

Name: Dr. Chandan Chatteraj

Department: Mechanical Engineering

Contact No.: 9531591525

Qualification: Ph.D(Engg.), M.Tech., B.E.

Designation: Professor

Vidwan ID: 184798

Experience (Teaching / Research / Industry, in years): 19

Date of Joining at the Present Institution: 23.12.2002

Examination Cleared: GATE



Qualifications Summary (Reverse chronological order):

Degree	Institute	From-To	Subjects
Ph.D	N.I.T., Durgapur	2010	Rotordynamics
M.Tech.	R.E. College (NIT), Durgapur	2002	Design & Production
B.E.	R.E. College (NIT), Durgapur	1999	Mechanical Engineering

Experience Summary (In chronological order):

Sl.No.	Designation	Organization	Date From – Date To
01	Guest Lecturer	R. E. College, Durgapur (NIT-D)	July 2002-Dec.2002
02	Lecturer	Dr. B. C. Roy Engg. College, Durgapur	Dec.2002-Sept2004
03	Sr. Lecturer	Dr. B. C. Roy Engg. College, Durgapur	Oct. 2004-Jan. 2008
04	Asst. Professor	Dr. B. C. Roy Engg. College, Durgapur	Feb.2008-Dec.2011
05	Associate Professor	Dr. B. C. Roy Engg. College, Durgapur	Jan.2012-Aug.2016
06	Professor	Dr. B. C. Roy Engg. College, Durgapur	Sept2016 - till date

Specialization/Research Interest:

Rotordynamics, Robotics, Dynamics of Machines

Awards & Recognitions:

- Merit Scholarship from Durgapur Steel Plant (SAIL).
- Merit Scholarship from R.E. College, Durgapur (NIT-D).
- **University Gold Medal** in M.Tech.

Courses taught:**B.Tech.:**

Theory papers	Practical papers
1. Basic Robotics (ME612) – Interdisciplinary 2. Power Plant Engg. (ME621) – EE Dept 3. Mechanical Science (ME101)-OLD 4. Engineering Mechanics (ME101)-NEW 5. Mechanical Science (ME201)-OLD 6. Engg Thermodynamics & Fluid Mechanics (ME201)-NEW 7. Thermodynamics-I (ME302) 8. Material Science – EE Dept. 9. Thermodynamics-II (ME402), 10. IC Engines & Steam Turbines (ME501)-OLD 11. Dynamics of Machines (ME501)-NEW 12. Kinematics & Theory of Machines (PC-ME503) 13. Solid Mechanics (PC-ME502) 14. Automation, CNC Machines & Robotics (ME601). 15. Advanced Manufacturing (ME701) 16. Industrial Robotics (ME802B)	1. Engineering Graphics Lab (ME191) 2. Engineering Graphics Lab (ME291) 3. Graphics Lab (ME391) 4. Graphics Lab (ME494) 5. Machine Drawing-I 6. Machine Drawing-II 7. Measurement and Instrumentation Lab 8. Design Practice Lab (ME591) 9. CAD/CAM & Robotics Lab.(ME791) 10. Advanced Manufacturing Technology Lab (ME794) 11. Mechanical Engineering Lab II (Design) (PC-ME691) 12. Mechanical Engineering Lab III (Manufacturing) (PC-ME791)

M.Tech.:

Theory papers	Practical papers
1. Fundamental Of Robotics(ME1024), at RECD 2. Advanced Robotics (MME204A)	1. Advanced Manufacturing Lab (MME191)

Online Mode of Teaching:

During the Coronavirus Pandemic, students are taught following the mode of online teaching-learning process. The same timetable followed in physical mode is being followed online. Students are emailed a link to the Google Meet Class session along with class notes of the period(s), presentation slides and YouTube videos, recorded video of theory & lab classes. They can click on it to go directly into this session for the class. Each day's online class is followed by multiple choice questions (MCQs) in Google Quiz Forms. Submission of this from individual student is marked as attendance as well as formative assessment. An audio/video communication in Google meet platform (live class) helps the students for clarification and clearing the doubts. Weekly assignment is given in line with exams such as GATE, etc.

Publications:

Journal:

1. **Chandan Chatteraj**, S.N. Sengupta, 'Vibration Control by an Impact Damper', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol.1, No.1, April, 2006.
2. **Chandan Chatteraj**, S.N. Sengupta, 'A Pilot Following Trolley', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol. 1, No.2, December, 2006.
3. **Chandan Chatteraj**, 'NanoRobotics – An Emerging Technology', The Technical Journal of Pharmacy & Health, Vol.1, 2007.
4. **Chandan Chatteraj**, S.N. Sengupta, 'Gyro-Stabilized Unicycle Robot', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol. 2, No.1, March, 2007.
5. **Chandan Chatteraj**, S.N. Sengupta, 'Dynamics of E.O.T. Crane', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol. 2, No.1, March, 2007.
6. **Chandan Chatteraj**, S.N. Sengupta, 'Dynamics of Slider Crank Reciprocating Compressor', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol. 2, No.2, September, 2007.
7. **Chandan Chatteraj**, 'Tool Wear Compensation by Planetary Motion in EDM', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol. 2, No.2, September, 2007.

8. **Chandan Chatteraj**, S.N. Sengupta, 'Dynamics of Vertical Jeffcott Rotor', The Bulletin Of Engineering and Science (ISSN: 0974-7176), Vol. 3, No.2, September, 2008, pp09-19.
9. **Chandan Chatteraj**, S.N. Sengupta, M.C. Majumdar, 'Dynamics of A Horizontal Single Disk Jeffcott Rotor', Caledonian Journal of Engineering (ISSN: 1999-9496), Oman, Vol.05, No.02, July-December 2009, Pp52-61. (**Link**: <http://coeportal.nu.edu.om/Journal.aspx?id=386#a3>).
10. Dilip Kumar Adhwarjee, **Chandan Chatteraj**, 'Application of X and MR Chart in a Chemical Unit', International Journal of Engineering Science and Technology (IJEST: e-ISSN : 0975-5462, p-ISSN: 2278-9510), Vol.4, No.08, August 2012, Pp3705-3708. (**DOI**: <http://doi.org/10.21817/ijest>)
11. Arindam Paul, Shubhodeep Paul, Aryaneel Bangabash, **Chandan Chatteraj**, 'Performance Analysis of a 4-stroke Petrol Engine', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol. 5, No.1, April 2013.
12. **Chandan Chatteraj**, 'Analysis of Dynamic Behaviour of a Rotating Shaft with Central Mono-Disk'(article ID 1301010101009), International Academy for Science & Technology Education and Research, Vol.1, Issue 1, July-Sept 2013, Pp 77-88. (**Link**: <http://www.iaster.com/journaldetail.php>)
13. Asif Karim, **Chandan Chatteraj**, 'Effect of Arms of AlBeMet (AM162) Flywheel on Stress-strain Characteristics', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol. 5, No.2, September 2014 (ISSN: 0974 7176).
14. Sameer Dutta, **Chandan Chatteraj**, 'Improvement of Ring hammer's life in Coal crusher', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol.6 , No.1, April 2015.
15. **Chandan Chatteraj**, 'Influence of Mechanical properties on Dynamic behavior of Spur gear pair', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol.7, No.2, 2016.
16. **Chandan Chatteraj**, Shivabrata Majumdar, 'Influence of Vibrations on Two-wheeler Rider', The Bulletin Of Engineering and Science (ISSN: 09747176), Vol.8 , No.1, Pp18-23, September 2017.
17. **Chandan Chatteraj**, 'Evolution of whirl in flexible isotropic rotors : modelling and experimental study', International Journal of Latest Trends in Engineering and Technology(e-ISSN:2278-621X), Vol.9, Issue 2, Pp149-157 , (**DOI** : <http://dx.doi.org/10.21172/1.92.26>), November 2017.
18. **Chandan Chatteraj**, 'Effect of Mechanical Properties on Spur Gear Dynamics', International Educational Journal of Science and Engineering (ISSN: 2581-6195), Vol.1, Issue 1, 2018, Pp 16-18. (**Link**: <http://www.iejse.com/journal/index.php/iejse/issue/view/3>).

19. **Chandan Chatteraj**, Shivabrata Majumdar, “Dynamic Behaviour of Polydyne Cam-follower mechanism”, The Bulletin of Engineering & Science Journal (ISSN: 09747176), Vol. 8, No. 2, 2018.
20. **Chandan Chatteraj**, ‘Dynamics of Messed Spur Gear’, Journal of Research in Engineering and Applied Sciences, ISSN (Print) : 2456-6411, ISSN (Online) : 2456-6403, Vol. 05, Issue 01, January 2020, pp1 -4, (DOI: <https://doi.org/10.46565/jreas.2020.v05i01.001>).
21. ‘Tribology and Maintenance of Machinery – A Review’, Indian Journal of Production and Thermal Engineering (IJPTE), ISSN: 2582-8029, Volume-1 Issue-2, June 2021, Pp 16-20.
(DOI: <https://doi.org/10.35940/ijpte.B2010.061221>)

Conference:

1. **Chandan Chatteraj**, P.K. BasuRoy, ‘Influence of Process Parameters on Cold forging Characteristics of Porous Aluminium Compacts’, Conference on Advances and Recent Trends in Manufacturing (CARTM-2003), November 14-15, 2003, Kalyani Government Engineering College, Kalyani.
2. **Chandan Chatteraj**, Sudipta Choudhury, ‘Design and Manufacturing of a Portable Instrument for Measuring Modulus of Elasticity’, All India Seminar on Advances in Metrology for Manufacturing Technology, February 7-8, 2004, The Institution Of Engineers (INDIA), Durgapur Chapter.
3. **Chandan Chatteraj**, Sudipta Choudhury, S.N. Sengupta, ‘Tribology and Maintenance behaviour of machinery – A Review’, National Convention on Turn Around in Steel Industry, February 13-14, 2004, Central Mechanical Engineering Research Institute, Durgapur.
4. **Chandan Chatteraj**, Sudipta Choudhury, ‘Coal Mill Maintenance A Case Study’, National Workshop case studies on Thermal Power, March 4, 2004, National Power Training Institute, Durgapur.
5. **Chandan Chatteraj**, S.N. Sengupta, ‘Crash of a Motor Cycle Rider – A Case Study’, National Conference, MIT, Aurangabad, 2005
6. **Chandan Chatteraj**, S.N. Sengupta, ‘Dynamics Of Precision Geared Torsional’, AMTEG, Pune Institute of Engineering & Technology, Pune, 2005.
7. **Chandan Chatteraj**, ‘Control of A Pilot Following Trolley for Handicapped Biological Specimen’, Virtual Instrumentation Mantra 2008, November 21, 2008, National Instruments, Bangalore, India.

Book:

Chandan Chatteraj: 'Theory and Applications of Robotics', LAP LAMBERT Academic Publishing, ISBN-13: 978-620-0-26807-5, ISBN-10: 620026807X, EAN: 9786200268075, 2019.

Supervision of Ph.D/M.Tech / B.Tech Projects:**Final year Project for B.Tech.:**

Sl.No	Nmae of Students	Roll No.	Supervisor/s	Title of the Project	Year
1	GOPI KRISHNA PENJIARA	03227	Prof.Chandan Chatteraj	Improvement of EDM process Through Hybridization	2007
	BIPLAB GHOSH	03219			
	RITESH MUKHERJEE	03281			
	CHINMOY CHATTERJE	03204			
	INDRAJIT PAL	03284			
2	SUPROBHAT DAS	04215	Prof.Chandan Chatteraj	Optimization of NC part Programming for CNC Machine Tools	2008
	SUJOY BISWAS	04216			
	TAMOJIT ROY	04228			
	SUDIPTA MAJUMDAR	04235			
	GOURAB CHAKRABORTY	04233			
3	ANIRIDDHA BOSE	04218	Prof.Chandan Chatteraj	Development of Pick and Place Robot	2008
	SUBHRANIL GUPTA	04220			
	SUJIT KIMAR DEY	04229			
	RAJEEV ROSEN DEY	04234			
	RAKESH KUMAR SINGH	04264			
4	SAYAN BHADRA	12007051003	Prof.Chandan Chatteraj	Kinetostatics Design Consideration for an Articulated Leg-wheel Locomotion Subsystem	2009
	SUBHAJYOTI ADAK	12007051010			
	SUJIT SINGH	12007051028			
	SUJOY BHOWMIK	12007051052			
5	MALENDRA KUMAR	12007061025	Prof.Chandan Chatteraj	Layout of Thermal Power Plant	2010
	ASHUTOSH ROY	12007061027			
	BASANT KUMAR	12007061033			
	SUCHIT MONDAL	12007061043			
	SUHAIL HAQUE	12007061050			
	RAKESH KUMAR SINGH	12007061059			
6	MADHURANJAN KUMAR	12007061026	Dr.Chandan Chatteraj	Dynamic Characteristics of Rotatory Machines	2010
	BISWAJIT	12007061029			
	AJIT KUMAR SHARMA	12007061036			
	JASPREET SINGH	12007061056			
7	ABHINAV GAUTAM	071200107008	Dr.Chandan Chatteraj	Development of Hot Air Engine	2011
	SUBHASH CHANDRA LAIK	071200107029			

	PRAVEEN KUMAR SINGH	071200107031			
	ASHISH RANJAN KUMAR	071200107040			
8	SUKANTA ROY	08120007030	Dr.Chandan Chatteraj	Development of Displacer Type Stirling Engine	2012
	SUMAN PATI	08120007034			
	ANIRBAN GHOSH	08120007041			
	ABHISHEK ROY	08120007042			
	KAUSHIK PATTANAYAK	08120007056			
9	JAYANTA DAS	09120007014	Dr.Chandan Chatteraj	Performance Characteristics of Four Stroke Diesel Engine	2013
	PRABIR KUMAR KAR	09120007023			
	PABITRA KUMAR BHUNIA	09120007042			
	DHIRAJ KUMAR MONDAL	12000710060			
10	SANTOSH KUMAR	12000710004	Dr.Chandan Chatteraj	Development of Air Driven Engine	2014
	NITISH KUMAR	12000710006			
	MANORANJAN KUMAR	12000710020			
	RAHUL KUMAR	12000710035			
	SATYANARAYAN YADAV	12000710036			
11	KAMLESH KUMAR	12000711020	Dr.Chandan Chatteraj	Unmanned Aquatic Vehicle	2015
	KESHAW PANT GORAIN	12000711022			
	PRADIP GOPE	12000711034			
	RAJEEV KUMAR	12000711040			
	SATRIPTO MANDAL	12000711052			
12	NAUSHAD AHMAD KHAN	12000712156	Dr.Chandan Chatteraj	Lifting Table using Scissor Mechanism	2016
	NAVAL KISHRE MAHATA	12000712157			
	NAVEEN DWIVEDI	12000712158			
	NAVLESH KUMAR	12000712159			
	NIHAR RANJAN	12000712160			
	NILKAMAL	12000712161			
	NIRMAL KUMAR	12000712162			
13	GUNJAN KUMAR	12000713036	Dr.Chandan Chatteraj	Development of a Portable Transportation Device	2017
	HIMANSHU SINHA	12000713037			
	ISHAN BANIK	12000713038			
	ISHWER KUMAR	12000713039			
	JAYESH SHARMA	12000713040			
	KAUSTAV ROY	12000713041			
14	AMRIT KUMAR DAS	12000714014	Prof.(Dr.)C. Chatteraj & Prof. S. Majumdar	Design and Construction of a Spring Stiffness Testing Machine	2018
	ANAND ABHISHEK	12000714015			
	ANIRBAN PATRA	12000714016			
	ANKIT KUMAR	12000714017			
	ANKIT KUMAR	12000714018			
	ANKUR KUMAR	12000714019			
	ANURAG KUMAR	12000714020			
	ANURAG SINGH	12000714021			
	ANURAJ MISHRA	12000714022			
	ARABINDA GHOSH	12000714023			
	ARITRA GHARA	12000714024			

	ARUP NANDI	12000714025			
	ASHISH ANAND	12000714026			
15	AMRIT KUMAR JHA	12000715014	Prof.(Dr.)C. Chattoraj & Prof. S. Majumdar	Solar Water Pumping using Pendulum based Stored Energy System	2019
	ANIKET KUMAR SINGH	12000715015			
	ANSHU KUMAR SINGH	12000715016			
	ANUJ KUMAR JHA	12000715017			
	ANUPAM GUHA	12000715018			
	ARINDAM GHOSH	12000715019			
	ARPAN NASKAR	12000715020			
	ARYAN ANAND	12000715021			
	ASHISH ANAND	12000715022			
	ASHISH RANJAN	12000715023			
	ASIF JAWAID	12000715024			
	AVINASH KUMAR	12000715025			
	AVINISH BHARTI	12000715026			
	16	YUVRAJ SINGH UJJWAL			
WRIZU BASAK		12000716033			
VISHAL KUMAR MAHATO,		12000716034			
VIKASH KUMAR		12000716035			
UJJAWAL KUMAR		12000716036			
TONMAY KUMAR MONDAL		12000716037			
SWAYAMBHU GHOSH		12000716038			
SWARN SATYAM		12000716039			
SURAJ GHOSAL		12000716040			
SUNNY KUMAR BURNWAL,		12000716041			
SUMIT KUMAR		12000716042			
SUMIT KUMAR		12000716043			
SUMAN MANDAL		12000716044			
SUGAM KUMAR		12000716046			
17	SUDIP RAUT	12000717034	Prof.(Dr.)C. Chattoraj & Prof. S. Majumdar	Solar powered Rod Cutter	2021
	SUBRATA BERA	12000717036			
	SUBHADIP CHEL	12000717040			
	SAYAN BANERJEE	12000717059			
	SATYAM KUMAR	12000717061			
	SANKAR MAITY	12000717064			
	RAKESH KUMAR	12000717068			
	RAJESH GHOSHAL	12000717069			
	RAJEEV KUMAR	12000717070			
	RAHUL ANAND	12000717073			
	MD SHADAB KHAN	12000717086			
	KAUSHER ALI	12000717095			
	ARGHA GHOSH	12000717110			

Thesis for M.Tech.:

Sl.No	Name of Students	Univ. Roll	Supervisor/s	Title of the Thesis	Year
1	ASIF KARIM	12020112001	Prof.(Dr.) Chandan Chatteraj, Prof. Suman Karmakar	Analysis of Arm-Flywheel on its Strength and Deformation	2014
2	ALOK KUMAR DEEPAK	12012417008	Prof.(Dr.) Chandan Chatteraj	A Simplified Analysis of the Vibration of Variable Length Blade in Wind Turbine Systems	2019
3	SANKAR BAGCHI	12012418002	Prof.(Dr.) Chandan Chatteraj	Multi-Rotor Wind Turbine Design and Cost Analysis	2020
4	Rounak Mojumdar	12062419002	Prof.(Dr.) Chandan Chatteraj	A Comparative Study Of Magnetic Gears In Marine Industry	2021

Participation in seminar/conference/symposium/workshop/discussion meeting:

Sl.No.	Name of the event	Duration	Year	Organized by
01	Industrial Tour/Meeting	01 day	2004	National Power Training Institute, Durgapur
02	Challenges of Machining Advanced Materials	01 day	2006	CMERI, Durgapur
03	International Conference on Advanced Manufacturing Technologies	02 days	2007	CMERI, Durgapur
04	Autonomous Underwater Vehicle'	01 day	2008	BCREC, Durgapur
05	Coal Handling in Thermal Power Plant	01 day	2008	BCREC, Durgapur
06	Basics of Calibration, Error & Uncertainty	01 day	2008	BCREC, Durgapur
07	Recent Trends in Machine Intelligence, Data Mining and Soft Computing Techniques and its Impact on Research & Development	02 days	2013	BCREC, Durgapur
08	Advances in Welding Technology	01 day	2015	BCREC, Durgapur
09	Advances in Nano-Satellite Technology	01 day	2015	BCREC, Durgapur
10	Technology of Innovation	01 day	2017	BCREC, Durgapur

11	National conference in Indian Higher Education Quality Assurance, Accreditation & Ranking	01 day	2018	Education Promotion Society for India (EPSI)
12	IEEE sponsored National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTEA 2020)	02 days	2020	BCREC, Durgapur
13	Webinar: Psychological Counseling	01 day	2020	MAKAUT
14	Webinar: Future of Jobs & Workforce Development in Technology Sector	01 day	2020	IndiaSpark
15	NASSCOM Design & Engineering Summit 2021	02 days	2021	NASSCOM

Participation in Faculty Development Programmes:

Sl.No.	Name of FDP	Online / Face-to-face	From Date - To Date	Duration	Organized by
01	Tutorial on Mechatronic Systems	Face-to-face	13.11.2003-14.11.2003	02 days	Kalyani Govt Engg College
02	Hands on Training on CNC machines	Face-to-face	16.12.2006 - 22.12.2006	07 days	Hytech International Pvt Ltd, Pune
03	Hands on Training on Programming & Operating on CNC Machines	Face-to-face	10.9.2007-14.9.2007	05 days	CMERI, Durgapur
04	Fluid Dynamics & Its Applications	Face-to-face	7.7.2008 - 19.7.2008	2 weeks	NIT, Silchar (AICTE-MHRD)
05	Introduction to Robotics	Face-to-face	12.3.2011 - 13.3.2011	02 days	NIT Durgapur and IIT Bombay
06	Accreditation and Outcome Based Learning	Online	Aug-Oct 2019	8 weeks	SWAYAM-NPTEL-AICTE
07	Robotics	Face-to-face	09.12.2019 – 13.12.2019	05 days	AICTE Training And Learning (ATAL) Academy, Guwahati and NIT Durgapur
08	NBA-Accreditation and Teaching Learning in Engineering (NATE)	Online	Jan.-Apr 2020	12 weeks	SWAYAM-NPTEL-AICTE

09	Higher Education 2020: Requirements & Expectations	Online	8.7.2020-12.7.2020	05 days	TPCT's College of Engg, Osmanabad
10.	Robotics	Online	2.11.2020 – 6.11.2020	05 days	ATAL-FDP, at MNNIT, Allahabad
11.	Inculcating Universal Human Values	Online	18.1.2021 – 22.1.2021	05 days	AICTE
12	Patenting Technology and Process Innovations related to Renewable Energy	Online	17.2.2021 – 22.2.2021	05 days	Jadavpur University

Organization of events (Dr. B. C. Roy Engineering College)

Seminars/Webinars organized:

Sl.No.	Name of the event	Date
01	Autonomous Underwater Vehicle	Aug 27, 2008
02	Coal Handling in Thermal Power Plant	Sept 19, 2008
03	Basics of Calibration, Error & Uncertainty	Nov 8, 2008
04	3D Exposure & Project Work using SolidWorks	July 26, 2021
05	Industrial Application of Robotics	Oct 23, 2021

Workshop organized:

Sl.No	Name of the event	Duration
01	Robotryst-2014 (Robotics workshop cum National Level Championship)	Feb 20-21, 2014
02	Robotryst-2015 (Robotics workshop cum National Level Championship)	Feb 12-13, 2015

Participation in administrative committees (selected)

Sl.No	Name of the post	Name of the committee	Year
1	Member	Departmental Academic Committee	2013
2	Member	Project Monitoring & Industrial Liaising (PMIL) Cell	2017
3	Coordinator	NBA document preparation Committee (ME)	2017
4	Member	Appraisal Committee	2018
5	Member	Disciplinary Committee	2018
6	Member	Outlook Survey Committee	2018
7	Member	Academic Council	2019
8	Advisor	Website Support Committee	2019
9	Member-Secretary	Best Student Award committee	2019
10	Coordinator(ME/CE)	Techfest	Every year
11	Member	Saraswati Puja Core Committee	2020
12	Chairman	Recommendation Committee, IEEE-NCETSTEA 2020	2020
13	Chairman	Academic Committee	2020
14	Chairman	Enquiry Committee	2020

Additional Responsibilities:

1. Dean-Academics, Jan2020 – March2021
2. Editor-in-Chief, BCREC Newsletter, 2018 -till date.
3. Associate Editor, The Bulletin of Engineering and Science, ISSN: 09747176.

Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution:

1. **Eco-friendly Powered Wheel Chair**, Sponsored by The Institution of Engineers, India, Student representative: Rahul Singh, PI: Dr. S. N. Sengupta, Co-PI: **Chandan Chatteraj** (completed, 2008).

Membership of professional bodies: IEEE, IETE, IEI, CSI, MGMI etc.:

1. Member, The Institution of Engineers, India.
2. Member, International Association of Engineers.

Other activities:

1. Reviewer of Journal of The Institute of Engineers (India)-Series C.
2. Reviewer of Australian Journal of Mechanical Engineering (Taylor & Francis).
3. Reviewer of National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTEA 2020).
4. Session Chair in National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTEA 2020).
6. Technical Committee Member, The Hong Kong Society Of Robotics And Automation.
7. Supervisor of AMIE Projects.