Journals):

1. D. Roy, S. Banerjee, R. Basak, **B. Panja**, Effect of turning parameters on cutting forces, MRR, surface roughness and temperature of LM₆-Si₃N₄ nanocomposites, Journal of Manufacturing Processes, vol. 174, pp. 434-455, **2026**, <https://doi.org/10.1016/j.jmapro.2026.07.053> , ISSN: 2212-4616, **(SCI Indexed)**.
2. A. Gupta; H. Ghosh; K. Kumar; J. Roy; D. Majumdar; S. Ghosh; **B. Panja**, Study of CNC turner process parameters of 45C8 alloy based on surface roughness, AIP Conf. Proc., vol. 3361(1), 030008, **2025**, <https://doi.org/10.1063/5.0298571> , ISSN: 1551-7616, **(Scopus Indexed)**.
3. D. Pramanik, **B. Panja** and S. Banerjee, Parametric study of WEDM of titanium grade 12 using RSM and desirability approach, Emerging Materials Research, vol 13(1), pp. 1-11, **2024**, <https://doi.org/10.1680/jemmr.22.00192> , ISSN: 2046-0147. **(SCI Indexed)**.
4. H. Ghosh, S. Mukhopadhyay, M. Saha, S. Banerjee and **B. Panja**, Study of machining characteristics of 45C8 carbon steel alloy in CNC turner, Materials Today: Proceedings, online published on 10th February **2023**, <https://doi.org/10.1016/j.matpr.2023.01.374>, ISSN: 2214-7853 **(Scopus Indexed)**.
5. A. Bose, **B. Panja**, S. Chabri, A. Sarkar, A. Samanta and G. Roy, Analysis of the von Mises Stress for Edge and Embedded Cracks in Statically Loaded Planar Elements, NanoWorld Journal, vol. 9 (S1), pp. S450-S454, **2023**, <https://doi.org/10.17756/nwj.2023-s1-086>, ISSN: 2379-1101 **(Scopus Indexed)**.
6. S. Banerjee, **B. Panja** and S. Mitra, A Study on Kerf Width of EN47 Spring Steel in WEDM, Journal of the Association of Engineers, India. vol. 90, No. 1&2, **2020**, <https://doi.org/10.22485/jaei%2F2020%2Fv90%2Fi1-2%2F205387> ISSN: 0368-1106.
7. S. Banerjee, **B. Panja** and S. Mitra, Study of Process Parameters in WEDM with EN47 Spring Steel, Emerging Materials Research, vol. 9 (3), pp. 628-636 **2020**, <https://doi.org/10.1680/jemmr.19.00075> ISSN: 2046-0155. **(SCI Indexed)**.
8. S. Banerjee, **B. Panja** and S. Mitra, Study of MRR for EN47 Spring Steel in WEDM, Materials Today: Proceedings, vol. 5, pp. 4283-4289, **2018** <https://doi.org/10.1016/j.matpr.2017.11.693> ISSN: 2214-7853. **(Scopus Indexed)**.
9. **B. Panja** and S. Das, Development of an anti-loosening fastener and comparing its performance with different other threaded fasteners, Sadhana, vol. 42, no. 10, pp. 1793 – 1801, **2017**. <https://doi.org/10.1007/s12046-017-0719-4> ISSN: 0973-7677. **(SCI Indexed)**.
10. **B. Panja**, S.K. Das and P. Sahoo, Tribological Behaviour of Electroless Ni-P Coatings in Various Corrosive Environments, Surface Review and Letters, vol. 23(5), 1650040, pp. 1-18, **2016**. <https://doi.org/10.1142/S0218625X16500402> ISSN: 1793-6667. **(SCI Indexed)**.
11. S. Banerjee, S. Mitra and **B. Panja**, Optimization of WEDM Process Parameters of EN47 Spring Steel Based on Roughness Using Taguchi Method, IOSR Journal of Mechanical and Civil Engineering, vol. 13(3-I), pp. 46-50, **2016**. DOI: [10.9790/1684-1303014650](https://doi.org/10.9790/1684-1303014650) ISSN: 2278 – 1684.
12. **B. Panja** and S. Das, Antiloosening Ability of 5/8 Inch Stainless Steel BSW Threaded Fasteners, AIP Conf. Proc., vol. 1754 (1), 030015, **2016**, <https://doi.org/10.1063/1.4958359> , ISSN:1551-7616, **(Scopus Indexed)**.
13. **B. Panja** and P. Sahoo, Tribological behaviour of electroless Ni-P coatings in alkaline environment and optimization of coating parameters using Taguchi based grey relation analysis, Indian Journal of Engineering & Materials Sciences, vol. 22, pp. 503-512, **2015**. ISSN: 0975-1017. **(SCI Indexed)**.

14. **B. Panja** and P. Sahoo, Wear characteristics of electroless Ni-P coatings in alkaline medium and optimization of coating parameters, Journal of Manufacturing Technology Research, vol. 7, No. 1-2, pp. 25-38, **2015**. ISSN: 1943-8095. **(Scopus Indexed)**.
15. **B. Panja**, S.K. Das and P. Sahoo, Tribological behaviour of electroless Ni-P coatings in brine solution and optimization of coating parameters using Taguchi based grey relation analysis, Journal of the Institution of Engineers (India): Series C., vol. 96(3), pp. 299-309, **2015**. <https://doi.org/10.1007/s40032-015-0174-0> ISSN: 2250-0553. **(Scopus Indexed)**.
16. **B. Panja** and P. Sahoo, Study of Friction Performance of Electroless Ni-P Coatings in Brine Solution and Optimization of Coating Parameters, International Journal of Applied Engineering Research, vol. 10, No. 8, pp. 5900-5904, **2015**. ISSN: 0973-9769. **(Scopus Indexed)**.
17. **B. Panja** and P. Sahoo, Friction characteristic of electroless Ni-P coatings in acidic medium and optimization of coating parameters, International Journal of Applied Engineering Research, vol. 10, No. 11, pp. 10043-10047, **2015**. ISSN: 0973-9769. **(Scopus Indexed)**.
18. **B. Panja**, S.K. Das and P. Sahoo, Tribological behavior of electroless Ni-P coating in brine environment, Journal of the Institution of Engineers (India): Series D, vol. 95(2), pp. 153-159, **2014**. <https://doi.org/10.1007/s40033-014-0041-9> ISSN: 2250-2130. **(Scopus Indexed)**.
19. **B. Panja** and P. Sahoo, Taguchi - grey based optimization of friction and wear of electroless Ni-P coatings in acidic environment, International Journal of Surface Engineering and Interdisciplinary Materials Science, vol. 2(2), pp. 53-69, **2014**. DOI: [10.4018/IJSEIMS.2014070104](https://doi.org/10.4018/IJSEIMS.2014070104) ISSN: 2166-7233. **(Scopus Indexed)**.
20. **B. Panja** and P. Sahoo, Wear behavior of electroless Ni-P coatings in brine solution and optimization of coating parameters, Procedia Technology, vol.14, pp. 173-180, **2014**. <https://doi.org/10.1016/j.protcy.2014.08.023> ISSN: 2212-0173.
21. **B. Panja** and P. Sahoo, Friction performance of electroless Ni-P coatings in alkaline medium and optimization of coating parameters, Procedia Engineering, vol. 97, pp. 47-55, **2014**. <https://doi.org/10.1016/j.proeng.2014.12.223> ISSN:1877-7058.
22. **B. Panja** and P. Sahoo, Optimization of microhardness of electroless Ni-P coatings using Taguchi technique, IOSR journal of Mechanical and Civil Engineering, vol. 5, pp. 15-19, **2014**. ISSN: 2278 – 1684.
23. **B. Panja** and P. Sahoo, Preparation of electroless Ni-P coatings and its tribological characterization in sulfuric acid corrosive environment, Journal of Manufacturing Technology Research, vol. 6, No. 1-2., pp. 49-62, **2014**. ISSN: 1943-8095. **(Scopus Indexed)**.
24. **B. Panja** and P. Sahoo, Tribo-corrosion Behavior of Electroless Ni-P Coatings in Alkaline Corrosive Environment, Portugaliae Electrochimica Acta, vol. 32(5), pp. 303-313, **2014**. DOI: [10.4152/pea.201405303](https://doi.org/10.4152/pea.201405303) ISSN 1647-1571. **(ESCI Indexed)**.

Book Chapter:

1. Chikesh Ranjan, **Bikash Panja**, Sanjiv Kumar Tiwari, Kaushik Kumar, Raising Future Innovators: AI Education for Children, Preparing Children and Educators for AI- Driven Societies, IGI Global Scientific Publishing, **2026**, ISBN: 9798260024386, DOI: 10.4018/979-8-2600-2438-6.ch008 **(Scopus Indexed)**.
2. Chikesh Ranjan, **Bikash Panja**, Kaushik Kumar, Mastering Research Paper Writing and Publishing: A Comprehensive Guide to Scholarly Success, Social Implications of Research in Higher Education, IGI Global Scientific Publishing, **2025**, ISBN: 9798337306544, DOI: 10.4018/979-8-3373-0654-4.ch007 **(Scopus Indexed)**.
3. Gupta, P. Dhara, J. Das, S. Kundu, D. Pramanik, S. Kundu, **B. Panja**, Exploring kerf width in wire EDM of EN36B steel: A statistical Analysis, Advances in Materials, Manufacturing and

Design, Lecture Notes in Mechanical Engineering (Springer), **2024**, ISBN: 978-981-97-6666-6, https://doi.org/10.1007/978-981-97-6667-3_36 (Scopus Indexed).

4. **Bikash Panja**, Suman Kumar Ghosh, Sayan Paul and Anupam Mallick, Study of Kerf Width in Wire EDM of EN36B Steel: Key Factors and Optimization Strategies, Research Methodologies in Engineering and Applied Science, Bright Sky Publications TM, **2024**, ISBN: 978-93-6233-705-4, <https://doi.org/10.62906/bs.book.209>
5. **B. Panja** and D. Pramanik, Introduction to Engineering Composite Materials: Properties and Applications, Elements of Innovation: A Journey into Material Science and Engineering, Swami Vivekananda University (Institutional Publisher), Kolkata-700121, India, **2024**, ISBN: 978-81-964878-5-0.
6. S. Banerjee, **B. Panja** and P. Sahoo, Parametric optimization of machining characteristics of titanium alloy in WEDM, Nonconventional Machining, De Gruyter, **2023**, <https://doi.org/10.1515/9783110584479-006>, (Scopus Indexed).

List of Presentations in National/ International Conferences:

1. **B. Panja**, M.K. Das, S. Giri, D. Sanyal, D. Pramanik, and S. Banerjee, Experimental investigation on machining characteristics of 45C8 alloy using CNC turner, ANRF Sponsored 4th International Conference on Engineering Design and Computing (ICEDC 2026), 27th and 28th February, **2026**, Kolkata, India. Pp 68-69. DOI: 10.71431/978-81-998616-3-3.
2. **Bikash Panja**, Sourav Pramanik, Ranjan Kumar and Biswajit Banik, A Study of Kerf Width in Wire EDM of WC Alloy, ANRF Sponsored 4th International Conference on Engineering Design and Computing (ICEDC 2026), 27th and 28th February, **2026**, Kolkata, India. Pp 91-92. DOI: 10.71431/978-81-998616-3-3.
3. **Bikash Panja**, Suman Kumar Ghosh, Sayan Paul, Anupam Mallick, A study of anti-loosening ability between metric and bsw threaded fasteners, International Conference on Integrative Science and Engineering (ICISE) 2024, 20th & 21st June, **2024**, Kolkata, India. Paper Id : ICISE/ME/010.
4. A. Gupta, P. Dhara, J. Das, S. Kundu, D. Pramanik, S. Kundu and **B. Panja**, A Study on Kerf Width of EN36B Steel In WEDM, INCOM 2024, JU, Kolkata, India. **2024**, Paper ID: INCOM 426.
5. I. Paul, P. Majhi, S. Panja, B. Ghosh, S. Mondal, S. Banerjee and B. Panja, Optimization of process parameters of wedm of titanium alloy using taguchi methodology, Proceedings of International Conference on "Future Trends and Technological Advancement in Engineering 2020" (ICFTTAE-2020), Part 2, **2021**, Page no. 24-31, ISBN: 978-81-950351-2-0
6. S. Banerjee, **B. Panja** and S. Mitra, A Study on Kerf Width of EN47 Spring Steel in WEDM, National Conference on Trends and Advances in Mechanical Engineering, **2019**, Paper ID: TAME 127.
7. **B. Panja** and S. Das, Antiloosening Ability of 5/8 Inch Stainless Steel BSW Threaded Fasteners, 11th International Conference on Mechanical Engineering, Dhaka, Bangladesh, **2015**, Paper ID: 571.
8. **B. Panja** and S. Das, Comparing Antiloosening Ability Between M16 and 5/8 Inch BSW Threaded Fasteners, Proceedings of National Seminar on Application of Mathematics In Technology And Management, NiT, Kolkata, India, 2016, Page no. 23.
9. S. Banerjee, **B. Panja** and S. Mitra, Study of Roughness for EN 47 spring steel in WEDM, Proceedings of National Seminar on Application of Mathematics In Technology And Management, NiT, Kolkata, India, 2016, Page no. 29.

10. **B. Panja** and P. Sahoo, Wear Behaviour of Electroless Ni-P Coatings in Acidic Medium and Optimization of Coating Parameters Using Taguchi Method, Proceedings of 2nd International Conference on Advances in Mechanical Engineering and its Interdisciplinary Areas, CEM Kolaghat, India, **2015**, page no. 279-286.
11. **B. Panja** and S. Das, A Study of Anti-Loosening Ability of 5/8 BSW Fasteners under Vibration with High Tension Steel and Stainless-Steel Bolts, Proceedings of the 1st International and 16th National Conference on Machines and Mechanisms, IIT Roorkee, India, **2013**, page no. 873-878.
12. **B. Panja** and S. Das, On the Anti-Loosening Characteristics of M16 Threaded Fasteners under Vibratory Conditions, Proceedings of 15th National Conference on Machines and Mechanisms, IIT Madras, India, **2011**, paper no. 30.

List of Technical Magazines:

1. **B. Panja** and S. Das, Laser Welding and Its Applications, Reason-A Technical Magazine of Kalyani Government Engineering College, Kalyani, India, **2010**, vol. IX, pp. 48-52.

PAPER PRESENTED IN CONFERENCE / SYMPOSIUM / SEMINAR

Sl. No.	Name of the Conference/Symposium	Month/ Year	Title of the Paper
1	National Seminar on Application of Mathematics in Technology and Management, Narula Institute of Technology, Kolkata, India.	September/ 2016	Comparing Antiloosening Ability Between M16 and 5/8 Inch BSW Threaded Fasteners.
2	11 th International Conference on Mechanical Engineering, BUET, Dhaka, Bangladesh.	December / 2015	Antiloosening Ability of 5/8 Inch Stainless Steel BSW Threaded Fasteners.
3	International Conference on Emerging trends in Manufacturing, Engines and Modeling, SVKM's NMIMS, Shirpur, Maharashtra, India	February/ 2015	Friction Characteristic of Electroless Ni-P Coatings in Acidic Medium and Optimization of Coating parameters.
4	2 nd International Conference on Advances in Mechanical Engineering and its Interdisciplinary Areas, College of Engineering & Management, Kolaghat, India.	January/ 2015	Wear Behaviour of Electroless Ni-P Coatings in Acidic Medium and Optimization of Coating Parameters Using Taguchi Method.
5	12 th Global Congress on Manufacturing and Management VIT University, Vellore, India	December / 2014	Friction performance of electroless Ni-P coatings in alkaline medium and optimization of coating parameters.
6	International Conference on Modeling, Optimization and Computing, Noorul Islam University, Kumaracoi, India	April/ 2014	Study of Friction Performance of Electroless Ni-P Coatings in Brine Solution and Optimization of Coating Parameters
7	2 nd International Conference on Innovations in Automation and Mechatronics Engineering, GH Patel College of Engg. & Tech, Ballabh Vidyanagar, India	March/ 2014	Wear behavior of electroless Ni-P coatings in brine solution and optimization of coating parameters.
8	19 th West Bengal State Science & Technology Congress, Saha Institute of Nuclear Physics, Kolkata, India	March/ 2012	Studying Loosening of Metric Fasteners under Vibration to Find out Good Anti-Loosening Fastening Elements.
9	15 th National Conference on Machines and Mechanisms - IIT Madras, India.	December / 2011	On the Anti-Loosening Characteristics of M16 Threaded Fasteners under Vibratory Conditions

REFRESHER COURSES / METHODOLOGY WORKSHOPS / TRAINING / FACULTY DEVELOPMENT PROGRAMMES ATTEND

Sl. No.	Name of Programme	Organized by	Duration
1	One-week AICTE ATAL FDP on Digital Transformation in Manufacturing: Enhancing Efficiency and Innovation	Academy of Technology, Adisaptagram, West Bengal	21 st July 2025 to 26 th July 2025
2	One-week AICTE ATAL FDP on Digital Manufacturing Technology	National Institute of Advanced Manufacturing Technology, Ranchi, Jharkhand	02 nd Dec 2024 to 07 th Dec 2024.
3	One week Faculty Development Programm on AI/ML Based Smart System for Energy, Helthcare and Agricultural Industries.	Department of Electronics and Communication Engineering, Narula Institute of Technology, Agarpara, Kolkata	9 th Oct to 18 th Oct, 2023
4	Faculty Development Programm on "CO PO Mapping & CO PO Attainment"	Greater Kolkata College of Engineering and Management, Baruipur, GKCEM Baruipur,	10 th July to 14 th July, 2023
5	One Week Faculty Development Programme on Smart Materials & Systems for Sustainable Development	Department of Mechanical Engineering, JIS College of Engineering, Kalyani, West Bengal.	28 th June to 3 rd July 2021
6	One Week Faculty Development Programme on Advanced Materials & Mechatronics System for Industrial Automation	Department of Mechanical Engineering, JIS College of Engineering, Kalyani, West Bengal.	8 th June – 12 th June, 2020
7	TEQIP Online Certification on Digital Transformation in Teaching Learning Process	IIT Bombay Powered by SWAYAM	14 th Feb – 6 th March, 2020
8	One Week Faculty Development Programme on Fluid Power Control System (Hydraulic and Pneumatic)	Department of Mechanical Engineering, Narula Institute of Technology, Agarpara, Kolkata	1 st July – 6 th July, 2019
9	One Week Faculty Development Programme on Modern Trends in Industrial Automation & Control	Department of Electrical Engineering, Narula Institute of Technology, Agarpara, Kolkata	15 th Jan – 19 th Jan, 2018.
10	AICTE Sponsored Faculty Development Programme on Recent Developments in Artificial Intelligence & Robotics	Department of Electronics and Communication Engineering, Narula Institute of Technology, Agarpara, Kolkata	03 rd Jan – 13 th Jan, 2018.
11	Faculty & Staff Development Programme on "Recent Advancements in Computer Aided Design with Auto CAD"	Department of Electrical Engineering, Narula Institute of Technology, Agarpara, Kolkata	31 st Jan -11 th Feb, 2017
12	Workshop on Smart Foundry:2020	Department of Mechanical Engineering, Jadavpur University	12 th November, 2016
13	Workshop on "Advanced Joining Technologies"	Department of Mechanical Engineering, NIT, Silchar (Assam)	17 th – 21 th October, 2016
14	Workshop on Application of LASER in Mechanical Industries and Seminar on Application of LASER in Materials Processing.	School of Laser Science and Engineering, Jadavpur University, Kolkata, India	7 th Jan – 9 th Jan, 2010.

WORKSHOPS / CONFERENCES ORGANIZED

Sl. No.	Name of the Programme	Organized by	Duration	Activity
1	International Conference on Sustainable Research and Development (ICSRD) 2024	Swami Vivekananda University, West Bengal – 700121 India.	25 th & 26 th September, 2024	Coordinator

2	International Conference on Integrative Science and Engineering (ICISE) 2024	Swami Vivekananda University, West Bengal – 700121 India.	20 th & 21 st June, 2024	Convenor
3	TEQIP Sponsored Two days national workshop on “Recent Advances in mechanical engineering”	Department of Mechanical Engineering, Narula Institute of Technology, Agarpara, Kolkata.	24 th & 25 th February, 2017	Coordinator
4	TEQIP Sponsored One Week Faculty Development Programme on Quality Assurance Parameters of NBA	IQAC, Narula Institute of Technology, Agarpara, Kolkata.	6 th -10 th March, 2017	IQAC Member
5	Webinar on Role Modelling in Development of Engineering Science	Department of Mechanical Engineering, Narula Institute of Technology, Agarpara, Kolkata.	20 th April, 2020	Coordinator
6	International Webinar on Nanomaterials to Opportunities abroad	Department of Mechanical Engineering, Narula Institute of Technology, Agarpara, Kolkata.	8 th May, 2020	Coordinator
7	Webinar on Coal Base Thermal Power Plant	Department of Mechanical Engineering, Narula Institute of Technology, Agarpara, Kolkata.	11 th May, 2020	Coordinator

TRAINING COURSE ORGANISED:

Sl. No.	Name of the Programme	Organized by	Duration	Activity
1	CNC Manufacturing and Programming	Department of Mechanical Engineering, Swami Vivekananda University, West Bengal – 700121 India	10 th to 24 th July, 2024.	Course coordinator and Trainer
2	CNC Manufacturing and Programming	Department of Mechanical Engineering, Swami Vivekananda University, West Bengal – 700121 India	24 th July to 20 th Aug, 2026	Course Trainer

INVITED TALK

1. **Invite to deliver** a lecture on **"Prospect in Diploma education"** for the 2019 JEXPO aspirants. JIS School of Polytechnic, Kalyani, West Bengal, 18th May 2019.
2. **Invite to deliver** a lecture on **"Outcome-Based Education in Higher Education"** for the Faculty Development Program on the theme *"Innovations in Indian Education: Promoting Holistic, Multidisciplinary & Inclusive Teaching, Learning, and Governance"* School of Life Science, Swami Vivekananda University, 9th July 2025.

SESSION CHAIR

1. International Conference on Engineering Materials and Sustainable Societal Development – 2024 (ICEMSSD 2024), 26th -27th April, 2024. JIS College of Engineering, Kalyani, West Bengal, India.
2. International Conference on Sustainable Research and Development (ICSRD) 2024, 25th & 26th September, 2024, Swami Vivekananda University, West Bengal – 700121 India.

EDITORIAL BOARD MEMBER, /REVIEWER

1. Associate Editors, **Journal of Mechanical Engineering Advancements**, ISSN: 3048-5673 (Online)
2. Reviewer for **IGI Global**. (Edited Book 'Composites and Advanced Materials for Industrial Applications', 2018)
3. Reviewer for **REASON- A Technical Journal**
4. Reviewer for **IGI Global** (Book chapter 'Optimizing Current Strategies and Applications in Industrial Engineering').
5. Reviewer for **The Association of Engineers**, India.
6. Reviewer for **IOP Science**.
7. Reviewer for Journal of **The Institution of Engineers (India): Series D**

PERSONAL DETAILS

Date of Birth : 07th January, 1986
Father's Name : Mr. Gobinda Panja
Sex : Male
Marital Status : Married
Nationality/Category : Indian/General
Languages Known : Read, write and speak - (English, Bengali), & Speak only – (Hindi).

I hereby declare that all the informations furnished above are true to best of my Knowledge.



Date: 28/08/2026

Place: Kolkata

Signature
(BIKASH PANJA)