

## **CURRICULUM VITAE**



Name: Prasanta Kr. Choudhury  
Designation: Associate Professor  
Institute: Assam Engineering College  
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### **Educational Qualifications:**

<i>Degree</i>	<i>Year</i>	<i>University/Institute</i>	<i>Class</i>	<i>Specialization</i>
B.E.	1996	Gauhati University/Assam Engineering College	1st	Mechanical Engineering
M.E	2010	-do-	1st	Mechanical Engineering ( <i>Thermal</i> )
PhD	Pursuing under Assam Science and Technology University (ASTU)			Energy

### **Professional Qualifications:**

<i>Designations</i>	<i>From</i>	<i>To</i>
Assistant Professor	03.10.07	24.02.21
Associate Professor	25.02.21	Till date

## **Publications:**

## **Books:**

1. Associated as subject expert in the text book made for six month certificate course on welding (CWC1, CWC2 &CWC3) under KKHSOU (Krishna Kanta Handique State Open University).

## **International Journals/Proceeding papers:**

1. A.Pathak, P. K. Choudhury and R.K.Dutta, ‘**Effect of Process Parameters on the Exhaust Emissions from a V.C.R. petrol engine using Taguchi’s Design of Experiment**’, *Proc. of International Conference on Green Energy & Smart Materials through Science, Technology and Management(GESM), jointly organized by Gauhati University, Assam, India and University of South Africa, Florida, South Africa in association of SECONE. , January 21<sup>st</sup> to 23<sup>rd</sup>, 2014.[Proceeding]*
2. S.Rajbongshi, A.Borah and P.K. Choudhury, ‘**Optimization of process parameters in turning of grey cast iron with mixed oxide ceramic tool using Taguchi’s Approach**’, *Proc. of 5<sup>th</sup> International & 26<sup>th</sup> All India Manufacturing Technology, Design and Research Conference, December 12<sup>th</sup> –14<sup>th</sup>, IIT Guwahati, Assam, India, 2014. [Proceeding]*
3. R.Mustafa Mazarbhuiya, P.K.Choudhury and M.Rahang, ‘**Taguchi-Grey Relational based Multi-Objective Optimization of Process Parameters in EDM of Aluminium with Copper Electrode**’, *International conference TECHNOVA-2016, 22<sup>nd</sup> to 23<sup>rd</sup> December, 2016, Jointly organised by G.U.(Assam) and Krishi Sanskriti, New Delhi. [Journal of Basic and Applied Engineering Research (JBAER),Vol.3,Issue13, Oct-Dec,2016 , pp-1169-1171 ]*
4. R.Mustafa Mazarbhuiya and P.K.Choudhury, ‘**An Experimental Study on Parametric Optimization for Material Removal Rate and Surface Roughness in EDM by using Taguchi method**’, *7<sup>th</sup> International Conference (ICMPC-2017), 17<sup>th</sup> to 19<sup>th</sup> March,2017 jointly organised by Deptt of Mechanical Engg. ,GRIET with MANIT, Bhopal (M.P)[ELSEVIER Proceeding]*
5. A.Pathak, P.K.Choudhury and R.K.Dutta, ‘**Taguchi-Grey Relational based Multi-Objective Optimization of Process Parameters on the emission and fuel consumption characteristics of a VCR Petrol Engine**’, *7<sup>th</sup> International Conference (ICMPC-2017), 17<sup>th</sup> to 19<sup>th</sup> March,2017 jointly organised by Deptt of Mechanical Engg. ,GRIET with MANIT, Bhopal (M.P) [ELSEVIER Proceeding]*
6. Mr. Uddipta Das, Mr. Prasanta Kumar Choudhury, “ **Parametric Optimization for yield of Biodiesel from Waste Cooking Oil Feedstock**”, International Conference on Recent Innovations & Developments (IC-RIDME 2018) in Mechanical Engineering, NIT Meghalaya, India, 8<sup>th</sup> to 10<sup>th</sup> November, 2018. [*SPRINGER Proceeding & Journal* ]
7. Mr.P.Sharma, Mr.P.K. Choudhury, “ **Parametric Optimization of for minimization of pressure development in oil pipe line due to wax deposition using Taguchi method**”, International Conference on Renewable and Alternate Energy (ICRAE-2018), ASTU (Assam) ,India, 4<sup>th</sup> to 6<sup>th</sup> December, 2018.[ *Proceeding & Journal* ]

8. P.K.Choudhury and D.Bora, ‘**A Comparative Study of Multi-Objective Optimization Methods for I.C. Engine Performance Study of Koroch Blend Biodiesel**’, *Journal of Energy Research and Environmental Technology (JERET)*, Vol-6, Issue-3, July-Sept., 2019.

#### **International Conference papers:**

1. A.Pathak, P. K. Choudhury and R.K.Dutta, ‘**Effect of Process Parameters on the Exhaust Emissions from a V.C.R. petrol engine using Taguchi’s Design of Experiment**’, *International Conference on Green Energy & Smart Materials through Science, Technology and Management (GESM ‘14)*, jointly organized by Gauhati University, Assam, India and University of South Africa, Florida, South Africa in association of SECONE, January 21<sup>st</sup> to 23<sup>rd</sup>, 2014.
2. S.Rajbongshi, A.Borah and P.K. Choudhury, ‘**Optimization of process parameters in turning of grey cast iron with mixed oxide ceramic tool using Taguchi’s Approach**’, *Proc. of 5<sup>th</sup> International & 26<sup>th</sup> All India Manufacturing Technology, Design and Research Conference*, December 12<sup>th</sup> –14<sup>th</sup>, IIT Guwahati, Assam, India, 2014.
3. R.Mustafa Mazarbhuiya, P.K.Choudhury and M.Rahang, ‘**Taguchi-Grey Relational based Multi-Objective Optimization of Process Parameters in EDM of Aluminium with Copper Electrode**’, *International conference TECHNOVA-2016*, 22<sup>nd</sup> to 23<sup>rd</sup> December, 2016, Jointly organised by G.U.(Assam) and Krishi Sanskriti, New Delhi.
4. R.Mustafa Mazarbhuiya and P.K.Choudhury, ‘**An Experimental Study on Parametric Optimization for Material Removal Rate and Surface Roughness in EDM by using Taguchi method**’, *7<sup>th</sup> International Conference (ICMPC-2017)*, 17<sup>th</sup> to 19<sup>th</sup> March,2017 jointly organised by Deptt of Mechanical Engg. ,GRIET with MANIT, Bhopal (M.P)
5. A.Pathak, P.K.Choudhury and R.K.Dutta, ‘**Taguchi-Grey Relational based Multi-Objective Optimization of Process Parameters on the emission and fuel consumption characteristics of a VCR Petrol Engine**’, *7<sup>th</sup> International Conference (ICMPC-2017)*, 17<sup>th</sup> to 19<sup>th</sup> March,2017 jointly organised by Deptt of Mechanical Engg. ,GRIET with MANIT, Bhopal (M.P)
6. Mr. Uddipta Das, Mr. Prasanta Kumar Choudhury, “**Parametric Optimization for yield of Biodiesel from Waste Cooking Oil Feedstock**”, *International Conference on Recent Innovations & Developments (IC-RIDME 2018) in Mechanical Engineering*, NIT Meghalaya, India, 8<sup>th</sup> to 10<sup>th</sup> November, 2018.
7. Mr.P.Sharma, Mr.P.K. Choudhury, “**Parametric Optimization of for minimization of pressure development in oil pipe line due to wax deposition using Taguchi method**”, *International Conference on Renewable and Alternate Energy (ICRAE-2018)*, ASTU (Assam) ,India, 4<sup>th</sup> to 6<sup>th</sup> December, 2018.
8. Mr. P. K Choudhury, Mr. N.Kashyap, “**Application of taguchi-dear method for parametric optimization of CI engine performance and emission with waste cooking oil biodiesel**”, *International Conference on Modeling, Simulation and Optimization (CoMSO2021)*, NIT Silchar, 16<sup>th</sup> to 18<sup>th</sup> December, 2021.

### National Conference papers:

1. A.Pathak, P. K. Choudhury and R.K.Dutta, ‘**Effect of Process Parameters on the fuel consumption characteristic of a VCR petrol engine using Taguchi’s design of experiment**’, *National Conference on Emerging Global Trends in Engineering and Technology (Egtet)*, 7<sup>th</sup> and 8<sup>th</sup> march, 2014, DBCET. [**Proceedings**]
2. P.Sharma and P.K. Choudhury, ‘**Optimization of operating process parameters for minimization of pressure development in oil pipe line due to wax deposition using Taguchi method**’, *All India Seminar on “Recent Trends in Mechanical Engineering”, Mechanical Engineering Division Board, IEI held on 21<sup>st</sup> to 22<sup>nd</sup> October, 2016. [**Proceedings**]*
3. P.K.Choudhury and D.Bora, ‘**Multi-response optimization for Koroch bio-diesel using Assignment of Weights method**’, *National Seminar on Wind Engineering-Prospects and Challenges, 8<sup>th</sup> to 9<sup>th</sup> Feb.,2018 in association of ISWE organised by PCPS girls’ Polytechnic, Ghy-21[**Proceedings by McGraw Hills**]*
4. U.Das and P.K.Choudhury, ‘**Study and Determination of the Physico-chemical properties of Waste Cooking Oil and a review of its effect on Biodiesel Production**’, *National Seminar on Wind Engineering-Prospects and Challenges, 8<sup>th</sup> to 9<sup>th</sup> Feb.,2018 in association of ISWE organised by PCPS girls’ Polytechnic, Ghy-21[**Proceedings**]*
5. P.K.Choudhury and D.Bora, ‘**Multi-response optimization for Koroch bio-diesel using Taguchi-Grey Relational Analysis**’, *NCRAS-2018, 15<sup>th</sup> to 17<sup>th</sup> March, 2018, organised by ASTU, Ghy, sponsored by TEQIP III[**Proceedings**]*
6. Jimpi Anan and P.K.Choudhury, ‘**Application of Grey Relational Analysis for Performance Study of a Solar Dryer**’, 6<sup>th</sup> National Conference on Energy Efficient Mechanical Systems Design and Manufacturing”, held at PSG college of Technology, Coimbatore, 30<sup>th</sup> April,2019. [**Proceedings**]
7. A.Barman, M.Lahkar, P.S.Kakati, K.P.Deka, P.K.Choudhury and R.Rahman, ‘**Design and Analysis of a Retrofitted Medico-wheel Chair**’, 6<sup>th</sup> National Conference on Energy Efficient Mechanical Systems Design and Manufacturing”, held at PSG college of Technology, Coimbatore, 30<sup>th</sup> April,2019. [**Proceedings**]
8. Bidisha Chetia and P.K. Choudhury, ‘**Multi-Objective Optimization of Engine Performance with Waste Cooking Oil (WCO) Biodiesel using Taguchi-Dea Method- A Case Study**’, *TEQIP III Sponsored National Conference for students on Advances in Mechanical Engineering held on 6<sup>th</sup> March, 2020 at Mechanical Engineering Dept., AEC*
9. Akashdeep Madhukalya, Bikash Prasad Haloi, Sanjib Das and P.K. Choudhury, ‘**Parametric Optimization for Yield of Biodiesel from Waste Cooking Oil (WCO) using NaOH as catalyst**’, *TEQIP III Sponsored National Conference for students on Advances in Mechanical Engineering held on 6<sup>th</sup> March, 2020 at Mechanical Engineering Dept., AEC*
10. Jimpi Anan and P.K.Choudhury, ‘**Parametric Optimization of Solar Drying Using Grey Relational Analysis (GRA) and Response Surface Methodology**’ *NCRAS-2020, 17<sup>th</sup> to 19<sup>th</sup> Aug, 2020, organised by ASTU, Ghy, sponsored by TEQIP III[**Proceedings (in press)**]*
11. N.Kashyap and P.K.Choudhury, ‘**Biodiesel Production from Waste Cooking Oil and Its Performance and Emission Characteristics: A Review**’, *NCRAS-2020, 17<sup>th</sup> to 19<sup>th</sup> Aug, 2020, organised by ASTU, Ghy, sponsored by TEQIP III[**Proceedings (in press)**]*

### **Awards/Prizes:**

1. Received '**COLLEGE HONOUR**' in academics, 1996-97.
2. Own Gold Medal in G.U. inter college '**INTER-COLLEGE YOUTH FESTIVAL, 1994-95**' (Instrumental Music)
3. Own Gold Medal in '**TECHNO-MEDICO MEET, 1996**' (Instrumental Music)
4. '**AWARDS TO YOUNG TALENTED FOLK ARTIST**' (in Instrumental Music) organized by Eastern Zonal Cultural Centre, Kolkata in collaboration with Directorate of Cultural Affairs, Assam, 29<sup>th</sup> to 30<sup>th</sup> October, 2003.
5. **AIR & DOORDARSHAN (PRASAR BHARATI)** approved artist.
6. Awarded '**SANGEET BIVAKAR**' by Bangiya Sangeet Parishad in Guitar (Spanish) in 2011-2012.
7. Awarded Certificate for contribution as Evaluator in SIH (Smart Heckathon India)-2019.
8. Awarded one of the best paper presentations in the international conference on '**Recent Trends and Practices in Science, Technology, Management and Humanities for Sustainable Rural Development (STMH-2019)**', held at USTM, Meghalaya, supported by Krishi Sanskriti, New Delhi, 6<sup>th</sup> -7<sup>th</sup> September, 2019.
9. Awarded one of the best paper presentations in **NCRASST-2020, 17<sup>th</sup> to 19<sup>th</sup> Aug, 2020, organised by ASTU, Ghy, sponsored by TEQIP III**

### **Invited Lecture delivered:**

1. Delivered lecture for PGDC course of Thermal Engineering at NPTI, Ministry of Power Govt. of India, Guwahati from 8<sup>th</sup> to 12<sup>th</sup> August, 2013.
2. Delivered lecture for PGDC course of Thermal Engineering at NPTI, Ministry of Power Govt. of India, Guwahati from 11<sup>th</sup> to 14<sup>th</sup> August, 2014.
3. Delivered lecture as a resource person for the Refresher Course in Business Studies, UGC-HRD Centre, Gauhati University on 19<sup>th</sup> February, 2017
4. Delivered lecture as resource person in TEQIP-III sponsored Two-week Faculty Development Program on **Research Methodology and Pedagogy in Teaching Learning**, jointly organized by ASTU and Chemical Engg. Department, Assam Engg. College from 20<sup>th</sup> to 31<sup>st</sup> May, 2019.
5. Delivered lecture as resource person in **Community Teaching Programme** held in Assam Engineering College, Ghy-13, from 1<sup>st</sup> to 15<sup>th</sup> July, 2019.
6. Delivered lecture in the webinar '**Biomass and Bioenergy**' organized by JIST in association with ASTU under TEQIP III on 29<sup>th</sup> August, 2020.

**Post Graduate Thesis guided:** 9(nine) nos. already guided and completed. The 10<sup>th</sup> thesis work is going on and to be submitted soon. Presently guiding another two research scholars.

**Member of Professional Institutions:**

1. Life member of Indian Welding Society (*IWS*)- *L01079*
2. Life member of Indian Society For Technical Education ( *ISTE*)-*LM 123707*

**Member of Organizing Committee of Conference/Workshop/Others:**

1. International Workshop on Wind Engineering- Prospects and Challenges held in Assam Engineering College, Guwahati on 23<sup>rd</sup> February 2013.
2. NEQIP (STC) on Introduction to Numerical, Computational and Experimental Mechanics (INCEM 2014) held in Assam Engineering College, Guwahati from 9<sup>th</sup> to 13<sup>th</sup> December 2014.
3. AICTE-NEQIP sponsored National Conference on Non-Conventional Energy: Harvesting Technology and Its challenges, 17<sup>th</sup> -18<sup>th</sup> Nov., 2017, jointly organized by Chemical Engineering Department and Mechanical Engineering Department, Assam Engineering College.
4. Two week Faculty Development Programme (FDP) on Recent Advancement in Welding and Allied Processes held in Deptt of Mechanical Engineering, Assam Engineering College, jointly organized by MED & IPE Deptt., AEC and PSG College of Technology, Coimbatore from 13<sup>th</sup> to 24<sup>th</sup> August, 2018.
5. State Advisor, IGASF (Indigenous Games & Adventures Sports Federation), Govt. of India.
6. One of the core member of the Advisory Committee of TEQIP III Sponsored National Conference for students on Advances in Mechanical Engineering held on 6<sup>th</sup> March, 2020 at Mechanical Engineering Dept., AEC
7. One of the core members of organizing committee of NCRAS, ASTU, 2019
8. One of the core members of organizing committee of NCRAS, ASTU, 2020
9. Member of Admission Committee of Dhemaji Engineering College for session 2020-21
10. Member of the selection committee of Pratul Chandra Baruah Merit Award Scholarships 2022 offered by Mechanical Engineering Department, Assam Engineering College

**Projects Sanctioned:**

Two projects were sanctioned under Collaborative Research Scheme (CRS) sponsored by MHRD (TEQIP III) of ASTU for the session 2019-2020 and completed successfully.

**Interaction with Outside World:**

Serial No	Activity	Organisation	Date
1	External Examiner for B.Tech.3rd Sem. Practical Exam	GIMT, Azara, Ghy-17	19 <sup>th</sup> and 21 <sup>st</sup> Dec.,2015
2	MSME-AEC Meet,2016 (Institute-Industry Interaction)	MED,AEC	12/05/16
3	External Examiner for B.Tech. End Sem. Practical Exam.	Royale School of Engg & Technology, Ghy-35	05/01/17
4	External Examiner for B.Tech.6 <sup>th</sup> Sem. Practical Exam	GIMT, Azara, Ghy-17	12/05/17
5	External Examiner for B.Tech.3rd Sem Practical Exam	GIMT, Azara, Ghy-17	15/11/17
6	Evaluator for Exhibition on 'Innovation and Entrepreneurship' organised by DSIR TOCIC at IITG	Conference Hall Complex, IITG	12/01/18
7	External Examiner for B.Tech.8 <sup>th</sup> Sem. Project Viva.	Royale School of Engg & Technology, Ghy-35	25/06/18
8	External Examiner for B.Tech.8 <sup>th</sup> Sem. Comprehensive Viva.	GIMT, Azara, Ghy-17	26/06/18
9	External Evaluator in <b>GUNOTSAV:ASSAM 2018 (Round II)</b> in 2018 under Sarbasiksha Abhijaan		
10	Presiding Officer in <b>Panchayat Election</b> held on 5 <sup>th</sup> Dec., 2018		
11	Felicitated in the First Convocation of ASTU for Tune and Music composition of University Anthem on 23 <sup>rd</sup> February, 2019		
12	Contribution as Evaluator	SIH (Smart India Heckathon)-2019	March, 2019
13	Delivered lecture as resource person in TEQIP-III sponsored Two-week Faculty Development Program on Research Methodology and Pedagogy in Teaching Learning, jointly organized by ASTU and Chemical Engg. Department, Assam Engg. College from 20 <sup>th</sup> to 31 <sup>st</sup> May, 2019.		
14	External Examiner for B.Tech.6 <sup>th</sup> Sem. Practical Exam	GIMT, Azara, Ghy-17	21/05/19 & 23/05/19
15	Delivered lecture as resource person in Community Teaching Programme held in Assam Engineering College, Ghy-13, from 1 <sup>st</sup> to 15 <sup>th</sup> July, 2019.		
16	External Examiner for B.Tech.8 <sup>TH</sup> Sem. Project Viva-voce	RSET, Ghy-35	04/07/19
17	External Examiner for B.Tech.8 <sup>TH</sup> Sem. Grand Viva Exam	GIMT, Azara, Ghy-17	06/07/19

18	Collaborative Research Scheme (CRS) project of ASTU sanctioned under TEQIP-III sponsored by MHRD.[already completed]	<b>2 nos.:</b> As PI in one project and CO-PI in another project	2019-2020
19	Performed duty in Counselling and Admission of CEE/ JLEE/JMEE 2019-20 in AEI, Chandmari, Guwahati.	Member of Document Verification Committee	From 29 <sup>th</sup> to 31 <sup>st</sup> July, 2019
20	Performed duty in Counselling and Admission of CEE 2019-20 in AEI, Chandmari, Guwahati.	-do-	From 6 <sup>th</sup> to 7 <sup>th</sup> August, 2019
21	Appointed as Invigilator of NEET Exam, 2019		
22	Obtained <b>Elite</b> in the NPTEL Online Certification Course of ' <b>Noise Management and Control</b> '		Jul-Oct 2019
23	Completed NPTEL Online Certification Course of ' <b>Operation Management</b> '		Jan-April 2020
24	AEC cadet of NCC got best cadet prize in the ' <b>Ek Bharat Shresta Bharat Camp</b> ' held at Arunachal Pradesh in my tenure as CTO/ANO(i/c)		From 6 <sup>th</sup> to 17 <sup>th</sup> January, 2020
25	Obtained TEQIP ONLINE CERTIFICATION for completing two weeks course on ' <b>Digital Transformation in Teaching Learning Process</b> ' offered by IIT, Bombay.		From 17 <sup>th</sup> January to 7 <sup>th</sup> February, 2020.
26	Judged in the event ' <b>STACCATO</b> ' of Pyrokinesis 2020, the mega cultural festival of AEC .		13 <sup>th</sup> February,2020
27	Judged in the event ' <b>PENTASYMPHONY</b> ' of Pyrokinesis 2020, the mega cultural festival of AEC.		14 <sup>th</sup> February, 2020
28	Performed instrumental music in the function ' <b>BRIDGING CLASSICAL WITH FOLK ARTS 2020</b> ' organized by NORTH EAST ZONE CULTURAL CENTRE, Shilpgram, Guwahati.		15 <sup>th</sup> February, 2020
29	Performed duty as Verification Officer for online document verification under Directorate of Technical Education , Assam		Assigned on 25 <sup>th</sup> August, 2020
30	Appointed as observer for written test of faculties/ supporting staff under directorate of technical education		17 <sup>th</sup> Jan, 2021
31	Appointed as observer for NEET2021 held at Holy Child School, Chandmari, Ghy-03		12 <sup>th</sup> Sep.,2021
32	Appointed as observer for DUET2021 held at ADBU, Azara, Ghy		26 <sup>th</sup> Sep., 2021
33	Appointed as External for M.Tech Dissertations at ASTU		17 <sup>th</sup> Feb. and 3 <sup>rd</sup> April, 2021
34	Appointed as Election Observer for AECSU Election 2021-22		28 <sup>th</sup> Aug., 2021
35	Invited as judge for exhibition and to deliver lecture for a lecture series held at Modern English School, Kahilipara,Guwahati-19 on 17 <sup>th</sup> December, 2021		17 <sup>th</sup> Dec., 2021



**Total Short Term Course (STC)/ Faculty Development Programme (FDP) attended:**

<i>Sl.No</i>	<i>Title</i>	<i>Organiser/Conductor</i>	<i>Duration</i>	<i>From</i>	<i>To</i>
1	Development of Staff Training Program	NITTTR, Kolkata	1 week	23/07/07	27/07/07
2	Quality Management System Development-ISO 9000:2000	NITTTR, Kolkata	1 week	10/09/07	14/09/07
3	Power Hydraulics & Pneumatics	NITTTR, Kolkata	1 week	21/01/08	25/01/08
4	Introduction to Micro-Manufacturing Technologies	MED,IITG (QIP under AICTE sponsored STC)	1 week	24/02/08	28/02/08
5	TO Establish an Institute of Excellence (IOE) for Advanced Studies, Training and Research in Mechanical Engineering	MED,IITG (QIP under AICTE )	1 week	7/12/09	11/12/09
6	Advances in Bio-fuel Research	Centre for Energy & CED,IITG (QIP under AICTE )	1 week	29/11/10	3/12/10
7	Rotors Supported on Hydrodynamic Bearings	MED,IITG (QIP under AICTE)	1 week	6/12/10	10/12/10
8	Recent Advancement of Intelligent Materials and Its Applications	MED,IITG (QIP under AICTE)	1 week	14/12/10	18/12/10
9	Introduction to Numerical, Computational and Experimental Mechanics (INCEM 2014)	MED,AEC (STC under AICTE - NEQIP scheme)	1 week	9/12/14	13/12/14
10	Advanced Machining and Finishing Processes	CET & MED,IITG (STC under MHRD - TEQIP scheme)	2 days	15/12/14	16/12/14
11	Advances in Welding and Joining Technologies	KIC & MED,IITG (STC under MHRD - TEQIP scheme)	3 days	29/12/14	31/12/14
12	Recent Trends in Power Engineering and Management	EED,AEC (STC under AICTE-NEQIP scheme)	1 week	19/01/15	23/01/15
13	Environmental Impact Assessment: A Tool for Sustainable Development	CED,AEC (STC under AICTE-NEQIP scheme)	1 week	9/02/15	13/02/15
14	Environmental Studies	DBCET ISTE sponsored STTP under, ICT(MHRD)	2 weeks	2/06/15	12/06/15
15	Teaching of Theory of Machines	NITTTR, Kolkata	1 week	28/12/15	1/01/16
16	Advances in Renewable Energy and its Applications	EED,AEC (STC under AICTE-NEQIP scheme)	1 week	07/03/16	11/03/16
17	Advance Materials for Engineering Applications	CED,AEC (STC under AICTE-NEQIP scheme)	1 week	25/04/16	29/04/16
18	Recent Trends in Energy Sector (with special emphasis on North-East)	Induction/Refresher Programme by GSF Group of Institutions, Ghy. (AICTE-ISTE sponsored)	1 week	18/06/18	23/06/18

19	Faculty Induction Workshop	Continuing Education Cell, IITK Sponsored by TEQIP III	1 week	03/07/18	07/07/18
20	Recent Advances in Materials, Energy and Environmental Engineering	IITG STC under TEQIP sponsored by MHRD	1 week	16/07/18	20/07/18
21	Recent Advancement in Welding and Allied Processes ( <i>organized &amp; participated</i> )	FDP jointly organised by MED & IPE deptt, AEC and PSG college of Technology, Coimbatore sponsored by TEQIP III	2 weeks	13/08/18	24/08/18
22	ANSYS Structural & ANSYS Fluent	FDP organised by ASTU, Ghy sponsored by TEQIP III	1 week	10/09/18	14/09/18
23	Signal Acquisition, Processing and Analysis	Industry-Institution Training Program organised by ASTU, Ghy in collaboration with Tektronix, India sponsored by TEQIP III	1 day	26/10/18	
24	Energy Efficient and Green Energy Technologies	CET, IITG STC under TEQIP sponsored by MHRD	1 week	26/11/18	30/11/18
25	Green Technology for Sustainable Development	FDP organised by Chemical Engg. Dept. AEC sponsored by TEQIP III	1 week	17/12/18	21/12/18
26	Recent Trends in Renewable Energy Utilization Technologies	CET, IITG STC under TEQIP sponsored by MHRD	1 week	08/05/19	12/05/19
27	Research Methodology and Pedagogy in Teaching Learning	FDP jointly organised by ASTU and Chemical Engg. Dept. AEC sponsored by TEQIP III	2 weeks	20/05/19	31/05/19
28	NPTEL Online Certification course in Noise Management and Control	IIT, Kanpur with SWAYAM under TEQIP III	12 weeks (equivalent to 1.5 FDP)	Jul, 2019)	Oct, 2019
29	Advancements in Mechanical Engineering	FDP organized by ASTU in association with Mech. Engg. Dept., GIMT under TEQIP III	1 week	23/09/19	27/09/19
30	Industrial & Fire Safety Engineering	FDP organized by Civil Engg. Dept., AEC under TEQIP III	1 week	04/11/19	08/11/19

31	3D Printing	FDP organized by Mechanical and Industrial & Production Engg. Dept., AEC under TEQIP III	1 week	25/11/19	29/11/19
32	Quality and Quality Engineering	FDP organized by Mechanical and Industrial & Production Engg. Dept., AEC under TEQIP III	1 week	03/12/19	07/12/19
33	Psychology in Education	FDP organized by Electronics and Telecommunication Engineering Dept., AEC under TEQIP III	1 week	27/01/20	01/02/20
34	Project Management <i>(organized &amp; participated)</i>	FDP organized by Mechanical and Industrial & Production Engg. Dept., AEC under TEQIP III	1 week	03/02/20	07/02/20
35	Recent Trends In Green Energy Utilisation	FDP organized by Mechanical and Industrial & Production Engg. Dept., AEC under TEQIP III	1 week	10/02/20	14/02/20
36	Upstream & Downstream Petroleum Processing in NE region: Issues and Challenges	FDP organized by Chemical Engineering Dept., AEC under TEQIP III	1 week	17/02/20	21/02/20
37	Material Characterization and Tribology	STC jointly organized by ASTU and Mechanical Engg. Dept., AEC under TEQIP III	1 week	02/03/20	06/03/20
38	Green Building, Energy Efficiency and Energy Policy	Online STTP jointly organised by ASTU and Department of Electrical Engg. ,GIMT under TEQIP III	1 week	08/06/20	13/06/20
39	Sustainable Environment- An Engineering Perspective, 2020	Online FDP organized by Department of Civil Engg., AEC under TEQIP III	1 week	13/07/20	18/07/20
40	2D Materials & Devices	International Webinar Series organized by Centre of Excellence in Advanced Materials, NIT, Durgapur	2 days	15/07/20	16/07/20
41	Digital Transformation	National Webinar Organized by Department of Computer Engg., Mizoram University, Aizawl	1 day	21/07/20	

42	Futuristic Hard Disk Drive: Progress and Challenges from Media Development	National Webinar Organized by Department of Physics, Mizoram University, Aizawl	1 day	21/07/20	
43	Unexpected tough time in this pandemic time- will have to adapt to deal with it since it is what it is.	Webinar Organized by Department of Mizoram University, Aizawl	1 day	21/07/20	
44	Recent Research Trends in Tribology	Webinar Series organized by Department of Mechanical Engg., GIMT in association with ASTU under TEQIP III	5 days	03/07/20	07/07/20
45	Machine Learning for Engineering Applications	Webinar Series organized by Department of Mechanical Engg., GIMT in association with ASTU under TEQIP III	5 days	27/07/20	31/07/20
46	Research Initiatives and Current Developments in Renewable Energy Sources	Webinar Series organized by Department of Mechanical Engg., GIMT in association with ASTU under TEQIP III	5 days	09/08/20	13/08/20
47	Advanced Solar Collectors	STC conducted by Centre for Energy under TEQIP sponsored by MHRD in IITG	5 days	14/12/20	18/12/20
48	Combustion, Emission and Power Technology	STC conducted by Centre for Energy under TEQIP sponsored by MHRD in IITG	5 days	22/02/21	26/02/21
49	Recent Development in Biomass to Energy	STTP sponsored by AICTE and organized by Mechanical Engg. Dept., NIT, Arunachal Pradesh	5 days	01/03/21	05/03/21
50	Recent Advances in Management and Processing of Industrial and Domestic Use	AICTE Training and Learning (ATAL) Academy Online Elementary FDP at Siddaganga Institute of Technology	5 days	16/08/21	20/08/21
51	Energy Engineering	AICTE Training and Learning (ATAL) Academy Online Elementary FDP at Mizoram University	5 days	23/08/21	27/08/21
52	Renewable Energy for Industrial and Domestic Applications	AICTE Training and Learning (ATAL) Academy Online Elementary FDP at Jawaharlal Nehru Technological University Anantapur College of Engg., Pulivendula.	5 days	06/09/21	10/09/21

**Total Conference/Workshop/Seminar attended:**

<b>Sl. No.</b>	<b>Title</b>	<b>Organiser/Conductor</b>	<b>Duration</b>	<b>From</b>	<b>To</b>
1	Renewable Energy as a tool for Sustainable Development of Rural Areas of the North -East India	MED, Assam Engineering College	2 days	18/05/07	19/05/07
2	Preparation and Editing of Self Learning Materials	KKHSOU (Workshop in collaboration with DEC, New Delhi)	2 days	21/06/10	22/06/10
3	Negotiation Skills	AASC (Training course sponsored by DOPJ, Govt. Of India)	3 days	4/01/11	6/01/11
4	Use and Deployment of Web and Video Courses for Enriching Technical Education	CET & IITG (National Workshop under NPTEL sponsored by MHRD scheme)	2 days	4/11/11	5/11/11
5	National Workshop on the 'Use and Deployment of NPTEL Courses'	RGI under NPTEL sponsored by MHRD scheme	2 days	29/04/13	30/04/13
6	International Conference on Green Energy and Smart Materials through Science, Technology and Management (GESM' 14) <i>(both participation &amp; paper presentation)</i>	Jointly organised by GU and UNISA, South Africa in association with SECONE, Guwahati.	3 days	21/01/14	23/01/14
7	National Conference on Emerging Global Trends in Engineering and Technology (Egtet) <i>(both participation &amp; paper presentation)</i>	Don Bosco College of Engineering and Technology	2 days	7/03/14	8/03/14
8	Testing and Quality Control of Plastic Products	CIPET (FDP sponsored by AICTE)	2 weeks	10/03/14	21/03/14
9	5 <sup>th</sup> International & All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014) <i>(both participation &amp; paper presentation)</i>	MED, IITG	3 days	12/12/14	14/12/14
10	Green Energy-Prospects and Challenges	National Seminar organised by ASTU	2 days	26/04/16	27/04/16
11	National Seminar on Recent Trends in Mechanical Engineering <i>(both participation &amp; paper presentation)</i>	Mechanical Engineering Division Board, IEI	2 days	21/10/16	22/10/16
12	Workshop on Cross-cultural Analysis and Capacity Building In Construction Management Practices On Housing And Infrastructure Sectors In Assam And Australia	Jointly organised by University of Melbourne, Australia & Assam Engineering College, India	4 days	13/12/16	16/12/16
13	International Conference TECHNOVA-2016 <i>(both participation &amp; paper presentation)</i>	Jointly organised by G.U.(Assam) and Krishi Sanskriti, New Delhi	2 days	22/12/16	23/12/16

14	7 <sup>th</sup> International Conference (ICMPC-2017) <i>(both participation &amp; paper presentation)</i>	Jointly organised by Deptt of Mechanical Engg. ,GRIET with MANIT, Bhopal (M.P)	3 days	17/03/17	19/03/17
15	Sustainable Solid Waste Management Practices	Workshop under FDP conducted by AEC sponsored by AICTE under NEQIP	2 days	31/08/17	01/09/17
16	National Conference (NCEHTC-2017)	Jointly organised by Chemical Engg. Deptt and Mechanical Engg. Deptt., AEC, sponsored by AICTE under NEQIP	2 days	17/11/17	18/11/17
17	National Seminar on Wind Engineering-Prospects and Challenges <i>(both participation &amp; paper presentation)</i>	In association of ISWE organised by PCPS girls' Polytechnic, Ghy-21	2 days	08/02/18	09/02/18
18	One day Seminar on Environment, Air Pollution and Noise	AEC Sponsored by TEQIP III	1 day	23 <sup>rd</sup> Feb.,2018	
19	National Conference (NCRAS-2018) <i>(both participation &amp; paper presentation)</i>	ASTU, Ghy Sponsored by TEQIP III project of MHRD, New Delhi	3 days	15/03/18	17/03/18
20	International Conference on Recent Innovations & Developments in Mechanical Engineering (IC-RIDME 2018), NIT Meghalaya <i>(both participation &amp; paper presentation)</i>	Department of Mechanical Engineering, NIT Meghalaya	3 days	08/11/18	10/11/18
21	International Conference on Renewable and Alternate Energy (ICRAE-2018). <i>(both participation &amp; paper presentation)</i>	ASTU (Assam) ,India	3 days	04/12/18	06/12/18
22	6 <sup>th</sup> National Conference on Energy Efficient Mechanical Systems Design and Manufacturing (EMSDM-2019) <i>[both participation &amp; paper presentation (2 nos.)]</i>	PSG college of Technology, Coimbatore-641004	1 day	30/04/19	
23	National Conference (NCRAS-2019) <i>(both participation &amp; paper presentation)</i>	ASTU, Ghy Sponsored by TEQIP III project of MHRD, New Delhi	3 days	15/05/19	17/05/19
24	National Conference (NCRAS-2020) <i>[both participation &amp; paper presentation (4 nos.)]</i>	ASTU, Ghy Sponsored by TEQIP III project of MHRD, New Delhi	3 days	17/08/20	19/08/20

25	International Conference on Modeling, Simulation and Optimization (CoMSO2021) <i>(both participation &amp; paper presentation)</i>	NIT, Silchar (Assam)	3 days	16/12/21	18/12/21
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**FDP/Webinar/Workshop organized:**

<i>Sl. No.</i>	<i>Title</i>	<i>Role</i>	<i>Duration</i>	<i>From</i>	<i>To</i>
1	FDP on Recent Advancement in Welding and Allied Processes jointly organised by MED & IPE deptt, AEC and PSG college of Technology, Coimbatore sponsored by TEQIP III	<i>Coordinator</i>	2 weeks	13/08/18	24/08/18
2	FDP on Project Management organised by Mechanical and Industrial & Production Engg. Dept., AEC under TEQIP III	<i>Coordinator</i>	1 week	03/02/20	07/02/20
3	Webinar series on Emerging Technologies in Biofuel Production (ETBP-2020) organized by Dept. of Mechanical Engg., AEC in association with ASTU under CRS of TEQIP III	<i>Coordinator</i>	2 days	26/08/20	27/08/20
4	Online National Workshop on Municipal Solid Waste and Its Impact organized by ASTU under CRS of TEQIP III.	<i>Co-Coordinator</i>	2 days	03/09/20	04/09/20

**Other Duties & Responsibilities:**

<i>Sl. No.</i>	<i>Duties &amp; Responsibilities</i>	<i>From</i>	<i>To</i>
1	Hostel Superintendent of Hostel No:6, AEC	01/09/12	Till date
2	Member of Anti Ragging Committee, AEC	01/09/12	-do-
3	ANO/CTO (i/c) of NCC, AEC	June, 2018	March, 2021
4	Member of Campus Sustainability Committee, AEC	31/07/19	-do-
5	Prof. in-charge of JAM CLUB of AEC	2015	-do-

*Date: 10/01/2022*

*Prasanta Kr. Choudhury*

