

# BANKURA UNNAYANI INSTITUTE OF ENGINEERING

*Bring the change...  
Dare to dream*

Prospectus 2020-21



Government Supported Engineering College  
Selected for TEQIP-II  
(A World Bank Project by MHRD, GoI)

Approved by AICTE, MHRD (GoI) &  
Department of Higher Education (GoWB)  
Affiliated to MAKAUT, WB

Subhankarnagar  
Bankura 722 146, West Bengal, India  
Toll Free No. 1800 313 000 222

[www.buie.ac.in](http://www.buie.ac.in)

## Mission

- The academic activities of the Institute have been endeavoring to develop analytical and integrative skills of the students with cultural sensitivities and ethical responsibilities.
- To set up, construct, establish, run, maintain and manage all types of activities of the Institute to harness the power of technical education with an objective towards socio-economic and technological development of the district and its society.
- To empower the students with high standard of perseverance, dedication, quality and ethical value of life.

## Vision

- To harness talent, knowledge and addressing developmental concern of India and thereby promoting Socio-economic growth.
- To provide institute for teaching and instruction of high standard leading to Bachelor, Postgraduate, Masters, Doctoral and Postdoctoral degrees in engineering science and technology and also in such other branches of learning as it deem fit.
- To prepare the future citizen of the country, competent enough to contribute significantly for betterment of the society.

## Goal

- As an academic Institution its immense knowledge based activities with objectives to ensure the leverage of professional skills of technologist, to foster the endeavor of development through industrialization with a futuristic outlook to excel solution provider of technology usage, for every individual of the society.





# Chairman's Message



BUIE was established in the year 1998. It is a Government supported Degree Engineering College. BUIE is proud recipient of TEQIP II, a World Bank grant to upgrade Technical Institutions for their unique activities.

*"We are what we repeatedly do. Excellence then is not an act but a habit"*

*- Aristotle.*

We convey our thanks and welcome you for choosing BUIE for your future carrier path.

As the Secretary of Bankura Unnayani as well as the Chairman of Bankura Unnayani Institute of Engineering, it is both an honour and privilege for me to serve for this glorious institution, which was established in 1998 by a group of devoted social workers and educationist of Bankura.

BUIE has an excellent tradition for overall personality development of students through value based education.

In the globalisation era of higher education, ranking issues are significant factors for growth of an institute. We are proud of our high standard in teaching-learning process by qualified, dedicated, permanent faculties with modern laboratories. We are not only recipient of Centre of Excellence Award of ABP Ananda, but also recipient of TEQIP-II (Technical Education Quality Improvement Programme), a very prestigious World Bank project by MHRD of Govt. of India.

We have taken all out efforts for skill development of our students and grooming them to become *industry-ready*.

We always welcome your valuable comments and suggestions to enable marching towards excellence further.

It will be great pleasure to meet you at our campus.

Sasanka Dutta



# Principal's Message



BUIE has immense potential within its highly qualified pro-active faculty members providing quality education with the sole aim to transform students into a qualified technologist and a leader in implementing technological advancement.



Proud Recipient of  
ABP News National Education Award-2015  
as outstanding Engineering Institute- East



Dear Students,

Thank you for choosing Bankura Unnayani Institute of Engineering for your journey to become a successful graduate engineer. We are one of the oldest engineering institutes affiliated to MAKAUT. We are presently powered by the Technical Education Quality Improvement Program (TEQIP) Phase II, a MHRD approved World Bank Project.

We, at this institute, are committed to make your process of learning and development a pleasing experience. BUIE has immense potential within its highly qualified pro-active faculty members providing quality education with the sole aim to transform students into a qualified technologist and a leader in implementing technological advancement. With our outstanding facilities and strong student focus, we are rapidly becoming one of the most desirable institutes of the state of West Bengal. Our vision is to become a world class Engineering Institute and everything we do is directed towards that goal.

The Institute has grown significantly during the last 22 years and now has a diverse range of engineering disciplines that include graduate courses Civil, Mechanical, Electrical, Computer science and engineering, Electronics and communication engineering, Electronics and instrumentation engineering and Information technology. We also offer postgraduate courses in Computer science and engineering and Electronics and communication engineering. Significant investment through TEQIP in new facilities is making us best suited to successfully meet the ever-changing requirements of industry – nationally and internationally. We care that our students develop the skills in their field along with expertise in professional practices, viz. problem solving, communications, research techniques, management and IT proficiency.

BUIE has a lush green campus, just outside the District town of Bankura, a district with a rich cultural and traditional heritage. The campus hosts thousands of migratory birds every year. We also have a separate hostel campus for boys and girls, along with staff quarters.

BUIE is a great place for Engineering students to study. We look forward to welcoming you here.

Prof. (Dr.) Krishnendu Adhvaryu





## Board of Governors

1. Mr. Sasanka Dutta, Chairman  
Ex-personnel, Banking Industry
2. Director, Technical Education  
Govt. of W.B., 10th Floor, Bikash Bhavan  
Kolkata – 700 091
3. Dr. Siddhartha Bandyopadhyay  
Former Professor & Head  
Govt. College of Engg. & Textile Technology,  
Berhampore, West Bengal
4. Regional Officer, Eastern Region  
AICTE, College of Leather Technology Campus,  
LB Block, Sector III, Salt Lake, Kolkata – 700 098
5. Prof. H. S. Maiti, Ex-Professor, CGCRI  
University Nominee
6. Prof. (Dr.) Krishnendu Adhvaryu  
Principal, BUIE
7. Prof.(Dr.) H. P. Satpathi - Former Professor, NIT Durgapur
8. Mr. Gunamoy Kundu, Ex-Chief General Manager, ONGC, Ahmedabad
9. Mr. Aswini Mondal, Chief General Manager (Utilities), Bhilai Steel Plant
10. Prof. Alope Roy, Associate Professor (CSE)
11. Mr. Ramananda Mukherjee, Registrar

## Tribute



Prof. P. B. Duttagupta, Ex-Professor, IIT-Kharagpur, was a man of letters, an eminent scholar, and a mentor who had been a prominent personality in the Board of Governors of BUIE since its inception.

BUIE family deeply mourns the great loss of a grave personality as Prof. Duttagupta.

## Administration

Prof. (Dr.) Krishnendu Adhvaryu

Principal

Ramananda Mukherjee

Registrar

Prof. Alope Roy

Dean (Academics)

Bibekananda Goswami

Librarian

Manas Bhattacharyay

Head, Finance Dept.



*The success of the past renders confidence for the future*

It is the time to embrace your future and shape your dreams to which BUIE is the ultimate answer. With our 7 Under-Graduate (Engineering), 2 Post-Graduate (Engineering) and 5 new job oriented Under-Graduate Degree courses to choose from, state-of-the-art infrastructural facilities along with world class and erudite academicians, we empower you to fulfill your dreams. BUIE offers an atmosphere that is conducive for learning and development for those seeking both personal and professional growth. At BUIE, we value every student and give priority to their needs and expectations.

BUIE strongly emphasizes on classroom teaching by the eminent faculties. We have a team of experienced and committed faculty members drawn from the best in academics and industry. Moreover, they regularly upgrade themselves by attending faculty development programs and the seminars. BUIE acts as one of the Remote Centres of IIT Bombay in National Mission on Education through ICT (NME-ICT) for empowerment of students and teachers through synchronous and asynchronous instructions.

Nothing prepares you better for your future other than bridging the gulf between classroom studies and practical industrial experience. BUIE encourages Industry-Institute interaction to accelerate learning experience and pave the way for a successful career. Industrial visits arranged by the institute provide the students firsthand experience of the Corporate and Industrial requirements. Even Vocational Training and Summer School and Winter School are also arranged for the students.

BUIE is best at emulating academic environment and research, utmost utilization of available resources, fine tune communication skills and personality development, inducing ethical values in all associated with the organization, build up confidence and promote overall development of the young learners to face

the challenges of the professional world. Students are provided with online live interactive classes by the faculties of IIT Chennai (QEEE).

At BUIE, we take utmost care of sports and cultural activities. Moreover, Bankura is a place of art and culture and has rich natural beauty with an urban and rural blend. Hence an array of cultural and entertainment opportunities beckon to be explored. BUIE is the cradle where we nurture young talents and encourage inquisitiveness and innovativeness among them. Our goal is to harness the vast potential of students.





## The Campus

The campus is endowed with vibrant greenery and spreads over an area of 42 acres. About 2400 trees have been planted for the beautification of the campus. Our nature friendly campus is pollution free, peaceful and a host of varied migratory birds during winters. The serene ambiance motivates students to intellectual pursuits. Away from the claustrophobic atmosphere of the city, the campus provides immense built up space with the state-of-the-art infrastructural facilities to cater the needs of the budding technocrats.



- Well equipped, well ventilated and highly spacious projector installed digital audio- video Smart Classrooms.
- Department Specific state of art Labs, separate building for Mechanical, Civil and Electrical Engineering Departments, spacious Drawing Hall.
- Well stocked Library along with a vivacious Reading Hall.
- The Institute has Air-conditioned Seminar Hall, Training and Placement Cell along with well-furnished Conference Rooms, Modern Language Lab.
- Computer Centre, Campus Wi-Fi with 48Mbps connectivity.
- Microsoft Campus License.
- Common Room with indoor games and gym facilities.
- Nationalized Banking with ATM facility, Health Care, Canteen, Administrative Office etc. to meet the requirements of the future engineers.
- The Institute has installed CCTV Cameras for the safety of staffs, students and visitors and the protection of property and buildings.
- The Institute is sanitized on a regular basis.





## Library

Our institute has state of the art library with a total number of 4515 Titles, 42235 Books, Reading room facility, E-journals of IEEE, ASME, Scindirect, Springer.

We have installed photocopier machine at the library complex for the use of the students. Books are distributed and managed using Library management software.

Each department has also its individual well equipped departmental library with plenty of books available to the faculties as well as the departmental students.

Students need not require to purchase any book.

## Computer Centre

The Institute Computer Centre is a central facility for the use of the students as well as faculty and staff members of any discipline of the institute for computational purposes. It is situated in a central place, on the first floor of the Central Library, for the ease of access to anyone interested to use it. The computers in the Centre are connected to the Campus wide Network, and with 24X7 internet facility. The centre also caters requirement of all online examinations and aptitude test practice sessions.



## NPTEL – A Project of MHRD, Govt. of India

National Programme on Technology Enhanced Learning (NPTEL) is a project of MHRD initiated by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore in 2003, to provide quality education to anyone interested in learning from the IITs. The main goal was to create web and video courses in all major branches of engineering and physical sciences at the undergraduate and postgraduate levels and management courses at the postgraduate level.



**BUIE is partnering with NPTEL and is an established local chapter since July, 2016. Our institution is nominated as the Single Point of Contact (SPOC) and a dedicated SWAYAM NPTEL Local Chapter.**



## Laboratories and Technical Assistants

Bankura Unnayani Institute of Engineering has participated in TEQIP II under Sub-component 1.1 intending to strengthen institutions to produce skilled manpower of the highest quality comparable to the very best in the country.

Our state-of-the-art laboratories are thus strongly equipped to cope up with the curriculum and help students to understand and practically experiment with modern well-calibrated instruments. This helps them to develop a researcher's mind and attain industry-specific knowledge.

Our well qualified and experienced Technical Assistants undergo various training programmes and workshops and are always assisting our students regarding the practical understanding of laboratory experiments to link them with their study.



### Virtual Lab

BUIE facilitates its students to perform experiments themselves beyond the college hours and holidays using the Virtual lab. It had collaborated with IIT Kharagpur in 2017 to make use of their Virtual Labs and had been nominated as a Virtual Lab Nodal Centre by MHRD, GoI. Regular workshops on virtual labs for different disciplines are being organized at BUIE.

Prof. Alok Kanti Dev, IIT Kharagpur, trained our faculties, technical staff members and students on the virtual labs for different disciplines and his team shares the idea on the R&D they are doing continuously to improve the Virtual Labs. Our students involve themselves in this activity, where one of our ex-student already contributed his work in this noble project.







## Hostel Facilities

The hostel campus is well-designed and covers an area of 21 acres. Separate hostels for boys and girls, along with staff quarters, are located in the vicinity of the BUIE campus, and available for the students on 'first come first serve' basis.

Staying in hostels, the students get a homely environment.

Safety and security measures are very strong in all the 4 hostels for boys and girls with the 24x7 CCTV surveillance system. Full time wardens are there for Girls' and Boys' hostels.

Medical facilities are available along with car facility round the clock in case of emergency. Greater impetus is laid towards maintaining hygienic conditions and healthy meals to resident students.

All hostel rooms are connected to the internet facility.

A Guest House is also arranged for the accommodation of the guardians and ex-students. Residential quarters for the faculty members and non-teaching staffs are also situated within the hostel campus.





# Faculty Profile

## Computer Science & Engineering and Information Technology, B.Sc. in AI and Data Science, BCA

### Prof. Alope Roy, HOD

B.E, MBA, M.Tech. | Working Since: 1999

Recent Journal & Conference Publications:

- Histogram to Sound Conversion: A Review - Volume 2. No. 3, September 2014 - Lecture Notes on Information Theory (LNIT) at ICFIT Conference, Bangkok.

### Prof. Asim Kumar Mahadani

B.E, M. Tech.

Ph.D. (Pursuing) | Working Since: 2004

Recent Journal & Conference Publications:

- "Insertion - Deletion as informative characters in DNA barcoding." International Journal of Multimedia and Ubiquitous Engineering Vol.10(10) pp.67-74.(Scopus Indexed).
- "Modified evolutionary model with insertion and deletion (Indel) for phylogenetic tree construction", Int. J. Data Mining and Bioinformatics, Vol. 21, No.1, pp.43-69. (Inderscience, SCI Indexed).

### Prof. Tapas Sangiri

B.Tech, M.E. | Working Since: 2007

Recent Journal & Conference Publications:

- Environmental sound classification.
- Vedic swara recognition.

### Prof. Asima Mandal (Kar)

M.Sc, M.Phil, M.Tech.

Working Since: 2007

### Prof. Samir Banerjee

B.Tech., M.Tech. | Working Since: 2009

### Prof. Subhajit Roy

B.Tech., M.Tech.

Ph.D. (Pursuing) | Working Since: 2008

Recent Journal & Conference Publications:

- Video Steganography Using Karhunen-Loève Transform. In Proceedings of the 2nd International Conference on Digital Signal Processing (pp. 142-146). ACM.
- Image Steganography Using Mid Position Value Technique. Procedia computer science, 132, pp.461-468.

### Dr. Tapas Si

B.Tech., M.Tech., Ph.D.

Working Since: 2007

Recent Journal & Conference Publications:

- Partial Opposition-Based Particle Swarm Optimizer in Artificial Neural Network Training for Medical Data Classification, International Journal of Information Technology and Decision Making, Vol. 18, No. 5, 1717-1750 (2019).
- The Augmented Approach towards Equilibrated Nexus Era into the Wireless Rechargeable Sensor Network, Symmetry.

Awards:

- Who's Who in the World® 2016, 33rd Edition, VIP No. 36999318, Marquis Who's Who.

- Who's Who in the World® 2020, Marquis Who's Who.
- 2017 Albert Nelson Marquis Lifetime Achievement Award, Marquis Who's Who.
- Bharat Vidya Shiromani Award 2017, International Institute of Education & Management, Delhi

### Prof. Milton Samaddar

B.E, M.Tech., Ph.D.(Pursuing)

Working Since: 2007

Recent Journal & Conference Publications:

- Reducing Handover Failure Probability by Repetitive Scanning Process, International Conference on Communication, Information & Computing Technology (ICCICT), Mumbai.
- A Fast Scanning Technique for Mobility Management by Optimized Angular Segmentation Method, International Conference on Communication, Information & Computing Technology (ICCICT), Mumbai.

### Prof. Subrata Pan

B.E, M.Tech., Ph.D.(Pursuing)

Working Since: 2005

Recent Journal & Conference Publications:

- An Automatic Identification of Function Words in TDIL Tagged Bengali Corpus, International Journal of Computer Sciences and Engineering, Vol.07, Issue.01, pp.20-27, 2019.

### Prof. Subhashis Misra

B.E, M.Tech. | Working Since: 2020

Recent Journal & Conference Publications:

- Semi-supervised fuzzy K-NN for cancer classification from microarray gene expression data, 2014 First International Conference on Automation, Control, Energy and Systems (ACES).

### Prof. Priyaranjan Mishra

B.Tech, M.E. | Working Since: 2008

Recent Journal & Conference Publications:

- Image Segmentation using Clustering with Fireworks Algorithm.

### Prof. Satya Gopal Chanda

B.Tech., M.E. | Working Since: 2010

### Prof. Subhabrata Rakshit

B.Tech, M.Tech. | Working Since: 2009

### Prof. Subhasish Banerjee

B.E, M.Tech. | Working Since: 2005

- Well experienced and qualified faculty members.
- Our faculties have attended the Pedagogy Training organized by IIT Kharagpur, which helps to create a very good faculty-student relationship.
- More than 280 Subject Knowledge Improvement programmes, organized by the premier institutes like IITs, NITs, and others are attended by our faculty members which equip them to be experts in their domain of teaching learning process.
- Some of our faculty members attended the management trainings organized by NPIU at IIM Lucknow and IIM Raipur.
- Our faculties undergo regular Faculty Development Programmes from varied leading organizations.
- One of the key features of our faculties is participation, presentation and publication of papers in varied National and International Conferences, Journals, Seminars, Webinars and Workshops.

# Electronics & Communication Engineering

## Prof. Mrinmoy Sarkar, HOD

B.E., M.Tech., Ph.D. (Pursuing) | Working Since: 2001

### Recent Journal & Conference Publications:

- PAPR Reduction and Encryption Based on Hybrid Optimized PTS and Chaotic DFT Sequences in OFDM system.
  - Performance Measure of GBN-ARQ protocol in a Fading Network using Error Correction Code.
- An OTP Integrated optimal key RSA Based Secure Data Communication

## Dr. Karunamoy Chatterjee

B.E., M.Tech., Ph.D. | Working Since: 2009

### Recent Journal & Conference Publications:

- Temperature Measurement of Coal Pipe of Coal Mills by a Modified Bridge Circuit.
- High accuracy displacement measuring system using strain gauge-based displacement sensor and direct sequence spread spectrum techniques in the data acquisition system.

### R&D Project Grand:

- R&D grand in-aid research project completed on (2019-20) which has been funded by IEI INDIA, A scientific and industrial Research Organisation (SIRO) Recognised by Govt. Of India, Ministry of Science and Technology.

## Prof. Animesh Saha

B.Tech, M.Tech. | Working Since: 2006

### Recent Journal & Conference Publications:

- Cooperative spectrum sharing with multi-antenna based adaptive hybrid relay, (2017).
- Cooperative Spectrum Sharing with Multi-Antenna based Adaptive Hybrid Relay in Presence of Multiple Primary Users (2017).

## Prof. Amit Mukhopadhyay

B.Tech, M.Tech.

Ph.D. (Pursuing) | Working Since: 2009

### Recent Journal & Conference Publications:

- Outdoor Propagation Modelling of a Wlan (using Wi-fi 802.11b) In Microcell- A Case Study'- International Conference on Communication, Computers and Devices (ICCCD), Kharagpur, India, December 10-12.
- A Simple Design Approach In Yaw Plane For Two Loop Lateral Autopilots,- IJIRSET, vol. 2 (1), 2013, pp. 270-77.

## Prof. Subhasish Das

B.E., M.Tech. | Working Since: 2008

## Prof. Dwip N. Mukherjee

B.Tech, M.Tech, Ph.D. (Pursuing) | Working Since: 2011

### Recent Journal & Conference Publications:

- Performance evaluation of digital comparator using different logic styles, IETE Journal of Research 64 (3), 2018, PP. 422-429.
- A Novel Design of 12-bit Digital Comparator Using Multiplexer for High-Speed Application in 32-nm CMOS Technology, IETE Journal of Research, 2019, 1-8.

## Prof. Mirza Md. Habib

B.Tech., M.Tech. | Working Since: 2012

### Recent Journal & Conference Publications:

- 'Indian Antenna Week' on "Optimize Non-Uniformly exciting Time Modulated Linear Array with Low Dynamic Range Ratio".

## Prof. Tanushree Patra

B.E., M.Tech. | Working Since: 2008

## Prof. Mahua Mallick

B.Tech, M.Tech. | Working Since: 2009

## Prof. Sukanta Biswas

B.Tech, M.Tech. | Working Since: 2011

# Applied Electronics & Instrumentation Engineering

## Prof. Santanu Mallick, HOD

B.E., M.E., Ph.D.(Pursuing) | Working Since: 2003

### Recent Journal & Conference Publications:

- Design of Lyapunov based Model Reference Adaptive Controller for First Order Plus Delay Time Liquid Level System.
- Comparative Performance Study of Lyapunov Based MRAC Technique and MRAC Augmented with PID Controller for Speed Control of a DC motor

## Prof. J. P. Singha Thakur

B.E., M.E. | Working Since: 2007

### Recent Journal & Conference Publications:

- Study of Fading at 2.4 GHz WLAN in Tree and Foliage Environment, International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE)
- A Simple Design Approach in Yaw Plane for Two Loop Lateral Autopilots, International Journal of Innovative Research in Science, Engineering & Technology

## Prof. Amrelita Dasgupta

B.E., M.Tech. | Working Since: 2007

## Prof. Saptarshi Bhattacharjee

B.Tech, M.Tech. | Working Since: 2009

## Prof. Sanjib Kr. Kundu

B.E., M.Tech. | Working Since: 2009





# Electrical Engineering

## Prof. Somnath Ganguly, HOD

B.Tech, M.Tech., Ph.D. (Pursuing) | Working Since: 2009

*Recent Journal & Conference Publications:*

- Frequency stabilization of isolated and grid connected hybrid power system models. Journal of Energy Storage.
- Frequency Stabilization of Isolated Hybrid Power System by a Novel Quasi-Opportunistic Whale Optimization Algorithm. Iranian Journal of Science and Technology, Transactions of Electrical Engineering.

## Prof. Sayan Das

B.Tech, M.Tech., Ph.D. (Pursuing) | Working Since: 2009

*Paper Reviewer:*

- Technical Paper Reviewer and member in International Conference on Emerging Technologies in Data Mining and Information Security 2018 (IEMIS2018) held at University of Engineering & Management Kolkata, India.

*Book Reviewer:*

- Reviewer of the Book titled "Interview Preparation in Industrial Instrumentation & Process Control Technology", by Debyendu Chakraborty.

## Prof. Deepak Kumar Yadav

B.E, M.Tech. | Working Since: 2009

## Prof. Joyti Mudi

B.Tech, M.Tech., Ph.D. (Pursuing) | Working Since: 2010

*Recent Journal & Conference Publications:*

- Multi-verse optimization algorithm for LFC of power system with imposed nonlinearities using three-degree-of-freedom PID controller, Iranian Journal of Science and Technology.
- Comparative study among different wind turbines used for wind energy system. 2014 1st International Conference on Non-Conventional Energy (ICONCE 2014).

## Prof. Onkar N. Mandal

B.Tech, M.Tech. | Working Since: 2012

*Recent Journal & Conference Publications:*

- "Design of State feedback Controller for Inverted Pendulum and Fine Tune by GA" in 7th International Conference on Innovative Research in Engineering Science and Management (ICIRESM-16).
- "Arduino Based Home Automation using Android Application: Smart Home" in Journal of the Association of Engineers, India.

## Prof. Dinesh Paswan

B.Tech, M.Tech. | Working Since: 2010

# Mechanical Engineering

## Prof. Krishnendu Mandal, HOD

B.Tech., M.Tech., Ph.D. (Pursuing) | Working Since: 2009

*Patent Applied:*

Integrated Motorised Husking Pedal (Dhenki), Application No: 201731009857 dated 21-03-2017.

*Recent Journal & Conference Publications:*

- Machinability Study of AISI 1045 Steel Using Different Coated Carbide Insert, National Conference on Trends and Advances in Mechanical Engineering-2019.
- Hard Turning of AISI 4340 Steel Using Two Types of Carbide Inserts, International Conference on Advancements in Mechanical Engineering-2020.

*Award:*

- The Institution of Engineers (India), the Railway Board's 2nd Prize for the paper titled: An investigation on machinability during turning hardened steel in dry condition, Journal of The Institution of Engineers (India): Series C.

## Prof. Soumen Pal

B.Tech, M.Tech., Ph.D. (Pursuing) | Working Since: 2009

*Recent Journal & Conference Publications:*

- Performance Analysis of production line with Bernoulli's Machine, International journal of engineering & technology.
- A review on TBM machining Technology, Arabian Journal of Geosciences.

## Prof. Samit Kr. Mandal

B.E, M.E. | Working Since: 2009

## Prof. Prabir Mandal

B.Tech, M.E. | Working Since: 2016

## Prof. Ritesh Hazra

B.Tech, M.Tech. | Working Since: 2017

*Recent Journal & Conference Publications:*

- Influence of heat input on weld bead geometry using duplex stainless-steel wire electrode on low alloy steel specimens, Cogent Engineering Journal-2016.
- On the variation of hardness of duplex stainless steel-clad layer deposited by flux-cored arc welding, reason journal-2017

## Prof. Avijit Mukherjee

B.Tech., M.E. | Working Since: 2017

*Recent Journal & Conference Publications:*

- Study of mechanical properties, microstructures and corrosion behaviour of aluminium 7075 t651 alloy with varying strain rate, processing and characterizations of material conference.

## Prof. Sujan Roy

B.Tech., M.Tech. | Working Since: 2016

## Prof. Subhasish Chatterjee

B.Tech., M.Tech. | Working Since: 2020

*Recent Journal & Conference Publications:*

- An Investigation on Turning of Hardened Steel using Coated Carbide Insert, TAME 2019.

# Civil Engineering

## Prof. Samaresh Nandi, HOD

B.E, M.E. | Working Since: 2013

## Prof. Nabin Chandra Das

B.E, M.E. | Working Since: 2009

## Prof. Arpan Roy

B.Tech, M.Tech., PhD (Pursuing) | Working Since: 2014

## Prof. Chinmoy Mandal

B.Tech, M.Tech. | Working Since: 2017

## Prof. Santanu Gayen

B.Tech, M.Tech. | Working Since: 2016

*Recent Journal & Conference Publications:*

- "Hydrological Modeling for Assessment of Future Run Off Potential of Upper Dwarakeswar Watershed Amid Changed Climate Scenario." Journal of Civil Engineering and Environmental Technology. Volume-6, Issue-5, July-September, 2019.
- "A Review on Integrated Water Resources Management for Solving Water Related Issues", Journal of Civil Engineering and Environmental Technology. Volume-6, Issue-5, July-September, 2019

## Prof. Rohan Bisai

B.E, M.Tech., Ph.D. (Pursuing) | Working Since: 2020

*Recent Journal & Conference Publications:*

- Effect of cryogenic pre-treatment on breakage characteristics of rocks, Journal of Mining Science, Vol 54, issue 2: pp 202-211.
- Influence of individual and combined pre-treatment on the strength properties of granite and sandstone, Arabian Journal of Geosciences, Vol 13, issue 7: pp 1-10
- Journal Review – 3. • Editor – 2. • Sponsored Projects – 2.

## Prof. Puspendu Samanta

B.Tech, M.Tech. | Working Since: 2016

*Recent Journal & Conference Publications:*

- An Experimental Study on Carbon & Steel Hybrid Fibres Self Sensing Concrete Under Static Loading - Published on International Conference on Disaster Management & Civil Engineering (ICDMCE 2018).
- An Experimental Study on Carbon & Steel Hybrid Fibres Self-Sensing Concrete - Published on International Conference on Advanced Material Technologies (ICAMT)-2016.

## Prof. Suman Halder

B.Tech, M.Tech. | Working Since: 2018

*Recent Journal & Conference Publications:*

- Design Response Spectra and Site Coefficients for Various Seismic Site Classes of Guwahati, India, Based on Extensive Ground Response Analyses. Geotech GeolEng (2020).
- Approximation of Equivalent Linear Ground Response Analysis by Strain Dependent Linear Ground Response Analysis for Delhi, India. Geotechnical Earthquake Engineering and Soil Dynamics V conference, 10th -13th June, 2018, Texas, U.S.A.

## Prof. Asim Goswami

B.Tech, M.Tech. | Working Since: 2020

*Recent Journal & Conference Publications:*

- "Ultimate Capacity of Vertical Pile Subjected to Combination of Vertical and Lateral Load" International Journal of Emerging Technology and Advanced Engineering (IJETA), recommended by UGC, vol. 7, issue 10, Oct 2017.
- "Prediction of Ultimate Bearing Capacity of Vertical Pile Under Inclined Compressive Loading Condition" Paper Accepted for Presentation in NOIEAS-2019 conducted by NIT Warrangal and will be published in SCOPUS/SCI indexed journals.

# Mathematics

## Dr. Pratiba Ranjan De, HOD

M. Sc, B. Ed, PhD. | Working Since: 2000

*Recent Journal & Conference Publications:*

- "Heat transfer characteristics for Maxwell fluid flow past an unsteady stretching permeable surface embedded in porous medium with thermal radiation"; Journal of Applied Mechanics and Technical Physics (Springer).
- "Casson fluid flow over an unsteady stretching surface"; Ain Shams Engineering Journal, (Elsevier).

## Dr. Suman Maity

M.Sc., Ph.D. | Working Since: 2006

## Prof. Sandip Kumar Mandal

M.Sc. | Working Since: 2012

## Prof. Chandrani Dutta

M.Sc. | Working Since: 2012





## Chemistry

### Prof. Bishnupada Roy

M.Sc., Ph.D. (Pursuing) | Working Since: 2009

Recent Journal & Conference Publications:

- Chitosan Gold Nanoparticles Trigger Apoptosis in Human Breast Cancer Cells in Vitro, 2020, The Nucleus, Springer.
- Polymer Anchored Gold Nanoparticles: Synthesis, Characterization and Antimicrobial Activities, 2020, Nanoscience and Nanotechnology-Asia.

Award

- Best Oral Presentation Award in "The International Conference on Nano Science & Engineering Applications-2014 (ICONSEA), Jawaharlal Nehru Technological University, Hyderabad.

### Prof. Ananya Patra

M.Sc. | Working Since: 2020



Prof. Saikat Maitra, Hon'ble Vice Chancellor of MAKAUT, WB alongwith Dr. Umasankar S (IAS), Dist Magistrate, Bankura inaugurating Bankura Campus of MAKAUT at BUIE, Vidyasagar Bhavan on 19th September, 2019

## Physics

### Prof. Bikram Sinha, HOD

M. Sc.

Working Since: 2006

### Prof. Samarjit Pal

M.Sc.

Working Since: 2006

## B.M.L.T. & Biology

### Dr. Manoj Chowdhury

MD, Chief Advisor

### Prof. Priyanka Das

M.Sc.

Working Since: 2020

## BBA & Humanities

### Prof. Goutam Sinha, HOD

B. Ed., M. Com, MBA, Ph.D. (Pursuing)

Working Since: 2001

### Prof. Alope Roy

B.E., MBA, M.Tech.

Working Since: 1999

### Prof. Surekha Chattopadhyay

M.Phil, M.A (Eng), M.A(ELT), B. Ed.

Working Since: 2008



# Eminent speakers in our campus

BUIE believes in life-learning process under the shade of skilled and experienced persons. Renowned personalities from India and abroad with their perspicacity in the industrial and technical domain are invited to the institution to enrich the knowledge of the students and faculty members.

## Lectures by Academics

- Prof. Kalyanmoy Deb, Michigan State, University, USA
- Prof. HisaoIshibuchi, Osaka Prefecture University, Japan
- Prof. Ankur Sinha, Aalto Univ. School of Business, Finland
- Prof. S. S. Rao, University of Miami, USA
- Prof. Helio Barbosa, NLSC, Brazil
- Prof. ParthaChakroborty, IIT Kanpur, India
- Prof. D. K. Pratihar, IIT Kharagpur, India
- Prof. V. Ravi, IDRBT Hyderabad
- Prof. V. K. Tripathi, College of, Engineering, Pune, India
- Prof. B. V. Babu, DITU, Dehradun, India
- Prof. B. K. Panigrahi, IIT Delhi, India
- Prof. Tarasankar Pal, IIT Kharagpur
- Prof. PanchananPramanik, IIT Kharagpur
- Prof. Ajit Kulkarni, IIT Bombay
- Prof. Gour Prasad Das, IACS, Kolkata
- Prof. P. P. Chattopadhyay, IEST Shibpur
- Prof. Rajib Bandyopadhyay, Jadavpur University, Jadavpur
- Prof. Pranesh Chowdhury, Visva-Bharati
- Prof. K. K. Chattopadhyay, Jadavpur Univ.
- Prof. Anjan K. Dasgupta, Calcutta University
- Prof. Pathik Kumbhakar, NIT Durgapur
- Prof. Alokmay Dutta, SINP, Kolkata
- Prof. Amit K. Chakraborty, NIT Durgapur
- Prof. N. N. Ghosh, BITS Pilani

## Lectures by Academics

- Prof. A. M. Kumar, CNST, Chennai
- Prof. Nandini Das, CGCRI, Kolkata
- Prof. Mallar Ray, IEST Shibpur
- Prof. Debasish Dhak, S.K.B University, Purulia
- Prof. R. R. Kannan, CNST, Chennai
- Prof. S. Bhunia, SINP, Kolkata
- Prof. Swachchha Majumdar, CGCRI, Kolkata
- Prof. Manas Kumar Bera, NIT,Silchar
- Dr. S. Majumder, CSIR-CMERI, Durgapur
- Dr. Bijan Kumar Mandal
- Dr. Chittatosh Bhattacharya
- Dr. Santanu Kumar Karmakar
- Prof. Sujoy K Basu, Former Director, School of Energy Studies, Jadavpur Univ, India
- Prof. Sudipta De, Jadavpur University, Kolkata, India
- Prof. Pratik Dutta, Bengal Engineering and Science University, Shibpur, India
- Dr. Shibendu Shekhar Roy
- Prof. P. N. Suganthan, NTU, Singapore
- Prof. Valentina E. Balas, UAVA, Romania
- P. Abdul Salam, Asian Institute of Technology, Bangkok, Thailand
- Prof. Biswajit Mohanty, IIT kharagpur
- Prof. Alok Kanti Deb, IIT kharagpur
- Prof. SubhasisBhaumik, IEST,Shibpur
- Prof. Prasun Das, ISI Kolkata
- Prof. urbadal Mandal, NIT Durgapur
- Dr. A. K. Nandi, CMERI Durgapur



## Lectures by Academics

- Dr. Subhas Ganguly NIT Raipur
- Dr. V. P. Dutta, DEAL, Dehradun
- Dr. Arya Bhattacharya, Tata Steel, Jamshedpur
- Dr. U. Chandrasekhar, GTRE, Bangalore
- Prof. G.C. Nandi, IIT, Allahabad
- Prof. S. K. Saha, IIT, Delhi
- Prof. Shubhendu Bhasin, IIT, Delhi
- Prof. Swapna Banerjee, IIT, Kharagpur
- Prof. Dilip Kumar Pratihar, IIT, Kharagpur
- Prof. Rajib Bandyopadhyay, JU, Kolkata
- Prof. Sumit Kundu, NIT, Durgapur
- Prof. S. Bhaumik, BESU, Shibpur
- Prof. Swapna Banerjee (IIT Kharagpur)
- Prof. Amlan Chakrabarti (Calcutta University)
- Prof. Indrajit Chakrabarti (IIT Kharagpur)
- Prof. Ashsis Kumar Mal (NIT DGP)
- Prof. Abhijit Chandra, Jadavpur University, Jadavpur
- Dr. Pranab Roy (IEST, Shibpur)
- Dr. Chandan Giri (IEST, Shibpur)
- Dr. Indranil Hatai (IEST, Shibpur)
- Dr. Robin Kumar Biswas
- Dr. Dip N Ray, CSIR-CMERI, Durgapur
- Prof. Kamal Nassir
- Dr. S. N. Mahato
- Dr. Arup Nandi
- Prof. Atish Banerjee
- Dr. Sujay Kumar Mukherjee
- Dr. Sujit Karmakar
- Dr. S. P. Kallurkar
- Dr. Santanu Das
- Dr. Karali Patra

## Expert Lectures by Industry Personnel

- Asok Motayed, NexGen Systems, Maryland, USA
- Mr. R. A. Goswami, SE, Power Grid Corporation
- S. P. Gon Chowdhury, Renewable Energy Advisor of Govt of Orissa and Tripura
- Mr. Gunamoy Kundu, Ex Chief General Manager, ONGC (Ahmadabad)
- T. Ghosh, SDE, BSNL, Kalyani
- Subhabrata Bagchi, SDE, BSNL, Kalyani
- R. N. Pal, SDE, BSNL, Kolkata
- Debjyoti Majumder, System Analyst, ATOS
- Mr. Ayan Majumder, Automation Lead, IBM India Pvt. Ltd.
- Mr. Atanu Banerjee, Team Lead, ERICSSON Global India
- Mr. Sumit Bhattacharya, Dy. Manager, Training, HCL Technologies Ltd.
- Mr. B. N. Dey, Head, Projects & Engineering, SMS Meer India Pvt. Ltd.
- Md. Reyaz, STEP-IIT Kharagpur
- Archan Majumdar, CESC Ltd, Kolkata, India
- Asish Singha, Oil & Natural Gas Commission, Bokaro, India
- C. D. Goswami, MECON Ltd, Ranchi, India
- S. K. Singh, MECON Ltd, Ranchi, India
- R. A. Goswami, Smart Grid Professional
- Er. Vikrant Kumar, IOCL Haldia
- Er. Ashish Kr. Dey, Danieli India Ltd., Kolkata
- Er. Anirban Jyoti Ray, Schneider Electric System India Pvt. Ltd., Kolkata
- Er. Siddhartha Ghosh, Tata Power Company Limited, Haldia

# Conference, Workshops, Seminars Organized by our Institute

## Workshops

### International

- International Workshop on Optimization in Engineering with the Technical Partnership of Computer Society of India.
- International Workshop on Carbon Capture, Sequestration and Clean Coal Technology in association with NexGen Systems Corporation, USA.

### National

- National Conference on Mechatronics, Robotics and Automation in association with Institution of Engineers (India).
- National Workshop on Nano Science & Technology (NWNST- 2015).
- National Workshop on Digital VLSI Design (NWDVD).
- National Workshop on Genetic Algorithm: Concept & Application.
- National Workshop on Recent Advances in Civil Engineering (NWRACE-2016).
- National Workshop on Recent Trends In Electromechanical System (RTEMS).



## Short Term Training Courses

- Short Term Training on Data communication and its Applications.
- One Week Short Term Training on Internet of Things and Its Applications.

## Conferences

- National Conference on Mechatronics, Robotics and Automation (NCMRA2014). Internet of Things and Its Applications.

## Seminars

- 'The Role of Librarian's and the Readers Services in Digital Era' (RLRSD-2017).
- Emerging Trends in Science, Engineering & Technology (ETSET).
- National Seminar on Emerging Trends in Robotics in Industrial Automation. (NSETRIA 2016).



# Technical Education Quality Improvement Program

The Government of India, realizing the potential of socio-political and economic benefits from Higher Education in transforming India into a knowledge society, with the assistance of the World Bank envisaged Technical Education Quality Improvement Program (TEQIP), a long term program of about 10-12 years to be implemented in three phases in institution selected from all over the country in competitive basis. TEQIP Phase I implemented in 127 Engineering Institutes of the country had ended on 31st March, 2009. Under TEQIP Phase II, 187 engineering institutes selected in two cycles are participating.



From West Bengal, total 15 institutes have been selected for participation under TEQIP II, and Bankura Unnayani Institute of Engineering is proud to be one of them.

## TEQIP Goal

To scale up and support ongoing efforts of the Government of India to improve quality of Technical Education and enhance existing capacities of the institutions to become dynamic, demand-driven, quality conscious, efficient and forward looking, responsive to rapid economic and technological developments occurring at the local, State, National and International levels. It has a clear focus on the objectives to improve the overall quality of existing Engineering Education.



## The objectives of the project are

- Strengthening institutions to produce high quality engineers for better employability
- Scaling-up Post Graduate education and demand driven research & development and innovation
- Establishing Centers of Excellence for focused applicable research
- Training faculty for effective teaching
- Enhancing institutional and system management effectiveness

Bankura Unnayani Institute of Engineering is participating in TEQIP II under Sub-component 1.1 with the objective of strengthening institutions to produce skilled manpower of the highest quality comparable to the very best in the country and in adequate numbers to meet the complex technological needs of the economy.



Proud Recipient of  
Industrial Academia Conclave Award- 2017

## Our endeavor would be

- Obtaining autonomous institution status as per UGC norms
- Accreditation of all eligible courses
- Improving of learning resources including digitization of library books
- Continuing the ongoing PG programmes
- Further modernization of existing laboratories
- Improvement of the laboratories for the PG programmes
- Continuing the ICT based learning facilities for faculties and students
- Providing teaching assistantship to non GATE P.G. students
- Faculty and staff development for improved competence based on TNA
- Establishment of effective industry-academia collaborations
- Institutional management capacity enhancement
- Implementation of institutional reforms – both academic & non- academic
- Providing academic support for weak students and continuation of the finishing school

# Academy Industry Interaction

At BUIE Academy Industry Interactions has the basic objective to develop collaboration between the institute and industries. Such collaborations will lead to live projects with industry, inviting industry people for guest lectures, interactive workshops, conferences, brainstorming sessions, seminars and technical discussions on these subjects, creating strategy for moving towards joint research work with industry and other institutes and offer consultancy services by faculty and students to industry clients, evolving mechanism for involving industry participation in curriculum innovation and development.



# Innovation and our Young Minds

Innovation plays a pivotal role in BUIE. Faculties, Technical Assistants and Students of our institute are always engaged in developing new products and services through their technical skills.

## Motorized Dhenki for Brown / Non polished Rice Production

Department of Mechanical Engineering of the institution has taken an astuteness in deviation of 'Motorized Dhenki' to yield Tasty Brown /Black Rice for commercial purpose. The patent application filed by Dept. of Mechanical Engineering.



*A packet of Brown Rice handed over to Prof. Anil D Sahasrabudhe, Chairman, AICTE by Sasanka Dutta, Chairman, B.U.I.E.*



## Grass Cutter

Our institute students also constructed a very low-cost useful device, 'Grass Cutter Machine' to cut the grass surface of college premises within a very short period.



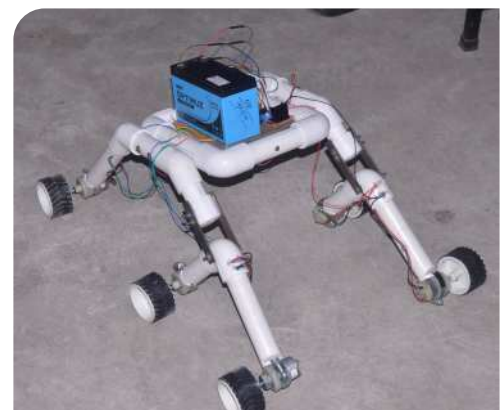
## LED Light

Our institute Electronics department students, faculty and Head Electrician and the staffs devote themselves to design our own low cost, less consuming LED light bulbs, tubes and street lights named as Jyoti Light B.U.I.E. The design was made by our young R&D minds with the help of the Faculty, Technical staffs and our Head electrician and was inaugurated by SDO, Bankura. Our entire Hostel and College campus is now brightened up with those LEDs and we are proud that those lights are glowing seamlessly.



## Floating Solar System

Our Electrical Engineering Department students with the help of the Faculties and Technical Staffs designed a model project on Floating Solar System which will not only generate the electricity from solar energy but also help us surviving in this global warming situation by reducing the water evaporation.





# Skill Development Programme

## through Vocational Training, Industry Training, Internship, Industry Visit by our Students

Industry visit/ Training/ Internship provide the students with a practical perspective of learning where they observe and learn to implement theoretical ideas into action. Pupils are exposed to a real working atmosphere in an organization. It is their first-hand experience with something associated with their career. Vocational training helps to change one's behaviour to enhance the quality of life through work and values. It is the process of acquiring attitude, knowledge, competencies relating to occupations in various factors of economics and social life. This can provide employment for its recipients. It is an important practical skill development program designed to equip persons of trainable qualities with skills that employers of labour want in the industries. Students of BUIE attend vocational training to develop their skills, abilities, understanding, attitude and work habits needed for a useful and productive career.

- ONGC, Dehradun
- HCL Rajasthan
- Descon Limited Kolkata
- VECC
- BARC
- SAIL
- WBPDC
- Micro Pro
- Durgapur Steel Plant
- Bokaro Steel Plant
- IISCO Seel Plant
- Alloy Steel Plant
- Kolaghat Thermal Power Station
- Bakreswar Thermal Power Station
- Santaldih Thermal Power Station
- Bandel Thermal Power Station
- RS Software
- Greater Calcutta Gas Supply Corp.
- South Eastern Railway, Kharagpur
- Adra Railway
- Bankura Railway
- Eastern Railway
- Howrah Railway
- Liluah Railway
- All India Radio Kolkata
- Bharat Sanchar Nigam Limited
- WEBEL Kolkata
- Damodar Valley Corporation
- TISCO
- CESC Limited Kolkata
- VSNL
- KAIL Limited
- Garden Reach Shipbuilders
- IOCL Haldia
- HPL Haldia
- DPL Durgapur
- Ardent Collaboration
- CMERI Durgapur
- CGCRI Kolkata
- HAL
- Airport Authority India Limited
- Simplex
- TATA Housing
- Bridge & Roof Co. (India) Ltd.
- PWD, Bankura
- KMDA, Kolkata
- Investigation & Planning Division, Bankura
- Tata Consultancy Services
- NTPC Farakka
- BHEL
- Globsyn Technology
- IBM ACE
- PSI Data System Ltd.
- Mindtree Consultancy Ltd.
- WEBEL FS
- CME Ltd.
- CETE, Kolkata
- Haldia Steel Ltd.
- Visakhapatnam Steel Plant
- Pari Ltd., Maharashtra
- IIT, KGP
- HCL Infosys Ltd., Kolkata
- CSI, Kolkata
- IISC, Bangalore
- GPS, Kolkata
- NIVT, Kolkata
- Appin Technologies, Jharkhand
- Doordarshan Kendra, Patna
- Doordarshan Kendra, Bihar
- CTTC-BSNL, Saltlake
- Tata Steel
- Electric Locomotive Works, Tatanagar
- NTPC, Kahalgaon, Bhagalpur
- Tata Power Dhanbad
- Ashoke Leyland Chennai
- WEBTEK
- HPES
- Aptech
- Tech Tree
- HP
- Meija Thermal Power Plant
- Indian Railway CLW
- P.W.D (Roads) Directorate, Durgapur
- PWD, Kolkata North Division
- Punj Lloyd Ltd
- Irrigation & Waterways Dept., Kakdwip
- SPCN, Kolkata
- Aditya Birla Group
- DSC Pvt. Ltd

# The Green Initiative

## 80 KWp Grid Connected Solar PV Power Project in the Campus

In India Educational Institutions are taking key role in the development of country as a back bone. Government of India introduce different schemes for implementation of solar power on roof tops of the educational Intuitions to fulfil the electricity demand. Bankura Unnayani Institute of engineering has installed two 40 KWp on grid with total capacity of 80KWp solar power plant separately to

meet not only the energy crisis of college campus but also to make our environment pollution free by utilizing the non-renewable energy sources to make our world more greener.

The 40 KWp grid connected solar photovoltaic power project implemented in the Institute from the fund of TEQIP-II, inaugurated by Prof Saikat Maitra, Hon'ble Vice-Chancellor, Maulana Abul Kalam University of Technology on 15th June, 2017.

Our college students are associated with different technical projects on renewable energy sources like solar and hydel. Final year Electrical Engineering students have one paper on renewable source of energy. Students and college management both have been benefited to have such practical solar PV system.



## Green House

In our college campus, we have set up four model poly houses with modern technology for temperature control and irrigation system to encourage organic farming of the valuable corps with very less irrigation in drought-prone areas like 'Jangalmahal'.

College also organized a seminar to connect the farmers with renowned scientists, like Dr. Rajaram Tripathi and R.S. Senegar, to give a boost to organic herbal and medicinal plant farming.

Our students have also involved themselves to combine their engineering knowledge to the agriculture using their technical idea with the help of their teachers to design some irrigation system models with their young R&D mind to bring automation to help the plants grow faster with less human efforts.





# Contribution to the Society

## Unnat Bharat Abhiyan and our students



The conceptualization of Unnat Bharat Abhiyan started with the initiative of a group of dedicated faculty members of IIT, Delhi working in the area of rural development and appropriate technology. Unnat Bharat Abhiyan is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India.

BUIE has participated in this initiative as PI since 2018 for five adopted villages under Jagadalla-II Gram Panchayat of Bankura-I block: Agaya, Jharia, Nandigram, Shibrampur and Patalkhuri.

Our students are involved in surveying daily life problems in the rural areas, try to understand them and develop ideas to solve those problems with their young minds, adopting knowledge based skills with the help of our faculty members and staffs.

Prof. Subrata Pan is coordinating this programme in association with Executive Committee & Advisory Committee members, mentors, faculty members, staff and students of the Institute. BUIE has already submitted some innovative ideas like Digital Awareness Generation, Motorized Dhenki, Plastic Road, etc for our adopted villages.

## Pradhan Mantri Kaushal Vikas Yojana (PMKVY)

BUIE has been selected as “Pradhan Mantri Kaushal Vikas Yojana- Technical Institution (PMKVY-TI)” by the Ministry of Skill Development & Entrepreneurship, GoI and AICTE, to run the following 11 technical courses from Academic Year 2017-18:

- Domestic IT Helpdesk Attendant
- Lathe Operator-I
- Lathe Operator-II
- Plumber (Welder)
- Welding & Quality Technician
- Assistant Construction Fitter
- Assistant Scaffolder Conventional
- Micro Irrigation Technician
- Assistant Shuttering Carpenter
- Assistant Bar bender and Steel Fixer
- Plumber Pipeline





Government of India  
Ministry of Skill Development & Entrepreneurship



# PRADHAN MANTRI KAUSHAL VIKAS YOJANA-TECHNICAL INSTITUTION (PMKVY-TI)

প্রধানমন্ত্রী কৌশল বিকাশ যোজনা-টেকনিক্যাল ইনস্টিটিউশন

AICTE has approved total 15 courses with an intake of 25 candidates of each course for AY 2018-19.

Courses are as follows:

- Domestic IT Helpdesk Attendant
- Junior Software Developer
- Lathe Operator
- Casting Technician Level 3
- Repair- Welder
- Assistant Manual Metal Arc Welding
- Helper Electrician
- Calibration Technician
- LED Light Repair Technician
- Construction Lab. & Field Technician
- Assistant Designer- Home Furnishing
- Assistant Electricity Meter Reading, Billing & Cash Collector.



- Soil & Water Testing Lab Technician
- Plumber Pipeline
- Field Technician- AC

*Courses were fully free of cost and designed for the school drop-out, unemployed youths of the District.*



## Paschim Banga Society for Skill Development (PBSSD)

BUIE has been selected as the Training Partner of "Paschim Banga Society for Skill Development(PBSSD)", a flagship scheme under "Utkarsh Bangla" by the Training & Skill Development Department, Government of West Bengal.

Following four courses have been approved in the AY 2019-20

- Domestic IT Helpdesk Attendant
- Domestic Data Entry Operator
- LED Light Repair Technician
- Surveyor



# Glimpse of the Career Status

of few of BUIE Alumnus in different  
PSUs and MNCs across the World

Name of Alumnus	Year of Pass Out	Present Company
Anirban Jyoti Ray	2002	Schneider Electric
Ashish Kr Dey	2002	Danieli Automation
Somnath Mishra	2002	NTPC Ltd
Arijit Hota	2003	Samsung Engineering
Somnath Banerjee	2003	Rockwell Automation
Ankhee Sarkar	2003	Schneider Electric
Somnath Paul	2003	Nokia Solutions & Networks India Pvt Ltd
Krishna Kanta Goswami	2003	DVC
Aniruddha Mukherjee	2004	ABB
Soumyadip Nandi	2004	Worley Parsons
Sidhartha Bhunia	2004	Emcons(RCSI of Rockwell )
Dr. Rajarshi Bardhan	2004	Nanyang Technological University
Samiran Nayak	2004	Adage
Avik Das	2005	ExxonMobil
Prasenjit Deb	2005	CGP, JSPL
Siddhartha Ghosh	2005	Tata Power Company Ltd
Sourav Ghosh	2006	Fluor India
Surajit Pahari	2006	GE/ALSTOM
Samir Mandal	2006	Fluor
Indranil Chakraborty	2006	SSP
Sourav Pal	2008	Schneider Electric
Barun Paul	2008	Honeywell Technology Solution
Devajyoti Halder	2009	Jindal Steel Power Limited - CGP
Supriya Chakraborty	2009	Telecon Systems, Noida
Debasish Roy	2009	UAL Industries Ltd.
Subhasis Ojha	2009	Essdee Aluminium Limited
Ravi Shankar Dawn	2009	Bhushan Power & Steel Limited
Debraj Sarkar	2010	Essdee Aluminium Limited
Debdeep Majumdar	2011	Angelique
Sweta Singh	2011	L&T InfoTech
Chandra Shekhar Bhakat	2012	Microsoft
Tarak Sharma	2012	Electrotherm India Limited
Abhijeet Chakraborty	2014	VFCL
Aman Sharma	2015	Hexaware
Sutapa Paul	2015	Hexaware
Sandip Sen	2015	Hexaware
Trishita Bhattacharyya	2016	Hexaware
Shiladitya Nandi	2017	Tessolve
Suman Singh	2018	Dilip Buildcon
Nabin Banerjee	2018	Dilip Buildcon
Md. Nasim Karim Mallick	2018	Lloyd Insulation
Swarna Chandra	2018	KEC International
Rahul Barui	2018	KEC International
Sumanta Banerjee	2018	KEC International
Subhadeep Paul	2019	Hexaware
Arpan Pal	2019	TBEA
Prakash Malakar	2019	TBEA
Soumi Nath	2020	Capgemini
Dipendu Mardanya	2020	TCS
Samudra Gupta	2020	CTS
Rahul Hossain	2020	Wipro Z
Amrita Patsa	2020	E-Click Software & Solutions Ltd
Sachain Kumar Mahato	2020	E-Click Software & Solutions Ltd
Aritra Paul	2020	Iq Gateway, Bangalore

... and many more

## Mentoring of students

College is a time of transition, change and new experiences for students. Among college bound individuals, a constellation of stressors is frequently experienced. Stress may arise from challenging course loads, problems in managing ones' time and personal finances, tension related to examinations and challenges in creating and maintaining satisfying interpersonal relationships; potentially leading to increased levels of depression, anxiety, academic failure and emotional exhaustion.

However, successful negotiation of this transition has been linked to better psychological adjustment, fewer risk behaviours and academic success. Counselling provides students with such successful conciliation during this transition period. The Counselling Cell also helps the student to gain insight into his/her area of interest, aptitude, personality, anxiety etc.

Students can come for counselling on any matter that might be troubling them. Some of the common problems among the college students are as follows:

### Academic Problems

- Poor study skills/Time management
- Difficulty in adjusting to college
- Exam stress
- Low attendance
- Choice of specialization
- Poor listening / Communication ability
- Difficulty in following class lectures

### Career Related Problems

- Confusion regarding choice of career
- Higher studies
- Jobs/Professional courses

### Personal Problems

- Loneliness/Depression
- Stress/Anxiety/Handling Anger
- Thoughts of suicide
- Relationship problems within or outside family
- Addiction (of any kind)
- Negative thinking or low self esteem / self confidence
- Conflict with friend / Handling peer pressure
- Adjustment Problem





## Our students' Cultural Activity and Creativity

BUIE believes in determining the quality of life of its students through various co-curricular activities along with its academic curriculum. The Cultural Club and Games and Sports Cell of the institution enable its students to participate in miscellaneous activities and develop their creative selves and team work spirit.

Students, Faculty & Staff members join hands to organize various programmes like Induction Programme, Tree Plantation, Foundation Day Celebration, Rabindra Jayanti, Annual Sports, Annual Cultural & Technical Fest (Technophilia), around the year.

The Cultural Club has a Facebook Page (<https://bit.ly/CulturalClubBUIE>) and YouTube Channel ([https://bit.ly/CulturalClub\\_BUIE](https://bit.ly/CulturalClub_BUIE)) where ingenious activities of the students are uploaded all through the year. It holds under its banner :

- Music Club
- Photography Club
- Drawing & Painting Club, Cine Club
- Language Club and the humanitarian wing- '*Sporso*'.

Students' activities are periodically assessed and during the Foundation Day Programme and the Annual Fest, they are rewarded accordingly. Students are also accoladed with two prestigious awards after the names of two eminent figures of Bankura, namely “**Jadu Bhatta Memorial Award**” for Outstanding Contribution and

“**Jamini Roy Memorial Award**” for Special Contribution in the co-curricular activities in the four years of the campus life.

Students are always encouraged to participate in various competitions at University, National and International Level. The students have won many prizes at various levels.

Recently, one of our students, Mr. Ankur Samanta has been honoured by World Book of Records Limited-UK for 'Portraying the smallest Indian National Flag on a 1 mm poppy seed using fabric colours with a naked eye without use of any microscope'.



## Entrepreneurship

To change the mind set from Job Seeker to Job Creator

With a focus on developing students' technical expertise, global perspectives and entrepreneurial confidence, BUIE is dedicated to training the next generation of leaders to develop solutions to some of the world's greatest challenges.

Engineers will always be needed to spread their expertise across STEM fields. In terms of the ropes of business, engineers have the potential to be seen as respected for their innovative and creative capabilities.

Our institute has signed a MoU with Wadhvani NEN. Wadhvani NEN (WNEN) empowers millions of global students with entrepreneurial mindsets and skills by providing them with high quality experiential entrepreneurial education, thus,

- *Enhancing their job prospects*
- *Encouraging entrepreneurship*
- *Driving long-term entrepreneurship*





# Campus Life at BUIE

Our campus is continuously progressing. Our students are deeply involved with the community and are going to start clubs, run organizations. BUIE students are curious and engaged; active involvement outside the classroom is central to BUIE's culture. They are engaged in the activities of Robotics club, Bestowal - the communication club, cultural and literary club, Innovation-Incubation-Entrepreneurship Cell and many other activities outside their curriculum. They are also engaged in different sports and games, and their activities in the multi-gym at the campus. In the Annual College Festival apart from cultural events by the students and invited artists, students organize Blood Donations Camp, Technical Fest and many other activities. We have Freshers' Welcome, Rabindra Jayanti, Annual Sports Meet and many other activities.





# Courses Offered

## Post Graduate Course

PG (M.Tech.)	Duration (Yr.)	Intake
Computer Science & Engineering	2	18
VLSI (Electronics & Communication Engineering)	2	18

## Under Graduate Course

UG (B.Tech./BCA/BBA/B.Sc.)	Duration (Yr.)	Intake
Department of Mechanical Engg.	4	60
Department of Civil Engineering	4	30
Department of Electrical Engg.	4	60
Department of Comp. Sc. & Engg.	4	60
Department of Electronics & Communication Engg.	4	60
Department of Applied Electronics & Instrumentation Engg.	4	15
Department of Information Technology	4	15
BCA and BBA	3	60
B.Sc. in AI / Data Science / Medical Lab Technology	3	60

## Fee Structure — 2020-21

### One time charges payable while taking admission\*

B. Tech	:	Rs.38,250.00
BCA	:	Rs.33,650.00
BBA	:	Rs.28,650.00
B.Sc. in AI/Data Science	:	Rs.33,650.00
B.Sc. in Medical Lab Technology	:	Rs.43,650.00

\*Break-up detail is available on our website

- Tuition Fees payable per annum for B.Tech. (Total Fees- Rs.3,12,000.00)  
For 1st Year: 75,000.00 ; 2nd Year: 77,000.00 ; 3rd Year: 79,000.00 & 4th Year: 81,000.00
- Total Tuition Fees payable for BCA - Rs.1,33,350
- Total Tuition Fees payable for BBA - Rs.1,03,350
- Total Tuition Fees payable for B.Sc. - AI/Data Science- Rs.1,33,350
- Total Tuition Fees payable for B.Sc. - Med. Lab Tech.- Rs.2,01,350

## Hostel Charges

### Payable at the time of admission (Quarterly Basis)

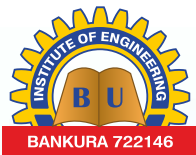
Hostel expenses - quarterly (without food)**	3,600.00
Hostel deposit (One Time & Refundable)	4,000.00
<b>Total</b>	<b>7,600.00</b>

Quarterly afterwards (Hostel): 3,600.00

\*\* The charges of food will payable by the students on actual basis to the Mess Manager/Contractor by 7th of the following month.

# Rules and Regulations of the Institute

- Have to be punctual and regular in class attendance.
- 75% of attendance is essential to be eligible for appearing in the University as well as Institute examinations.
- Appearing in the Institute examination is mandatory for each student.
- Absence from the Classes or Institute examinations may only be excused on Medical Grounds.
- Should make a regular habit to see the Institute Notice Board and Institute Website.
- Loitering in the corridors/lawn/Institute Gate is strictly prohibited.
- Identity Card issued by the Institute must be brought regularly.
- Wasting water and electricity is punishable.
- Littering here and there is punishable.
- Students are expected to conduct themselves in a worthy and dignified manner to maintain academic and moral standards of the Institute.
- Uniform is compulsory.
- Harassment/ragging/mobbing/abusive behavior in the Institute and hostel premises is strictly prohibited.
- Use, possession and distribution of alcohol, drugs and drug paraphernalia in the Institute and hostel premises are banned.



## BANKURA UNNAYANI INSTITUTE OF ENGINEERING

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