

GNIT

GURU NANAK INSTITUTE of TECHNOLOGY



Annual Report 2018-19



Accreditations, Affiliations & Approvals



ज्ञान-विज्ञान विमुक्तये
UGC



NAAC



AICTE



NBA



MAKAUT
(formerly WBUT)



WBSCT&VE&SD
(formerly WBSCTE)

FOUNDER



Sardar Jodh Singh



JIS GROUP

JIS Group Educational Initiatives

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Managing Director's Message

Annual Report 2018-19



This gives me immense pleasure to induct the Annual Report of Guru Nanak Institute of Technology, Kolkata, West-Bengal. GNIT was established in the year 2003 by the Guru Nanak Educational Trust. GNIT is a unit of JIS Group Educational Initiatives. The institute is making progress in multidisciplinary dimension, consolidating the endeavour to consistently attain excellence. This annual report is the comprehensive report of the progress for the academic year 2017-18.

The number of students' and faculties' achievements and recognitions multiplied during 2017-18. In the field of research, faculties and students published many noteworthy papers in different national and international forums. The institute has organized multi-faceted events in national and international echelon.

GNIT have been going through a major transformation over the past years and it is not easy to assess the transformation impact from one year's results, but when looking back, it becomes clear just how much has changed. I want to thank our students, parents and others associated with GNIT, for their sustained trust. I want to thank our employees for their commitment, energy and irrepressible drive, which helped to establish GNIT as an institute of national repute.

Sardar Taranjit Singh
Managing Director, JIS

Principal's Message

Annual Report 2018-19

Guru Nanak Institute of Technology (GNIT) was established in the year 2003 by the Guru Nanak Educational Trust. GNIT is a unit of JIS Group Educational Initiatives, a premier education service provider in West Bengal, having 30 Institutions, 25,000 students offering 72 academic programmes. Instituted with a vision to empower aspiring professionals with technological knowledge and professional expertise.

This technical campus offering undergraduate and post graduate courses under Maulana Abul Kalam Azad University of Technology (MAKAUT formerly WBUT), approved by NAAC, UGC, NBA, AICTE is located in one of the prime locations in North Kolkata. The Institute offers global standard education in latest technology, fosters research initiatives and innovations undertaken by both the faculty members and the students to enrich and enhance the teaching learning process. This approach equips the students to keep pace with the dynamic evolution of science and technology both in academics and industry. The trend-setting academic endeavors of GNIT have produced some of the finest scholars and ace industry professionals amongst our alumni who have brought fame and laurels for both the institute and themselves.

The Institute is located at the industrial hub of Sodepur, well connected by road and railway and in near proximity to Kolkata International Airport and to Howrah, Sealdah and Kolkata railway stations, which are the gateways' to the city of joy. The serene and aesthetically developed campus is highly conducive for quality academic endeavors. The entire campus is smoking free & plastic free to ensure an eco-friendly and pollution free environment. The college has an enrollment of around 2000 students pursuing various degree engineering courses. I welcome all the students at GNIT wish them a very bright and prospective career.



Sincerely
Prof (Dr) Santanu Kr. Sen
Principal, GNIT

Director's Message



Every step in education is a stepping across thresholds, crossing new frontiers in acquiring knowledge, learning lessons in love, sacrifice and service. Our mission is to provide quality education through innovative teaching, research and consultancy services for development to obtain academic excellence.

All round efforts are being made to provide qualitative, value based, activity oriented education in Guru Nanak Institute of Technology (GNIT) established by the renowned Industrial Group JIS Group in the year 2003 with four core disciplines in engineering viz. Computer Science & Engineering, Electronics & Communication Engineering, Applied Electronics & Instrumentation Engineering & Electrical Engineering. Since, then the Institute has been growing steadily with qualified faculty in

keeping pace with the present trend of development in Industrial scenario. Now, in its ninth year GNIT offers an exciting range of learning and training opportunities through full time B.Tech programmes in six different streams viz., CSE, ECE, EE, AEIE, FT & IT. Moreover, the Institute also offers postgraduate courses in MCA, MBA. M.Tech in the stream of ECE(MCNT) and CSE introduced from 2009 and FT from 2011. The Institute is AICTE-NBA accredited in the departments of CSE, ECE, EE & AEIE.

The mission of the institute is to become one of the finest engineering institutes in the country and partner the state in the industrial resurgence in West Bengal by generating world class engineering graduates. Every member of GNIT identifies with this mission very passionately and is committed to fulfill this mission. GNIT identifies that improving employability of graduates is of paramount importance.

For increasing learning outcomes of the students, GNIT wishes to establish new laboratories. Intends to develop more intense networking with eminent national and international institutes, develop a more industry oriented curriculum, establish e-learning and e-library, encourage participation in seminars, workshops, summer / winter schools and refresher courses by faculty members and students and develop a 24x7 Wi-Fi campus.

The training and placement cell in GNIT has been strengthened right from the second year level. With their effort, students have been placed in various renowned companies and some of them have gone for higher studies abroad. Utmost emphasis has been put on faculty development. Qualified post graduate teachers are encouraged to carry on R&D activities and consultancy work to propel the students into new horizons of emerging areas.

Prof. (Dr.) Annapurna Das
Director , GNIT

Vision of the Institute

- To ignite young minds with creativity and empowering lives
- To train and educate students at both U.G and P.G levels to produce a galaxy of young professionals of outstanding ability who can become leaders in their profession
- To pursue new educational initiatives of national significance
- To develop responsible citizens who can meet the challenges faced by the society

Mission of the Institute

- To meet the demands for skilled manpower on a global basis in the field of Engineering, Technology and Management
- To inculcate amongst the students and inspire them to take up higher studies and research
- To impart high quality education by providing the ambience needed for developing requisite skill for excellence in education and industry

Awards



Associations

Associated With

 AIT Asian Institute of Technology AIT, Bangkok	 BCCI THE BENGAL CHAMBER BCCI	 IE (I)	 Confederation of Indian Industry CII	 ISTE
 ECAM LYON, School of Engineering, France	 Ministry of MSME, Govt. of India MSME	 INFOSYS	 NASSCOM	

Champion Team of Smart India Hackathon 2019 (Rs. 1,00,000/- from MHRD)

Saswata Mukhopadhyay (Team Lead), Faraz Ali, Supriyo Das, Sandipan Sau, Megha Singh, Sinjana Saha of the Team "Byte Me Up" under the Mentorship of Prof. Tridib Chakraborty of IT Department



Dr Kakoli Bandyopadhyay of FT Dept was hired as Food Auditor to inspect the food items for mid-day by CII for Food Quality and Safety for several Government Schools.



Principal, GNIT has been awarded "Professional Engineer (P.Eng)" by IE (India) on 17th May 2019. He is the 1st person under CS Division to receive this award in India





GNIT is delighted to share the coveted liaison in the form of Institutional Membership (NCSSSINST4098540) with National Cyber Safety and Security Standards in June 2019



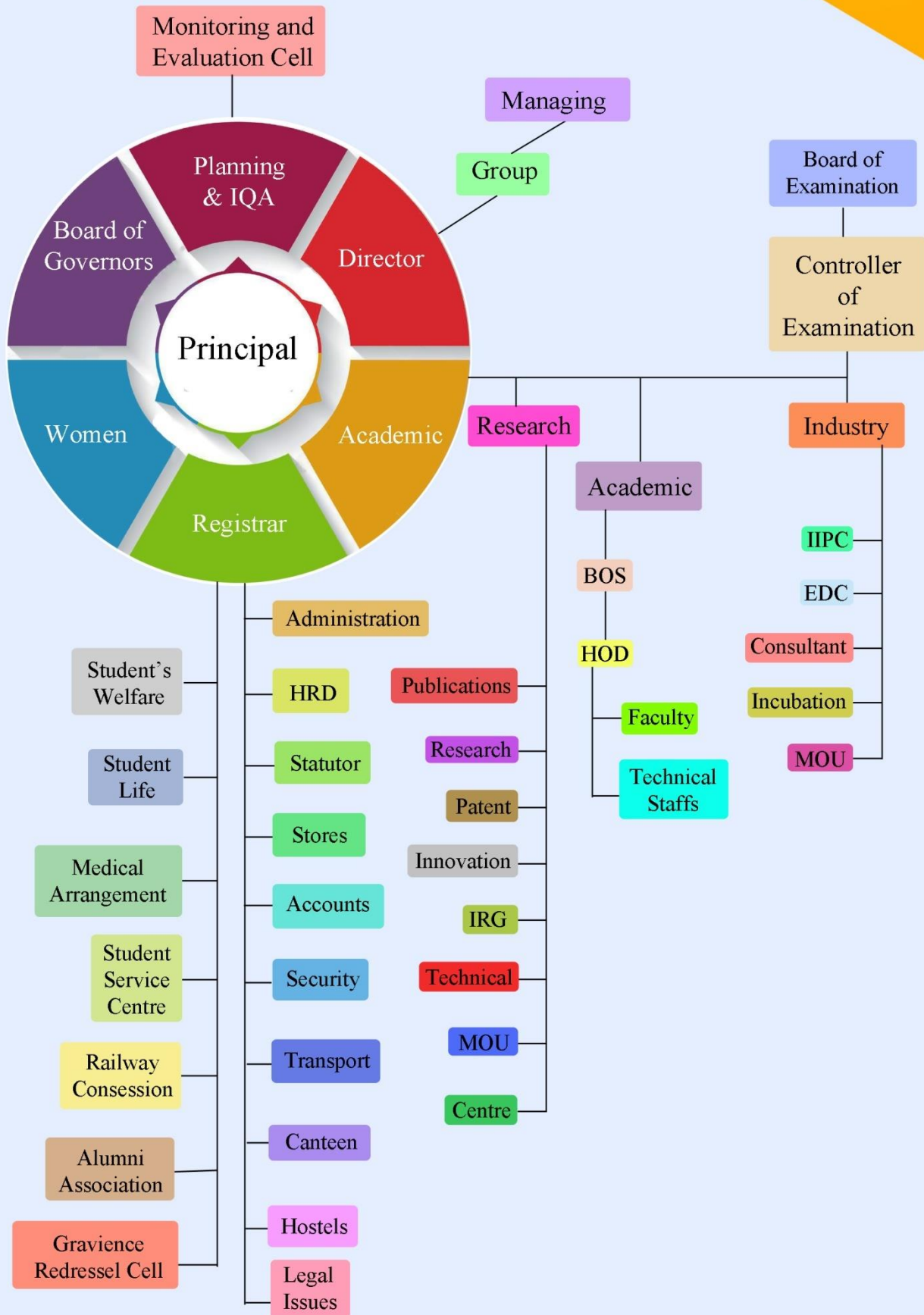
GNIT established the Student Chapter under the Solar Energy Society of India (SESI), New Delhi in May 2019



GNIT's MHRD sponsored Institution's Innovative Cell (IIC) has been elevated to 2 STAR. Leading to 5 star

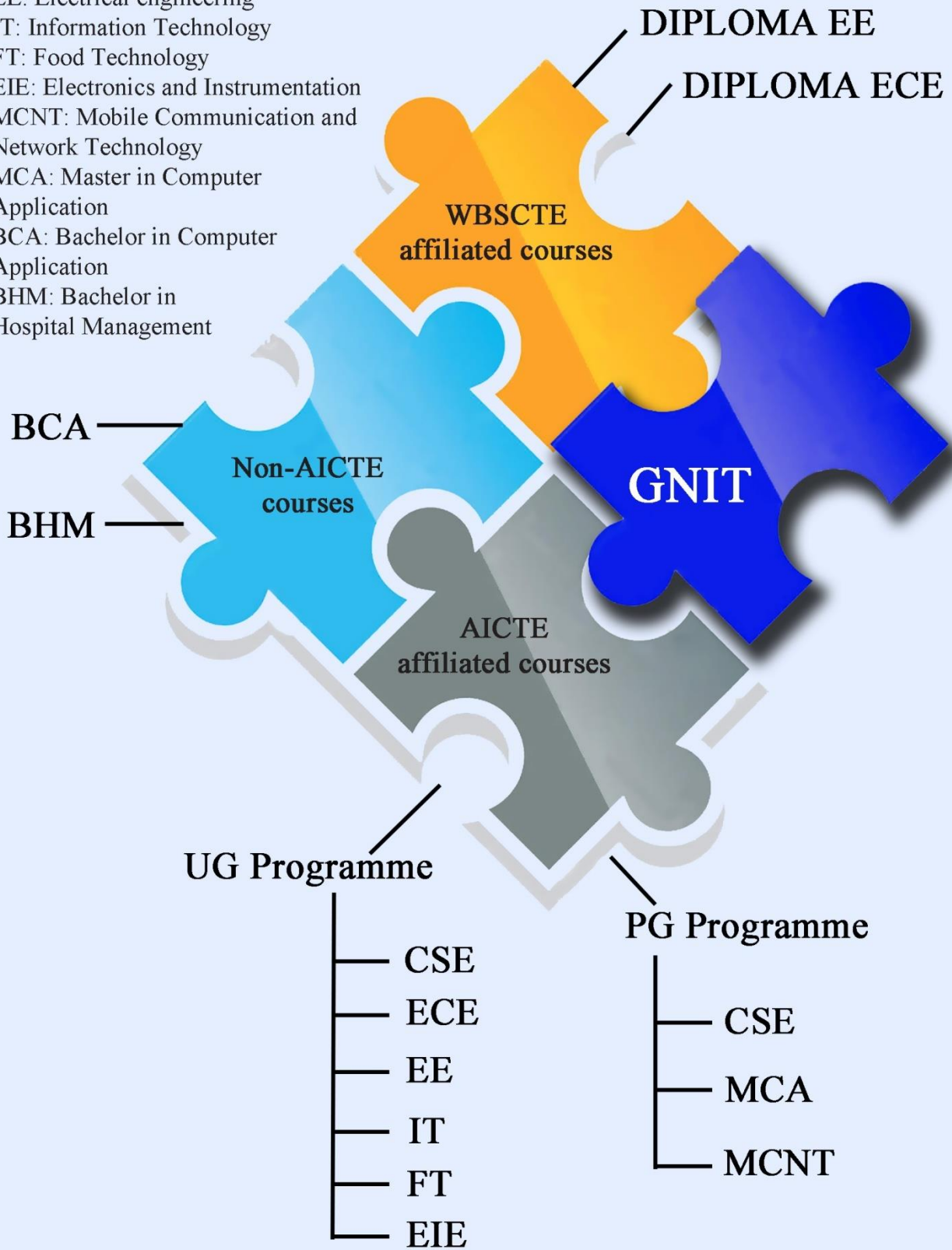


GNIT signs MOU on 17th May, 2019 with Institution of Engineers (India) headquartered in Kolkata – 1st time in WB



Abbreviation

- CSE: Computer Science and Engineering
- ECE: Electronics and Tele communication
- EE: Electrical engineering
- IT: Information Technology
- FT: Food Technology
- EIE: Electronics and Instrumentation
- MCNT: Mobile Communication and Network Technology
- MCA: Master in Computer Application
- BCA: Bachelor in Computer Application
- BHM: Bachelor in Hospital Management





Dr. Annapurna Das
Director, GNIT



Dr. Sisir Kr. Das
Dean, GNIT



Dr. Santanu Kr. Sen
Principal, GNIT



Dr. Adish Chakroborty
Registrar, GNIT



Dr. Arun Kr. Mondal
Controller of examination
GNIT



Dr. Sucharita Chakroborty
HOD, Applied Science
& Humanities



Mrs. Ipsita Saha
HOD, Computer
Science & Engineering



Dr. Sunipa Roy
HOD, Electronics &
Communication
Engineering



Dr. Kakali Bandhapadhyay
HOD, Food Technology



Dr. J K Das
HOD
Electrical engineering



Ms. Debashruti Ganguly
HOD
Hospital Management



Mr. Chiranjeeb Dutta
HOD
Computer Application



Mrs. Bapita Roy
HOD, Electronics
and Instrumentation



Mr. Sudeep Ghosh
HOD
Information Technology

UG Courses	General Intake	TFW Intake	Actual Admission	Actual TFW Admission	Total admission
B.Tech - CSE	120	6	120	6	126
B.Tech - ECE	120	6	112	6	118
B.Tech - EE	120	6	52	6	58
B.Tech - IT	60	3	58	3	61
B.Tech - FT	60	3	59	2	61
B.Tech - AEIE	60	3	19	2	21
B.Tech - FT (L)	12	-	16		16
B.Tech - AEIE (L)	12	-	0		0
B.Tech - CSE (L)	24	-	10		10
B.Tech - ECE (L)	24	-	13		13
B.Tech - EE (L)	24	-	18		18
B.Tech - IT (L)	12	-	1		1
		-			
M.Tech-CSE	18	-	4		4
M.Tech-ECE	18	-	2		2
MCA	60	-	11		11
BCA	60	-	60		60
BHM	60	-	60		60
DIPLOMA IN EE	60	3	60	3	63
DIPLOMA IN ETC	60	3	54	1	55
Grand Total	984	33	729	29	758

**Total : 758
for 2018 - 19**



MTech-

Scholarship of @20% on tuition fee (Rs.2,00,000 for 2 years, total course fee is Rs.2,22,100 for 2018-19) i.e Rs.10,000/ per semester is applicable only to the students who have studied their B.Tech in any of the following institutions:

1. JISCE
2. NIT
3. GNIT
4. DSCSDEC
5. GKCEM (JV)

GATE qualified students are also eligible for this scholarship apart from their GATE scholarship from AICTE.

AICTE scholarship/stipend will be provided to the GATE qualified candidates as and when received from AICTE.

Financial assistance for publication in Scopus/Thompson & Reuters indexed journals i.e upto 50% of the publication fee

Classes will be conducted twice a week

B.TECH LATERAL-

Scholarship of Rs.60,000/- @ Rs.10,000/- per semester (Tuition fee is Rs.2,34,000 and total course fee is 2,97,050 for 2018-19) is applicable only to the students who have studied their three years Diploma in Engineering in this institutions:

1. JISSP
2. JISCE
3. NIT
4. GNIT
5. DSCSDEC
6. GKCEM (JV)

MCA-

Scholarship of Rs.45,000/- at the time of admission (Admission Fee: 10000/- + Caution money : 10000/- + Tution Fee : 25000/-) and Rs. 20000/- (Tution fee) in 2nd semester is applicable only to the students who have studied their Undergraduate courses in any of the following institutions:

1. JISCE
2. NIT
3. GNIT
4. GNIPST
5. JISU

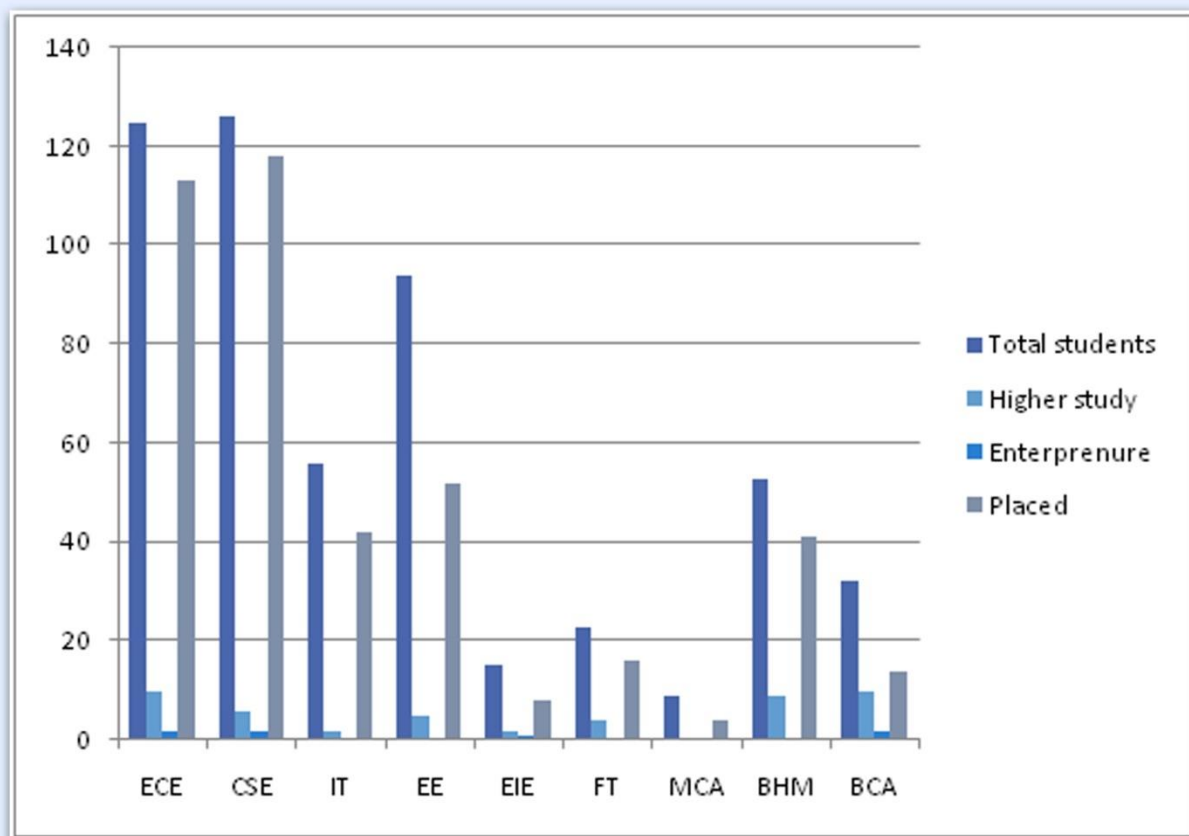
MBA (2 Years)					
Particulars	1st Sem	2nd Sem	3rd Sem	4th Sem	Total Fees
Application Kit (one time)	1000				
Admission Fees(one time)	5000				
Registration Fees (one time)	2600				
Caution Deposit (Refundable)	10000				
Library Fees Per Sem	1000	1000	1000	1000	
Student Activity Fees Per Sem	500	500	500	500	
Tution Fees Per Semester	99600	99600	99600	99600	
Grand Total	119700	101100	101100	101100	423000
Scholarship 30% on Tution Fees (Bet 70%-89%)	89820	71220	71220	71220	303480
Scholarship 25% on Tution Fees (Bet 40%-69%)	94800	76200	76200	76200	323400

Scholarships/ Teaching assistantships are liable to be withdrawn, partially or wholly, in case of misconduct, deliberate concealment of materials/facts and/or supply of false information, and/or continued absence of more than one month except on medical grounds.

Scholarships/Teaching assistantships are liable to be reduced or terminated for a period of up to one semester on account of poor academic performance or not carrying out the assigned tasks in a satisfactory manner.

Around 117 companies took part in placement of the students in the academic year 2018-19. Some of the major companies which hired our students are. The highest salary offered is Rs. 10.00 lacs Per annum by Thnik& learn (Byju's).The average salary is. Rs. 2.67 lacs Per annum.

Placement data for 2018-19



The list of companies

Juspay | Johnson Controls | Asa Bhanu | Capgemini | Deloitte | ITC Food Division | Capgemini | DBS | Zensar Technologies | Just Dial | Asahi India Glass | Adobe Systems India Pvt Ltd | Ganesh Products Pvt Ltd | ITC Infotech | TCG Digital | Efrac | DirectI | Prolifics Corporation Ltd. | Franciscan | Nestle | Pinnacle | Poornam | Infosys | IBS Software Services (P) Ltd | Genpact | Pinnacle (Diploma) | Vastu Vihar | Mindtree | Patel Information Technology Services | TCS | Innoraft | CTS | Kovair | JBM Group | Hearing Plus | Think & Learn (Byjus) | Asahi India Glass | Asahi India Glass | Indusnet Technologies | Techno Electric | Mphasis Ltd | Nerdy Turtlez | BSA Corp Ltd | Fixfin Technologies | Ginesys | Haricons Engineers & Contractors | Vijai Electricals | Stesalit Systems | Go Speedy Go | Vastu Vihar | Net2Source | Mitsuba Sical India Pvt Ltd | Manikaran | CSM Technologies | IoTivity | Collabera | CloudKaptan | Capgemini | Zicom Electronic Security Systems | Dynamics Finer Info Solution | erp2enterprise | oornam | Centium Electronics Ltd | Vyom Labs | HP Inc. (under the payroll of fidelis group) | Indigo | Linde Group | Tenneco India | Medullus Systems | Morse Systems India | Netpro System | Indigo | Adani Solar (Under the payroll of Addeco) | Gemini Systems | Control Print | Paapri Business Technologies | Tirumala Seven Hills | eClinical Works | Wipro Technologies | Wipro Technologies | Quadrant Suraksha Service | Blue Star | JR Technologies | Keyence India | Atlas Healthcare | CodeAchi Technologies | Hind Rectifier | Ambootia | Ayant Software Pvt.Ltd. | Valued Epistemics | LG Soft India | T-Web Exponent | Newhope Kolkata Animal Feed Private Limited | Ayant Software Pvt.Ltd. | Soft Vision | Aponiar Software | Motherson Automotive Technologies and Engineering | Xento Systems Pvt. Ltd. | Nerdy Turtlez | VAP Technology Pvt. Ltd. | Wizertech Informatics | Rajsriya Automotive Industries Pvt Ltd | Spicejet | New Vision Software | Sonodyne Electronics Pvt Ltd | Hexaware Technologies | VAP Technology Pvt. Ltd. | Netscribe | Irvine Infocom | Shree Balaji Equipments Pvt Ltd | Mantra Labs | Ridhima Enterprise | Passionate Futurist | Greppent Solution | Excel Orgo | Peol Technologies | Cyber Swift | Dhanush Engg. | Whitelion Technologies Pvt.Ltd. | CTS | Vastu Vihar | Trigent | Time Internet Group | Rivigo | Right Track (Humble Advisory) | Universal Hunt | CloudKlaptan | Tenneco Automotive | New Vision Software Pvt Ltd | Whitelion Technologies Pvt.Ltd. | Keross | Sterlite Tech | Antedea | Amazon | Nimbus Systems | DemandFarm | Amazon | JBS Enterprises Pvt Ltd | Seap Infotech | Asahi India Glass | Qube Cinema Technologies | Subex | Irvine Infocom | CTS | Lowe's Service India Pvt Ltd

Library Services:

The Library is an information resource center providing books, magazines, periodicals, and newspapers. Computers offer Internet access to online databases of full text periodicals and electronic books. The Library offers study rooms, course reserve materials, and photocopy machines.

Reference assistance is available for group and individualized instruction.

Apart from faculty, staff, administration and students, Industrial establishments / corporate houses can also avail the services of Library on taking Institutional / Corporate membership of the Library. Library consultation facilities are also available to faculty and students of outside Institutes / Organization on request.

The Library, besides having a huge collection of books on engineering, science and humanities offers library services through its various Divisions.

Area:

Carpet Area in Library 660.43 sq.mt.

Hours of Operation:

Other than the holidays and Sundays, library remains opens on Monday to Friday: 08.00 a.m. to 8:00 p.m.

Saturday: 08.00 a.m.to 5.00 p.m.

Library Resources (Printed Document) :

Text Books : 47420

Reference Books: 4810

Hard copy Journal & Magazine : 27

News paper : 5(4 Daily and 1 weekly)

Previous year question paper

Faculty Publication

Student Publication

Student Project Paper

E-Resources :

E-books : 1,15,000

E-Journal :7276

CD/DVD : 3250

E-magazine: 4000 + E-Magazine and premium articles

NPTEL Video lecture :

Institutional Membership

We are collaborated with

On-Line Text based Information for Elsevier - Engg & CS – 2018

- 276 no's of online E-journal are fully Downloadable

British Council Library

- Best current collection of British books and journals
- Training materials
- Professional training DVDs
- Management Workshops and Video- Screenings
- Business English skills development programmers
- Exclusive series of workshops
- Fully downloadable online resources (90,000 e-books, 7,000 e-journals) with personalized access
- Management Information Support Services
- Film screenings, musical performances, arts exhibitions and book launches
- 20 Books & 10 periodicals for three weeks
- Two management training video for three weeks
- Single login to 115000 full text E-books, 7000 full text e-journals, Literature Online(350,000 full-text works of English and American literature), Zinio (collection of international digital magazines) and IndieFlix (3000 award winning independent movies and short feature)

National Digital Library (Govt. of India)

- Repository hosts contents for multiple subject domains like Technology, Science, Humanities, Agriculture and Others
- Repository integrates contents from different Indian Institutional repositories

Magzter

- 4000 + Magazine and premium articles



S1	Name of the Department	Name of Organization Signed MOU	Type (Industry/Academic/Research Institute)	Date	Programming Highlights/Objective
1.	IT	Balista e-Tech	Industry	01/08/2017	Collaborate with industry for creating synergy of knowledge, innovations and professional expertise.
2.	IT	OGMA Tech Lab	Industry	21/08/2017	Enhancement of Professional Expertise and Knowledge and Training.
3	CA	EjobIndia (wing of Open Solutions for Education India Pvt. Ltd.)	Industry	30/8/2017	Collaborations in Academic Developments, Industry Projects and student internships, R&D, Entrepreneurship Development
4	Institutional	NASSCOM (National Association of Software and Services Companies)	Institute	15/12/2016	NASSCOM Apprentice Programme (NAP), Validity One Year.
5	Institutional	Indian Society for Technical Education ISTE	Institute	23/8/2016	Over all Development of Technical Skill and knowledge
6	Institutional	Institution of Engineer (India)	Institute	11/7/2016	Over all Development of Technical Skill and knowledge
7	Institutional	INFOSYS	Industry	3/5/2016	Under Campus Connect Programme for enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and management of the college.
8	Institutional	Geetanjali Solar Enterprise	Industry	9/7/2015	Technology Incubation (AIC)
9	CSE	Induji Technologies Private Limited	Industry	28/07/2017	Collaborate with industry for student internship, student training, R&D, knowledge exchange.
10	AEIE	Prolific Systems and Technologies Pvt. Ltd.	Industry	24/8/2017	Enhance knowledge, research activities and professional skills towards the modern technologies and recent trends in the field of automation.

11	FT	Vedaant Agro Biotech Limited (VABL)	Industry	3/8/2017	Collaborations in Academic Developments, Industry Projects and student internships, R&D, Entrepreneurship Development
12	EE	Electromech & Trans tech Pvt. Ltd.	Industry	29/06/2017	The objective of this MOU between Department of Electrical Engineering Dept, Guru Nanak Institute of Technology and Electromech & Transtech Pvt. Ltd. would be to enhance technical skill of students as well as to provide the development of course curriculum as per current socio economic demand.
13	ECE	SMD Technologies	Industry	19.7.2016	Software Development, Training, and Technical Education (IT & Core Sector) FOR AIC
14	ECE	Smart Management Consultancy	Industry	3/8/2017	Enhancement of technical skill of students as well as to provide the development of course curriculum as per current socioeconomic demand
15	Institutional	IEEE, USA	Academic	13/12/2017	Research and Development
16	ECE	Ardent Computech Pvt Ltd	Industry	16/2/2018	Over all Development of Technical Skill and knowledge
17	ECE	Ogma Tech Lab	Industry	16/3/2018	Over all Development of Technical Skill and knowledge
18	ECE	Jadavpur University	Academic	27/9/2018	Over all Development of Technical Skill and knowledge
19	FT	Department of Food Technology of Bundelkhand University (DFTBU), Jhansi	Academic	6/10/2018	The goal of this MOU is to foster collaborative training, research and other activities to provide advancement in scientific knowledge for the benefit of society by enlarge.
20	FT	Smart Management Consultancy	Industry	3/8/2017	Enhancement of technical skill of students as well as to provide the development of course curriculum as per current socioeconomic demand
21	CSE	Globsyn Knowledge Foundation and 3rd Life	Industry	27/07/2019	To provide student training, student intemship, student placement, R&D activities and knowledge exchange.

Hardware

- SERVER - 6
- DESKTOP -852
- LAPTOP-4
- LCD Projector -13
- Switches - 47
- Firewall And Routers – 1 (Cyberoam 500ing Firewall),
1 (Cisco 2800 router),
1 (CISCO Rv 130 vpn Router)
- Printers -28
- Color laser Printer - 4
- Scanners – 10
- Photocopiers -1
- Video Conferencing Systems-1
- 600+ CCTV Cameras - 138

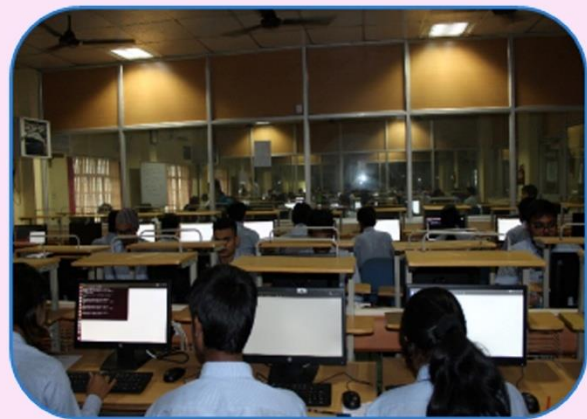
Software

- Licenced Software :-
- Matlab 2013- 15 user(perpetual)
- Tanner v 15.2- 5 user(for Ledit) & 5 user(for Sedit)
- Electronic Device and Service - (1 DVD) –perpetual
- Mentor Software – 1 nos.
- VLSI Universal Trainer Kit – 1 nos
- Orell Pro – 60 Users.
- Autocad 2005-win edu – single user License.
- Engineer Graphics/Drawing(1 DVD) –perpetual
- Basic of Mechanical & Civil - (1 DVD) –perpetual
- Oracle 10.2
- Linux version-20 users (perpetual)
- Photoshop CS6 – 300 points (single license)
- Xiling DVD Kit
- Fundamental of Computing & programming(1 dvd)- perpetual
- Microsoft Server 2003 Standard edition (3 CD) – single user
- My Power – 5 User(perpetual)
- Multisim 13 – 10 users(perpetual)
- Basic of electrical & electronics(1 DVD) - perpetual

- Microsoft volume Licensing Subscriber:- Campus agreement.
- UNIX, Linux, Fedora, Microsoft OS, MAC OS :- Unix 14/16, Linux , Windows 7/8/10, Server 2016.
- Easylib for Library.with EPAC tool: - Library Management System used by web based package.
- MHRD supported QEEE System based on A-View : sometimes we used when required.

Services

- WiFi Bandwidth –
- 20 Mbps from Reliance JIO.
- 20 Mbps Average from campus Infrastructure from 50 Mbps Railtel, 50 Mbps Alliance Broadband Lease Line Connection.
- 1 Gbps CAT6 Intranet – connected
- Central Computing Facilities: yes
- MHRD's QEEE Infrastructure :
- Microsoft Exchange mail server: managed by Hash Technologies
- WiFi Facility throught the campus: yes
- Website hosting all university Details: managed by Hash Technologies



**GURU NANAK
INSTITUTE of
TECHNOLOGY**

**DEPARTMENT
OF
COMPUTER
SCIENCE
AND
ENGINEERING**

**Annual Report
2018-19**

Vision of the department

The Vision of the department is to produce proficient graduates suitable for industries and competent for international level including research and development with Social responsibility

Mission of the department

- Providing learner-centric Teaching-learning process in excellent infrastructure for making the graduates industry ready with social ethics
- Imparting technical education which enhances Independent thinking, vast domain of knowledge, problem solving skill and optimistic attitudes towards holistic growth of young minds to serve the nation worldwide
- Strengthening the academic and research sphere of Computer Science domain, the organization makes a journey towards the Centre of Excellence

PEO

- Graduates of CSE Program will establish themselves as effective professionals by solving real world complex problems through computer science engineering knowledge, analysis and designing techniques
- Graduates of CSE Program will be able to enhance the thinking ability and effective communication, managerial, innovative problem-solving skills to act as a leader in the society
- Graduates of CSE Program must acquaint themselves to the rapidly changing sustainable environment by applying modern technologies and lifelong learning
- Graduates of CSE Program must be able to serve the nation as a team maintaining professional ethics to exhibit good competency in their professional environment

PO

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Programme Specific Outcomes (PSOs)

PSO1: To accustom themselves to the rapidly changing sustainable environment by applying their fundamental concepts and methodology of computer systems in terms of software and hardware.

PSO2: To apply fundamental concepts and methodology of computer systems to establish themselves as the successful entrepreneur.

PSO3: To establish themselves as the software developer and innovator by understanding the software development lifecycle and methodologies of software systems.

Brief overview of the department

The Department of Computer Science and Engineering was established in the year 2003 and provides a comprehensive research environment complemented by excellence in teaching. The Department has a number of qualified teachers who encourage the students to get engaged in several extra-curricular and co-curricular activities for them to be successful engineers. The Department of Computer Science and Engineering aims to bring up students as engineers; helping them to build, strong technical acumen, and harness their skills and talents through several cutting-edge technologies and state-of-the-art techniques. The Department also keeps focus on research and development activities and foster innovative. The department focus on holistic development of the students through extra-curricular and co-curricular activities. In addition to escalating technical manpower, the Department also publishes periodically several newsletter and magazines to inculcate creative ventures.

Courses Offered:

4 years B.Tech and 2 years MTech in Computer Science and Engineering

CORE STRENGTH:

Computers being used in almost every aspect of life: Automobile Engines, Electronic Devices, Microwave Ovens, Telephones, Medical Diagnostic Equipment, Commercial Aircraft, and Orbital Satellites that deliver cable signals around the world, this area of specialization is one of the fastest growing segments of industry and changing areas of technology. Engineering graduates with degrees in Computer Science and Engineering might find themselves in a variety of environments –Academia and Research (pursuing M.Tech or Phd.), Software Industry (Companies like IBM, TCS, CTS, Capgemini, Tech Mahindra, ITC Infotech), Government Organizations (like DRDO, ISRO, BHEL, BAARC), and PSU (like SAIL, ONGC, Indian Oil, SBI).

The department is a life institutional member of ISCTE and Institute of Engineers (India).



HOD's picture (Mrs. Ipsita Saha)



HOD's message :

Computer Science & Engineering department has been in the forefront of imparting quality education to the students. The success of the Department is amply reflected in the outstanding achievements of the students employed both abroad and within the country. Every success is due to the contribution of the well-qualified and dedicated faculty motivating the efforts of the students to reach the top. In addition to the curriculum, our department conducts regular value added course and soft skill programs to meet the ever changing needs of employability. This helps the highly motivated students to understand the dynamics of the industry and to upgrade their skills for higher studies. This Department of GNIT was established in the year 2003 and offers disciplines like B. Tech (CSE) and M. Tech (CSE) by a number of qualified faculty and technical members who engage the students in innovative teaching-learning process to provide a comprehensive research environment complemented. The Department is constantly evolving towards greater heights to serve the needs of the society and meet the aspirations of the student community.

Departmental achievements

a. Student's achievements

- CSE Students Deepesh Basu Chowdhury, Jishnu Mondal, Yogesh Singh, Selected to present the project titled "IoT based Microcontroller Operated Crop Recommender" in Regional round of 2nd AICTE Chhatra Vishwakarma Awards – 2018.
- CSE Students Rahul Ghosh, Ranadeep Basak, Partha Pratim Dey, Utattha Banerjee, and Yogesh Singh, submitted the project titled "I- traffic" in NITI AYOOG.
- Rahul Ghosh, Ranadeep Basak, Partha Pratim Dey, Utattha Banerjee, Yogesh Singh 3rd year students submitted the project titled "Parkin" in NITI AYOOG.



CSE Students Srotoswini Chandra, and Dhiren Lalwani selected in top list to compete in regional round of international coding competition ICPC, Final 2018



CSE Students Group BYTE ME UP- Saswata Mukhopadhyay, Supriyo Das, Sandipan Sen, Sinjana Saha, Stood First in Smart India Hackathon'19 held at C. V. Raman College of Engineering, Bhubaneswar.



Group of CSE Students WE LOVE FOOD- Aditya Giri, Yogesh Singh, Amanveer Singh, Suryaruchi Samaddar selected in Smart India Hackathon Grand Finale at NIT, Calicut to be held on 2nd and 3rd March, 2019

- Niladri Chattopadhyay, Sourav Basak, Tamoghna Singha, Subhajit ghosh, Suman roy choudhury students of 3rd year CSE won the 1st prize for the event Tug Of War in annual students' sports at GNIT.
- Diganta Das from 2nd year won 2nd runner up in codeplay event at st. Xaviers College's techfest 19-2-2019.
- Anirban Chatterjee from 2nd year published book 'Udayan' at Kolkata Book Fair.
- Niladri Chattopadhyay student of 3rd year CSE participated in the Tech Fest of IIT KGP, won the 3rd prize for the event Line Follower.
- Snigdha Mazumdar student of 2nd year CSE stood 2nd in the slogan competition.
- Subhaditya Saha 2nd year CSE stood 2nd in the singing competition in R.G.Kar Medical Hospital.
- Srotoswini Chandra, Sukanya Rakshit, Subham Banerjee Got 2nd Prize at FOSET for presenting paper.
- Aditya Giri, Amanveer Singh, 3rd year CSE, is Winner of Debate Competition in Tesseract 2019.
- Susmita Goswami of 2nd year won the Championship in University Chess Tournament 2019 of MAKAUT held at Haringhata Campus on 23 April 2019.
- Balraj Singh Nagee, CSE Final Year obtained Elite Medal in "Programming in C++" in NPTEL in the year of 2019.
- Akash Bose, CSE Final Year obtained Elite Medal in "Programming in C++" securing topper of 5% in NPTEL in the year of 2019.
- Sourav Sen, CSE Final Year obtained Elite Medal in "Introduction to Programming in C" in NPTEL in the year of 2019.
- Tapanova Khanra, CSE Final Year obtained Elite Medal in "Introduction to Programming in C" in NPTEL in the year of 2019.

- Susantika Maity, CSE Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in the year of 2019.
- Jacky Kumar Shaw, CSE Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in the year of 2019.
- Jacky Kumar Shaw, CSE Final Year obtained Elite Medal in “Data Base Management Systems” securing topper of 5% in NPTEL in the year of 2019.



Group of CSE students, Poulomi kumar, Prothit Das, Sandip kumar karmakar, Rinki Dutta, Suman Roy Choudhury (Team psr rock) STOOD 2nd in Techinnova 2019-Arduino based competition .

- Jacky Kumar Shaw, CSE Final Year obtained Elite Medal in “Data Base Management Systems” securing topper of 5% in NPTEL in the year of 2019.
- Jacky Kumar Shaw, CSE Final Year obtained Elite Medal in “Design and Analysis of Algorithms” securing topper of 5% in NPTEL in the year of 2019.
- Deeptesh Basak, CSE Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in the year of 2019.
- Subham Banerjee, CSE Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in the year of 2019.
- Stuti Chokhani, CSE Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in the year of 2019.
- Argha De, CSE Final Year obtained Elite Medal in “Data Base Management Systems” securing topper of 5% in NPTEL in the year of 2019.
- Dibas Das, CSE Final Year obtained Elite Medal in “Software Engineering” securing topper of 5% in NPTEL in the year of 2019.
- KAUSTAV DAS, CSE Final Year obtained Elite Medal in “Data Base Management Systems” in the year of 2019.
- Adrija Saha, CSE Final Year obtained Elite Medal in “Data Base Management Systems” in the year of 2019.
- AKASH GUPTA, CSE Final Year obtained Elite Medal in “Introduction to R Software” in the year of 2019.
- Surajit Das, CSE Final Year obtained Elite Medal in “Cloud Computing” in the year of 2019.
- Shiladitya Saha, CSE Final Year obtained Elite Medal in “Cloud Computing” in the year of 2019.
- Pritam Saha, CSE Pre-Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in the year of 2019.
- Pritam Saha, CSE Pre-Final Year obtained Elite Medal in “Programming in C++” securing topper of 5% in NPTEL in NPTEL in the year of 2019.
- Pritam Saha, CSE Pre-Final Year obtained Elite+Gold Medal in “Problem Solving through Programming in C” securing topper of 1% in NPTEL in the year of 2019.
- Anikesh Sinha, CSE Pre-Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in the year of 2019.
- Indrajeet Singh, CSE Pre-Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in the year of 2019.

- Anish Maity, CSE Pre-Final Year obtained Elite Medal in “The Joy of Computing using Python” in the year of 2019.
- Bikash Kumar Singh, CSE Pre-Final Year obtained Elite Medal in “Data Base Management Systems” in the year of 2019.
- Anwesha Chowdhury, CSE Pre-Final Year obtained Elite Medal in “Programming, Data Structures and Algorithms using Python” in NPTEL in 2018.
- Anwesha Chowdhury, CSE, Pre-Final Year student was selected as the Student Coordinator of MHRD Innovation Cell- Institution Innovation Cell(GNIT) in 2019.

b. Faculty’s achievements

- Mrs.Ipsita Saha (HOD, CSE) won ICONSWM-Springer Excellence Paper Award 2018 in 8th International Conference on Sustainable Waste Management.
- Mrs.Ipsita Saha (HOD, CSE) selected as programme committee member of National Symposium & Workshop On “E-WASTE MANAGEMENT” was held on January 11-12, 2019 at Global Academy Of Technology, Bangalore.
- Mrs.Ipsita Saha (HOD, CSE) selected as Member of National Symposium on Sustainable Waste Management (NSSWM-2019) to be held at IEM on 20th April, 2019 .
- Mrs.Ipsita Saha (HOD, CSE) published a Patent with Title ” A System for Aligning the Genomic Sequences”, Application No: 201831009701 A.
- Mr. Sourish Mitra published a Patent with Title” Solar Operated Micocontroller Based Automated Cricket Pitch Solar Flatter Machine”, Application No: 201831009700 A.
- Mr. Moloy Dhar published a Patent with Title “A System for DNA Sequence Alignment”, Application No: 201831009702 A
- Mr Moloy Dhar assistant professor of CSE Department got 2nd prize at FOSET for presenting paper.

10. Departmental events(for e.g., Industry visit, Industry mentor meet, BOS meeting pic, seminar, conference work, PTM, sports, wall magazine, newsletter and others)

a. Organized

- 30 Hours Workshop on C, C++ ,Unix has organized by CSE Department in all CSE Lab from 2nd - 13th July ,2018.
- Department of Computer Science and Engineering in association with Institute of Academic Excellence organized an Interactive Session on GATE Course, Campus Recruitment Process and General Awareness Questions on 8th August, 2018.
- 30 Hours Workshop on Python with Machine Learning has organized by CSE Department in collaboration with Ardent Computech Pvt. Ltd.from 9th- 18th August ,2018.
- Workshop on “Effectiveness of Membership under different chapter” (Under IE Chapter) organized by CSE Department on 10th August,2018.
- Department of CSE, GNIT organized an Industrial Visit to the Webskitters Technology Solutions Pvt. Ltd., Salt Lake ,Sector V, Kolkata 91 on 9th October, 2018.
- Department of CSE, GNIT organized an Industrial Visit to the Webskitters Technology Solutions Pvt. Ltd., Salt Lake ,Sector V, Kolkata 91 on 17th April, 2019.
- Department of CSE, GNIT organized an Industrial Visit to the Globsyn 3rd.Life Pvt. Ltd. Salt Lake ,Sector V, Kolkata 91 on 17th April, 2019 on 18th April, 2019.

Department of Computer Science & Engineering Organized FDP on “Android Apps Development”

Advisors:

Dr. Annapurna Das, Director, GNIT
Dr. Sisir Kumar Das, Dean, GNIT

Chairman:

Dr. Santanu Kumar Sen, Principal, GNIT

Convener:

Ms. Sraboni kundu, Asst. Prof. & TIC, Dept. of CSE

Coordinator:

Mr. Nirupam Saha, Asst. Prof., Dept. of CSE

Organizing Committee:

Mr. Rafiqul Islam, Asst. Prof., Dept. of CSE
Mr. Moloy Dhar, Asst. Prof., Dept. of CSE
Mr. Sourish Mitra, Asst. Prof., Dept. of CSE
Mr. Krishnendu Choudhury, JTA, Dept. of CSE
Mr. Suraj Choudhary, 4TH Year CSE Student
Ms. Ritika Mondal, 3RD Year CSE Student
Mr. Rajarshi Saha, 2ND Year CSE Student

Contacts:

Mr. Nirupam Saha,
Asst. Prof., Dept. of CSE
Email ID: nirupam.saha@gnit.ac.in
Mobile No: 3062659358

Ms. Ritika Mondal 3RD Year CSE Student
Email ID: rtzz2507@gmail.com
Mobile: (+91) 9051360193



ONE WEEK FACULTY DEVELOPMENT PROGRAM ON ANDROID APPS DEVELOPMENT

On
26.12.18 to 31.12.18

—Organized by—

**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

GURUNANAK INSTITUTE OF TECHNOLOGY
157/F, NILGANJ ROAD, PANIHATI, SODEPUR, KOLKATA-700114

Department of Computer Science & Engineering Organized FDP on “Android Apps Development”

Advisors:

Dr. Annapurna Das, Director, GNIT
Dr. Sisir Kumar Das, Dean, GNIT

Chairman:

Dr. Santanu Kumar Sen, Principal, GNIT

Convener:

Ms. Sraboni kundu, Asst. Prof. & TIC, Dept. of CSE

Coordinator:

Mr. Nirupam Saha, Asst. Prof., Dept. of CSE

Organizing Committee:

Mr. Rafiqul Islam, Asst. Prof., Dept. of CSE
Mr. Moloy Dhar, Asst. Prof., Dept. of CSE
Mr. Sourish Mitra, Asst. Prof., Dept. of CSE
Mr. Krishnendu Choudhury, JTA, Dept. of CSE
Mr. Suraj Choudhary, 3rd Year CSE Student
Ms. Ritika Mondal, 2nd Year CSE Student
Mr. Rajarshi Saha, 1st Year CSE Student

Contacts:

Mr. Nirupam Saha,
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Email ID: Nirupam.saha@gnit.ac.in
Mobile No: 3062659358

Ms. Ritika Mondal
2nd Year CSE Student
Email ID: rtzz2507@gmail.com
Mobile: (+91) 9051360193



ONE WEEK FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING

ON
24.6.19 to 28.6.19

—Organized by—

**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

GURUNANAK INSTITUTE OF TECHNOLOGY
157/F, NILGANJ ROAD, PANIHATI, SODEPUR, KOLKATA-700114



CSE Department published the Departmental wall magazine on 3rd October 2018.



Department of CSE, GNIT organized an Industrial mentor meet on 4th August, 2018, where Mr. Sandeep Sengupta from Indian school of Ethical hacking delivered lecture.

- Department of CSE has organized a 30 Hours Workshop on Android and Arduino in collaboration with Orgama Tech Lab & Ardent Computech Pvt. Ltd from 21st August-4th September, 2018 where Mr. Kaustav Madhab Chatterjee, Mr. Indrajit Bhaskar, Mr. Shouvik Sarkar, Mr. Amar Banerjee and Mousumi Majumder, Senior Faculties of Orgama Tech Lab & Ardent Computech Pvt. Ltd delivered lectures.
- “Talk by Distinguished Alumni and Talk by Entrepreneur” as a part of 1st year orientation program organized by CSE Department on 11th August, 2018 where Alumni of CSE Mr. Sayan Paul (Currently working as SAP Materials Management Consultant in Tata Consultancy Services (TCS)) Mr. Vikram Kumar (The co-founder/resident tech guru of ODRways) delivered lecture.



The Department of Computer Science & Engineering organized an interactive Session on “Recent Technology and its Application in IT Industry” was facilitated by Mr. Indranil Roychowdhury, Senior Manager, Cognizant Technology solutions, and Industry Adjunct Faculty on 8th August, 2019.

An interactive talk on “Smart Ways to Handle Technical Interviews” organized by CSE Department on 10th April, 2019 where Mr. Indranil Roy Chowdhury, Senior Manager, Cognizant Technology discussed about different technique.

Department of Computer Science and Engineering has organized one day seminar on 'Cyber Crime' in association with Indian Cyber Security Solutions, on 2nd February 2019.

- Mr. SourishMitra, Assistant Professor of CSE Dept, organized A 30 Hours Hands-on training on PHP, MySQL from 14th -18th January,2019.
- A Seminar on MongoDB organized by CSE Department on 27th march, 2019 where Mr. Sayantan chakraborty a Microsoft Certified Trainee delivered lecture.
- CSE Department organized a seminar on “Blockchain and its recent trends in IT” on 28th March ,2019.
- A Seminar on Data Science with Python & R-programming organized by CSE Department on 25th April , 2019 where Md. T. Haque delivered lecture.

b. Participated

i. faculty & staff

- Dr. Sangeeta Bhattacharya, Assistant Professor, CSE Dept., GNIT participated in a Faculty Development Programme on “Internet of Things” from 04.07.2018 to 08.07.2018.
- Dr. SayantanNath, Dr. Sangeeta Bhattacharya, Mr. SourishMitra, Mrs. Sinthia Roy, Assistant Professors, CSE Dept., GNIT and Mr. SinchanMazumdar, System Administrator of GNIT participated in the training on Analyst Application Security from 09.07.2018 to 13.07.2018.
- Mrs. SrabaniKundu, Mrs. IpsitaSaha, Mrs. Sayani Chandra, Mrs. Pallabi Das and Mrs. BidyutmalaSaha, Assistant Professors, CSE Dept., GNIT participated in the training on Outcome Based Education and Process of Accreditation from 09.07.2018 to 18.07.2018.
- Mrs. IpsitaSaha, HOD, CSE Dept., GNIT attended the 8th International Conference on Solid Waste Management at AchharyyaNagarjuna University, Vijaywada from 22.11.2018 to 24.11.2018.
- Dr. SayantanNath, Assistant Professor, CSE Dept., GNIT attended the NASSCOM CIO meet at Salt Lake on 20.11.2018.
- Mrs. IpsitaSaha, HOD, CSE Dept., GNIT and Mr. MoloyDhar, Assistant Professor, CSE Dept., GNIT attended a Training cum awareness program for Science Direct and Scopus on 16.11.2018.
- Mrs. BidyutmalaSaha, Mrs. Sayani Chandra, Mrs. Pallabi Das, Mrs. SrabaniKundua and Mrs. IpsitaSaha, Assistant Professors, CSE Dept., GNIT participated in the workshop on Outcome based Education from 19.06.2018 to 21.06.2018.
- Mr. NirupamSaha and Mrs. IpsitaSaha, Assistant Professors, CSE Dept., GNIT attended Education Promotion Society for India APAI National Conference on Indian Higher Education Quality Assurance Education on 30.09.18.
- IpsitaSaha, HOD, CSE Dept., GNIT attended Pre-Conference meeting at KIIT, Bhubaneswar from 28.01.2019 to 31.01.2019.
- NirupamSaha, Assistant Professor, CSE Dept., GNIT attended a FDP in Computer Science from 15.01.2019 to 19.01.2019.
- SinchanMazumder, System Administrator of GNIT attended a workshop on Examination Reformation on 24.01.2019.
- Mr. AmrutRanjan Jena, Assistant Professor, CSE Dept., GNIT attended Globalized Education Forum by Indian Chamber of Commerce on 09.02.2019.
- Mr. AmrutRanjan Jena, Assistant Professor, CSE Dept., GNIT attended Indian Education Expo Trade Fair from 08.02.2019 to 10.02.2019.
- All faculties of CSE Dept., GNIT attended a seminar on High Performance Work Practices, Innovation & Cross Cultural Research/Balancing Research, and Teaching & Service on 07.03.2019.
- IpsitaSaha, HOD, CSE Dept., GNIT attended a talk on Digital Pedagogies at JIS University 04.04.2019.
- IpsitaSaha, HOD, CSE Dept., GNIT attended a meeting regarding M.Tech and PhD program at Narula Institute of Technology on 10.04.2019.

- IpsitaSaha, HOD, CSE Dept., GNIT attended a National Symposium on Sustainable Waste Management(NSSWM-2019) at IEM on 20.04.2019.
- MandiraBanik, Rafiqul Islam, Assistant Professors, CSE Dept., GNIT and Sutapa Sarkar, Junior Technical Assistant, CSE Dept., GNIT attended Industry Visit to Webskitters to guide 2ndyear students of CSE Dept., GNIT on 17.04.2019.
- NirupamSaha, MoloyDhar, Assistant Professors, CSE Dept., GNIT and Krishnendu Chowdhury, Junior Technical Assistant, CSE Dept., GNIT attended Industry Visit to 3rd Life to guide 2nd year students of CSE Dept., GNIT on 18.04.2019.

11. Publication

Faculty Publication (July,2018-June,2019)

Academ ic Year	Dept	Journal	Seminar/Conferen ce	Total
2018-19	CSE	6	9	15

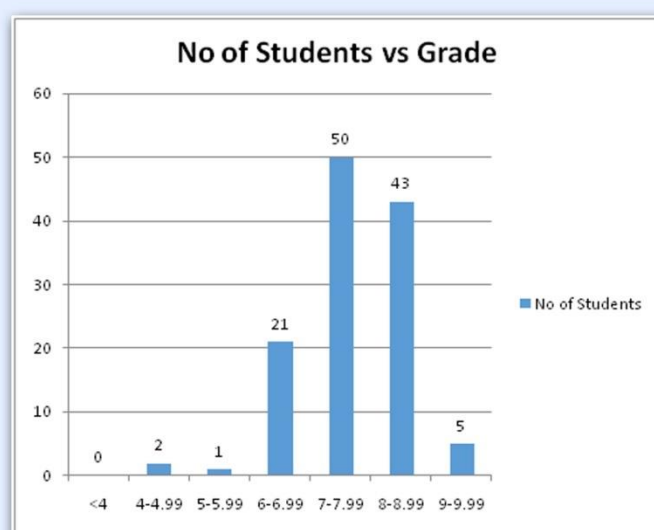
Student Publication (July, 2018-June, 2019)

Academ ic Year	Dept	Joumal	Seminar/Conferen ce	Total
2018-19	CSE	6	6	12

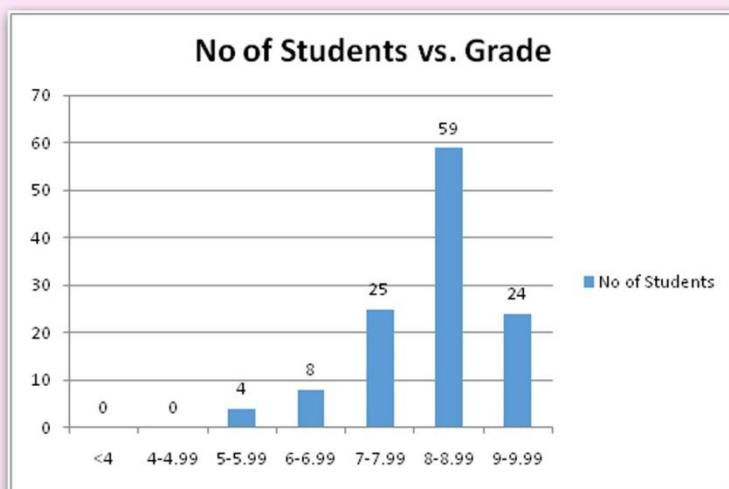
12. Result (Bar chart)

YGPA WISE RESULT ANALYSIS (CSE) AY 2018-19

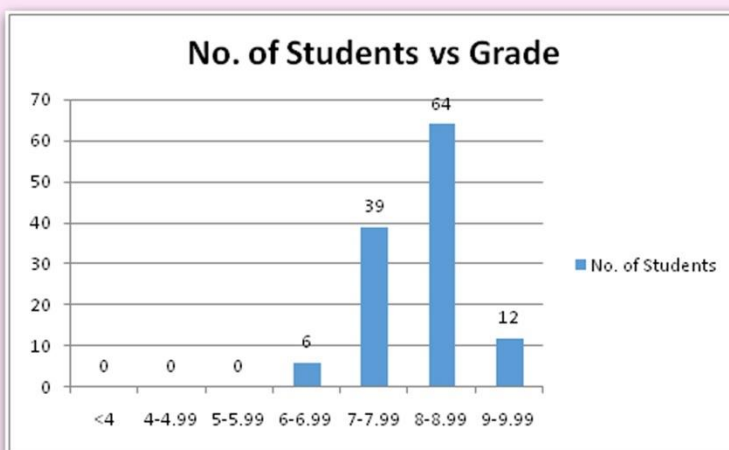
YGPA-wise Result Analysis (CSE 2ND YEAR)



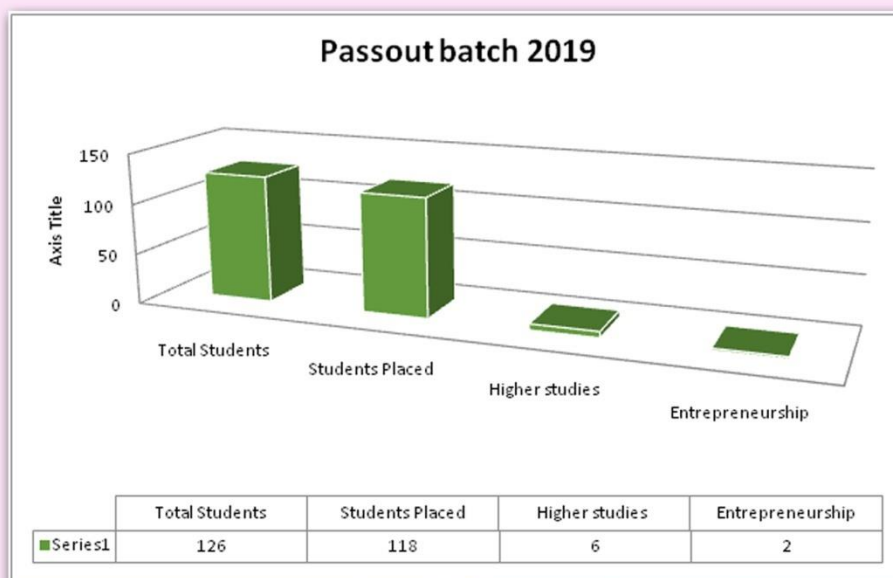
YGPA-wise Result Analysis (CSE 3RD YEAR)



YGPA-wise Result Analysis (CSE 4TH YEAR)



13. Placement and higher studies (Bar chart)



**GURU NANAK
INSTITUTE of
TECHNOLOGY**

**DEPARTMENT
OF
ELECTRONICS
AND
COMMUNICATION
ENGINEERING**

**Annual Report
2018-19**

Mission of the department:

- 1.To educate our graduate engineers, to develop and deliver Quality academic programmes in emerging and innovative field of engineering to empower the undergraduate engineering students to meet Industry Standards.
- 2.To empower practicing engineers with the state of the art technology to meet the growing challenges of the industry and society.
- 3.To carry out high quality research through constant interaction with research organizations and industry.

Vision of the department:

Impart quality education to create world class technocrats and entrepreneurs with new ideas and innovations to meet industry expectations through advanced research.

PEO:

PEO I: Graduates of ECE program will be able to understand the concept of core electronics subjects to embed a strong foundation in the engineering fundamentals to solve, analyze and design real time engineering products.

PEO II: Graduates of ECE program expose themselves to emerging edge technologies, adequate training and opportunities to work as team on multidisciplinary projects with effective communication skills and leadership qualities.

PEO III: Graduates of ECE program must have interdisciplinary learning capabilities that help themselves to opt for better career by acquiring higher education.

PEO IV: Graduates of ECE program will be able to learn and innovate in ever changing global economic and technological environment maintaining professional discipline and high ethical standard.

PSO:

PSO 1: The ability to absorb and apply fundamental knowledge of core Electronics and Communication Engineering subjects in the analysis, design, and development of various types of integrated electronic systems as well as to interpret and synthesize the experimental data leading to valid conclusions.

PSO II: Competence in using electronic modern IT tools (both software and hardware) for the design and analysis of complex electronic systems in furtherance to research activities. Identify indigenous materials and methods for producing high quality, compact, energy efficient, eco friendly entertainment and consumer goods at affordable price.

PSO III: Excellent adaptability to changing work environment, good interpersonal skills as a leader in a team in appreciation of professional ethics and societal responsibilities.

PO:

PO 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Brief overview of the department:

The Electronics and Communications Department commenced in the year 2003 and now runs one undergraduate, one postgraduate program (M. Tech in Communication), Ph. D. program under JIS University/MAKAUT and also one 3 years diploma program affiliated by WBSCTE. The programs offered by the department are the most sought after branch in Engineering by top WBJEE rank holders and other aspirants from across the country. All the programs are accredited by NAAC the undergraduate program is accredited by National Board of Accreditation (NBA) which is compulsorily outcome based, planned to meet the Industry needs and also Research organization. The program contents are upgraded on annual basis with involvement from industry experts, academia and reputed research institutions.

Experienced faculty members all of whom are engineering postgraduates and most of them with PhDs as well, support three core specializations (VLSI & Microelectronics, Communication, Image processing & Embedded system) in the Department. The curriculum includes a strong self-study component and mini projects at all levels so as to develop the students' independent analytical abilities. Opportunity for innovation and incubation is provided at this stage to successful projects by the institute for industrial standards. The department offers financial support to its young faculty for cutting edge research and also encourages them to undertake sponsored research from industry and government agencies. Presently several projects sponsored by UGC, AICTE are under way in the department. Also, department provides healthy environment to students and faculties to carry out inter department collaborative research in area like robotics, human computer interface, SMART sensor etc. Software Simulation environment (MATLAB, Ansoft HFSS, ORIGIN Tanner EDA Tools, FPGA, Intellisuite, COMSOL, VISSIM etc.) and state of the art are available. Having undergone such a robust academic program under the supervision of highest quality faculty members, all passing out students of the department are capable of envisage, planning and developing big projects of commercial and research interests in their respective field of expertise. We strive to train and empower our students who will make the world a better place by using power of engineering principles, techniques and systems. Welcome to our Department!

HOD's picture



HOD's message:

Dr. Sunipa Roy – Being the HOD of Electronics and Communication Engineering department, I am pleased to convey my opinion about the departmental development which offers four years full time B-TECH program in ECE since 2003. The course is accredited by NBA. The average passing result is excellent in the department. Almost 10-15% students scored above 9 DGPA. Apart from this we are running P.G. Programs, M-TECH in Electronics & Communication Engineering (MCNT) since 2009. The department of ECE offers premier professional technical training that keeps in pace with the latest developments in the field of Electronics and Communication Engineering. Some of the Faculty members of this department went to attend International Conferences in abroad. The department organized so many International & National Educational Programs (i.e. IEEE sponsored Seminars, international conference- published in IEEE Xplore Digital Library, Faculty Development Programs and one day educational Industrial visit). There are so many events like Paper presentation, Poster presentation, Technical Quiz contest, Technical Report writing Contest & Technical Workshop. There are more than 100 publications are done by the faculty & students in National & International Journals & Conferences. Furthermore six UGC projects, one MODROB are completed in last few years with consultancy. Many of our Alumni are settled in abroad and also many of the students are placed in so many reputed Govt sectors and Private Sectors Company and Research Organizations. There is also separate Departmental Library in the ECE department. There are so many high valued simulation software are present in our department like Tanner SPICE, Mentor Graphics, Matlab 2014b, TCAD, HFSS, Qualnet, COMSOL Multiphysics, Intellisuite, TMS Kit with Code Coposer Studio etc. We have also Project lab in our department.

Departmental achievements

a. Student's achievements:

Academic Achievements

Sl No	Name of Student	Current Semester	YGPA score (last odd and even of 2017)
1	Agniva Dutta	8 th - ECE 1	9.54
2	Supriyo Pal Chowdhury	8 th - ECE 2	9.06
3	Ayushi Bhawal	6 th - ECE1	9.82
4	Sayantani Dawn -	6 th -ECE2	9.50
5	Pratip Chakraborty	4 th - ECE1	9.65
6	Sanchari Saha	4 th - ECE2	9.69
7	Soham Chakraborty	4 th - DETCE	8.3
8	Deboshree Ghosh	6 th - DETCE	8.6

Cultural, Sports, External Projects, Research, etc

Sl No	Name of Student	Achievement Description	Month and Year of achievement
01.	Subham Debnath	• "Football Champion" in ADAMAS University	July 2018
02.	Debapama Dasgupta	• "Dance Performance" Performed at Calcutta National Medical College	July 2018
03.	Shubham Singha	• "Fashion Show" at Dr.Sudhir Chandra Sur Engineering College -1 st Prize • "Fashion Show", JIS University • "Fashion Show" Performed at Medical College,Kolkata • "Modelling" Selected as model in "Fface" • Fashion Walk Won "best dress" award • "Mr.Personalita At "agon"Calcutta National Medical College	September 2018
04.	Subir Dey Sarkar	• Top performer in coding test organized by CoCubes . • Top performer in Analytical Reasoning Test organized by CoCubes. • Top performer in Quantitative Aptitude Test organized by CoCubes	September 2018
05.	Abhishek Shaw	• Top performer in Quantitative Aptitude Test organized by CoCubes	September 2018
06.	Twinkle Chakladar	• Top performer in WET organized by CoCubes	September 2018
07.	Chanakya Misra	• Top performer in WET organized by CoCubes	September 2018
08.	Oindrella Ghatak Hrithika Saha Debolina	• Project Model submission for Chatra Viswakarma Award 2018 by	September 2018

Sl No	Name of Student	Achievement Description	Month and Year of achievement
09.	Rajib Banik Pronoy Makhhal	• Project Model submission for Chatra Viswakarma Award 2018 by AICTE,Delhi	September 2018
10.	Rajib Banik Pronoy Makhhal	• Model Display Competition at Meghnad Saha Smarak Bigyan Mela by JIS Group	November, 2018
11.	Nilesh Singh Himayan Singha	• Model Display Competition at CII ICT East 2018.	September 2018
12.	Mr. Debjit Rakshit and Mr. Aniket Bandopadhyay	• Highly appreciated in MODEL DISPLAY competition in Adamas university .	January 19
13.	Chandrima Shyam	• 1 st prize in Rabindrik Dance at Chhatra Yuva Utsav . • "Dance Visharad" Prize winner in Dance Contest at Pracheen Kala Kendra, Chandigarh.	February, 2019
14.	Mr. Debjit Rakshit and Mr. Aniket Bandopadhyay	• Prize winner in Model display in Kolkata International Book Fair. • Present MODEL DISPLAY in CII Innovation Club	February 2019
15.	Agniv Sen & Suvam Singha	• Selected for final round at "ADRIJA - FASHION WALK"	February, 2019
16.	Pradipta Banerjee	• Perform Dance at Biswa Bangla Dance competition.	February 2019
17.	Nikhil Agarwal	• Participated coding competition "code war" at NIT	February 2019

Sl No	Name of Student	Achievement Description	Month and Year of achievement
18.	Oindrila Ghatak, Hritika Saha, Paromita Bhowmik, Debolina Dutta	• 1 ST Prize Winners at FOSET 2019 under the guidance of Dr. Sunipa Roy	March 2019
19.	Aprajita Bhagat, Abhishek Shaw, Arijet Saha	• 2 ND Prize Winners at FOSET 2019 under the guidance of Mr. Koushik Pal .	March 2019
20.	Sourav Bachar, Sampuma Mukherjee,	• Paper presented in national conference FOSET 2019 under the guidance of Mr. Koushik Pal.	March 2019
21.	Suvam Das Satyakee Das	• projects selected in CII Organized Conference titled INNOVATION 2019 at ITC Sonar on "RFID Tag Security System"	March 2019
22.	Debjit Rakshit Aniket Bandopadhyay	• projects selected in CII Organized Conference titled INNOVATION 2019 at ITC Sonar on LASER Based Communication System .	March 2019
23.	Suvam Chakraborty, Sayansri Ghosh, Rimona Dutta and Sayan Chowdhury	• 2 nd prize winner in Technnova held at GNIT	March 2019
24.	Mainak Karmakar, Manjush Khanra, Rahul Banik, Atanu Kumar Bag, Ankan Das, Ayan Majhi	• PROJECT submit on "Smart Dustbin" at Technnova, 2019	March, 2019
25.	Nikhil Agarwal, Gulshan Kumar Jha,	• First Position in Coding Competition at Techfest-2019	March, 2019
26.	Indranil Dey Sarkar, Rajarshi Chatterjee, Pragati Indu, Soumyadeep, Subhadeep Sarkar	• second Position in Short Film at Techfest-2019	March, 2019
27.	Indranil Dey	• Photography-Judges Choice -Kids Section	March, 2019
28.	Pajesh Banerjee, Souryadeep Ghosh, Saunak Chakraborty, Manish Saha, Pritam Kundu	• Participated in Quiz Competition NIT at Technology Quiz, 2019 by BCCI	March, 2019
29.	Atanu Kumar Bag, Ankan Das, Ayan Majhi	• Line Follower -1st runner up in Technophilia, Chapter-3 (2K19) at MIET. • Maze Solver (1st Runner up) in Technophilia, Chapter-3 (2K19) at MIET. • Circuit Pedia (1st Runner up) in Technophilia, Chapter-3 (2K19) at MIET. • Participated in Detect my Fault and Late Blinking in Technophilia, Chapter-3 (2K19) at MIET.	March, 2019
30.	Hridika Saha, Debolina Chatterjee, Paramita Bhowmick	• Paper presented in national conference "PRAYAS 2019" under the guidance of Dr. Sunipa Roy	April 2019
31.	Sourav Bachar, Sampuma Mukherjee,	• Paper presented in national conference "PRAYAS 2019" under the guidance of Mr. Koushik Pal.	April 2019
32.	Gargi Mukhopadhyay Satadru Biswas	• Paper presented in national conference "PRAYAS 2019" under the guidance of Dr. Suparna Biswas • Paper presented in national conference "PRAYAS 2019" under the guidance of Sayan Roy Chaudhuri .	April 2019

Sl No	Name of Student	Achievement Description	Month and Year of achievement
33.	Atanu Kumar Bag, Ankan Das, Ayan Majhi	• Paper selected and presented (only 20 paper selected) for IEEE student contest	April 2019
34.	Kushal Ghosh, Jay Das	• 2 nd Position owner in TECHART MODEL DISPLAY on "Li-Fi Communication"	April 2019
35.	Aniket Bandopadhyay and Debjit Rakshit	• Paper presented in national conference "PRAYAS 2019" under the guidance of Sayan Roy Chaudhuri .	April 2019
36.	Koustava Chakraborty, Ankita Pal,	• Paper presented in national conference "PRAYAS 2019" under the guidance of Surajit Basak	April 2019
37.	Rajat Das, Sohini Saha	• Paper presented in national conference "PRAYAS 2019" under the guidance of Soma Borol.	April 2019
38.	Agniva Dutta,	• 1 st prize winner in Paper presentation in national conference "PRAYAS 2019" under the guidance of Palasri Dhar	April 2019
39.	Mr. Shyam Sundar Nasreen and Mr. Debarghya Nag	• Present model on "Voice Controlled car" TECHART MODEL DISPLAY at EE dept. Of GNIT	April 2019
40.	Ms. Oindrila Ghatak, Ms. Hridika Saha & Ms. Paramita Dutta	• Present model on "Green Power Generation" TECHART MODEL DISPLAY at EE dept. Of GNIT	April 2019
41.	Kushal Ghosh, Jay Das	• Present model on "Li-Fi Communication" TECHART MODEL DISPLAY at EE dept. Of GNIT	April 2019
42.	Arnab Samanta, Adrija Kundu, Anwesha Saha	• Present model on "Third eye" TECHART MODEL DISPLAY at EE dept. Of GNIT	April 2019
43.	Prajesh Banerjee, Manjush Khanra	• Present model on "LDR Based Street Line Controlling System" AT TECHART MODEL DISPLAY at EE dept. Of GNIT	April 2019
44.	Atanu Kumar Bag, Ankan Das, Ayan Majhi	• IEEE CASS TECHNICAL PAPER CONTEST 2019 jointly organized by IEEE CASS Student branch chapter and IEEE CASS kolkata section under the guidance of Mrs Anurima Majumdar.	May 2019
45.	Tanusree Roy, Titas Ghosh, Stuti Ghosh, Srijoni Malakar	• Paper accepted in International Journal for Scientific Research and Development.	May 2019
46.	Joy Das, Kushal Ghosh, Atanu Chowdhury, Arijit Bhukta	• IEEE CASS TECHNICAL PAPER CONTEST 2019 jointly organized by IEEE CASS Student branch chapter and IEEE CASS kolkata section under the guidance of Mrs Anurima Majumdar.	May 2019
47.	Puja Saha, Proloy Mondal, Pritish Manna, Neha Ghosh	• Paper accepted in International Journal for Scientific Research and Development.	May 2019
48.	Mayukh Mitra	• Cleared the CAT Exam, Score: 85.2	

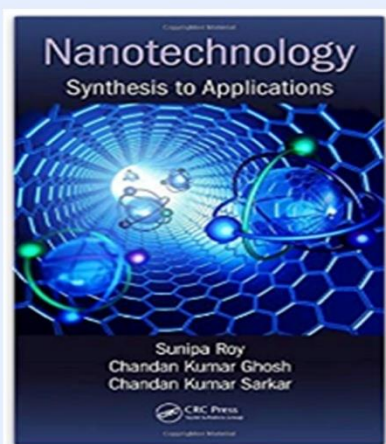
Smart India Hardware Hackathon-2018(Smart Communication) was held at CSIR CEERI, Pilani from 17-22 June, 2018. 5 Students from 4th year of ECE department got selected in the finals from over 1000 teams all over India. Their project was focused on how verbally disabled can communicate with normal people using a specially designed and programmed hand gloves named SIGN-O-GLOVES. They secured 4th rank in the finals and also grabbed the opportunity of internship from the Director of CSIR CEERI Pilani. Team Members: Aman Bose, Kaustav Mandal, Aritro Das, Sohini Saha, Pronay Paul, Rajat Das. They also got featured in various news channels and newspapers including Dooradarshan, Times of India and ZEE news etc.



b. Faculty's achievements:

- ☒ Dr. Sunipa Roy elevated to Senior Member IEEE in August 2019.
- ☒ Dr. Sunipa Roy published a book 'Nanotechnology Synthesis to Application' - CRC Press, USA in the year of 2018.
- ☒ Guru Nanak Institute of Technology is pleased to declare that a MOU signing ceremony was held between JADAVPUR UNIVERSITY and Guru Nanak Institute of Technology on 29th September, 2018 at GNIT, Kolkata. Prof. Subir Kumar Sarkar of ETCE Department, Jadavpur University and Registrar, Jadavpur University represented Jadavpur University for signing the MOU while GNIT was represented by Principal, GNIT, Prof. Santanu K. Sen and HOD, ECE Dept, Dr. Sunipa Roy.
- ☒ Department of Electronics and Communication Engineering has signed the MOU with ARDENT COMPUTECH PVT. LTD. on 16.2.18 in presence of Mr. Indranil Dey Sarkar , Director , Ardent Computech pvt. Ltd for collective efforts on project, training, cross functional research etc.
- ☒ Department of Electronics and Communication Engineering has signed the MOU with OGMA Tech Lab. on 12.3.18 in presence of Mr. Anirban Chatterjee , AGM , OGMA Tech Lab for collective efforts on project, training, cross functional research etc.
- ☒ SMART teacher award – Ms Avali Ghosh cleared second round and gave final presentation on 5th May 2018. Received token of appreciation.
- ☒ Kriti Award 2018– Best mentor award
 - Palasri Dhar & Soma Manna- 3rd yr ECE
 - Antara Ghosal & Sayan Roychaudhuri-3rd yr ECE
 - Anurima Majumdar & Koushik Pal-4th yr ECE
 - Aditi Sengupta & Avali Banerjee- 4th yr ECE
- ☒ Dr. Sunipa Roy worked as JIS group academic auditor (NBA) from GuruNanak Institute of Technology and participated NBA Summit in New Delhi in the year 2019.

- ☒ Dr. Sunipa Roy was Invited Speaker and Session chair, IEEE sponsored International conference at KGEC, Kalyani held on 30.03.2019
- ☒ Dr. Sunipa Roy was Selected as reviewer in “IEEE transaction on Nanotechnology” on 25.03.2019 .
- ☒ Mr. Sayan Roy Chaudhuri was Faculty Coordinator : CII Organized Conference titled INNOVATION 2019
- ☒ Surajit Basak PhD Awarded on 8th April 2019.
- ☒ Avali Banerjee PhD thesis submitted on June 2019.
- ☒ Ms. Avali Ghosh (President) Antara Ghosal jointly organised Samannoy- 2019 Alumni meet (16th February’19) successfully completed.
- ☒ Dr. Sunipa Roy received NPTEL ELITE category in ELECTRON DEVICE FABRICATION SESSION JUL-DEC 2019.
- ☒ Avali Banerjee was the Coordinator of Inauguration of IE(I) student chapter Student chapter code: 700114/GNIT/EC on January 2019.



Book-Nanotechnology
Synthesis to Application



MOU with ARDENT
COMPUTECH PVT. LTD.



Elevation to Senior Member IEEE



MOU with JADAVPUR UNIVERSITY



Kirti Award 2019



JIS Research Excellence
Award 2019

9. Departmental events

(for e.g., Industry visit, Industry mentor meet, BOS meeting pic, seminar, conference work, PTM, sports, wall magazine, newsletter and others)

a. Organized

- ☒ Three day ENTREPRENEURSHIP AWARENESS CAMP (EAC) held between 29-31 August 2018 sponsored by EDII under DST NIMAT Project organized by Guru Nanak Institute of Technology concluded the significance of entrepreneurship and technicalities and strategies to be adopted through exhaustive and enlightening sessions by eminent experts.
- ☒ IEEE sponsored 1st international conference EDCT 2018 was organized under the Convenorship Dr. Sunipa Roy in the period 7-8th March 2018. The event has got tremendous success with 100 publications among which 50 have been uploaded in IEEE Xplore digital library in July 2018. Indexed in SCOPUS.
- ☒ Industry Visit on 2nd Aug, 2018 at Bhagwati Food Private Limited by the 3rd yr Diploma, ETCE.
- ☒ One day Workshop on “Measurement of different parameters of antenna using VNA” was organized by ECE department GNIT dated 14.06.2019.
- ☒ Industry Visit on 27.02.2019 at Indian Oil Corporation Limited, Rajbandh Durgapur by the 3rd yr and 4th yr ECE was organized by Dr. Sunipa Roy , Koushik Pal , Sayan Roy Chaudhuri,.
- ☒ Industry Visit on 28.03.2019 at CDAC, KOLKATA by the M.tech ECE was organized by Dr. Sunipa Roy , Koushik Pal , Dr. Suparna Biswas .



ENTREPRENEURSHIP AWARENESS CAMP



BOS ECE GNIT May 2019



☒ Industry Visit - Bhagwati Food Private Limited by the 3rd yr Diploma, ETCE.



Blood donation Camp

**Department of Electronics & Communication Engineering Organised
Stuff Development Program
on
MS Office**

**Stuff Development Program
On**

MS OFFICE

25th-29th November, 2018

Organized by:

**Institute of Engineers (I)
Student Chapter**



**Department of Electronics &
Communication
Engineering**

Guru Nanak Institute of Technology

GNIT

In collaboration with

ARDENT COMPUTECH PVT LTD



**Guru Nanak Institute of Technology
157/F, Nilgunj Road, Panihati,
Sodepur, Kol 114**

Chief Patron

Mr. Taranjit Singh, MD, JIS Group

Patron

Mr. Simarpreet Singh, Director, JIS Group
Mr. Amandeep Singh, Director, JIS Group

Advisory Committee

Prof. (Dr.) Annapurna Das, Director, GNIT
Prof. (Dr.) Sisir K Das, Dean, GNIT
Prof. (Dr.) Santanu K Sen, Principal, GNIT

Chairperson

Dr. Santanu Kumar Sen, Principal, GNIT

Convenor

Mr. Sudeep Ghosh, Asst. Prof. & TIC, Dept. of IT

Organizing Committee

Mr. Tridib Chakraborty, Asst. Prof., Dept. of IT
Ms. Suparna Karmakar, Asst. Prof., Dept. of IT
Mr. Chowdhury Md. Mizan, Asst. Prof., Dept. of IT
Mr. Prem Sagar Das, JTA, Dept. of IT

Program Schedule

Registration : 10:00 a.m.
Technical Session I : 10:30 a.m. - 1:00 p.m.
Interactive Session : 1:00 p.m.-1:30p.m.
Break : 1:30 p.m.-2:00p.m.
Valedictory Session : 2:00p.m. Onwards

Participants

- Faculty Members
- Technical Staff

Mode of Selection

The filled registration form with self-signature is to be submitted to Registration committee members on the day of seminar. Registration forms are available from the department. Application will be accepted on a first come first serve basis.

No Registration Fee

Time

10:30 a.m. to 1:30p.m.



Contact Person

Ms. Trishita Ghosh
Asst. Professor, Dept. of IT, GNIT Email ID:
trish2921@gmail.com Mobile: (+91)
9933788789

Department of Electronics and Communication Engineering organized FDP on "Artificial Intelligence and Deep Learning"

<p>Five Days Online National Faculty Development Program On</p> <p>"Artificial Intelligence and Deep Learning"</p> <p>ON 17th December, 2018 To 21th December, 2018</p> <p>Organized by Department of Electronics and Communication Engineering Guru Nanak Institute of Technology <i>In Association with</i> IEEE Solid-State Circuits Society, Kolkata Chapter</p> 	 <p>Convener</p> <p>Dr. Sunipa Roy, HOD, ECE Dept., GNIT Dr. Suparna Biswas, Assistant Professor, ECE Dept., GNIT</p> <p>Coordinator</p> <p>Mrs. Palasri Dhar Assistant Professor, ECE Dept., GNIT</p> <p>Contact Info</p> <p>Dr. Sunipa Roy – 9830751850 Dr. Suparna Biswas – 8017432780</p>	<p>Organizing Committee</p> <p>Technical committee</p> <p>Dr. Sunipa Roy, Head, Dept. of ECE Dr. Suparna Biswas, Assistant Professor, Dept. of ECE Mrs. Palasri Dhar, Assistant Professor, Dept. of ECE</p> <p>Registration committee (Attendance)</p> <p>Mrs. Antara Ghosal, Assistant Professor, Dept. of ECE Mr. Koushik Pal, Assistant Professor, Dept. of ECE Mr. Sayan Roy Choudhuri, Assistant Professor, Dept. of ECE Mrs. Sulata Pandit, Technical Assistant, Dept. of ECE Mrs. Dyuti Nandi, Technical Assistant, Dept. of ECE</p> <p>Feedback Committee</p> <p>Mr. Ramkrishna Mondal, Technical Assistant, Dept. of ECE Mr. Amallesh Chandra Ghatak, Technical Assistant, Dept. of ECE Mr. Avijit Deb, Technical Assistant, Dept. of ECE</p> <p>Certificate committee</p> <p>Dr. Soumik Podder, Assistant Professor, Dept. of ECE Dr. Surajit Basak, Assistant Professor, Dept. of ECE Dr. Koushik Roy, Assistant Professor, Dept. of ECE Mrs. Soma Manna, Assistant Professor, Dept. of ECE</p> <p>Media committee</p> <p>Dr. Avali Banerjee, Assistant Professor, Dept. of ECE Mrs. Anurima Majumder, Assistant Professor, Dept. of ECE Mrs. Swagata Bhattacharya, Assistant Professor, Dept. of ECE</p> <p>Advisory committee</p> <p>Prof. Dr. Santanu Kumar Sen, Principal, GNIT Prof. Dr. Arun Kumar Mondal, COE, GNIT Prof. Sekhar Ranjan Bhadra Choudhuri, Dept. of ECE Dr. Kakali Bandyopadhyay, HOD, FT Dept., GNIT</p> <p>Finance Committee</p> <p>Mr. SoumikJash, Accounts, GNIT Mr. Subhankar Bose, Accounts, GNIT Mr. Shantanu Dasgupta, Accounts, GNIT Mrs. Surnana Bhattacharjee, Staff, GNIT</p>
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Department of Electronics and Communication Engineering organized FDP on "Microcontroller Based Embedded System "

<p>Who can attend this: Faculty Member, Research Scholar, and Technical Staff from Engineering Institutes or Engineer from Industries with Computer Science/ Electronics & Comm./ IT/ Electrical/ Computer Application background.</p> <p>Registration Fees: Faculty/ Research Scholar/Technical Staff: Rs. 350/- Industry Person: Rs 500/- Student: Rs. 250/-</p> <p>Participants are requested to pay registration fees by cash only. Registration fees need to be submitted at ECE Department of Guru Nanak Institute of Technology on 20th April, 2019 by 10.30am.</p> <p>**It is to be noted that registration fees includes course materials, use of lab facility, high tea and working lunch. No TA/DA will be paid for attending the course and outstation candidates will have to make their own arrangements. **Spot registration may be accepted subject to prior intimation without any discount.</p> <p>Mode of Selection The scan copy of the filled in registration form signed by office authority affixed with official seal are to be sent to us by 13.4.17. Application will be accepted on a first come first serve basis. Number of participants is limited to 30.</p> <p>Important Dates date for registration: Last date of sending filled up registration form: 13/4/19 Intimation to applicants: 17/4/19</p> <p>Course Venue The course will be held in dept. of ECE, GNIT.</p> <p>Advisory Committee:</p> <ul style="list-style-type: none"> Prof. Annapurna Das, Director, GNIT Prof. Santanu Kumar Sen, Principal, GNIT Prof. Sisir Kumar Das, Dean, GNIT Prof. Arun K. Mondal, Controller, GNIT 	<p>Chair Person: Dr. Sunipa Roy, HOD, ECE, GNIT Organizing Committee:</p> <ul style="list-style-type: none"> Koushik Pal Sayan Roy Choudhuri Soma Boral Avijit Deb <p>Technical Committee:</p> <ul style="list-style-type: none"> Swagata Bhattacharya Suparna Biswas Ramkrishna Mondal <p>Treasurer/Finance Committee:</p> <ul style="list-style-type: none"> Avali Banerjee Sulata Pandit <p>Food Committee:</p> <ul style="list-style-type: none"> Antara Ghosal Paramita Dutta Amallesh Chandra Ghatak <p>Hospitality Committee:</p> <ul style="list-style-type: none"> Dipanshi Saha Dyuti Nandi <p>Registration Desk:</p> <ul style="list-style-type: none"> Dyuti Nandi Sulata Pandit <p>All correspondence should be made to:</p> <p>Coordinator</p> <p>Surajit Basak Assistant Professor (ECE Dept.) Guru Nanak Institute of Technology, Sodepur Ph no: 9231679336 Email ID: surajit@ece83@gmail.com</p>	  <p>Faculty Development Program On</p> <p>MICROCONTROLLER BASED EMBEDDED SYSTEM DESIGN</p> <p><i>In collaboration with</i> Ardent Computech PVT LTD</p> <p>In association with <i>The Institute of Engineers (India), Student Branch</i></p> <p>22-26 April, 2019 Organized By Department of Electronics & Communication Engineering GURU NANAK INSTITUTE OF TECHNOLOGY Panihati, Sodepur, Kolkata-700114</p>
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b. Participated

i. Faculty & Staff

Sl. No.	Name, Designation & Department	Seminar/ Workshop/ Conference	Duration	
			From	To
2	Dr. Sunipa Roy	Seminar on IOT and Embedded System	27-07-2018	-
3	Sayan Roy Chaudhuri,	Seminar on IOT and Embedded System	27-07-2018	-
4	Dr. Sunipa Roy	WOSA, NBA Summit	7-9 -18	9-9 -18

Sl. No.	Name, Designation & Department	Seminar/ Workshop/ Conference	Duration	
			From	To
01.	Antara Ghosal	FDP on Solid State and Microwave Devices	15.01.19	19.01.19
02.	Sayan Roy Chaudhuri	Seminar on Examination reform	24.01.19	-
03.	Sayan Roy Chaudhuri	Model display in Kolkata International Book Fair 2019	05.02.2019	-
04.	Koushik Pal	Model display in Kolkata International Book Fair 2019	05.02.2019	-
05.	Surajit Basak	One day Seminar on Software Defined Radio by Prof. Dola Saha, Assistant Professor Department of Electrical & Computer Engineering University at Albany, SUNY	Feb, 2019	-
06.	Dr. Sunipa Roy Dyuti Nandi and Sulata Pandit	Inauguration of Sree Guru Grantha Sahib RKM Institute of Culture	08.02.2019	-
07.	Dr. Sunipa Roy	IEEE sponsored International Conference Dvice 2019, KGEC, Kalyani	30.03.19	-
08.	Dr. Kaushik Roy	IEEE sponsored International Conference Dvice 2019, KGEC, Kalyani	30.03.19	-
09.	Dr. Sunipa Roy	Digital Pedagogy by MAKAUT, Saltlake	14.03.19	-
10.	Dr. Supama Biswas	Digital Pedagogies at MAKAUT, Saltlake	24.04.19	-
11.	Koushik Pal	Mobile Governance and Manufacturing by Dept of I.T. Govt of West Bengal.	18.04.2019	-
12.	Koushik Pal Anurima Majumdar	Workshop on SCADA and Digital Forensic by GNIT	24.04.2019	-
13.	Dr. Sunipa Roy	Digital Pedagogy by JIS University.	04.05.2019	-
14.	Dr. Sunipa Roy	NIRF workshop	21.05.2019	-

i. Students

Sl. No.	Name, Designation & Department	Seminar/Workshop/Conference	Duration	
			From	To
1	2 nd Yr, ECE	Workshop on Python Programming	2.08.2018	14.08.2018
2	3 rd Yr, ECE	<ul style="list-style-type: none"> Workshop on Python Programming One week training on Android App Development 	2.08.2018	14.08.2018
			30.08.2018	06.09.2018
3	4 th Yr, ECE	<ul style="list-style-type: none"> One week training on Android App Development Workshop on Python Programming 	2.08.2018	14.08.2018
			21.08.2018	28.08.2018
4	3 rd yr, Diploma, ETCE	Workshop on PCB Design	27.07.2018	

10. Publication

a. Faculty and staff

International Conference: 20

International Journal: 10

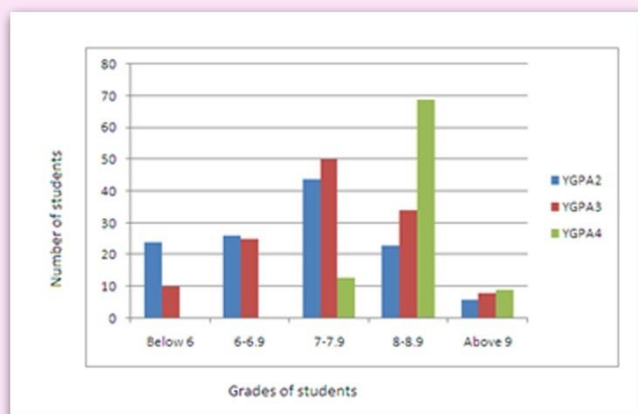
b. Student:

International Conference: 10

International Journal: 02

11. Result (Bar chart)

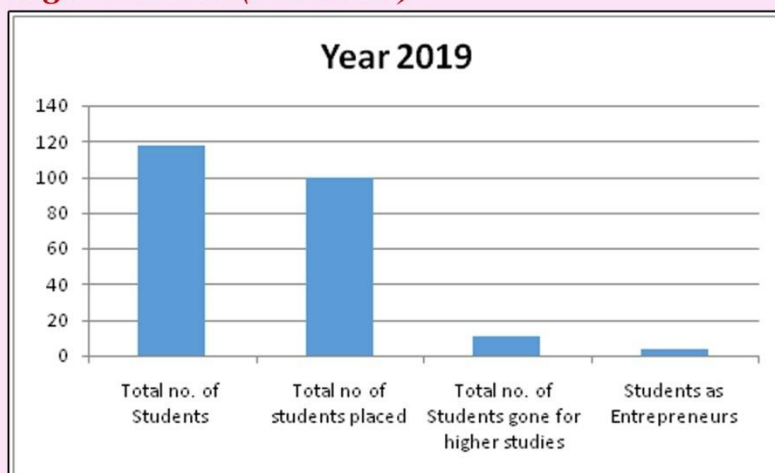
Result Analysis (2018-2019)



The graph analysis indicates continuous improvement in YGPA. From YGPA2 to YGPA4 student performance has increased.

	Below 6	6-6.9	7-7.9	8-8.9	Above 9	Total
YGPA2	24	26	44	23	6	123
YGPA3	10	25	50	34	8	127
YGPA4	0	0	13	69	9	91

12. Placement and higher studies (Bar chart)



**GURU NANAK
INSTITUTE of
TECHNOLOGY**

**DEPARTMENT
OF
ELECTRICAL
ENGINEERING**

**Annual Report
2018-19**

Mission of the department

- Impart quality education and create a student centric learning environment.
- Develop the students' ability to solve engineering problems and encourage Critical & Creative thinking.
- Improve communication and management skills of the students.
- Imbibe the spirit of moral values and ethics to serve the society.
- Inculcate an urge for continuous and life-long learning towards the growth and self development

Vision of the department

Our Departmental Vision is to impart world class education in the field of Electrical Engineering and to produce new generation technologists & entrepreneurs with new ideas and innovation to meet industry expectations and requirement of advance research.

PEO

- To impart strong foundation in Science, Mathematics and Electrical Engineering for the students to become Successful professionals and /or to pursue higher studies and research
- To impart profound scientific & engineering knowledge to comprehend, analyze, design and create new thoughts and products for solving real life Engineering problems.
- To train students in developing ethical attitudes , strong communication skills and capacity to relate engineering issues to social and environmental context
- To help students to be a lifelong learners required for successful professional careers

PO

- 1. Engineering Knowledge:** An ability to apply the knowledge of mathematics, science engineering fundamentals, and an engineering principles to the solution of complex engineering problems of Electrical Engineering.
- 2. Problem Analysis:** An ability to identify, formulate, review research literature and analyze complex problems in Electrical Engineering with a view to reach substantiated conclusions using first principle of mathematics, natural sciences and engineering sciences.
- 3. Design / Development of Solutions:** An ability to design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and cultural, societal and environmental considerations.
- 4. Conduct Investigations of Complex Problems:** An ability to use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern Tool Usages :** An ability to create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The Engineer and Society:** An ability to apply reasoning informed by the contextual knowledge to assess societal health, safety legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and Sustainability:** An ability to understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.
- 8. Ethics:** An ability to apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and Team Work: An ability to function effectively as an individual, and as member or leader in diverse teams and in multidisciplinary settings.

10. Communications: An ability to communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentation give and receive clear instructions.

11. Project Management and Finance: An ability to demonstrate knowledge and understanding of the engineering and management principals and apply these to ones on work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Lifelong Learning: An ability to recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Brief overview of the department

The department of Electrical Engineering, Guru Nanak Institute of Technology, Kolkata-700114, has started its auspicious academic journey, under West Bengal University of Technology, presently, MAKAUT-West Bengal, from the year 2003. The department got NBA in 2009 and then again in 2014 for its excellent performance in the arena of technical education. The department has well-equipped Laboratories, qualified and experienced Faculty Members and Technical Staff to educate and train the budding engineers in the areas of Electrical Engineering, applied sciences and humanities, along with training courses on soft skills and aptitude, ensuring high campus placements and admissions into Institutes of higher learning and research.

HOD's picture



HOD's message

Department of Electrical Engineering was started in the year 2003 with the approval from AICTE and subsequently it has been accredited with NBA in the year 2009 AND 2014 FOR 3 YEAR UPTO 2017. The department as a part of the college offers UG and Diploma Program, the department has grown not only in terms of students and faculty strength but also with the improved laboratory facilities for teaching and research purposes. Faculties take continuous initiative in overall development of students through mentorship, innovative teaching methodology, arranging Industry oriented courses and career counseling.

Departmental achievements

a. Student's Achievements / Participation / Recognition

2018-2019

Achievements:

A. Conferences

Name of the Dept.	Name of the Student	Name of Achievements / Participation / Recognition	Type of Achievements / Participation / Recognition	Details of Achievements / Participation / Recognition	Date & Venue	Remarks
EE	SNEHA SARKAR SAYANTAN SAHA SAYONI GHOSH	Conference	National	"Development of a Low cost IOT sensor suite framework for remote sensing applications" at NSHM, FOSET	31 st March, 2019	Won 2 nd prize in FOSET
	Souvick De & Shilajit De	Conference	International	Conference Proceedings (Accepted for Springer book chapter publication)	22.11.18	ANU, Guntur, AP
	Sourav Pal, Sourav Paul	Conference	National	Conference Proceedings in 3 rd Regional Science Congress, Organized by DST, Govt. of WB	19.12.18	Bidhannagar College, Govt. of West Bengal
	Ankit Saha, Anshumita Banerjee	Conference	National	Presented paper titled 'A computational approach to brought cardiac disorder in the light of ayurveda' in FOSET 10th Academic Meet on 31st March, 2019.	31st March, 2019	Participated

B. Academic Achievements:

Name of the Dept.	Name of the Student	Current Semester	YGPA score (last odd and even of 2018)	Remarks
EE	SNEHA SARKAR	7 th , B.Tech	9.21	KRITIA ward 2018
	ARNAB DEY	7 th , B.Tech	9.4	
	AVIIT MONDAL	7 th , B.Tech	9.46	
	ANKIT SAHA	7 th , B.Tech	9.37	
	NITISH CHAND	7 th , B.Tech	9.19	
	TANUSHREE CHATTERJEE	7 th , B.Tech	9.36	
	ROHAN SENGUPTA	5 th , B.Tech	9.74	
	SAYAN CHATTERJEE	5 th , B.Tech	9.53	
	TANMAY ROY	5 th , B.Tech	9.70	
	TOTON BAIDYA	5 th , B.Tech	9	
DEE	SUBHODEEP SARKAR	3 rd , DEE	8.5	
	SOUVICK PAL	5 th , DEE	8.85	
	NAYAN HAZRA	5 th , DEE	8.85	

C. Departmental Topper in terms of YGPA (SGPA for 1st year only)

Name of the Dept.	Name of Student	Current Semester	YGPA score (last odd and even of 2017)	Remarks
EE	JOY SARKAR	PASSOUT	9.02	
EE	ABHIRUP DAS	PASSOUT	9.02	
EE	A YANKUMAR KARAR	PASSOUT	9.02	
EE	MOUMITA ROY	PASSOUT	9.06	
EE	A VIJIT MONDAL	7 th	9.46	
EE	ROHAN SENGUPTA	5 th	9.74	
DEE	DEBANJAN CHATTERJEE	PASSOUT	9.45	
DEE	SUJOY PAL	PASSOUT	9.05	

D. Participation:

Paper Publication/ Conference

Name of the Dept.	Name of the Student(s)	Type of Publication (Journal/Conference/Abstract/Proceedings/Books/etc)	National/International	Publication details (Place of publication)	Date
EE	Souvick De & Shilajit Dey	Conference	International	Conference Proceedings (Accepted for Springer book chapter publication)	22.11.18
EE	Sourav Pal, Sourav Paul	Conference	National	Conference Proceedings in 3 rd Regional Science Congress, Organized by DST, Govt. of WB	19.12.18
EE	Ankit Saha, Anshu mita Banerjee	Conference	National	"Presented paper titled 'A computational approach to brought cardiac disorder in the light of ayurveda'" in FOSET 10th Academic Meet on 31st March, 2019	31 st March, 2019
EE	SNEHA SARKAR SAYANTAN SAHA SAYONI GHOSH	Conference	National	"Development of a Low cost IOT sensor suite framework for remote sensing applications" at NSHM, FOSET	31 st March, 2019

E. Non-Academic Achievements

(Cultural, Sports, External Projects, Research, etc)

Student Achievers:

Name of the Dept.	Name of Student	Achievement Description	Month and Year of achievement
EE	SAYANTAN SAHA SAYONI GHOSH RONEY BANERJEE	ROBO RANGER in KRITANJ (The Techno Management Fest) organized by NIT	27th Feb, 2019
EE	SAYANTAN SAHA SumanSarkar , SayedAbulWasim, SharmishthaGuha, SouvikDey	Successfully qualified NPTEL online course on "Introduction to Smart Grid"	July-Oct, 2018
EE	Suvrojyoti Biswas	Successfully completed NPTEL course -Robotics	
EE	POUSHALI GOPE	Successfully qualified with ELITE certified NPTEL online course on " Power System Engineering"	Jan- April, 2019
EE	AJIT KUMAR	Completed internships and Campus Ambassador Program on 1. Engineering Forum (Electro/Electrical Tech Content Developer Intern) 2. New Barrackpore Navachetna Welfare Society (Fundraiser Intern) 3. Awign (Business Development for Vedantu Intern) 4. Guyo India (Digital Marketing Intern) 5. Lecture Notes (Campus Ambassador) 6. NK Learnicare (Campus Ambassador)	July, 2018 - June, 2019
EE	SUBHARSHI ROY SOURAV PAUL	Secured 2nd position in Konnagar Science Fair 2019.	18-20th January, 2019
EE	SOU DIP MAJI SOURAV PAUL	Secured 2nd position in Konnagar Science Fair 2019	18-20th January, 2019
EE	BIKRAM DAS SOURAV PAUL	Secured 2nd position in Konnagar Science Fair 2019	18-20th January, 2019
EE	SU DIP DAS SOURAV PAUL	Secured 2nd position in Konnagar Science Fair 2019	18-20th January, 2019
EE	DEBANJAN CHATTERJEE SOURAV PAUL	Secured 2nd position in Konnagar Science Fair 2019	18-20th January, 2019
EE	SOUMIK MONDAL SOURAV PAUL	Secured 2nd position in Konnagar Science Fair 2019	18-20th January, 2019
EE	Sourav Pal	<ul style="list-style-type: none"> • Certification examination on Fundamental of Digital Marketing, 31.07.2019 • Certificate of completion on 13 hours of Graphic Design Master Class-Learn GREAT Design On -Line course ,01.07.2019 	31 july'19 01 july'19
EE	Umapati Majhi	Take admission in M. Tech. at Kalyani Govt. Engg College in Electrical Engineering.	July'19
EE	Debanik Saha	Take admission in M. Tech. at Jalpaiguri Govt Engg. College in Power Electronics and Drives.	July'19
EE	Bubai Ghosh	Take admission in M. Tech. at Kalyani Govt. Engg College in Electrical Engineering.	July'19
EE	Mr. Prashant Shaw	Take admission in M.E. at IEST, Shibpur GATE - 2019 (Score - 492)	July'19
EE	Mr. Nabarun Mukherjee,	Take admission in MBA at Management Development Institute, Murshidabad Batch: 2015-2019, Qualified in CAT - 2018 (Percentile - 90.71)	July'19

EE	AnkitSaha	Presented paper titled 'A computational approach to brought cardiac disorder in the light of ayurveda' in FOSET 10th Academic Meet on 31st March,2019.	31st March,2019
EE	Anshumita Banerjee	Presented paper titled 'A computational approach to brought cardiac disorder in the light of ayurveda' in FOSET 10th Academic Meet on 31st March,2019.	31st March,2019
EE	Tanushree Chatterjee,	3 rd position secured at Relay Race at Annual Sport Meet-2019,GNIT 2nd position secured at Tug of War at Annual Sport Meet-2019,GNIT	Feb'2019
EE	Debasi shAgasti	<ul style="list-style-type: none"> Project titled "Affordable Compact Home Automation System Capable Of Controlling 19 Appliances At The Most" has been selected for 17th ICT East by CII Project titled "Wirelessly Operated Gesture Controlled Wheelchair With Reverse Dead-End Edge Detection Capability", has been selected for 17th ICT East by CII 	
EE	Prajeet Kanungo	<ul style="list-style-type: none"> Best Vocalist, 2nd prize, R G Kar Medical College band Competition. 1st prize in Vocalist at National Medical College, 	, 12 th Aug, 2018 15 th Nov, 2018
EE	SAYANTAN SAHA	Got 1st Position in WALLE in KRITANJ (The Techno Management Fest) organized by NIT	27th Feb, 2019
EE	SAYONI GHOSH	Got 1st Position in WALLE in KRITANJ (The Techno Management Fest) organized by NIT	27th Feb, 2019
EE	RONEY BANERJEE	Secured 1st Position in WALLE in KRITANJ (The Techno Management Fest) organized by NIT	27th Feb, 2019
EE	ABHIRUP DAS	Performed and awarded in "Bangla SangeetMela" by the band BHOO MI at Deshapriya Park, KOLKATA.	27th DEC,2018
EE	INDRANIL CHAKRABORTY	Performed and awarded in "Bangla SangeetMela" by the band BHOO MI at Deshapriya Park, KOLKATA.	27th DEC,2018
EE	BIPASA DAS	Secured 1st position in Non Fire Cooking Competition in "MRIDANG 2K 19" at JIS University, KOLKATA	3rd April,2019

b. Faculty Achievements / Participation / Recognition

2018-2019

A. Participation:

Paper Publication/ Conference

Name of the Dept.	Name of the Faculty	Name of Achievements / Participation / Recognition	Type of Achievement / Participation / Recognition	Details of Achievements / Participation / Recognition	Date & Venue
EE	Prof (Dr.) J.K. Das & Suman Ghosh	Paper published in Microsystems Technologies, Springer	Publication	Indexed in SCI	DOI: 10.1007/s00542-019-04385-4
EE	Dr. J K Das et al	IEI (Annual Technical Volume)	Paper publication	Indexed in Scopus	ISBN:978-81-939709-4-2
EE	Dr. Anindita Ganguly	Paper published in Journal	Impact factor- 0.592	Indexed in Scopus	https://www.springer.com/engineering/journal/12046
EE	Dr. Anindita Ganguly	Journal (IEI series B)	Impact factor- 0.475	Indexed in Scopus	http://link.springer.com/journal/40031
EE	Prof (Dr.) J.K. Das & Suman Ghosh	10th Academic Meet	Technical Paper presentation	A awarded 2nd prize in FOSET 10th Academic Meet	31st March, 2019
EE	Prof (Dr) J K Das & Suman Ghosh	International Conference		International Conf on Energy Systems , Drives & Automation (29-30 Dec 2018 at Kolkata)	http://ccsnmicro.wixsite/esda2018/publication
EE	Anindita Ganguly	Conference	International	Analysis of time-delayed non-linear equations using HF functions " ICMMS, Indore	July 2018
EE	Dr. J K Das et al	IEEE International Conference, 31 st Jan 2019, Chennai	Technical Paper presentation		ECEIC Conference <eceic@eceic.org.in>
EE	Dr. Anindita Ganguly	Conference	Technical Paper presentation		10th Academic Meet 2019 organised by FOSET on 31st March, 2019

B. Workshops & FDP

Name of the Dept.	Name of the Faculty	Name of Events	Type of Achievements / Participation / Recognition	Details of Achievements / Participation / Recognition	Date & Venue
EE	Dr. ManikaSaha	Workshop on Matlab Simulink(beyond the syllabus)	Workshop	Organized	02/07/18-06/07/18, 11/07/18, GNIT
EE	Mr. Shyamal Kumar Roy	Faculty coordinator: Workshop on Matlab Simulink(beyond the syllabus)	Workshop	Organized	02/07/18-06/07/18, 11/07/18, GNIT
EE	Prof (Dr) J K Das, Professor, EE Dept	Training on Outcome Base Education & Process of Accreditation	FDP	JIS GROUP	19/07/2018 21/07/2018
EE	Prof (Dr) J K Das, Professor, EE Dept	Workshop on Creatix	Workshop	GNIT	24/07/2018
EE	Dr. ManikaSaha, Associate Professor, EE Dept	Training on Outcome Base Education & Process of Accreditation	FDP	JIS GROUP	19/07/2018 21/07/2018
EE	MsRiktaMajumder, Assistant Prof, EE Dept	Training on Outcome Base Education & Process of Accreditation	FDP	JIS GROUP	19/07/2018 21/07/2018
EE	Mr. AnindamRoy, Assistant Prof, EE Dept	Faculty development programme on Python programming and machine learning	FDP	JIS GROUP	02/08/2018 - 14/08/2018
EE	Mr. SumanGhosh, Assistant Prof, EE Dept	Training on Outcome Base Education & Process of Accreditation	FDP	JIS GROUP	19/07/2018 21/07/2018
EE	Mr. SusovanDutta, Assistant Prof, EE Dept	Training on Outcome Base Education & Process of Accreditation	FDP	JIS GROUP	19/07/2018 - 21/07/2018

<i>Name of the Dept.</i>	<i>Name of the Faculty</i>	<i>Name of Events</i>	<i>Type of Achievements / Participation / Recognition</i>	<i>Details of Achievements / Participation / Recognition</i>	<i>Date & Venue</i>
EE	Mr. Shyamal Kumar Roy Assistant Professor, EE Department	AICTE Sponsored Proposed- Three Day FDP for Student Induction Program	FDP	AICTE	16/07/2018 - 18/07/2018
EE	Mr. Shyamal Kumar Roy Assistant Professor, EE Department	Training on Outcome Base Education & Process of Accreditation	FDP	JIS GROUP	19/07/2018 - 21/07/2018
EE	Mr. AmitDebnath	Workshop on Creatix	Workshop	GNIT	24/07/2018
EE	Mr. Shyamal Kumar Roy, Assistant Prof, EE Dept	Induction Program: Alumni Meet & Industry Mentor Meet	Seminar	GNIT	06/08/2018- 28/09/2019
EE	Mr.SumanGhosh, Assistant Prof, EE Dept	Introduction to Smart Grid - Oct 7th exam	FDP	NPTEL	06/08/2018- 28/09/2019
EE	Mr. SusovanDutta, Assistant Prof, EE Dept	Induction Program: Alumni Meet & Industry Mentor Meet	Seminar	GNIT	04/08/2018
EE	Mr. Arindam Roy, Assistant Prof, EE Dept	Induction Program: Alumni Meet & Industry Mentor Meet	Seminar	GNIT	04/08/2018
EE	RiktaMajumder , Assistant Prof, EE Dept	Induction Program: Alumni Meet & Industry Mentor Meet	Seminar	GNIT	04/08/2018
EE	Mr.SusovanDutta, Assistant Prof, EE Dept	Introduction to Smart Grid - Oct 7th exam	FDP	NPTEL	06/08/2018- 28/09/2019
EE	Mr. Amit Debnath	FDP on Machine Learning And Python	FDP	GNIT	23/07/2019- 27/07/2019
EE	Mr. SusovanDutta	FDP on Machine Learning And Python	FDP	GNIT	23/07/2019
EE	Ms. PriyankaDutta	FDP on Machine Learning And Python	FDP	GNIT	23/07/2019

EE	Dr Barnali Kundu	BCCI PROGRAM	12th edition of the Bengal Chamber annual environment energy conclave on sustainability and resources security	ITC SONAR	29/08/2019
EE	Susovan Dutta	BCCI PROGRAM	12th edition of the Bengal Chamber annual environment energy conclave on sustainability and resources security	ITC SONAR	29/08/2019
EE	Rikta majumder	BCCI PROGRAM	12th edition of the Bengal Chamber annual environment energy conclave on sustainability and resources security	ITC SONAR	29/08/2019

C. Achievements:

<i>Name of the Dept</i>	<i>Name of the Faculty</i>	<i>Name of Achievements / Participation / Recognition</i>	<i>Type of Achievements / Participation / Recognition</i>	<i>Details of Achievements / Participation / Recognition</i>	<i>Date & Venue</i>	<i>Remarks</i>
EE	Dr. J.K Das	Successfully qualified with ELITE certified NPTEL online course on "Internet of Things"	NPTEL	Online course	April 2019	
	Dr. J.K Das	Life institutional membership of SESI	"Solar Energy Society of India (SESI)"	membership	April 2019	
	Anindita Ganguly	SERB project titled "Stochastic Pacing Therapy for Cardiac Fibrillation Prevention" has been approved for funding under teachers Associateship for Research Excellence (TARE)	Research Project	TARE		
	Suman Ghosh	PhD Registration at IEST, Shibpur.	Registered		In the month of July, 2018	
	Susovan Dutta & Suman Ghosh	Successfully completed NPTEL online courseware on Introduction to Smart Grid	NPTEL	Online course	06/08/2018-28/09/2019	

Departmental events (for e.g., Industry visit, Industry mentor meet, BOS meeting pic, seminar, conference work, PTM, sports, wall magazine, newsletter and others)

a. Organized

b. Participated

i. faculty & staff

ii. students

- An industrial visit was organized to provide practical industry exposure of the students of Electrical Engineering (B. Tech), GNIT. The students of 3rd year, Electrical Engineering has visited 2 X 500 MW Super Thermal Power Station at Andal under Damodar Valley Corporation.



- An industrial visit was organized to provide practical industry exposure of the students of Electrical Engineering, Diploma GNIT. The students of 3rd year, Diploma in Electrical Engineering has visited Geetanjali Solar Enterprise



- GNIT EE Department organizes Poster Competition on " Energy Conservation, Green energy , Ethical Use of Energy & Saving"



Wall magazine "ELECTROGLINT"-October'2018

One day seminar on "IOT Application in Electrical Engineering" on 3rd May, 2019



Tech Art : model display competition on 23rd April ,2019

- Prof (Dr.) J. K. Das , HOD, EE taken Life time membership of "SESI" in April 2019

a. Seminar/Workshop/ Conference Organised by Electrical Engineering Department

Sl. No.	Name of Dept.	Name of the Industry	Date of Visit	Organized by (Name & Designation)	Outcome
1	EE	CESC, Kolkata	02.08.2019	Mr. Debnil Chakraborty, Assistant Manager, CESC Ltd.	The Speaker (Industry Mentor) explain in detail the Industrial Earthing System to Diploma & Degree students (70nos). This is highly beneficial to increase the practical exposure in getting core job.
2	EE	M. N. Dastur & Company Pvt. Ltd.	02.08.2019	Mr. Sitaditya Bhowmik Lead Engineer, Electrical Design	Alumni Meet for Induction Program
3	EE	Micro-Pro	15.05.2019	Mr. Joydeep Nath, Consultant at Micro-Pro	Seminar on "IoT application in electrical engg"
4	EE	HOD, EE	24.05.2019	Prof (Dr) J K Das	One day FDP on SCADA application in power system
5	EE	Consultant at Macquarie Capital Korea Ltd Singapore Renewable & Environment	14/02/2019	Dr. Tathagata Sarkar	Seminar on "Renewable Energy & Its Global Trend"
6	EE	HOD, EE	28/02/2019	Prof (Dr) J K Das	Deliberation on "Present trends of Electrical industries"
7	EE	CESC, Kolkata	21/01/2019 & 22/01/2019	Mr. Debnil Chakraborty, Assistant Manager, CESC Ltd.	ETAP software training with online Demo
8	EE	HOD, EE	14/01/2019 & 15/01/2019	Prof (Dr) J K Das	SCADA applications in power system



Industry Alumni Meet for 1st year Induction Program on 2nd August 2019 _organized by EE dept



FDP on SCADA application in power system 24th April 2019

SCADA Training



Invited as honourable guest to judge SMART INDIA HACKATHON CODING CONTEST held on 2nd and 3rd March, 2019.

ETAP Training

PLC Training



Deliberation on
"Present trends of Electrical industries"



Seminar on "Renewable Energy
& Its Global Trend"

b. Seminar/Conference/Workshop attended by faculty and staff

Name of the Dept.	Name of the faculty	Type of Publication (Journal/Conference/Abstract/Proceedings/Books/etc)	National/International	Seminar / Conference Details	Date
EE	All Faculty members	Seminar	Seminar	Seminar on "IoT application in electrical engg"	15th May 19
EE	All Faculty members	Seminar	Seminar	FDP on "SCADA application in Power system	24th April 19
EE	All Faculty members	Seminar	Seminar	Seminar on "Renewable Energy and Its Global Trend"	14th Feb 19
EE	All Faculty members	Seminar	Seminar	Deliberation on "Present Trend of Electrical Industries"	28th Feb 19
EE	Mr. Amit Debnath	Workshop	National	FDP on Machine Learning And Python	23 rd - 27 th .07.19
EE	Mr. Susovan Dutta	Workshop	National	FDP on Machine Learning And Python	23 rd - 27 th .07.19
EE	Ms. Priyanka Dutta	Seminar	National	FDP on Machine Learning And Python	23 rd - 27 th .07.19

c. Seminar/Conference/Workshop attended by Students

Name of the Dept.	Name of the Student(s)	Name of the faculty coordinator (if any)	Type of Publication (Journal/Conference/Abstract/Proceedings/Books/etc)	National/International	Publication details (Place of publication)	Date
EE	Souvik De & Shilajit Dey		Conference	International	Conference Proceedings (Accepted for Springer book chapter publication)	22.11.18
EE	Souav Pal, Souav Paul		Conference	National	Conference Proceedings in 3 rd Regional Science Congress, Organized by DST, Govt. of WB	19.12.18
EE	Ankit Saha, Anshumita Banerjee		Conference	National	"Presented paper titled 'A computational approach to brought cardiac disorder in the light of ayurveda'" in FOSET 10th Academic Meet on 31st March, 2019	31 st March, 2019
EE	SNEHA SARKAR SAYANTAN SAHA SAYONI GHOSH		Conference	National	"Development of a Low cost IOT sensor suite framework for remote sensing applications" at NSHM, FOSET	31 st March, 2019

Department of Electrical Engineering Organized FDP on "Research Innovative and Recent Trends in Electrical Engineering"

<p>ABOUT THE COLLEGE</p> <p>Guru Nanak Institute of Technology was instituted with a vision to empower the aspiring professionals with the technological knowledge and professional expertise under the aegis of JIS Group Educational Initiatives in the year 2003. This technical campus offers undergraduate and post graduate courses under West Bengal University of Technology (WBUT now MAKAUT) and some courses are NBA Accredited. The Institute is approved by AICTE and accredited by UGC, NAAC and located in one of the prime locations in North Kolkata near Sodepur. The Institute offers latest technology oriented courses as per industry trends and nurtures creativity, innovations and research initiatives both at faculty and student levels to enrich and enhance the teaching learning process.</p>	<p>ORGANIZING COMMITTEE</p> <p>Chief Patron: Sardar Taranjit Singh, Managing Director, JIS Group</p> <p>Patron: Mr. Simarpreet Singh, Director, JIS Group</p> <p>FDP Chair: Prof. (Dr.) Santanu Kr. Sen Principal, GNIT</p> <p>Coordinators: 1. Dr. Barnali Kundu (HOD) Dept. of Electrical Engineering, GNIT E-mail: head_eec.gnit@jisgroup.org</p> <p>Convener: 1. Dr. Debasree Saha Dept. of Electrical Engineering, GNIT E-mail: dcbasree.saha@gnit.ac.in</p> <p>Address for communication: 1. Mr. Suman Ghosh Mobile: +91-798031783 2. Mr. Shyamal Kr. Roy Mobile: +91-8334808086 3. Dr. Debasree Saha Mobile: +91-7005338712</p> <p>E-mail: fdp.ev2020@gmail.com</p> 	 <p>Faculty Development Program on Research innovative and Recent Trends in Electrical Engineering</p> <p>24th - 28th September 2018</p>  <p>Organized by: Dept. of Electrical Engineering Guru Nanak Institute of Technology</p> <p>Click the link for Registration: https://forms.gle/a1dpFy77keb8GQ6p6</p>
<p>ABOUT THE DEPARTMENT</p> <p>Department of Electrical Engineering was started in the year 2003 with the approval from AICTE and subsequently it has been accredited with NBA in the year 2009 and 2014 for 3 year up to 2017. The department as a part of the college offers UG and Diploma Program and the department has grown not only in terms of students and faculty strength but also with the improved laboratory facility for teaching and research purposes. Electrical Engineering Department is constantly pursuing for upliftment of Academic & Professional standard, values & ethics.</p>		

Department of Electrical Engineering Organized FDP on "Scope of Electrical Component in Automobile Industry"

<p>ABOUT THE COLLEGE</p> <p>Guru Nanak Institute of Technology was instituted with a vision to empower the aspiring professionals with the technological knowledge and professional expertise under the aegis of JIS Group Educational Initiatives in the year 2003. This technical campus offers undergraduate and post graduate courses under West Bengal University of Technology (WBUT now MAKAUT) and some courses are NBA Accredited. The Institute is approved by AICTE and accredited by UGC, NAAC and located in one of the prime locations in North Kolkata near Sodepur. The Institute offers latest technology oriented courses as per industry trends and nurtures creativity, innovations and research initiatives both at faculty and student levels to enrich and enhance the teaching learning process.</p>	<p>ORGANIZING COMMITTEE</p> <p>Chief Patron: Sardar Taranjit Singh, Managing Director, JIS Group</p> <p>Patron: Mr. Simarpreet Singh, Director, JIS Group</p> <p>FDP Chair: Prof. (Dr.) Santanu Kr. Sen Principal, GNIT</p> <p>Coordinators: 1. Dr. Barnali Kundu (HOD) Dept. of Electrical Engineering, GNIT E-mail: head_eec.gnit@jisgroup.org</p> <p>Convener: 1. Dr. Debasree Saha Dept. of Electrical Engineering, GNIT E-mail: dcbasree.saha@gnit.ac.in</p> <p>Address for communication: 1. Mr. Suman Ghosh Mobile: +91-798031783 2. Mr. Shyamal Kr. Roy Mobile: +91-8334808086 3. Dr. Debasree Saha Mobile: +91-7005338712</p> <p>E-mail: fdp.ev2020@gmail.com</p> 	 <p>Faculty Development Program on Scope of electrical components in Automobile industry</p> <p>18th - 22nd March 2019</p>  <p>Organized by: Dept. of Electrical Engineering Guru Nanak Institute of Technology</p> <p>Click the link for Registration: https://forms.gle/a1dpFy77keb8GQ6p6</p>
<p>ABOUT THE DEPARTMENT</p> <p>Department of Electrical Engineering was started in the year 2003 with the approval from AICTE and subsequently it has been accredited with NBA in the year 2009 and 2014 for 3 year up to 2017. The department as a part of the college offers UG and Diploma Program and the department has grown not only in terms of students and faculty strength but also with the improved laboratory facility for teaching and research purposes. Electrical Engineering Department is constantly pursuing for upliftment of Academic & Professional standard, values & ethics.</p>		

• **Conduction of BOS meetings**

Name of the committee	Date of meeting	Departmental / Institutional	Name of the Department
BOS	19/03/2019	Departmental	EE

Co-curricular & Extra Curricular activities:

Sl.	Name of the Student	Dept	Details of Co-curricular activities
1	Sandeepku. Yadav (3 rd yr)	EE	Dignified and memorable performance in cricket tournament.
2.	Uddipan Bose (2019 pass out)	EE	Participated in Cultural Fest at GNIT, 2019
3.	Sourav Bose (2019 pass out)	EE	Participated in Cultural Fest at GNIT, 2019
4.	Shibaditya Halder (2019 pass out)	EE	Participated in Cultural Fest at GNIT, 2019
5.	Ajay Das (2019 pass out)	EE	Participated in Cultural Fest at GNIT, 2019
6.	Soumik Nandi (2019 pass out)	EE	Participated in Robo war, Robo-soccer, terranova & mode display in TESSERACT 2019
7.	Surajit Panjal (2019 pass out)	EE	Participated in Robo war, Robo-soccer, terranova & mode display in TESSERACT 2019
8.	Binay Prasad (4 th year)	EE	Participated in techfest model display held at GNIT on 8 feb 2019
9.	Ankita Biswas (4 th year)	EE	Coordinator of cultural committee-2018-19
10.	Abhijit Samanta (4 th year)	EE	Member of cultural committee-2018-19
11.	Sanjoy Sarkar (4 th year)	EE	Member of cultural committee-2018-19
12.	Swamabh Halder (2019 pass out)	EE	Participated in Robo war, Robo-soccer, terranova & mode display in TESSERACT 2019
13.	Tanushree Chatterjee	EE	Eminent speaker in diploma orientation.
14.	Subhashish Ganguly (DEE)	EE	Member of cultural committee-2018-19



Participated in the Cricket Tournament SJSMCT -2018



Participated in the Zonal level Cricket Tournament



EE Faculty Participated in the Cricket Tournament SJSMCT -2018

11. Publication

a. Faculty and staff

Academic Year	Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
2017-18	EE	0	5	2	5	12

b. Student

Academic Year	Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
2017-18	EE	0	10	0	5	15

Faculty Publication Details

National Seminar/Conference

DEPARTMENT: EE

- Susovan Dutta "Optimal Design and Related Cost of a Renewable Energy System" NCEHTC-2017, 17-18 November, 2017.
- Rikta Majumder, Ritam Roy, Soudip Mal, Sounak Ghosh
- Rikta Majumder, Rohan Pal, Sourav Sarkar, Shouvik Sarma Chowdhury "Smart Surveillance System Using Passive Infrared Sensor" FOSET, March, 2018.
- Susovan Dutta, Souvik Biswas, Purabi Majumder "GSM Based Fire Alarm System" FOSET, March, 2018.
- Madumita Chakraborty, Vandana Rani, Vicky Paswan, Soyel Ghosh "Footstep Power Generation using Piezoelectric Effect" FOSET, March, 2018.

International / National Journal

DEPARTMENT: EE

- o Prof. (Dr.) J.K. Das, IEI (Annual Technical Volume)
- o Prof. (Dr.) J.K. Das, Paper published in Microsystems Technologies
- Anindita Ganguly "Solution of Volterra and Fredholm classes of equations via Triangular orthogonal function", IE(I) Springer 2018.
- o Anindita Ganguly, Springer Journal (IEI series B)

International Seminar/Conference

DEPARTMENT: EE

- Prof. Dr. J.K. Das "Development of a Low cost IOT sensor suite framework for remote sensing applications" at NSHM, FOSET
- Prof. Dr. J.K. Das, International Conference, FEMAS 26/09/19-27/09/19.
- Suman Ghosh, International Conference, FEMAS 26/09/19-27/09/19.
- Prof. (Dr.) J.K. Das, Suman Ghosh, International Conf on Energy Systems, Drives & Automation (29-30 Dec 2018 at Kolkata)
- Rikta Majumder International Conference, FEMAS 26/09/19-27/09/19.
- Dr. Debasree Saha International Conference, FEMAS 26/09/19-27/09/19.
- Dr. Barnali Kundu International Conference, FEMAS 26/09/19-27/09/19.
- Susovan Dutta, "Development of a Low cost IOT sensor suite framework for remote sensing applications" at NSHM, FOSET
- Susovan Dutta International Conference, FEMAS 26/09/19-27/09/19.
- Madhumita Chakraborty International Conference, FEMAS 26/09/19-27/09/19.
- Shyamal Ku. Roy International Conference, FEMAS 26/09/19-27/09/19.
- Pritam Chowdhury International Conference, FEMAS 26/09/19-27/09/19.

- AmitDebnath International Conference , FEMAS 26/09/19-27/09/19.
- PriyankaDutta International Conference , FEMAS 26/09/19-27/09/19.
- AninditaGanguly“Analysis of time-delayed non-linear equations using HF functions “
ICMMSC, Indore International Conference July 2018
- AninditaGanguly, 10th Academic annual meet at FOSET, 2019

Students Publication Details

DEPARTMENT: EE

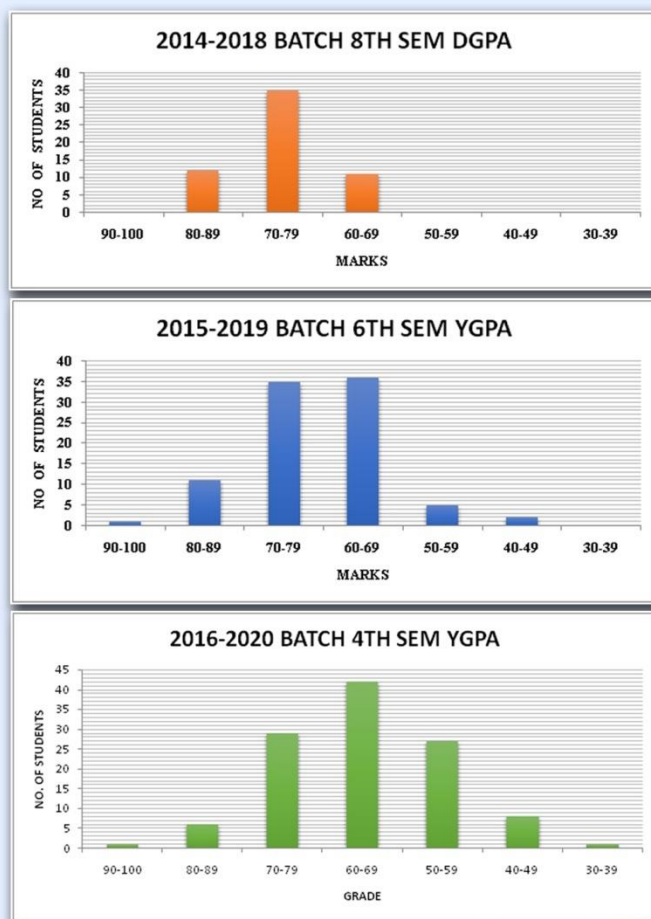
- SnehaSarkar, SayantanSaha, SayoniGhosh“Development of a Low cost IOT sensor suite framework for remote sensing applications” at NSHM, FOSET
- AnkitSaha, Anshumita Banerjee” Presented paper titled’ A computational approach to brought cardiac disorder in the light of ayurveda” in FOSET 10th Academic Meet on 31st March,2019.
- Souvick De, Shilajitdey” Conference Proceedings (Accepted for Springer book chapter publication) 21/11/18
- Sourav Pal, Sourav Paul, ” Conference Proceedings in 3rd Regional Science Congress, Organized by DST, Govt. of WB , 19/12/18

International Seminar/Conference

DEPARTMENT: EE

- Ritwik Ray Chaudhuri, Rishi Pradhan, SampritBandyopadhyay, RonitDuttaInternational Conference , FEMAS 26/09/19-27/09/19.
- Prashant Shaw, Rajdeep Roy, SusovanDutta, International Conference , FEMAS 26/09/19-27/09/19.

12. Result (Bar chart) :



13. Placement and higher studies (Bar chart)

Placement data 2019batch,EE(till date)

Student's Name	Company Name
Avijit Mondal	Capgemini
Kaushik Biswas	TCS
Koyena Mazumder	TCS
Koyena Mazumder	Pinnacle
Saif Ali	TCS
Sayantan Saha	Pinnacle

Higher Studies Data of 2019 pass out

Name	University Roll	Pursuing Degree	Institute
Umapati Majhi	14301615095	M. Tech.	Kalyani Govt. Engg College in Electrical Engineering.
Debanik Saha	14301615021	M. Tech.	Jalpaiguri Govt Engg. College in Power Electronics and Drives.
Bubai Ghosh		M. Tech..	Kalyani Govt. Engg College in Electrical Engineering
Mr. Prashant Shaw	14301615043	M.E.	IEST, Shibpur GATE – 2019 (Score – 492)
Mr. Nabarun Mukherjee,	14301615038	MBA	Management Development Institute, Murshidabad Batch: 2015-2019, Qualified in CAT – 2018 (Percentile – 90.71)
Ms. Anindita Das		LLB	JIS University

**GURU NANAK
INSTITUTE of
TECHNOLOGY**

**DEPARTMENT
OF
FOOD
TECHNOLOGY**

**Annual Report
2018-19**

Mission of the department:

To achieve its own vision the Department of Food Technology is committed to

- Provide high quality teaching to foster international standard graduate
- Motivate the students of the Department to face challenges in their professions- industrial, academic, R&D activities
- Generate knowledge through research as well as through interaction with industries and academia so that the students of the Department can take part in the interdisciplinary fields.
- Inspired the students of the Department to the sustainable development of the nation and society through professionalism, education, research, public and social service.

Vision of the department:

- The vision of the Department is to be a nationally and internationally recognized school of Food Technology by producing competent food technologist with respect to teaching, research, entrepreneurship and extension endeavors leading towards sustainable growth of the state, nation and service of the society and humankind.

Programme Educational Objectives (PEO):

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

- Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
- Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
- Environment and Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

h) Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

i) Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.

j) Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

k) Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

l) Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Brief overview of the department

Food Technology is the application of food science to the selection, preservation, processing, packaging and distribution of food. This is used to ensure that a safe, nutritious and wholesome food is made available to the consumer. Food Technologists study the physical, microbiological, and chemical composition of food as well as to develop food process technologies, preservation, packaging and storage of food, according to industry and government specifications and regulations.

The Department has the following laboratories:

Food Processing Lab, Food Analysis and Quality Control Lab, Food Microbiology and Microbial Technology Lab, Food Chemistry Lab, Unit Operation of Chemical Engineering Lab, Sophisticated R&D Lab.

All are studded with various sophisticated equipment like:

Freeze Drier, Cold Centrifuge, Deep Freezer (-23OC), UV-Vis Spectrophotometer, Spectrofluorimeter (Perkin Elmer), Gerber Centrifuge, Brookfield Viscometer, Laminar Air Flow Table, BOD Shaker Incubator, Autoclave, Tray Drier, Plate Freezer, Ice cream Churner, Pulper, Fluidized Bed Drier, Spray Drier, Baking Oven, Canning Unit, Homogenizer, Rotary Vacuum Evaporator, Single Screw Extruder, Jaw Crusher and Ball Mill, Heat Exchanger, Packed Bed Distillation Column, Steam Jacketed Kettle, Reynold's Apparatus, Digital Microscope etc.

Job opportunities for Students:

In Govt. Sector:

Lecturer in Govt. Diploma Colleges, Food Inspector, Agricultural Marketing Officer, Jobs in FCI and FSSAI, Agriculture Officer in Govt. Banks, Agricultural Associate in SBI, DRDO, Indian Army

In Private Sector:

ITC Food Division, Britannia Industries Ltd., PepsiCo (India) Holdings Pvt. Ltd, Bengal Beverage (Coco Cola), Keventer Agro, EFRAC, India Dairy Products (AMUL), Red Cow Dairy, Thacker Dairy, Bisk Farm (Saj Food Products Pvt. Ltd.), Almarai (UAE), Don-Limon (Germany), Nestle India Ltd., Sudha Dairy Dairy, Patanjali Ayurved Limited, Parle, Priya, Raja Biscuit, Purti Vanaspati, Jubilant Foodworks Ltd., Gujarat Cooperative Milk Marketing Federation Ltd., Anmol Biscuits, Ganesh Food Products, Bisleri International Pvt. Ltd., ELMAC Foods, Vitarich Agro Food (Ind. Ltd.), Urban Feast, Shalimar Group, Dream Bake Pvt. Ltd. Department has received various grant from MOFPI, Govt. of India, Dept. of Food Processing Industries and Horticulture, Govt. of West Bengal, AICTE, Govt. of India and UGC.

HOD's picture:



HOD's message :

It gives me great pleasure to talk about the Department of Food Technology of the Guru Nanak Institute of Technology which has emerged as a premier educational institute in West Bengal. Since its inception in 2006, with an intake of 60 students, the department has undergone continual improvement. We inspire our students to thrive as successful technologists under a unique conglomeration of theoretical knowledge and technical skill development. They get the opportunity to explore several career avenues in an interactive learning environment which the department facilitates by arranging several seminars, conferences, symposiums and workshops. Our faculty members are associated with several academic research activities with publications in reputed journals. Under their guidance, the students take part in different academic projects and research oriented curriculum at renowned institutes like IIT Kharagpur, Jadavpur University, BHU, etc.

Departmental achievements:

a. Student's achievements:

Sl no.	Name of Student	Date	Award
2	Riya Dasgupta	2018 Passout	Awarded 2nd Position and received silver Medal From MAKAUT in B.Tech Examination, 2018.
3	Prastuti Chakravorty	2018 Passout	Awarded 3rd Position and received From Bronze Medal MAKAUT in B.Tech Examination, 2018.
4	Rajat Kanti Modak & Bidisha Ghosh, FT 3 rd Year	August 2018	Selected for FSSAI Internship from West Bengal
5	40 Students of Dept. of Food Technology	-	Got Certificate of Excellence in "Green Revolution Certification Program; An Initiative by International Center For Culture & Education to Educate, Inspire & Act Against Climate Change.
6	Saurjaynee Biswas, FT 2 nd Year	-	Selected as a Climate Counsellor in Kolkata for "Green Revolution Certification Program; An Initiative by International Center For Culture & Education to Educate, Inspire & Act Against Climate Change.
7	Prankur Thakur & Reema Ghosh, FT 3 rd Year (Guided by Dr. Anju Paul)	August 2018	Got 1st Prize in Poster Presentation Session in UGC sponsored National Seminar on "Recent Innovations in Food & Nutrition Sciences" Organized by Mugheria Gangadhar Mahavidyalaya.

Sl no.	Name of Student	Date	Award
8	Abhishek Kundu, Urmi Sarkar (FT, 4 th Year)	September 2018	Got 2nd Prize in SKA Asia Quiz competition on Food Safety.
9	Akash Kusum Maity, Khushi Maheswari, Amit Saha & Debadri Bhowmick (Guided by Mr. Arka Roychowdhury)	January 2019	Selected in Final Round of 2 nd AICTE-ECI-ISTE CHHATRA VISHWAKARMA AWARDS 2018
10	Riya Dasgupta (2018 Passout)	October 2018	Bharati Debi Excellence Award 2018 for Highest DGPA in GNIT
11	Riya Dasgupta (2018 Passout)	November 2018	Awarded 2nd Position and received Silver Medal From MAKAUT in B.Tech Examination, 2018.
12	Prostuti Chakravorty (2018 Passout)	November 2018	Awarded 3rd Position and received From Bronze Medal MAKAUT in B.Tech Examination, 2018.
13	Anirzeet Pramanik (FT, 2 nd Year)	July to December 2018	Secured Elite certificate in NPTEL online course
14	Swagatalakshmi Chakraborty (FT, 2 nd Year)	July to December 2018	Secured Elite certificate in NPTEL online course
15	Avisikta Ghosh Dastidar (FT, 2 nd Year)	July to December 2018	Secured Elite certificate in NPTEL online course
16	Saptarshi Das (FT, 2 nd Year)	July to December 2018	Secured Elite certificate in NPTEL online course
17	Diptasree Chaudhuri (FT, 3 rd Year)		Secured Elite certificate in NPTEL online course
18	Saurjaynee Biswas (FT, 2 nd Year)	January 2019	Got First Prize in the Rangoli event at IEM Cultural Festival 2019
19	Akash Kusum Maity, Amit Saha, Debadri Bhowmick, Khushi Maheswari (Students of FT 3 rd Year)	January 2019	Selected in Grand Finale of AICTE sponsored Chhatra Viswakarma Award

Sl no.	Name of Student	Date	Award
20	Prankur Thakur, Reema Ghosh, Tamalika Das (Students of FT 3 rd Year)	February 2019	Got First Prize in 'Oral Presentation with No Text' event at Sampriti 2019, Organized by Techno India, Salt lake
21	Prankur Thakur, Reema Ghosh, Tamalika Das (Students of FT 3 rd Year)	February 2019	Got 2nd Prize in 'Food Technology Based Quiz' event at Sampriti 2019, Organized by Techno India, Salt lake
22	Akash Kusum Maity, Amit Saha, Debadri Bhowmick, Khushi Maheswari (Students of FT 3 rd Year)	March 2019	Selected as Investigator to Check the Practices and Systems of Midday meal makers(Surakshit Khadya Abhiyan), Organized by CII in collaboration with FSSAI.
23	Ankita Dutta (FT 4 th Year)	March 2019	Got 1st Prize in Selfie Competition Event at Prakriti 2019, Organized by IIT KGP.
24	Khushi Maheshwari, Debadri Bhowmick, Prithweejit Bhattacharyya, Sramana Roy	16 March 2019.	Selected for project presentation in CII Organized Conference titled INNOVATION 2019 at ITC Sonar
25	Ishon Mallick	16 March 2019	Semifinalist in TECHNOBITES 2k19,(Quiz Competition organized by IT department, Techno International Newtown)
26	Deblina Sen	4 th April, 2019	Secured 1st position in solo singing at MRIDANG 2k19 (JIS University)
27	Amab Mukherjee	4 th April	1st position in solo singing (guitar accompanist) at MRIDANG 2k19 (JIS University)
28	Amab Mukherjee	27 th April	1st position in solo singing (guitar accompanist) at EPIGNOSIS 2k19



Riya Dasgupta
Awarded 2nd Position and
received silver Medal From
MAKAUT in B.Tech
Examination, 2018.



Riya Dasgupta &
Prastuti Chakravorty
Awarded 2nd and 3rd Position
respectively MAKAUT in B.
Tech Examination, 2018 and
received silver and Bronze Medal
in MAKAUT convocation.



Selected for FSSAI Internship
from West Bengal



Selected in Grand Finale
of AICTE sponsored
Chhatra Viswakarma Award



Got 1st Prize in Poster Presentation
Session in UGC sponsored National
Seminar on "Recent Innovations in
Food & Nutrition Sciences"
Organized by Mugberia
Gangadhar Mahavidyalaya.

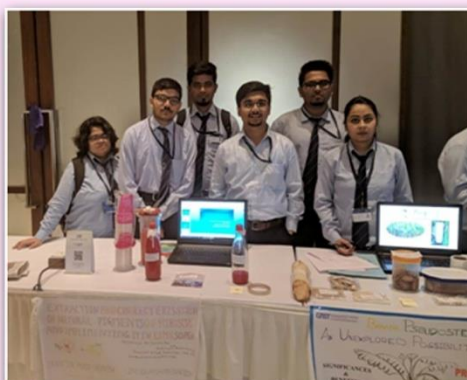


Got First Prize in 'Oral Presentation
with No Text' event at Sampriti 2019,
Organized by Techno India, Salt lake

Got First Prize in 'Oral Presentation
with No Text' event at Sampriti 2019,
Organized by Techno India, Salt lake



Got Certificate of Excellence
in "Green Revolution
Certification Program; An
Initiative by International
Center For Culture & Education
to Educate, Inspire &
Act Against Climate Change.



Selected for project presentation in
CII Organized Conference titled
INNOVATION 2019 at ITC Sonar



Got 2nd Prize in SKA Asia Quiz
competition on Food Safety.

b. Faculty's achievements

Sl no.	Name of Faculty	Date	Award
1	Dr. Anju Paul	31.08.2018	Got 1st Prize in Poster Presentation Session in UGC sponsored National Seminar on "Recent Innovations in Food & Nutrition Sciences", Organized by Mugberia Gangadhar Mahavidyalaya
2	Dr. Kakali Bandyopadhyay	15.09.18	Selected as Advisory Committee Member of Seminar on "Food and Nutrition Security- Thus Far and Further, Organized by Nutrition Science of India
3	Dr. Kakali Bandyopadhyay & Mr. Arka Roychowdhury	06.10.2018	Keynote Speaker in the National Symposium on 'Food and Nutrition Security' organized by Department of Food Technology, Bundelkhand University, Jhansi
4	Mr. Arka Roychowdhury	20.01.2019	Selected in Final round of 2nd AICTE-ECI-ISTE CHHATRA VISHWAKARMA AWARDS 2018
5	Dr. Anju Paul	-	Got Distinction in Four week Online course on Functional Foods : Concept, Technology and Health Benefits, Organized by Indian Institute of Technology, Kanpur.
6	Dr. Kakali Bandyopadhyay	-	Selected as Ph.D.. Guide in the Dept. of Chemical Technology (Oil Technology) and Applied Chemistry of Calcutta University
7	Dr. Kakali Bandyopadhyay	21.01.2019 & 22.01.2019	Key-note Speaker in Food Tech Seminar on "Green Food Techniques : Emerging Innovation for Sustainable, Safe, Healthy Food" & Industrial Meet, SAMPARK'19
8	Mr. Amit Barman	24.02.2019	Selected as a Investigator to Check the Practices and Systems of Midday meal makers (Surakshit Khadya Abhiyan), Organized by CII in collaboration with FSSAI.
9	Dr. Kakali Bandyopadhyay	28.02.2019	Keynote Speaker in Seminar on "Effect of Microwave Heating in Food Processing" Organized by Dept. of Electronics & Communication Engineering , GNIT
10	Dr. Kakali Bandyopadhyay	18.03.2019	Keynote Speaker in Seminar on "Project Based Learning in Food Technology" , Organized by Falakata Govt. Polytechnic
11	Dr. Kakali Bandyopadhyay	18.03.2019	Invited Speaker in the Workshop on "NBA Accreditation Process", Organized by Falakata Govt. Polytechnic



Got 1st Prize in Poster Presentation Session in UGC sponsored National Seminar on “Recent Innovations in Food & Nutrition Sciences”, Organized by Mugberia Gangadhar Mahavidyalaya.



Keynote Speaker in Seminar on “Project Based Learning in Food Technology”, Organized by Falakata Govt. Polytechnic



Selected as a Investigator to Check the Practices and Systems of Midday meal makers(Surakshit Khadya Abhiyan), Organized by CII in collaboration with FSSAI.

10. Departmental events (for e.g., Industry visit, Industry mentor meet, BOS meeting pic, seminar, conference work, PTM, sports, wall magazine, newsletter and others)

a. Organized

Industry-Visit:

Sl, No.	Name of Dept	Name of the Industry	Date of Visit
1.	Food Technology	Parle Biscuit Industry	01/08/2018
2.		Bhagwati Foods Private Limited (Franchise of Parle Biscuit)	04/04/2019 & 05/04/2019



**Industry Visit
Parle Biscuit Industry**



**Industry Visit
Bhagwati Foods Private Limited (Franchise of Parle Biscuit)**

Industry-Mentor Meet:

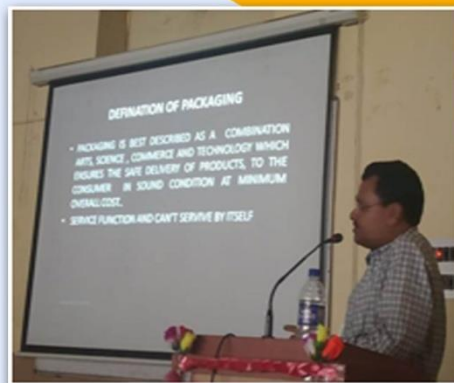
Sl.No.	Name of Dept	Name of the Industry-Mentor With Designation	Date of Visit
1		Seminar On “Enlightenment of Food Technology” by Ms. Anwe sha De (Hygiene Officer & Microbiologist, The Gateway Hotel)	04.08.2018
2	Department of Food Technology	Seminar On “Use of Vegetable Oils & Fats - Quest for Information” by Mr. S.K. Roy(Ex President of OTAI, East Zone)	25.08.2018
3		Industrial Seminar on” Emerging Trends on Food Packaging Technology” by Mr. Bidhan Das (Deputy Director & Regional Head Indian Institute of Packaging)	06.04.2019



Seminar On “Enlightenment of Food Technology” by Ms. Anwasha De (Hygiene Officer & Microbiologist, The Gateway Hotel)



Seminar On “Use of Vegetable Oils & Fats - Quest for Information” by Mr. S.K. Roy (Ex President of OTAI, East Zone)



Industrial Seminar on” Emerging Trends on Food Packaging Technology” by Mr. Bidhan Das (Deputy Director & Regional Head Indian Institute of Packaging)

BOS Meeting:

Sl No	Name of Program	Date of meeting	Departmental / Institutional	Name of the Department
1	Departmental BOS Meeting	30.08.2018	Departmental	FT
2	Departmental BOS meeting	11.04.2019	Departmental	FT



a.

Seminar/Workshop/Invited Talk (Organized by Faculty & Staff):

Sl no	Engineering Events	Venue	Date	Speaker	Topic/ Event
1	Seminar	Seminar Hall, GNIT	04.07.2018	Dr. Deborshi De	Industrial Outlook to Food Fortification with Special Reference to Beverage Industry
2	Invited Talk	Seminar Hall, GNIT	11.08.2018	Mrs. Dolanchapa Sikder	Alumni “Talks” - An interactive session
3	Seminar	Seminar Hall, GNIT	11.08.2018	Mr. Soumyadeb Bhattacharyya	Entrepreneur Meet: A New Look To The Modern Food Sector
4	TSD	Seminar Hall, GNIT	06.09.2018	Dr. Deborshi De	Technical Skill Development Class Interactive session- “Changing Dynamics of the Food Industry with a Special Reference to Alcohol Industry”
5	Invited Talk	Seminar Hall, GNIT	29.10.2018	Mr. Mousam Das	
6	Workshop	Department of Food Technology	05.02.2019	All Faculty members of Dept. of Food Technology	Awareness & Prevalence of Adulteration in Food



Seminar by Dr. Deborshi De



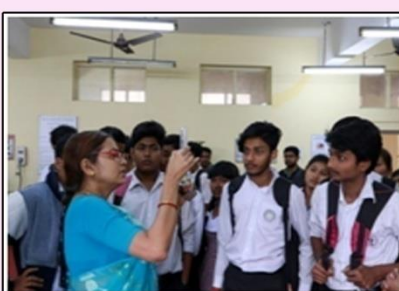
Invited Talk by Alumni
"Mrs. Dolanchapa Sikder"



Entrepreneur Meet by
Alumni "Mr. Soumyadeb
Bhattacharyya"



Workshop on "Awareness & Prevalence of Adulteration in Food"



b. Seminar/Workshop/Invited Talk (Participated):

i. faculty & staff

Sl. No	Name, Designation & Department	Seminar/ Workshop/ Conference	Date	Sponsored by
1	Dr. Anju Paul (Asst. Prof., FT), Ms. Shairee Ganguly (Asst. Prof., FT) & Mr. Anupam Ghosh (Asst. Prof., FT)	Workshop on Faculty Development Program	16.07.18 to 24.07.18	JIS Group
2	Dr. Kakali Bandyopadhyay (Associate Professor and Head, FT)	"Food and Nutrition Security-Thus Far and Further"	15.09.18	Nutrition Society of India
3	Dr. Anju Paul (Asst. Prof., FT), Ms. Shairee Ganguly (Asst. Prof., FT)	National Seminar	30.09.18	Education Promotion Society for India
4	Dr. Kakali Bandyopadhyay (Associate Professor and Head, FT), Mr. Arka Roy Chowdhury (Asst. Prof., FT)	National Symposium on "Food & Nutrition Security"	06.10.18	TEQIP-3, MHRD, Govt. of India
5	Dr. Kakali Bandyopadhyay (HOD, FT)	Food Tech Seminar on "Green Food Techniques : Emerging Innovation for Sustainable, Safe, Healthy Food" & Industrial Meet, SAMPARK'19	21.01.2019 & 22.01.2019	Food Tech Club & GKCIET-Malda, (Presented by Science & Technology Dept., Govt. of Nagaland and Affiliation by FSSAI, Govt of India and British Science and Technology Congress, UK)
6	Mr. Amit Barman (JTA, FT)	Assessment of the practices and systems of the Mid Day Meal makers, Organized by CII in collaboration with FSSAI (SKA, GoI)	24.01.2019	CII & FSSAI
7	Dr. Kakali Bandyopadhyay (HOD, FT) & Mrs. Shairee Ganguly (Asst. Prof., FT)	CII-SKA Training of Facilitators for Food Safety in Railways, Organized by CII in collaboration with FSSAI	29.01.2019	CII & FSSAI

Department of Food Technology Organized FDP on
“Recent Trends in Non thermal Food Processing”

Faculty Development Program
On

Recent trends in
nonthermal food
processing

17th-21th May, 2019

Organized by:

Department of Food Technology
Guru Nanak Institute of Technology

GNIT



Guru Nanak Institute of Technology
157/F, Nilgunj Road, Panihati,
Sodepur, Kol 114

Chief Patron

Mr. Taranjit Singh, MD, JIS Group

Patron

Mr. Simarpreet Singh, Director, JIS Group
Mr. Amandeep Singh, Director, JIS Group

Advisory Committee

Prof. (Dr.) Annapurna Das, Director, GNIT
Prof. (Dr.) Sisir K Das, Dean, GNIT

Chairperson

Prof. (Dr.) Santanu K Sen, Principal, GNIT

Convenor

Dr. Kakali Bandyopadhyay, HOD, FT

Organizing Committee

Ms. Dolanchapa Sikdar, Asst. Prof., FT
Ms. Rosalin Nath, Asst. Prof., FT
Mr. Goutam Kr. Das, JTA, FT
Mr. Amit Barman, JTA, FT
Ms. Monika Paul, JTA, FT
Mr. Shubhobrata Saha, JTA, FT
Ms. Khushi Maheshwari, 3rd Year, FT
Mr. Amit Saha, 3rd Year, FT
Mr. Debadri Bhowmick, 3rd Year, FT
Mr. Rajat Kanti Modak, 3rd Year, FT
Ms. Ankita Bishnu, 3rd Year, FT
Ms. Pallabi Pal, 3rd Year, FT

Participants

- Faculty Members
- Technical Staff

Mode of Selection

The filled registration form with self-signature is to be submitted to Registration committee members on the day of seminar. Registration forms are available from the department. Application will be accepted on a first come first serve basis.

No Registration Fee

Time

10:30 a.m. to 1:30p.m.

Contact Person

Dr. Anju Paul, Asst. Prof., FT
Asst. Professor, Dept. of FT, GNIT
Mobile: (+91) 9038659358

Department of Food Technology Organized FDP on
“Integrative Approach towards Current Practices in Food Product Development”

Advisors:

Dr. Annapurna Das, Director, GNIT
Dr. Sisir Kumar Das, Dean, GNIT

Chairman:

Dr. Santanu Kumar Sen, Principal, GNIT

Convener:

Dr. Kakali Bandyopadhyay, HOD, FT

Coordinator:

Dr. Anju Paul, Asst. Prof., FT

Organizing Committee:

Ms. Dolanchapa Sikdar, Asst. Prof., FT
Ms. Rosalin Nath, Asst. Prof., FT
Mr. Goutam Kr. Das, JTA, FT
Mr. Amit Barman, JTA, FT
Ms. Monika Paul, JTA, FT
Mr. Shubhobrata Saha, JTA, FT
Ms. Khushi Maheshwari, 3rd Year, FT
Mr. Amit Saha, 3rd Year, FT
Mr. Debadri Bhowmick, 3rd Year, FT
Mr. Rajat Kanti Modak, 3rd Year, FT
Ms. Ankita Bishnu, 3rd Year, FT
Ms. Pallabi Pal, 3rd Year, FT

Contacts:

Dr. Anju Paul, Asst. Prof., FT
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GNIT



ONE WEEK FDP

ON

**Integrative Approach Towards Current
Practices in Food Product Development
31.12.18 to 4.1.19**

—Organized by—

DEPARTMENT OF FOOD TECHNOLOGY

GURUNAK INSTITUTE OF TECHNOLOGY
157/F, NILGANJ ROAD, PANIHATI, SODEPUR, KOLKATA-700114



Dr. Kakali Bandyopadhyay

Food Tech Seminar on "Green Food Techniques : Emerging Innovation for Sustainable, Safe, Healthy Food" & Industrial Meet, SAMPARK '19 organized by Food Tech Club & GKCIET-Malda, (Presented by Science & Technology Dept, Govt. of Nagaland and Affiliation by FSSAI, Govt of India and British Science and Technology Congress, UK)



Dr. Kakali Bandyopadhyay

Associate Professor and Head, FT in invited as Keynote speaker in National Symposium on "Food & Nutrition Security" (sponsored by TEQIP-III) organized by the Department of Food Technology, Bundelkhand University (DFTBU) on 6th October, 2018.

Seminar/Workshop/Invited Talk (Participated):

ii. students

Sl. No	Name	Seminar/ Workshop/ Conference	Date	Organized by
1	Reema Ghosh Prankur Thakur	UGC sponsored National Seminar on "Recent Innovations in Food & Nutrition Sciences"	31.08.2018	Organized by Mugheria Gangadhar Mahavidyalaya.
2	Students of FT 3 rd Year & FT 2 nd Year	Seminar on "Green Food Techniques : Emerging Innovation for Sustainable, Safe, Healthy Food" & Industrial Meet, SAMPARK '19	21.01.2019 & 22.01.2019	Organized by Food Tech Club & GKCIET-Malda, (Presented by Science & Technology Dept, Govt. of Nagaland and Affiliation by FSSAI, Govt of India and British Science and Technology Congress, UK)
3	Students of FT 3 rd Year & FT 2 nd Year	Sampriti, 2019	23.02.2019	Department of Food Technology, Techno India
4	Students of FT 2 nd Year, 3 rd Year & 4 th Year	Prakriti 2019	15.03.2019	IIT KGP

Sl No	Pictures	Details
1		UGC sponsored National Seminar on "Recent Innovations in Food & Nutrition Sciences"

Parent- Teacher Meet (Organized by Faculty & Staff):

Sl.No	Name	Date	Sponsored by
1	Student of FT (2 nd , 3 rd , 4 th)	29/9/2018	GNIT
2	Student of FT (3 rd Year)	29/04/2019	GNIT
3.	Student of FT (3 rd Year)	02/05/2019 & 03/05/2019	GNIT



Parent - Teacher meet



Wall Magazine/Poster Presentation/Debate Competition (Organized by Faculty & Staff):

Sl. No	Name	Seminar/ Workshop/ Conference	Date	Sponsored by
1	Student of FT (2 nd , 3 rd , 4 th)	Debate Competition	01.09.2018	GNIT
2	Student of FT (2 nd , 3 rd , 4 th)	Quiz Competition	05.09.2018	GNIT
3	Student of FT (2 nd , 3 rd , 4 th)	Departmental Wall Magazine	05.09.2018	GNIT
4	Student of FT (2 nd , 3 rd , 4 th)	Poster Competition	18.01.2019	GNIT
5	Student of FT (2 nd , 3 rd , 4 th)	Poster Competition	05.03.2019	GNIT
6	Student of FT (2 nd , 3 rd , 4 th)	Quiz Competition	05.03.2019	GNIT
7	Student of FT (2 nd , 3 rd , 4 th)	Group Discussion Competition	06.03.2019	GNIT
8	Student of FT (2 nd , 3 rd , 4 th)	Debate Competition	28.03.2019	GNIT



Departmental Wall Magazine Inaugurates FT departmental Wall Magazine, "Elysian"



Poster Competition



Poster Competition



Quiz Competition

Publication of News Letter (Organized by Faculty & Staff):

Sl no	Department	Issue	Editor	Publisher	Status
1	Department of Food Technology	2018-2019 Issue I	Ms. Dolanchapa Sikder & Ms. Monika Paul	Mr. Ishon Mallick	Published
2		2018-2019 Issue II	Mr. Shairee Ganguly & Ms. Monika Paul	Mr. Tanmoy Chakraborty	



Dean and Director Dr. S. K. Katiyar, DFTBU inaugurated the “News Letters” for year 2018 (Issue I and Issue II) of Dept. of Food Technology, GNIT at the prestigious forum of national Symposium on Food and Nutrition Security (sponsored by TEQIP-III) organized by the Department of Food Technology, Bundelkhand University (DFTBU) on 6th October, 2018.

Publication of E-Magazine (Organized by Faculty & Staff):

Sl no	Department	Year	Editor	Publisher	Status
1	Department of Food Technology	2018-19	Mr. Aurik Bairagi	Mr. Arka Roy Chowdhury	Published



The Department of Food Technology is happy to inform the inauguration of departmental E-Magazine, Issue 6, 2018 by Mr. Simarpreet Singh, honorable Director, JIS Group, Mr. Amanjot Singh and Mr. T.K Ghosh (Trustee, JIS Group Educational Initiatives) in the presence of departmental faculty and staff members in the R&D cell of Dept. of Food Technology on 20th December 2018.

Others (MOU Signed) (Organized by Faculty & Staff):

Sl	Name of the Department	Name of Organization Signed MOU	Type (Industry/Academic/Research Institute)	Date	Programming Highlights/ Objective
1	Food Technology	Bundelkhand University, Jhansi	Academic Research Institute	October 2018	Department of Food Technology of Bundelkhand University (DFTBU) has entered into a Memorandum of Understanding with the Department of Food Technology, GNIT, Kolkata on 6 th October, 2018 at Bundelkhand University, Jhansi. For signing MOU, DFTBU was represented by its Dean and Director Dr. S. K. Katiyar while GNIT was represented by its Head of the Department Dr. Kakali Bandyopadhyay. The goal of this MOU is to foster collaborative training, research and other activities to provide advancement in scientific knowledge for the benefit of society by enlarge.



Department of Food Technology of Bundelkhand University (DFTBU) has entered into a Memorandum of Understanding with the Department of Food Technology, GNIT, Kolkata on 6th October, 2018 at Bundelkhand University, Jhansi. For signing MOU, DFTBU was represented by its Dean and Director Dr. S. K. Katiyar while GNIT was represented by its Head of the Department Dr. Kakali Bandyopadhyay. The goal of this MOU is to foster collaborative training, research and other activities to provide advancement in scientific knowledge for the benefit of society by enlarge

Others:

Sl no	Name of the Activity	Date	Participants	Organized by
1	Presentation of "Mobile-Food Adulteration Detection KIT" in International Kolkata Book Fair 2019	06.02.2019	Ms. Rosalin Nath (Asst. Professor) & Students of 3 rd Year	Govt. of West Bengal & JIS Group
2	Lab visit for the students, Department of Food and Nutrition, Barrackpore Rastraguru Surendranath College	14.02.2019	Students of Department of Food and Nutrition, Barrackpore Rastraguru Surendranath College	Department of Food Technology, GNT
3	Speaker in DD Bangla Programme "Ki hote Chai" on 'The current career trend in Food Technology'	01.03.2019	Dr. Kakali Bandyopadhyay	DD Bangla
4	Project Display in CII Innovation Club	16.03.2019	Debadri Bhowmick, Khusi Maheshwari (Group A) Sramana Roy, Prithweejit Bhattacharyya (Group B)	CII
5	External Examiner for B.sc Hons. (Dept. of Food & Nutrition) Practical Examination, Organized by Viharilal College of Home and Social Science, CU	18.03.2019	Dr. Anju Paul	Organized by Viharilal College of Home and Social Science, CU
6	External Paper Setter of M.Sc. in Food and Nutrition of Post Graduate Department, Barrackpore Rastraguru Surendranath College	March 2019	Dr. Kakali Bandyopadhyay	Barrackpore Rastraguru Surendranath College
7	4 innovative projects are registered in 'Ideathon' – a mega competition to identify suitable incubates	March, 2019	16 Pre-final year students	WEBEL- BCC & I Tech incubation
8	Technology Quiz Competition 2019	30.03.2019	Prankur Thakur & Reema Ghosh (FT 3 rd Year)	BCC & I in Collaboration with GNIT
9	Roving Observer of MAKAUT & AUTONOMY Theory Examination at JIS University	29.05.2019	Dr. Kakali Bandyopadhyay	Exam Cell, GNT
10	External Examiner	13.06.2019	Dr. Kakali Bandyopadhyay	Dept. of Chemical Technology, University of Calcutta



Ms. Rosalin Nath (Asst. Professor)
Presentation of “Mobile-Food Adulteration Detection KIT” in
International Kolkata Book Fair 2019

Invited Speaker- Dr. Kakali Bandyopadhyay
Television Talk Show “Ki Hote Chai” on Food Technology by
Dr. Kakali Bandyopadhyay on DD Bangla
Date- 19.01.2018



Invited Speaker- Dr. Kakali Bandyopadhyay
Talk Show on “Beti Bachao Beti Pado” : An Awareness
Programme of Govt. of India on DD Bangla.
Date- 24.05.2018

Lab visit for the students, Department of
Food and Nutrition, Barrackpore Rastraguru
Surendranath College.
Date: 14.02.2019



11. Publication

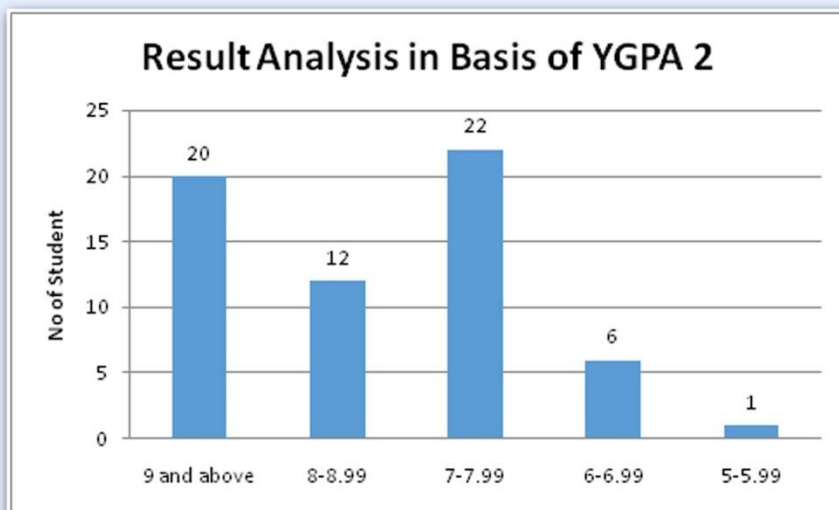
a. Faculty and staff

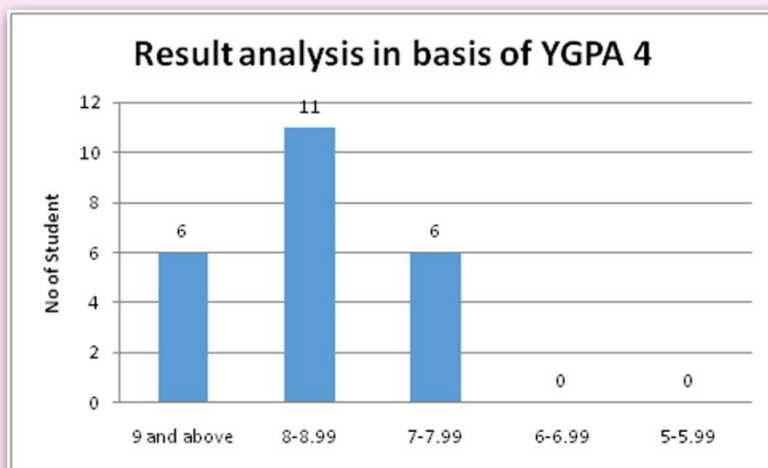
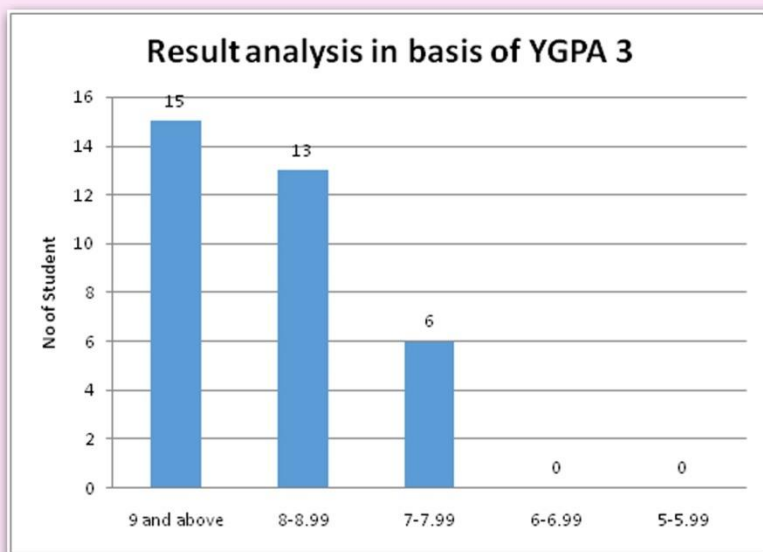
Journal:7
Conference/Seminar:6

b. Student:

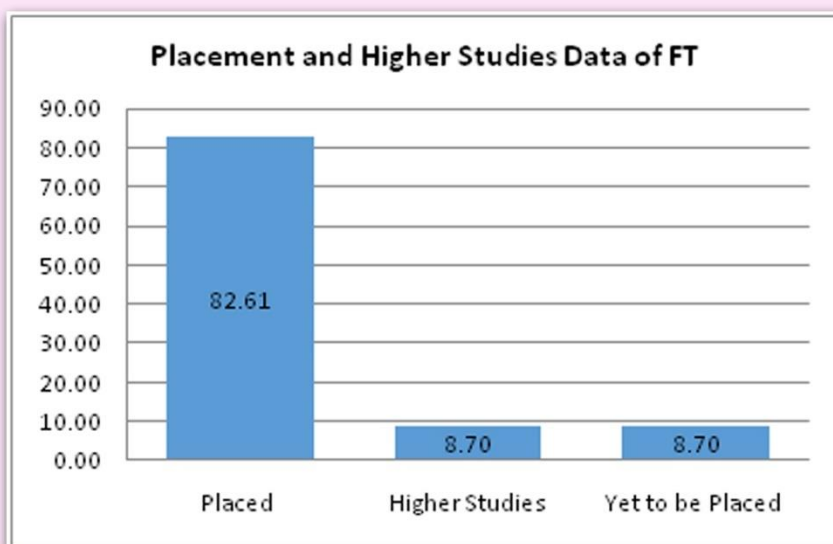
Journal: 3
Conference/Seminar:6

12. Result (Bar chart): (2nd, 3rd and 4th Year):





13. Placement and higher studies (Bar chart):



**GURU NANAK
INSTITUTE of
TECHNOLOGY**

**DEPARTMENT
OF
COMPUTER
APPLICATIONS**

**Annual Report
2018-19**

Mission of the department :

- Knowledge based academic environment
- Excellence in teaching-learning, research, development
- Enable students to solve s/w related problems by own
- To bridge the gap between industry and academia
- Mentoring the students with effective communication skills
- Ensure students are groomed in the society as a true human & successful professional.

Vision of the department :

The Department of Computer Application aims to produce technically competent, skilled IT professionals, researchers and entrepreneurs with the ability to apply their knowledge in IT industry, research & development or in entrepreneurial arena and they can meet the challenges in modern IT industry.

PEO :

PEO 1: To prepare students industry ready

PEO 2: To provide an excellent academic environment

PEO 3: To provide skills with a firm foundation in Mathematical, Technical and Programming fundamentals

PEO 4: To inculcate good technical and managerial skills

PEO 5: Encourage students to grow in professional and social environment

PO :

- Ability to apply knowledge of mathematics, computer science and management along with logical and analytical ability in practice.
- Ability to identify, critically analyze, formulate and develop application oriented softwares.
- Ability to select modern computing tools and techniques and use them with expertise.
- Ability to devise and conduct experiments, interpret data and provide well informed conclusions.
- Ability to understand the impact of system solutions in a contemporary, global, economical, environmental, and societal context for sustainable development.
- Ability to function professionally with ethical responsibility as an individual as well as in multidisciplinary teams with positive attitude and effective communication.
- Ability to appreciate the importance of goal setting and to recognize the need of continuous learning

Brief overview of the department :

Department of Computer Application devoted to study and research. It runs two courses MCA (under autonomy environment) and BCA both under MAKAUT. The combination of competent and vibrant faculty members, modern infra structure and technical resources give an edge to the young technocrats..



HOD's picture :



HOD's message :

Our Department was started in 2007 with MCA stream only. Next year (in 2008) BCA started. We are fortunate to be the choice of most of the stake holders. CA Department believes in excellence in education and innovation. It gives best possible placement to students. Teacher-student relationship is a matter of pride for us. Different Seminars, Workshops, Extra-curricular and Co-curricular activities are performed throughout the year. This helps the young minds grow in diverse dimensions beyond their academics.

Departmental achievements

a. Student's achievements

Pradipta Das :

Got acknowledgement as Indian White Hat Hacker from Axis Bank by pointing out their technical fault in net banking site.



Kushal Saha :

Secure 3rd position in Rhythm Battle Solo Singing Competition in IRIS' 19.



Rahul Dev Sarkar :

- Speaker in International World camp Meet 2019 at Kathmandu, Nepal
- Speaker in International World camp Meet 2019 at Dhaka, Bangladesh
- Founder and CEO at Peergrowth Technologies, Kolkata



Neha Vishwakarma :

- Selected as Student Ambassador of Internshala from GNIT
- Got Elite certificate from NPTEL in Programming in C.

Rachana Bose :

Got Elite + Silver certificate from NPTEL in Programming in Java.

Arka Das :

Secured 3rd position in “Mridang 2019” at JIS University



Shalini Acharya :

Secure 2nd position in “ANAKHRONOS” at Techno India



Gobind Deep Singh :

His achievement in Cyber Activity and Ethical Hacking, Registered GNIT's name in MakeMyTrip Hall of Fame and he earned a bounty of Rs. 30,000 from MMT, hacked MMT and was able to get free gift, book air tickets, acquire complete packaged tour of MMT, he reported it to MMT and they registered our College's name as a mark of acknowledgement.



b. Faculty's achievements :

Chiranjib Dutta :

- SPOC for SWAYAM NPTEL LOCAL CHAPTER
- MENTOR of NPTEL online course

Somalina Chowdhury :

PhD enrolled from MAKAUT (WBUT)

Sanjoy Rana :

Got Elite certificate from NPTEL in Cloud Computing

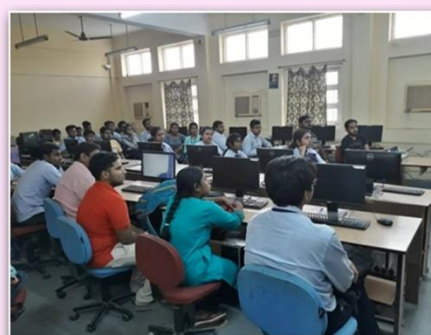


10. Departmental events (for e.g., Industry visit, Industry mentor meet, BOS meeting pic, seminar, conference work, PTM, sports, wall magazine, newsletter and others)

Department of Computer Applications has organized a One day workshop on “Angular & Node JS” for students of BCA and MCA conducted by OGMA Techlabs on 27.2.2019.



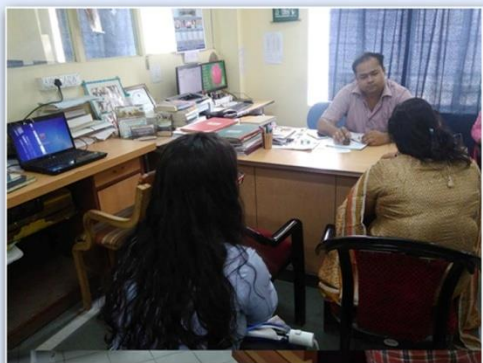
Department of Computer Applications has organized a One day workshop on “Web Development” for students of BCA and MCA conducted by Globsyn Technologies on 11.4.2019.



Department of Computer Applications has organized an “Industry Expert Meet” for students of BCA and MCA. Renowned organizations like, ARDENT Computech Pvt Ltd , OGMA Tech Lab, MicroPro, NIIT, Globsyn, PCS Global etc participated in the meet on 02.5.2019.



Parent – Mentor Meet 2019 :
Conducted in April – May 2019

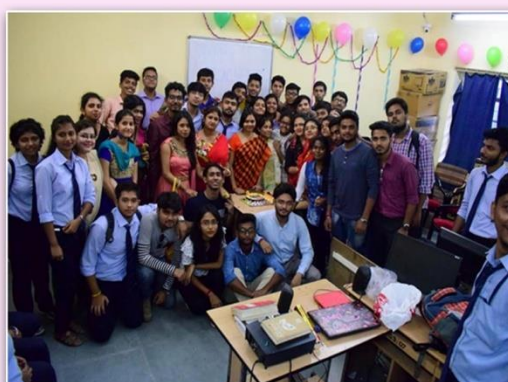


The Wall magazine SPANDAN (6th edition) of Department of Computer Applications has been published on 9th October 2018, in presence of Honorable Principal Sir, Director Madam, HOD and faculty members. We convey our sincere thanks and regards to each and every one for their cooperation and support.



Teachers' Day Celebration:

The students of the Department celebrated Teachers' Day on 5th September 2019 at Guru Nanak Institute of Technology.



FDP on Python Programming and Machine Learning

Two Weeks Faculty Development Program on Python Programming and Machine Learning organized by Department of Computer Applications, Guru Nanak Institute of Technology from 02.8.2018 – 14.8.2018.



Department of Computer Applications has organized a 2 weeks IT Base Training Programme for 2nd Year students of BCA from 8th July – 19th July 2019.



NPTEL Local Chapter at Guru Nanak Institute of Technology

The Department has organized a one day "NPTEL Online courses Awareness Camp" on 11.7.2018

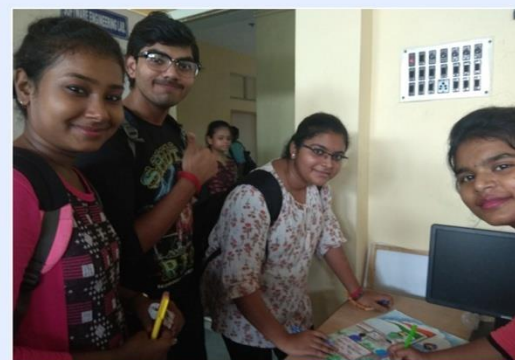


Induction & Orientation Program for BCA (Batch 2019-22)

Induction Program for the students of BCA 1st semester (Batch 2019 – 2022) has been arranged and successfully conducted during 08.8.2019 – 16.8.2019 at Guru Nanak Institute of Technology.



Entrepreneur and Alumni Interaction session



GNIT Foundation Day Celebration – 2019 on 16.8.2019

The Foundation day of GNIT was celebrated on 16th August 2019 with several programmes and activities. Walk for Save Water was organized in the morning where the rally covered about 5 Km walk with colourful posters and was able to create a remarkable impression on the spectators.



Departmental Picnic :

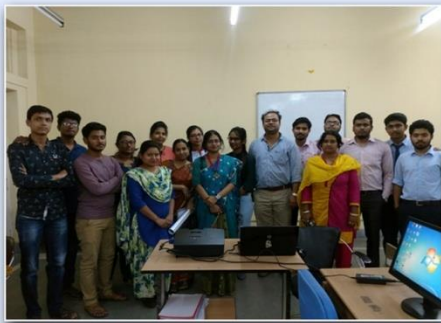


Kriti Award 2018 & 2019



Visit of a group of students from Bhairab Ganguly College to Dept of Computer Applications, GNIT

A group of Students and Faculties from Bhairab Ganguly College, Kolkata have visited Department of Computer Applications, GNIT on an Educational Visit. The faculties of the CA Department have explained the students our existing LAN connectivity, and the group enjoyed the session with a Hands on experience.



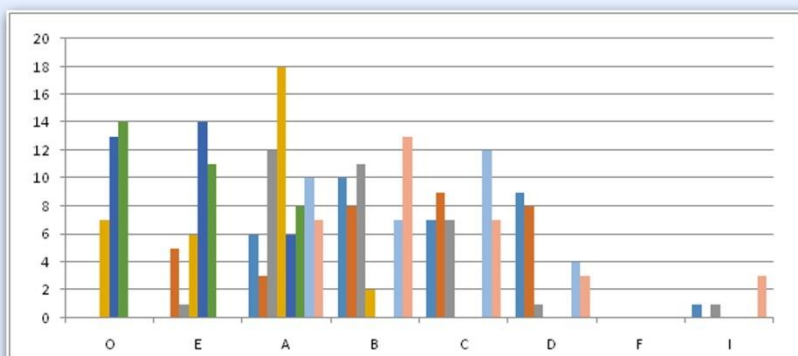
Result Analysis of BCA & MCA :

Result Analysis : BCA 5th Sem (MAKAUT)

Stream	BCA	Sem :	5th	Year:	3rd	Session:	2018-2019
1) No. of Students Appeared in Examination							33
2) No. of students successfully Completed without any Supplementary							33

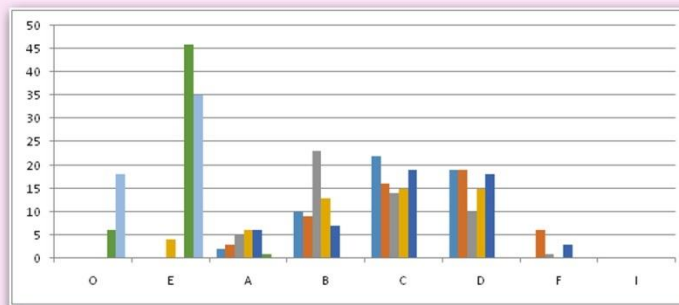
Grade wise Result Details

Paper Code	Grade wise no. of students							
	O	E	A	B	C	D	F	I
BCA501	0	0	6	10	7	9	0	1
BCA502	0	5	3	8	9	8	0	0
BCA503	0	1	12	11	7	1	0	1
BCA591	7	6	18	2	0	0	0	0
BCA592	13	14	6	0	0	0	0	0
BCA593	14	11	8	0	0	0	0	0
BCAE01C	0	0	10	7	12	4	0	0
HU501	0	0	7	13	7	3	0	3



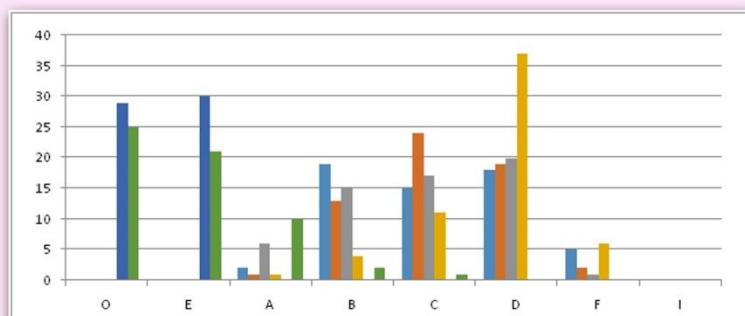
Result Analysis : BCA 3rd Sem (MAKAUT)

Result Analysis : BCA 3 rd Sem (MAKAUT)								
Stream	BCA	Sem :	3rd	Year:	2nd	Session:	2018-2019	
1) No. of Students Appeared in Examination								53
2) No. of students successfully Completed without any Supplementary								45
Grade wise Result Details								
Paper Code	Grade wise no. of students							
	O	E	A	B	C	D	F	I
BBA301	0	0	2	10	22	19	0	0
BCA301	0	0	3	9	16	19	6	0
BCA302	0	0	5	23	14	10	1	0
BCA303	0	4	6	13	15	15	0	0
BM301	0	0	6	7	19	18	3	0
BCA392	6	46	1	0	0	0	0	0
BCA393	18	35	0	0	0	0	0	0



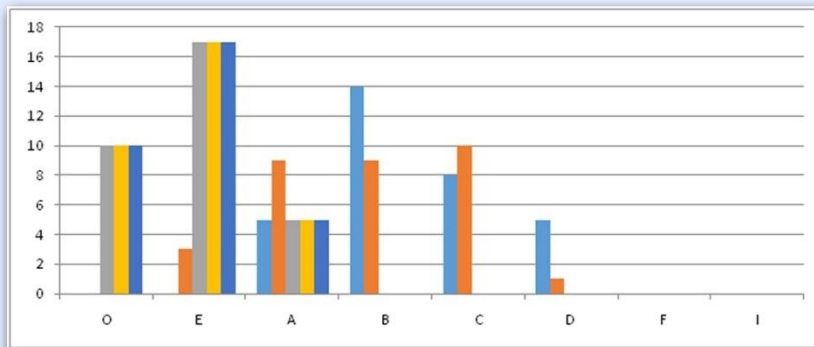
Result Analysis : BCA 1st Sem (MAKAUT)

Stream	BCA	Sem :	1st	Year:	1st	Session:	2018-2019	
1) No. of Students Appeared in Examination								59
2) No. of students successfully Completed without any Supplementary								47
Grade wise Result Details								
Paper Code	Grade wise no. of students							
	O	E	A	B	C	D	F	I
BCAN 101	0	0	2	19	15	18	5	0
BCAN 102	0	0	1	13	24	19	2	0
BCAN 103	0	0	6	15	17	20	1	0
BMN101	0	0	1	4	11	37	6	0
BCAN 181	29	30	0	0	0	0	0	0
BCAN 193	25	21	10	2	1	0	0	0



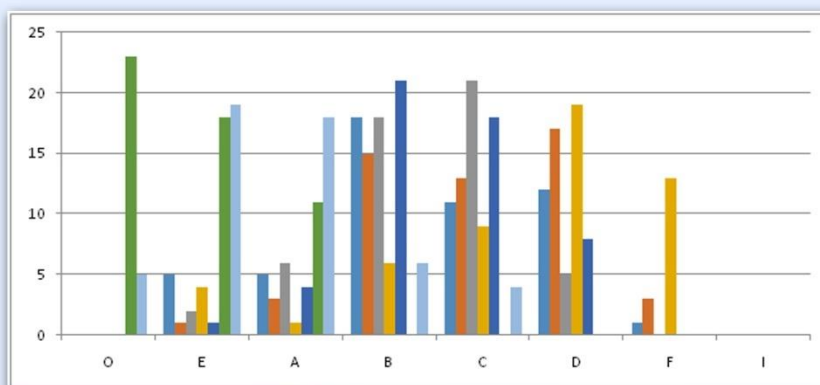
Result Analysis : BCA 6th Sem (MAKAUT)

Stream	BCA	Sem :	6th	Year:	3rd	Session:	2018-2019	
1) No. of Students Appeared in Examination							33	
2) No. of students successfully Completed without any Supplementary							33	
Grade wise Result Details								
Paper Code	Grade wise no. of students							
	O	E	A	B	C	D	F	I
BCAE601A	0	0	5	14	8	5	0	0
BCAE602B	0	3	9	9	10	1	0	0
BCA693	10	17	5	0	0	0	0	0
BCA694	10	17	5	0	0	0	0	0
BCA695	10	17	5	0	0	0	0	0

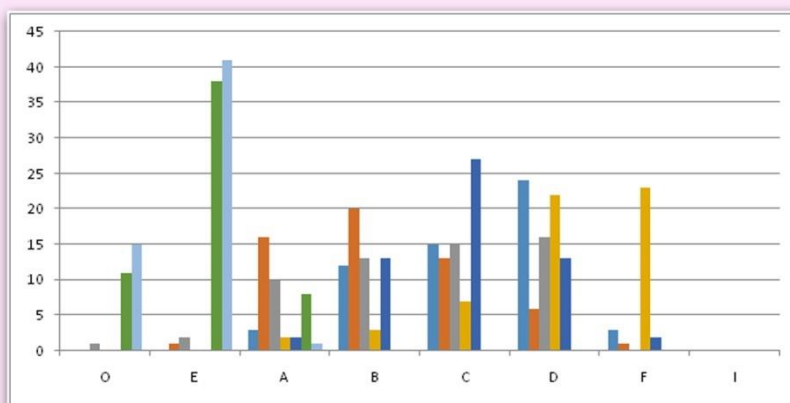


Result Analysis : BCA 4th Sem (MAKAUT)

Stream	BCA	Sem :	4th	Year:	2nd	Session:	2018-2019	
1) No. of Students Appeared in Examination							52	
2) No. of students successfully Completed without any Supplementary							41	
Grade wise Result Details								
Paper Code	Grade wise no. of students							
	O	E	A	B	C	D	F	I
BCA401	0	5	5	18	11	12	1	0
BCA402	0	1	3	15	13	17	3	0
BCA403	0	2	6	18	21	5	0	0
BM401	0	4	1	6	9	19	13	0
HU401	0	1	4	21	18	8	0	0
BCA491	23	18	11	0	0	0	0	0
BM491	5	19	18	6	4	0	0	0



Result Analysis : BCA 2 nd Sem (MAKAUT)									
Stream	BCA	Sem :	2nd	Year:	1st	Session:	2018-2019		
1) No. of Students Appeared in Examination									57
2) No. of students successfully Completed without any Supplementary									34
Grade wise Result Details									
Paper Code	Grade wise no. of students								
	O	E	A	B	C	D	F	I	
BCAN201	0	0	3	12	15	24	3	0	
BCAN202	0	1	16	20	13	6	1	0	
BCAN203	1	2	10	13	15	16	0	0	
BMN201	0	0	2	3	7	22	23	0	
HUN201	0	0	2	13	27	13	2	0	
BCAN293	11	38	8	0	0	0	0	0	
HUN291	15	41	1	0	0	0	0	0	



Result Analysis : Even Sem 2019 (MCA under Autonomy)						
Grade	MCA Sem – 2		MCA Sem – 4		MCA Sem – 6	
	No. of Std	% of Student	No. of Std	% of Student	No. of Std	% of Student
9-10.0	1	11.11	0	0	9	100
8-8.99	2	22.22	5	100	0	0
7-7.99	3	33.33	0	0	0	0
6-6.99	3	33.33	0	0	0	0
5-5.99	0	0	0	0	0	0
4-4.99	0	0	0	0	0	0
Less than 4	0	0	0	0	0	0
Total	9	99.99	5	100	9	100

Result Analysis : Odd Sem 2018-19 (MCA under Autonomy)						
Grade	MCA Sem – 1		MCA Sem – 3		MCA Sem – 5	
	No.of Std	% of Student	No.of Std	% of Student	No.of Std	% of Student
9-10.0	1	9.09	0	0	4	44.44
8-8.99	2	18.18	5	100	3	33.33
7-7.99	6	54.55	0	0	2	22.22
6-6.99	2	18.18	0	0	0	0
5-5.99	0	0	0	0	0	0
4-4.99	0	0	0	0	0	0
Less than 4	0	0	0	0	0	0
Total	11	100	5	100	9	99.99

Placement and Higher Studies :

Name of the Company	Departments	Organized by	Candidates
Genpact	BCA	GNIT	3
TCS	BCA	GNIT	2
Xplore Tech Services	BCA	GNIT	1
Netpro System	BCA	GNIT	1
Hash technology	BCA	GNIT	1
Capgemini	BCA	GNIT	1
Infosys	BCA	GNIT	1
Patel Information Technology Services	BCA, MCA	GNIT	7
Ayant	BCA	GNIT	5
Fixfin	MCA	GNIT	1
Wipro	BCA	GNIT	1
Nerdy Turtlez	MCA	GNIT	2
CTS	BCA	GNIT	2

Placement / Higher Studies/ Entrepreneurship data of 2019 Pass out batch (2016 – 2019)					
Stream	Batch	Total Number of Students	Placed	Higher Studies	Entrepreneuership
BCA	2016 – 19	32	14	10	2
MCA	2016 – 19	9	5	1	0

**GURU NANAK
INSTITUTE of
TECHNOLOGY**

**DEPARTMENT
OF
INFORMATION
TECHNOLOGY**

**Annual Report
2018-19**

Mission of the Department:

To build a quality and cutting edge technology infrastructure and deliver quality, prompt and reliable technology education services.

Establish and maintain an effective academic environment for students.

Engage in emerging research areas and establishing leadership.

Contribute to the community services at large as well as catering to socio-economic goals in local and national levels.

Vision of the department:

To create technical manpower of global standards with capabilities of accepting new challenges in the field of Information Technology to serve the society.

PEO:

PEO1: To prepare students to excel in graduate school or technical careers through a world-class, rigorous and competitive program in the field of Information Technology.

PEO2: To train students across the spectrum of basic and applied science, recognizing and exploiting common descriptions in disparate systems.

PEO3: To train students with sufficient scientific and Information Technology breadth to design and create novel solutions to real-life problems in computing domain.

PEO4: To develop student's professional and ethical attitudes, effective communication and teamwork skills, and an ability to place science and computational issues and solutions within the broader societal context.

PEO5. To provide students with an academic environment committed to excellence and innovation that contributes for developing role ready individual with leadership, professionalism, and life-long learning for professional careers in the field of Information Technology

PO:

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5.Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6.The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7.Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8.Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9.Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12.Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Brief overview of the department:

The Dept. of Information Technology, at the Guru Nanak Institute of Technology, Kolkata came into existence in the year 2007 for the benefit of Engineering, Science and Technology and the Nation on a larger scale. The department is renowned for its quality education, placement, discipline and very good learning environment for the students. Since its inception the department has been recognized for excellent in research and teaching. The department has a thriving research environment with active with active research groups in the areas of Artificial Intelligence, Bioinformatics, Complex and Social Networks, Data and Web Mining, and software Engineering. Graduates from the department are heavily recruited by both academia and industry, and ex-students of the department occupy top positions in both academia and industry all over the world.

We are proud of the success of our student alumni over years in industries like Infosys, TCS, Cognizant, TechMahindra, Wipro, Data 64, Tally, HCL Technology, Accenture, and many more. A handful percentage of students have gone for higher studies in reputed the institutes of India and abroad. Careers in IT are well paying and in high demand, hence our students face competition from engineering students of other branches and have to show their creativity and passion for IT. The aim of our accredited four year B.Tech. programme is to enable students to acquire specialized scientific knowledge, as well as to provide a basis for their personal, social and cognitive development. The future outlook for Information Technology students is indeed a bright one. Most students that come out of Information Technology dept. have a job already lined up for them when they graduate, because there is a high demand for Information Technology specialists, and not nearly enough people to fill the positions available at the time. There are bright career prospects for information technology professionals or software professionals in recent scenario. With the opening of huge software and IT companies in India, the demand for trained professionals have increased considerably. India is known to be a leader in software and IT sector. Information



HOD Message

It gives me immense pleasure to present brief report of Department of Information of Technology. The Dept. of Information Technology, at the Guru Nanak Institute of Technology, Kolkata came into existence in the year 2007 for the benefit of Engineering, Science and Technology and the Nation on a larger scale. Since its inception, the department of Information Technology has welcomed scholars and enrolled students whose inclination towards creative inquiry changes how we interact with and understand the world. No matter what the technology, our students and faculty are committed to a passionate pursuit of knowledge. The department has a team of highly experienced and motivated faculty members who are in process of tuning the young minds to make them globally competitive. The strength of the department is highly motivated students who understand the dynamics of the industry and upgrade their skills accordingly. The scope of Information Technology is endless. The students of the Information Technology are highly demanded by the recruiters of the top companies. Depending upon the interest of the student, he/she may choose to go for higher studies or if employed can choose to do research, development, testing or management in the Information Technology industry. In our department we not only give emphasis on study but also apply our knowledge in understanding what computers. We organized various seminars/workshops/industry visits regularly to make familiar students with recent trend in IT Industry.

Among the reasons why our graduates are such favorites of industry is the consistent hands-on experience-based approach of our curriculum, our excellent laboratories, the long-time connections between Department and the industry. Whether you are a student, parent, prospective faculty member or a curious member of the public, I invite you to become part of the GNIT-IT family. We hope you will also have the opportunity to visit us in our state-of-the-art facilities.

Sincerely
Sudeep Ghosh,
HOD
Department of IT

Department of Information Technology Organized FDP on “Research Overview on Data Warehouse”

Advisors:
Dr. Annapurna Das, Director, GNIT /
Dr. Sisir Kumar Das, Dean, GNIT

Chairman:
Dr. Santanu Kumar Sen, Principal, GNIT

Convener:
Mr. Sudeep Ghosh, Asst. Prof. & TIC, Dept. of IT

Coordinator:
Ms. Trishita Ghosh, Asst. Prof., Dept. of IT

Organizing Committee:
Mr. Tridib Chakraborty, Asst. Prof., Dept. of IT
Ms. Suparna Karmakar, Asst. Prof., Dept. of IT
Mr. Chowdhury Md. Mizan, Asst. Prof., Dept. of IT
Mr. Prem Sagar Das, JTA, Dept. of IT
Mr. Suraj Kr. Choudhary, 4th Year IT Student
Ms. Ritika Mondal, 4th Year IT Student
Mr. Rajarshi Saha, 2nd Year IT Student

Contacts:
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Asst. Professor, Dept. of IT, GNIT
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Mobile: (+91) 9933788789

Ms. Sanchari Saha
2nd Year IT Student
Email ID: paja2507@gmail.com
Mobile: (+91) 9051360193



**ONE WEEK FDP ON
RESEARCH OVERVIEW
ON
DATA WAREHOUSE
ON
31.12.2018 TO 4.1.2019**

—Organized by—
DEPARTMENT OF INFORMATION TECHNOLOGY
GURUNANAK INSTITUTE OF TECHNOLOGY
157/F, NILGANJ ROAD, PANIHATI, SODEPUR, KOLKATA-700114

Department of Information Technology Organized FDP on “Research Overview on Data Warehouse”

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Mr. Prem Sagar Das, JTA, Dept. of IT
Mr. Suraj Kr. Choudhary, 4th Year IT Student
Ms. Ritika Mondal, 3rd Year IT Student
Mr. Rajarshi Saha, 2nd Year IT Student

Contacts:
Ms. Trishita Ghosh
Asst. Professor, Dept. of IT, GNIT
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Mobile: (+91) 9933788789

Ms. Ritika Mondal
3rd Year IT Student
Email ID: ritzz2507@gmail.com
Mobile: (+91) 9051360193



**ONE WEEK FDP
ON
Machine Learning Using
Python
24.6.19 to 28.6.19**

—Organized by—
DEPARTMENT OF INFORMATION TECHNOLOGY
GURUNANAK INSTITUTE OF TECHNOLOGY
157/F, NILGANJ ROAD, PANIHATI, SODEPUR, KOLKATA-700114

Departmental achievements

a. Student's achievements

Faraz Ali and Megha Singh Member of winning team “Byte Me Up” in Smart India Hackathon-2019 Grand Finale , at Nodal Center C.V.Raman Engineering College, Bhubaneswar Nodal Center under FIS Solutions (INDIA) problem statement.



Titas Roychowdhury Holding highest YGPA score Passout batch 2019 .

Subhanwita Saha Holding highest YGPA score , Student of 7th semester.



Indrani Dey , Passout 2019 Received Elite+Silver certificate(received 84%) for the NPTL online certification course on Data base Management System.

Maitri Dey, Passout 2019 Received elite+silver certification (received 84%) for the NPTL online certification course on Data base Management System.



Other Students' Achievements:

☒ Mr Joy Mondal student of 4th year IT has received Best project Award in PHP from “Globsyn Finishing School” for the Project “Online movie ticket booking using PHP MVC FRAMEWORK” on 27 July,2019.

☒ Mr Joy Mondal student of 4th year IT has been Awarded with the “Faculty Choice Award” from the “Globsyn Finishing School” on 1st August,2019.

☒ Mr. Shubham Mukherjee student of 4th year IT has received the Best project Award in PHP from “Globsyn Finishing School” for the Project “Online movie ticket booking using PHP MVC FRAMEWORK” on 27 July,2019.

- ☒ Mr. Shubham Mukherjee student of 4th year IT has been Awarded with the “Faculty Choice Award” from the “Globsyn Finishing School” on 1st August,2019.
- ☒ Mr. Mridul Sahastudent of 4th year IT Has received the Best project Award in PHP from “Globsyn Finishing School” for the Project “Online movie ticket booking using PHP MVC FRAMEWORK”on 27 July,2019.
- ☒ Mr. Mridul Sahastudent of 4th year IT has been Awarded with the “Faculty Choice Award” from the “Globsyn Finishing School” on 1st August,2019.
- ☒ Mr. Najmul Hasan student of 4th year IT has received the Best project Award in PHP from “Globsyn Finishing School” for the Project “Online movie ticket booking using PHP MVC FRAMEWORK”on 27 July,2019.
- ☒ Mr. Najmul Hasan student of 4th year IT has been Awarded with the “Faculty Choice Award” from the “Globsyn Finishing School” on 1st August,2019.
- ☒ Mr. Subhamay Sadhukhan student of 4th year IT Has received the the Best project Award in Machine Learning Using Python from “Globsyn Finishing School” for the Project “Customer Churn Detection” on 27 July,2019.
- ☒ Mr. Subhamay Sadhukhan student of 4th year IT has been Awarded with the “Faculty Choice Award” from the “Globsyn Finishing School”on 1st August,2019.
- ☒ Mr. Ritwick Das student of 4th year IT Has received the the Best project Award in Machine Learning Using Python from “Globsyn Finishing School” for the Project “Customer Churn Detection”on 27 July,2019.
- ☒ Mr. Ritwick Das student of 4th year IT has been Awarded with the “Faculty Choice Award” from the “Globsyn Finishing School”on 1st August,2019.
- ☒ Mr. Pritwish Das student of 4th year IT Has received the the Best project Award in Machine Learning Using Python from “Globsyn Finishing School” for the Project “Customer Churn Detection”on 27 July,2019.
- ☒ Mr. Pritwish Das student of 4th year IT has been Awarded with the “Faculty Choice Award” from the “Globsyn Finishing School”on 1st August,2019.
- ☒ Mr. Sumit Saha student of 4th year IT has received the the Best project Award in Machine Learning Using Python from “Globsyn Finishing School” for the Project “Customer Churn Detection”on 27 July,2019.
- ☒ Mr. Sumit Saha student of 4th year IT has been Awarded with the “Faculty Choice Award” from the “Globsyn Finishing School”on 1st August,2019.
- ☒ Indrani Dey student of IT has received Elite+Silver certificate(received 84%) for the NPTEL online certification course on Data base Management System.
- ☒ Maitri Dey student of IT has received Elite+Silver certificate(received 84%) for the NPTEL online certification course on Data base Management System.
- ☒ Shalini Roy student of 3rd year IT has received Elite+Silver certificate(received 79%) for the NPTEL online certification course on Data base Management System.
- ☒ Sanjana student of 3rd year IT has received Elite certificate(received 70%) for the NPTEL online certification course on Data base Management System.
- ☒ Samarpita Sanki student of 3rd year IT has received Elite certificate(received 61%) for the NPTEL online certification course on Data base Management System.
- ☒ Faraz Ali, 3rd year IT Student was Member of winning team “Byte Me Up” in Smart India Hackathon-2019 Grand Finale , at Nodal Center C.V.Raman Engineering College, Bhubaneswar Nodal Center under FIS Solutions (INDIA) problem statement.
- ☒ Megha Singh, 3rd year IT Student Member of of winning team team “Byte Me Up” in Smart India Hackathon-2019 Grand Finale , at Nodal Center C.V.Raman Engineering College, Bhubaneswar Nodal Center under FIS Solutions (INDIA) problem statement.

☒ Soumi Chakraborty, 3rd year IT Student Member of team “We_Love_Food” qualified in Smart India Hackathon-2019 Grand Finale at Nodal Center NIT Calicut under Infosys problem statement.

☒ Ms. Ahini Roy, student of 2nd year, Department of IT has received Gold Status in NPTEL examination (Course: The Joy of Computing using Python) July-October, 2018. She has secured 94% marks. 10 students got Elite in NPTEL.

☒ 10 students got elite (60%– 89%) certificate in NPTEL.

☒ 31 students successfully completed (40%- 59%) in NPTEL.

9. Departmental events (for e.g., Industry visit, Industry mentor meet, BOS meeting pic, seminar, conference work, PTM, sports, wall magazine, newsletter and others)

a. Organized

SEMINAR WORKSHOP ORGANISED BY INFORMATION TECHNOLOGY

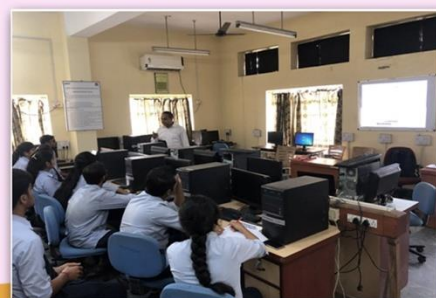


1. Department of IT organised an industry mentor meet on 31st August, 2019. Mr. Dipankar Saha, Senior Data Architect, TCS, was the speaker and Mr. Saha gave lecture on "Emerging Cloud Technology".



2. Industrial Seminar Workshop on PHP Programming (Industry mentor Meet) in collaboration with OgmaTech lab on 26TH Feb, 2018. Mr. Amar Banerjee, Project Manager, Ogma Tech Lab, was the speaker.

3. Industrial Seminar Workshop on Machine Learning in collaboration with OgmaTech lab on 16TH September, 2019. Mr. Amar Banerjee, Project Manager, Ogma Tech Lab, was the speaker



4. One day workshop on IOT with OgmaTech Lab on 4TH September 2019. Mr. Soumitra Das, Senior Developer and trainer, Ogma Tech Lab, was the speaker.



5. One day Industrial Visit on IOS Development and current trends in Industry , in collaboration with Globsyn technology on 3rd May, 2019.



6. Seminar on Recent trends of Data Science and its application on 26 August, 2018.

8. Two days' workshop on "Python Programming" on 24th and 25th October, 2018.

b. Participated

faculty & staff

Workshop and Seminar Participated

I.	Name of Participant	Dept.	Name of the Seminar/Workshop/Conf.	Date	Venue and Organized by
1	Sudeep Ghosh, HOD, IT	IT	DIGITAL DISRUPTION IN EDUCATION	31/01/2019	JIS GROUP
2	Mr. Tridib Chakraborty	IT	NISC 2019: Nasscom International SME Conclave	10/01/2019 To 11/01/2019	Nasscom /JIS GROUP
3	Mr. Chowdhury MD. Mizan	IT	Faculty Development Programme	15/01/2019 To 19/01/2019	APAI
4	All faculties of IT	IT	Seminar on High Performance Work Practices, Innovation, & Cross Cultural Research/ Balancing Research, Teaching & Service	07/03/2019	JIS Group

Name of Participant	Dept.	Name of the Seminar/Workshop/Conf.	Date	Venue and Organized by
Mr. Chowdhury MD. Mizan	IT	Globsyn College Connect-2019	30/04/2019	Globsyn
Chowdhury Md Mizan	IT	One week workshop on Cloud computing	15/07/2019 To 19/07/2019	JIS University
Ms. Trishita Ghosh	IT	Amazon Web Services (AWS) Initiate	02/08/2019	Amazon Web Services
Suddeep Ghosh, Assistant Professor , HOD II	IT	National Conference on the Theme of "Indian Higher Education: Quality Assurance, Accreditation & Ranking"	30/09/18	
Suparna Karmakar, Assistant Professor , II	IT	National Conference on the Theme of "Indian Higher Education: Quality Assurance, Accreditation & Ranking"	30/9/18	
Chowdhury Md. Mizan	IT	NASSCOM CIO meet at Salt Lake.	20.11.2018	
Suddeep Ghosh, Assistant Professor , HOD II	IT	A Training cum awareness program for Science Direct and Scopus was organised at Narula Institute of Technology	16.11.2018	

11. Publication

a. Faculty and staff

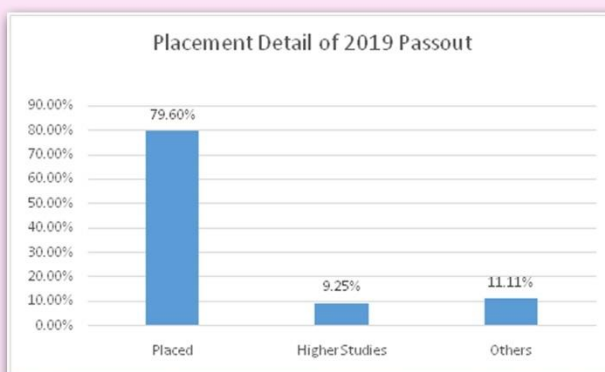
Journal- 06
Conference-07

b. Student

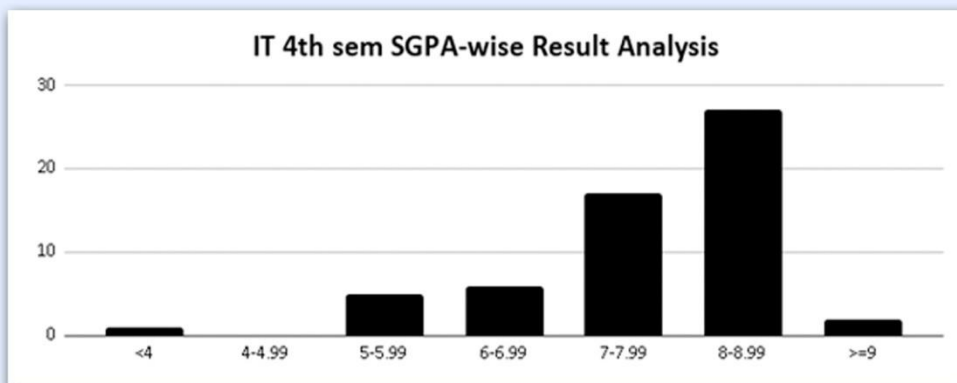
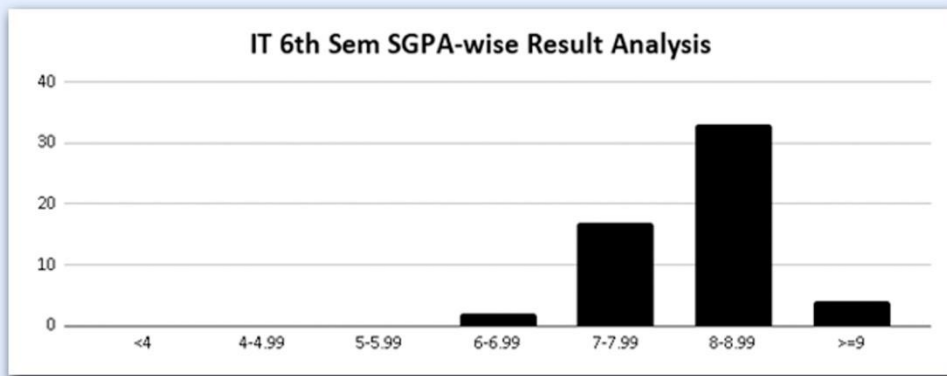
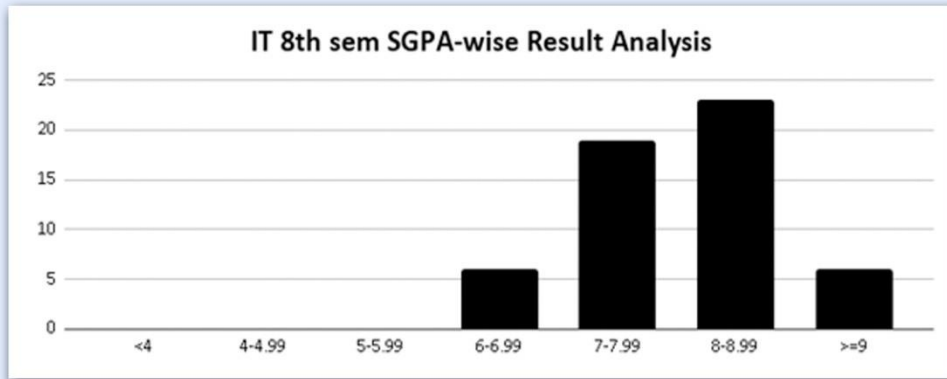
Journals-04
Conference-07

12. Placement and higher studies

Around 145 companies took part in placement of the students in the academic year 2018-19. Some of the major companies which hired our students are. The highest salary offered is Rs. 9.00 lacs Per annum by Think & learn (Byju's), Amazon -6 lacs Per annum. The average salary is. Rs. 2.20 lacs Per annum. Some students are going for higher study.



2. Result:



**GURU NANAK
INSTITUTE of
TECHNOLOGY**

**DEPARTMENT
OF
ELECTRONICS
AND
INSTRUMENTATIONS**

**Annual Report
2018-19**

Mission of the department :

- i. To provide high quality Technical education and Training in response to the changing needs of industries and Society through an innovative learning process related to Electronics and Instrumentation Engineering.
- ii. To develop employable and competent Electronics and Instrumentation engineers with high academic credentials and to inspire them to take up higher studies and research.
- iii. To contribute towards the betterment of society by imparting practical skills and technical knowledge to the students.
- iv. To make Engineers with high professional ethics, social and human values and responsive to community needs.

Vision of the department:

The Vision of the department is to create Electronics & Instrumentation engineers with outstanding technical competency acceptable worldwide to impart research aptitude for societal benefit.

PEO:

- **PEO1:** Graduates of AEIE program will be able to incorporate their knowledge to excel in professional career and also use the fundamental knowledge to enhance the power of invention, innovation & entrepreneurship.
- **PEO2:** Graduates of AEIE program will have strong foundation in mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems related to industry and research through lifelong learning.
- **PEO3:** Graduates of AEIE program will be able to inculcate the professional and ethical code of conduct, communication skills, and team work so as to use technology for the progress to the society.

PO:

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Brief overview of the department:

The department of EIE was established in the year 2003. This department emphasizes to create technical professionals who are keen to take engineering responsibilities with a vast knowledge of entire process, medical instrumentation and power plants – a specialization that has grown leaps and bounds in the recent years. The department is equipped with state of the art laboratories to impart technical skill to the students to make them proficient engineers. Instrumentation engineers work for industries with automated processes, such as chemical or manufacturing plants, with the goal of improving system productivity, reliability, safety, optimization and stability. They find jobs in various sectors including R&D units of public and private sector companies, heavy industries such as thermal power stations, steel plants, refineries, cement and fertilizer plants etc. like DRDO, ISRO, NTPC, DVC, SAIL, TATA Steel, Jindal Group of Industries, GAIL, IOCL, HPCL, BHEL, WBTL. They have a multidisciplinary role to play. One may choose to move sideways into other areas like Software (IBM, Infosys, TCS, CTS, Capgemini etc), Banking (SBI, UBI etc.), Education (Different degree & Diploma Engineering Institutions), Biomedical Instrumentation etc. Biomedical Engineering under EIE Dept. has excellent job prospects as demand for sophisticated medical devices has been increasing. This branch also deals with developing and manufacturing medical equipment, diagnostic devices. The department also encourages students to engage in different extra-curricular & co-curricular activities to develop personal & professional ethics and management.

HOD's picture:



HOD's message:

The department of AEIE was established with the vision to create technical professionals who are keen to take engineering responsibilities with a vast knowledge of entire process, medical instrumentation and power plants – a specialization that has grown leaps and bounds in the recent years. The department is equipped with state of the art laboratories to impart technical skill to the students to make them proficient engineers. The department also encourages students to engage in different extra-curricular & co-curricular activities to develop personal & professional ethics and management.

Departmental achievements:

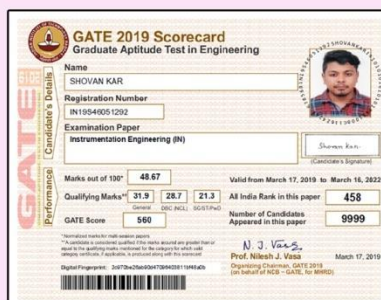
a. Student's achievements:

In Jan-June, 2019

- i) Debangana Das (2014 Pass out, Alumni): Secured 1st position in 'Anveshan: Student Research Convention', launched by the Association of Indian Universities (AIU), New Delhi, hosted by Ganpat University, Gujarat, with the duration 12-14th March 2019.
- ii) Debasish Basu (AEIE 4th Year):
 - a) 1st in GPS Treasure Hunt Game, organized by AIT Thiland in the duration 1-15th July 2019
 - b) 1st in Presentation on Climate Change Adaptation and Mitigation, organized by AIT Thiland Selected as Campus Ambassador, GNIT by EDGE'19, Annual Techno Management fest of Techno Mani, SaltLake on 1-15th July 2019
- iii) Sayani Roy, Sonali Das (AEIE, 2nd year): 1st Prize owner in Poster Competition on 30-31st August 2019 in FOOD ENVISION 2K19 -Organized by Food Technology, GNIT.



- vi) Shuvam Sarkar (AEIE 4th Year): Participated as Goal Keeper in clinched the Champions' Trophy in the Inter-college Football Tournament entitled "Soccer Strike 2019" organized by The SSKM Medical Hospital.
- v) Soumyjit Dutta (AEIE 2nd Year): Selected as Campus Ambassador, GNIT by DGE'19, Annual Techno Management fest of Techno Mani, Salt Lake, in the month of April, 2019
- vi) Atreyee Das (AEIE 3rd Year): 1st in Rangoli Competition organized By IEM Kolkata dated 27th Jan, 2019
- viii) Rank in GATE 2019:
- a) Shovan Kar (2017 batch): All India rank 458 and Gate Score 560 in Instrumentation.



b) Satish Kumar (2019 batch) : GATE Qualified

ix) Madhusudan Bar (2nd year AEIE)

He has won first prize in "LAUGHHA LAUGHY" Poetry Competition .

x) Aishik Datta and Abhishek Shil (Students of 3rd year AEIE)

Has won first prize in QUIZ Competition under TESSARACT on 2nd October, 2019, GNIT.

xi) Chanakya Fadikar (4th year, AEIE)

Won Second Prize in Short Put organized by GNIT on 7th March, 2019.

xii) Md Wasim Iqbal And Satyendra Patel (Students of 2nd year AEIE)

have participated and qualified upto semi final in Sardar Jodh Singh memorial cricket tournament during 17.02.2019-21.02.2019

xiii) Internship:

In Jan-June, 2019

- Shubhajit Dalal, Debdipta Bhunia (student of final year) got one month internship at VECC, Kolkata in July, 2019
- Aishik Dutta, Upasana Roy Chowdhury, Piu Roy (student of final year) got two month internship at CGCRI, Kolkata on July 2019
- Sumon Das, Kushal Chakraborty (student of final year) got one month internship at Ultratech, Salt Lake.

In July-December, 2018

- A team of students [Arpan Kr Lahiri (2019 Passout, Alumni) and Debashis Agasti (2019 Pass out EE)] was selected for the regional convention of AICTE- ECI-ISTE Chhatra Vishwakarma Awards 2018. Theme: "Empowerment of Villages through Technologies" Project Name: Empowerment the Rural Tourism and Rural Crafts in Villages through Technologies. They have presented the prototype at Techno International in front of the Jury members from AICTE on 2nd Nov 2018, which was highly appreciated.
- Arpan Kr. Lahiri (student of final year) got three months Internship at Ultratech in August, 2018.

a. Faculty's achievements:

In Jan-June, 2019

i)Dr. Paramita Banerjee:

Proposal of grant sent to SERB-CRG dated 31st May 2019 on a Prototype development of a Nano layered QCM-D bio sensor device for the detection of antigen-antibody reaction.

ii)Dr. Adhish Kumar Chakraborty:

has been selected as a reviewer for the Elsevier journal Automatica, which is a highly reputed journal in Control Engineering

iii) Kriti Awards in distinguished mentor:

- Mr.SudipKuila
- Dr. Paramita Banerjee
- Ms.Sanghamitra Layek
- Ms. SuparnaMaity
- Ms. Santana Das

In July-December, 2018

i)Ms Bapita Roy:

Patent Published on Low latency Wavelength Division Multiplexing system coupled with a short range surface Plasmon polariton waveguide in July 2018.

ii) Dr. Adhish Kumar Chakraborty:

- ELIT Category in NPTEL Exam: Outcome Based pedagogic principles for effective teaching on July 2018.
- Patent Published on Dual Condenser Packed Bed Distillation Column in July 2018.

iii)Dr. Paramita Banerjee :

a) Patent Published on Low latency Wavelength Division Multiplexing system coupled with a short range surface Plasmon polariton waveguide in July 2018.

b)Applied Project Grant titled Science Popularisation Programme: Winter Camp: Science in Young Hand authorized by Govt. of W.B., Department of Higher Education, Science & Technology and Biotechnology (DHESTBT) in August 2018

10. Departmental events :

In Jan-June, 2019

a) Industry Institute Interaction Activity:

Industry Visit to MSME TOOL ROOM, Kolkata: The Department of Applied Electronics & Instrumentation Engineering organized an Industrial Visit to MSME TOOL ROOM, Kolkata on 29th March, 2019. Through This industrial visit provides an exposure to students about practical working environment. It helps to enhance knowledge, research activities and professional skills towards the modern technologies and recent trends in the field of automation, cutting edge technology for machining, design and tooling development and engineering.

Department of Applied Electronics & Instrumentation Engineering Organized FDP on "Python & IoT"

Faculty Development Program
On

Python & IoT

17th-21th December, 2018

Organized by:

Institute of Engineers (I)
Student Chapter



Department of Applied Electronics
&
Instrumentation Engineering
Guru Nanak Institute of Technology

GNIT

In collaboration with

ARDENT COMPUTECH PVT LTD



Guru Nanak Institute of Technology
157/F, Nilgunj Road, Panihati,
Sodepur, Kol 114

Chief Patron

Mr. Taranjit Singh, MD, JIS Group

Patron

Mr. Simarpreet Singh, Director, JIS Group
Mr. Amandeep Singh, Director, JIS Group

Advisory Committee

Prof. (Dr.) Annapurna Das, Director, GNIT
Prof. (Dr.) Sisir K Das, Dean, GNIT
Prof. (Dr.) Santanu K Sen, Principal, GNIT

Chairperson

Mrs. Bapita Roy, H.O.D., AEIE, GNIT

Convenor

Mrs. Suparna Maity, Assistant Professor, GNIT

Organizing Committee

1. Dr. Adhish Kr. Chakrabarty, Registrar (actg.)
2. Dr. Paramita Banerjee
3. Mr. Sudip Kuila
4. Mrs. Santana Das
5. Mrs. Suparna Maity
6. Mrs. Saswati Chatterjee
7. Mrs. Nabamita Paul
8. Mr. Mrinmoy Dutta

Program Schedule

Registration	: 10:00 a.m.
Technical Session I	: 10:30 a.m. - 1:00 p.m.
Interactive Session	: 1:00 p.m. - 1:30 p.m.
Break	: 1:30 p.m. - 2:00 p.m.
Valedictory Session	: 2:00 p.m. Onwards

Participants

- Faculty Members
- Technical Staff

Mode of Selection

The filled registration form with self-signature is to be submitted to Registration committee members on the day of seminar. Registration forms are available from the department. Application will be accepted on a first come first serve basis.

No Registration Fee

Time

10:30 a.m. to 1:30 p.m.

Contact Person

Mrs. Suparna Maity, Asst. Prof., AEIE, GNIT
Ph: 9748134684

Email: head_aeie.gnit@jisgroup.org

Department of Applied Electronics & Instrumentation Engineering Organized FDP on "GreenIoT For Green Environment"

Faculty Development Program
On

GREEN IOT FOR GREEN ENVIRONMENT

10th-14th June, 2019

Organized by:

Institute of Engineers (I)
Student Chapter



Department of Applied Electronics
&
Instrumentation Engineering
Guru Nanak Institute of Technology

GNIT

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Contact Person

Mrs. Suparna Maity, Asst. Prof., AEIE,
GNIT
Ph: 9748134684

Email: head_aeie.gnit@jisgroup.org



Industry Mentor Meet: Department of Applied Electronics and Instrumentation Engineering has arranged an “Industry Mentor Meet” as a part of Induction program for the students on 2nd August 2019. Dr. Anirban Dhar, Senior Scientist of CSIR- Central Glass and Ceramic Research Institute has delivered lecture on “Application of Optical fiber in Instrumentation System”. The lecture was extremely informative and the students gathered good knowledge on Optical fiber and its use in Instrumentation systems. Dr. Dhar has also highlighted the scope of the instrumentation engineering in various fields and the students have got a clear view on their role and demand in the industry as Instrumentation Engineer.



Project Submission:

- A group of 3rd year students submitted the Project idea to Dare to Dream DRDO contest under the guidance of Mrs. Bapita Roy, H.O.D., AEIE on 31.03.2019
- Students of 3rd year presented their project “AGRI-robo” at CII under the mentorship of Mrs. Bapita Roy, H.O.D., AEIE on 22.02.2019 . Students got several idea for implement their ideas and got inspiration to initiate their own start up.

b) Seminar / workshop organized by Department:

- i) Department of Applied Electronics and Instrumentation Engineering has arranged a seminar on the topic “Control System & Measurement” on 4th February,2019.The session was conducted by Mr. Amarendra Reddy , Senior Manager (Electrical & Mechanism),Airports Authority of India, Coimbatore. It was very informative and interactive one.
- ii) Department of Applied Electronics and Instrumentation Engineering has arranged a seminar on "Scope of Biomedical Engineering & Importance of Skill Training" on 11th April, 2019 in collaboration with the Harvey Biomedical, Bangalore. This seminar helped the participants to obtain knowledge in wide range of biomedical instruments and most importantly the fields of the biomedical Industries where the instrumentation engineers can be recruited.



iii) Department of Applied Electronics and Instrumentation Engineering of Guru Nanak Institute of Technology organized a workshop on “Robotics and its modern trends” on 16th February 2019 onwards in collaboration with OGMA TechLab, Kolkata. The interactive session helped the students to develop their creative thinking skills and also to enhance their problem solving skills.



iv) Department of Applied Electronics and Instrumentation Engineering has arranged one week workshop on “Advance Microprocessors & Microcontrollers” in the duration 14.01.2019 to 18.01.2019 by the in-house faculty member Mr. Sudip Kuila. Students get benefited with the programming technique they have trained that will help them for executing the different small scale prototype development.

v) A one week workshop has organized by The Department of Applied Electronics and Instrumentation Engineering on the topic “Introduction to MATLAB” in the duration 14.01.2019 to 18.01.2019 for the 2nd Year student of the department by the in-house faculty members, Dr. Paramita Banerjee & Ms. Suparna Maity. Students were benefited with the programming technique they trained will be applicable for the designing the simulation based mini and major project prototype.

vi) A one week workshop has organized by The Department of Applied Electronics and Instrumentation Engineering on the topic “Introduction to C++” in the duration 14.01.2019 to 18.01.2019 for 3rd year students of the department. That was conducted by the in-house faculties Ms. Dola Saha & Ms. Somalina Choudhury of MCA department, GNIT. Students were highly benefited with this training of language that will help them for the development of technical language skill as well as they will use this language for development of simulation based project.

vii) A one week workshop has organized by The Department of Applied Electronics and Instrumentation Engineering on the topic “AutoCAD for Industrial Automation” with the duration 14.01.2019 to 18.01.2019 for 2nd year AEIE students. The workshop has conducted by Mr. Rajarshi Chakraborty & Mr. Debanjan Mondal, ASHU, GNIT. It was highly interesting and would be beneficial for designing any tool based project.

c)Publication of Departmental Wall magazine :

Department of Applied Electronics and Instrumentation Engineering has wall magazine "Fetialis Aevum" dated 26.2.2019 on the departmental wall. 2nd and 3rd year students of AEIE departments took the initiative to publish it. Wall magazine is an important means to enable the students to express their inner feelings. Students put up wonderful thoughts in the most creative and innovative format



d)Departmental Picnic:

Department of Applied Electronics and Instrumentation Engineering has organized a Departmental Picnic dated 10th March,2019 . That was the get together 2nd , 3rd &4th year students with all faculty members & technical assistant of the department as family member. This type of event is very much important for making a strong bonding between the teachers and students. New bonds developed among the students, older ones grew stronger



e)Beyond Syllabus Training Program :

☑ Students of 2nd year, 3rd Semester, Department of Applied Electronics & Instrumentation Engineering has organized a Beyond Syllabus Training programs has arranged for the students in the very beginning session of this odd semester on the Topic C Programming in the duration of 08/07/2019-12/07/2019 . student got exposure to a high level language to peruse their project activity.

☑ Students of 2nd year, 3rd Semester, Department of Applied Electronics & Engineering has organized a Beyond Syllabus Training programs has arranged for the students in the very beginning session of this odd semester on the Topic AutoCAD for Industrial Automation /Introduction to MATLAB programming in the duration of 15/07/2019-19/07/2019 for the farther application of this knowledge for various Experiments and data analysis activity.

☒ Students of 3rd year, 5th Semester, Department of Applied Electronics & Instrumentation Engineering has organized a Beyond Syllabus Training programs has arranged for the students in the very beginning session of this odd semester on the Topic Microcontroller Programming in the duration 08/07/2019-12/07/2019 to enhance the knowledge of introduction to the recent embedded technology.

☒ Students of 3rd year, 5th Semester Semester, Department of Applied Electronics & Instrumentation Engineering has organized a Beyond Syllabus Training programs has arranged for the students in the very beginning session of this odd semester on the Topic LabVIEW in the duration 15/07/2019-19/07/2019 which is very much essential for designing the different project module of control and sensor based practical systems and their data analysis.

f) Group Discussion :

Department of Applied Electronics and Instrumentation Engineering has organized a GD among 3rd year and final year students of AEIE department on 11th February, 2019. It was helpful to develop the interpersonal skills of the students, which will in turn help them during their interview sessions.

g) Interactive session and brush up course on MATLAB:

Department of Applied Electronics and Instrumentation Engineering has organized an Interactive session and brush up course on MATLAB for the final year students the It was helped them to carry out their final year project work and give them idea on different fields where they can use this tool.

h) Technical Skill Development program:

Department of Applied Electronics and Instrumentation Engineering has organized special Technical Skill Development program on every Friday in the month of January, 2019 for helping the students of final year to recapitulate the technical subject knowledge and the students will get an overview about the technical interview questions.

i) Model Presentation in Jan-June, 2019:

A group of student of third year of Department of Applied Electronics and Instrumentation Engineering, GNIT presented a Model on ' Prototype for Train Safety and Movement' in 4th Inter College Competition on "Prototype Design for Mankind" (ICCPDM) at Heritage Institute of Technology, Kolkata on 12th April, 2019.

j) Departmental Board of Studies meeting in Jan-June, 2019:

Departmental Board of Studies meeting of Applied Electronics & Instrumentation Engineering department was held at the conference hall of GNIT on 18th April, 2019 in presence of experts of BOS committee, all the faculty member & staff member of the department

(In July-Dec 2018)

a) Industry Institute Interaction Activity:

i) Industry visit in July- December 2018:

Industry Visit to Notion Automation Pvt. Ltd :

The Department of Applied Electronics & Instrumentation Engineering organized an Industrial Visit On 6th October, 2018 where Students got acquainted with the real time application of the PLC and SCADA.

Industry visit to GLOBSYN:

The Department of Applied Electronics & Instrumentation Engineering organized an Industrial Visit to GlobSyn Technology, Salt Lake on 20th November, 2018 for 3rd year students of the department. The students explored the basic concept of Machine learning, Artificial intelligence and related software development of IT products. The program also provided a practical overview of the organization structure and work procedure specially in the IT & Automation industry & Technical understanding of products/services, importance of High End Technologies for engineering student's & development of innovative projects.



ii) Industry Mentor Meet:

i) Students of AEIE department met with the Industry person Mr. Amit Kumar Singha , Senior Manager (Design), Instrumentation & Automation Dept., McNally Bharat Engineering Company Limited, Former Lead Engineer (DCS & Project) , Yokogawa Middle East B.S.C on 4th August 2018. Students get benefited regarding the present days job scenario of the industry and how to be prepare for the Modern industry



b) Alumni Entrepreneur Meet:

Mr. Uddipta Dutta, CEO, Techmeda Solutions(Alumni , AEIE); Ms. Panchali Kar , Senior Consultant, TCS (Alumni , AEIE) met the present students of AEIE department and encourage them to be prepare for the modern industry and keep going ahead without thinking of any back gear.



c) Seminer/workshop organized by Department in July –December 2018 :

(i) Workshop on Advance Process Control using PLC, DCS, SCADA dated 21-08-18 to 12-09-18 by the industry person Mr.Shankar Paul, Director, NotionAutomation Pvt. Ltd.

(ii) Department of Electronics and Instrumentation Engineering, has organized a seminar on "RECENT TRENDS ON AUTOMATION" on 18th august 2018.

Mr. Amit Kumar Singha, Senior Manager (Design), Instrumentation & Automation Dept., McNally Bharat Engineering Company Limited, Former Lead Engineer (DCS & Project) , Yokogawa Middle East B.S.C , in his illuminating speech, emphasized the Recent trends in automation, industry demand and expectations and tried to motivate students to streamline their energy and potentiality towards industry needs.



d) Beyond Syllabus Training Program in July –December 2018:

i) Applied Electronics & Instrumentation Engineering in collaboration with Notion and Automation Pvt. Ltd. conducted beyond syllabus two weeks hands on training on “Advanced process Control Using PLC & DCS ” from 21st of August to 12th September 2018 for the student of 7th semester emphasizing detailed analysis and case studies of PLC using Ladder programming, process logic and human machine interface. Understand SCADA architecture and communication protocols, Supervision and Control, HMI, RTU and Supervisory Stations, Comparison of PLC, SCADA and DCS Hands on Practice.



ii) The department has also organized a hands on training on “IOT based Instrumentation System ” from 27th September to 5th October,2018 for the student of 3rd semester of Applied Electronics & Instrumentation Engineering as a part of beyond syllabus training in collaboration with Notion and Automation Pvt. Ltd. This training emphasized on interoperability in IoT, Arduino Programming & Integration of Sensors and Actuators with Arduino, introduction to Python programming, introduction to Raspberry Picture, developing sensor based application through embedded system platform & Implementation of IoT with Raspberry Pi.



iii) The syllabus training on “AUTOCAD for Industrial Automation” by Mr. Rajarshi Chakraborty Assistant Professor,ASH,GNIT dated 2nd to 12th July 2018 where total participant was 31 Students. The Department of Applied Electronics & Instrumentation Engineering is glad to announce that the department has organized a 10 day’s workshop on “AUTOCAD for Industrial Automation" from 2nd to 12th July 2018 for the student of 3rd semester of Applied Electronics & Instrumentation Engineering as a part of beyond syllabus training.



(iv) Beyond syllabus training on “C language” by Mrs. Trisita Ghosh , Assistant Professor,IT GNIT in the duration 16th to 20th July 2018 where total participant was 31 Students.

(e) Departmental Board of Studies meeting in July-Dec, 2018:

Departmental Board of Studies meeting of Applied Electronics & Instrumentation Engineering department was held at the conference hall of GNIT on 18th September, 2018 in presence of experts of BOS committee, all the faculty member & staff member of the department

(f) Project Review Seminar:

The final year students had given the presentation on their Project work showing the status of project on 27th October 2018. During the presentation the supervisors interacted with the students, students got a good platform to present their work, to clear their doubts, getting more new ideas, and enough confidence

(g) TSD class:

Department of Applied Electronics and Instrumentation Engineering organized special Technical Skill Development program on every week in the month of as per routine, to impart the knowledge about the recent trends in industry. These classes are emphasized on the beyond syllabus topic, to give the exposure on the recent trends of technology to the students .

(h) GATE Preparatory class

Department of Applied Electronics and Instrumentation Engineering organized special GATE Preparatory class to prepare themselves for GATE exam. Classes are taken on basis of the syllabus of GATE , Mock tests are taken, to make ready the students for GATE exam and other related exams.

(i) Quiz and Debate competition

Department of Applied Electronics and Instrumentation Engineering organized Quiz and Debate competition on 1st September, 2018, to improve the communication skill and analytical ability. It was inter departmental Competition where 2nd, 3rd & 4th year students were divided into groups such that they may also learn the team work lead by the seniors.

(j) Mock Interview for the final year student:

To make the final year students ready for upcoming campus interviews the department of Applied Electronics & Instrumentation Engineering took this initiative and students were asked to be present with proper dress Code and Documents in the Mock Interview scheduled on 10.09.2018 & 1.11.2018.

(k) Mock test for 10+2 students & Career Counseling

The Department of Applied Electronics & Instrumentation Engineering has organized a Career Counselling Program and Mock Test for the students of class XI and XII of the nearby schools on 28th September 2018 at GNIT campus. The main objective of the program was to make an interface between school education with higher education, to aware the students about the latest technological aspects and also assist and inspire them to get higher ranks in the upcoming examinations.

(l) Parent _mentor meet in July –Dec, 2018:

The PARENT- MENTOR MEET 2018 was held on 11th November 2017

(m) Career Counselling Program at Kharagpur:

A school visit program has been arranged for career counseling on 15th Dec., 2018. at Kharagpur in Polytechnic boy's High school, Hijli High school & Nimpura Arya Vidyapith by the department of AEIE.

b. Seminar/workshop Participated by

i) faculty & staff:

(Jan –June, 2019)

1. Mrs. Bapita Roy, H.O.D. AEIE, attended a session on "Digital disruption in education" on 31st January, 2019 organized by Narula Institute of Technology.

2. Dr. Paramita Banerjee Assistant Professor, Dept. of AEIE, attended Seminar on "High performance Work Practice" by Prof. Richard A. Posthuma, Professor of Management (University of Texas El Paso) on 7th, March, 2019, organized by GNIT.

3. Mrs. Sanghamitra Layek, Assistant Professor, Dept. of AEIE, attended Seminar on "High performance Work Practice" by Prof. Richard A. Posthuma, Professor of Management (University of Texas El Paso) on 7th, March, 2019, organized by GNIT.

4. Mrs. Santana Das, Assistant Professor, Dept. of AEIE, attended Seminar on "High performance Work Practice" by Prof. Richard A. Posthuma, Professor of Management (University of Texas El Paso) on 7th, March, 2019, organized by GNIT.

5. Mrs. Suparna Maity, Assistant Professor, Dept. of AEIE, attended Seminar on "High performance Work Practice" by Prof. Richard A. Posthuma, Professor of Management (University of Texas El Paso) on 7th, March, 2019, organized by GNIT.

6. Mrs.Santana Das,Assistant Professor ,Dept. of AEIE, attended workshop on examination reformation on 25th January,2019 ,organized by Joint Venture of AICTE & JISU .

7. Dr. Adhish Kr. Chakrabarty,Asst. Prof., Registrar (acting), AEIE, attended a session on "Digital disruption in education "on 31st January,2019 organized by Narula Institute of Technology.

(July –Dec,2018)

1. Mrs. Bapita Roy, H.O.D.AEIE, attended Workshop on “Outcome Based Education & Process of Accreditation” in duration 19.07.2018 to 21.07.2019 organized by JIS Group.

2. Dr. Paramita Banerjee Assistant Professor ,Dept. of AEIE, attended One Week Faculty Development Program On Higher Education Faculty Career Orientation and Advancement (CEGR Certified Faculty) in duration 18.05.2018 to 21.05.2019organized by CEGR & JIS group

3. Mrs Sanghamitra Layek, Assistant Professor ,Dept. of AEIE, attended One Week Faculty Development Program On Higher Education Faculty Career Orientation and Advancement (CEGR Certified Faculty) in duration 18.05.2018 to 21.05.2019organized by CEGR & JIS group

4. Dr. Paramita Banerjee Assistant Professor, Dept. of AEIE, attended Outcome Based Education & Process of Accreditation in duration 19.07.2018 to 21.07.2019organized by JIS Group.

5. Mrs. Suparna Maity,Assistant Professor, Dept. of AEIE, attended Outcome Based Education & Process of Accreditation in duration 19.07.2018 to 21.07.2019organized by JIS Group.

6. Mrs. Sanghamitra Layek, Assistant Professor, Dept. of AEIE, attended National Conference on the theme of Indian Higher Education Quality assurance, accreditation and Ranking on 30th October, 2019 organized by JIS group.

7. Mr Sudip Kuila, Assistant Professor, Dept. of AEIE, attended National Conference on the theme of Indian Higher Education Quality assurance, accreditation and Ranking on 30th October, 2019 organized by JIS group.

8. Mrs Santana Das, Assistant Professor ,Dept. of AEIE, attended FDP on Induction Program during 16th -17th September October,2019 organized by AICTE

9. Mrs Santana Das, Assistant Professor, Dept. of AEIE, attended FDP on NBA Accreditation & Outcome Based Education during 19th -21th September October, 2019 organized by JIS Educational Trusty.

ii) by student:

(Jan –June,2019)

(1)2nd ,3rd and 4th ear student of Department of Applied Electronics and Instrumentation, GNIT attended Seminar on “Control System & Measurement” on 4th February,2019

(2) 2nd, 3rd and 4th year student of Department of Applied Electronics and Instrumentation, GNIT attended a seminar on "Scope of Biomedical Engineering & Importance of Skill Training" on 11th April, 2019

(3) 2nd, 3rd and 4th year student of Department of Applied Electronics and Instrumentation, GNIT attended a workshop on “Robotics and its modern trends” on 16th February 2019.

(4) 3rd year student of Department of Applied Electronics and Instrumentation, GNIT attended workshop on “Advance Microprocessors & Microcontrollers” in the duration 14.01.2019 to 18.01.2019

(5) 2nd year student of Department of Applied Electronics and Instrumentation, GNIT attended workshop on the topic “Introduction to MATLAB” in the duration 14.01.2019 to 18.01.2019

(6) 3rd year student of Department of Applied Electronics and Instrumentation, GNIT attended workshop on the topic “Introduction to C++” in the duration 14.01.2019 to 18.01.2019

(7) 2nd year student of Department of Applied Electronics and Instrumentation, GNIT attended workshop on the topic “AutoCAD for Industrial Automation” with the duration 14.01.2019 to 18.01.2019

(July –Dec,2018)

(1) 3rd and 4th year student of Department of Applied Electronics and Instrumentation, GNIT attended Workshop on Advance Process Control using PLC, DCS, SCADA dated 21-08-18 to 12-09-18.

(2) 2nd and 3rd year student of Department of Applied Electronics and Instrumentation, GNIT attended a seminar on "RECENT TRENDS ON AUTOMATION" on 18th august 2018.

11. Publication:

a. Faculty and staff:

International Journal: 1
International Conference: 6

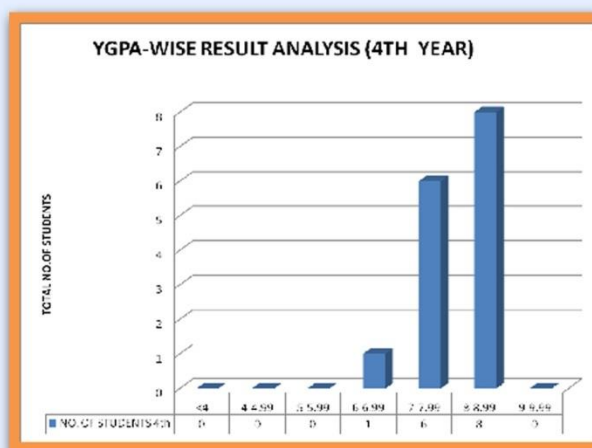
b. Student:

International Conference: 1

12. Result :

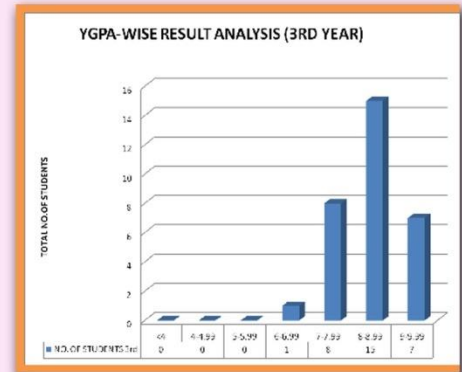
**YGPA wise result details
4th year**

STREAM	YEAR	<4	4-4.99	5-5.99	6-6.99	7-7.99	8-8.99	9-9.99
AEIE	4th	0	0	0	1	6	8	0



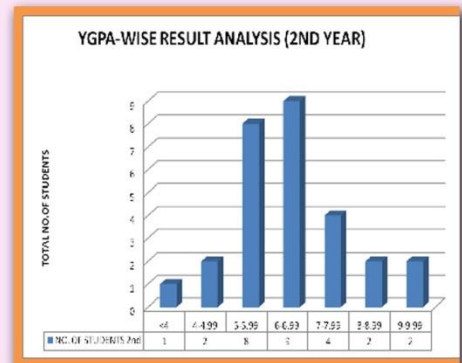
**YGPA wise result details
3rd year**

STREAM	YEAR	<4	4-4.99	5-5.99	6-6.99	7-7.99	8-8.99	9-9.99
AEIE	3 rd	0	0	0	1	8	15	7



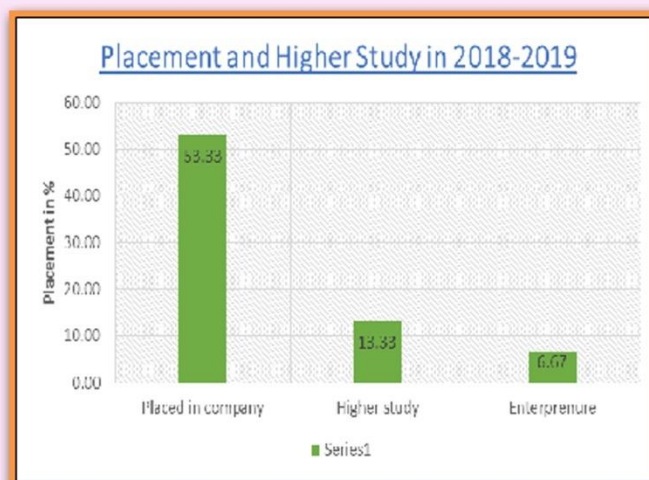
**YGPA wise result details
2nd year**

STREAM	YEAR	<4	4-4.99	5-5.99	6-6.99	7-7.99	8-8.99	9-9.99
AEIE	2nd	1	2	8	9	4	2	2



13. Placement and higher studies :

BAR GRAPH



**GURU NANAK
INSTITUTE of
TECHNOLOGY**

**DEPARTMENT
OF
HOSPITAL
MANAGEMENT**

**Annual Report
2018-19**

Mission of the Department.

- Our mission is to prepare individuals for leadership roles in healthcare management. Our curriculum provides the knowledge, skills, abilities and values to succeed in healthcare management.
- An emphasis on professional development and career planning in our traditional track prepares early careerists to transition effectively into entry-level management and leadership positions, while an emphasis on application and integration prepares early and mid-careerists in our executive track for positions of increasing responsibility. Our focus on core competencies and lifelong learning assists our alumni with continuing advancement during their careers.
- We deliver our program through guidelines by highly qualified faculty & Industry mentors engaged in different reputed healthcare organizations.

Vision of the Department.

- We are determined to create academic excellence that prepare students to fulfill their academic, professional and social goals & can produce the best human resources who are equipped to address the increasing demand and professional necessities of modern healthcare industry.
- We are dedicated to form a unique Center of learning with multidisciplinary activities where young students are transformed into trained and knowledgeable professionals, ready to face the challenges of the modern world.

Brief Overview of the Department.

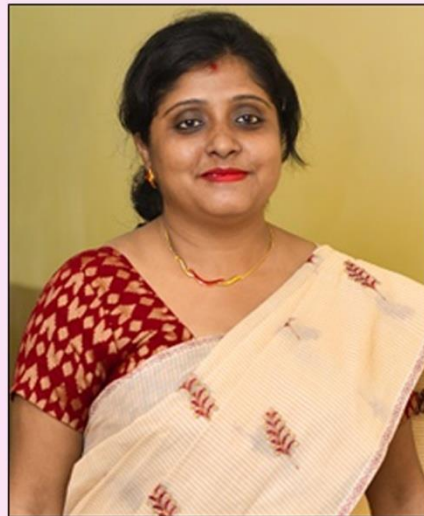
Medical establishments such as hospitals, clinics, rehabilitation centers and so on are looked upon as edifices of hope by the diseased and the ill. Like any other business, medical establishments are organized institutions. They follow complex processes and need efficient manpower to manage these processes.

Hospital management and administration is concerned with the organization, coordination, planning, staffing, evaluating and controlling of health services for the masses. The primary objective is to provide quality healthcare to people and that too in a cost-effective manner. Professional hospital administrators have proven how institutions can be managed proficiently, economically and successfully in a given time period.

There has been seen a remarkable growth in the hospital industry in India, which has led to a great demand and popularity of the hospital management related courses. The requirement of professional administrators in the hospitals is growing briskly mostly because the nature of work in hospitals is quite different from other organizations. Hospitals are expected to deliver quality service 24 x 7 x 365.

The urgent nature of its work and the level of efficiency that is expected have increased the need of well-formulated hospital management courses. Further, various educational institutes have started offering hospital administration courses in India. What's more, a career in hospital management helps you to achieve two goals in life, namely: a good pay package and service to mankind.

Head of the Department.



HOD's Message.

The institute has highly competent, committed and proficient faculty who has associated their personal aims and growth with that of institution. We concentrate on providing Group Discussion, Debates, Quiz, Extempore, Soft skill development programme. The students of my department have been actively participating in inauguration of drama & cultural Club, inauguration of wall magazine, arranging picnic and so on.

Departmental Achievements (Student's Achievements) "Kriti Award" Winner.



Ms. Debashruti Ganguly, HOD, BHM dept, achieved special contribution award as KRITI.
Ms. Debashruti Ganguly. (HOD- BHM) also Awarded with Kriti Award 2019 for outstanding Mentorship



Ms. Anurima Roy (2019 pass out) got KRITI award as departmental topper



Ms. Aastha Bhattacharya got KRITI AWARD as TOPPER of BHM 1st year.



Ms. Piu Chatterjee got KRITI AWARD as TOPPER of BHM 2nd year.

Ms. Arnabi Chatter(BHM,2nd year) got 2nd position in poster competition(27.02.2019) at Future Campus & got 1st position in Best Of Waste at JIS University(3rd & 4th April,2019)

Departmental Events



☒ Seminar

Department Hospital Management organized a seminar on " Career In Hospital Management In Modern Trends" on 21st February,2019.



☒ Adjunct faculty session

In line with institutional policy of harnessing industry expertise into academia, Ms. Tanuka Ghosh, Manager-Operations (Bhagirathi Neotia Women & Child Care Centre) and Adjunct faculty of Dept. of BHM conducted technical session on 15.02.19 and interacted with the students of BHM.



☒ Debate Session

Department of Hospital Management conducted debate session for BHM 2nd year students .



The Wall Magazine of the Department of Hospital Management for this semester was inaugurated on 9th April, 2019 in the presence of Principal Sir (Prof) Dr. Santanu Kr. Sen, (Prof.) Dr. Sisir Kr. Das, Dean, GNIT.



Mr. Suprakash Ghosh (Group Brand Head, Neotia Healthcare Initiative Ltd.), the Industry Mentor for students of the Department of HM, Guru Nanak Institute Of Technology, conducted an interactive session for the 1st, 2nd year students of BHM on 30th April, 2019.



☒ Talent Hunt

On 14th August, 2019, Department of Hospital Management conducted a Talent Hunt show for 1st year students during their induction programme.



☒ Alumni Meet

On 8th August,2019,Department of Hospital Management conducted a Alumni Meet for 1st year students during their induction programme.



☒ Industry Mentor Meet

Mr. Suprakash Ghosh(Group Brand Head,Neotia Healthcare Initiative Ltd.),the Industry Mentor for students of the Department of HM,Guru Nanak Institute Of Technology,conducted an interactive session for the 1st year students of BHM on 20Th August,2019.



☒ Seminar

A seminar was organized by dept. of Hospital Management on 23.10.2019 on “Maximizing Performance Of Health Care Professionals”



☒ Parent Mentor Meet 2019

Department of Hospital Management conducted Parent Mentor Meet on 19th October, 2019



☒ Inauguration of wall magazine

The Wall Magazine of the Department of Hospital Management for this semester has inaugurated on 23rd September, 2019 in the presence of Principal Sir (Prof) Dr. Santanu Kr. Sen, Dr. Adhish Kr. Chakrabarty, Registrar, GNIT..50 no. of students gathered in inauguration time.

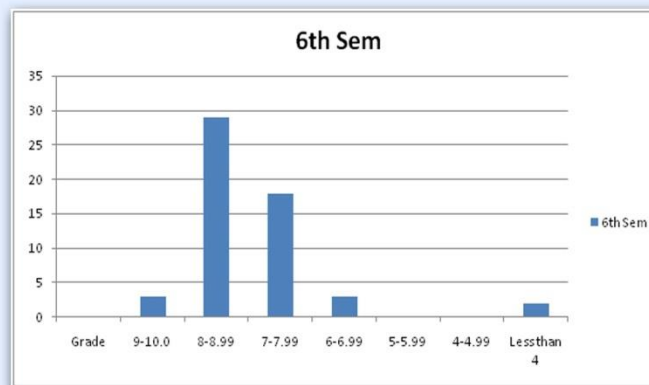
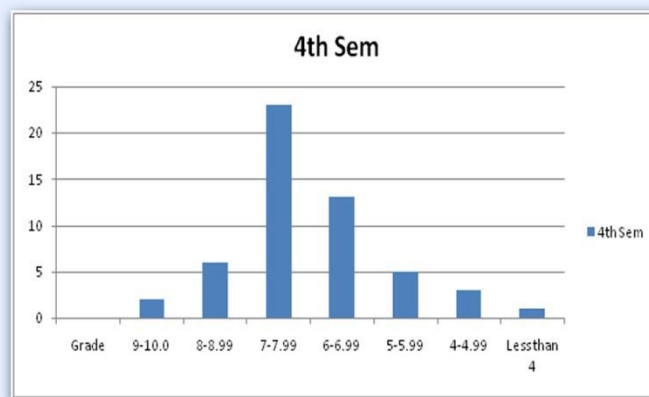
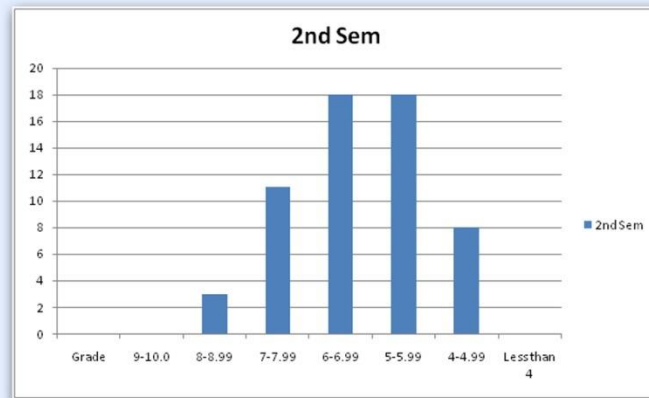
This Wall Magazine was named "**THOUGHT**" which emphasized on the human creation with critical analysis.



☒ Participation in International Conference

Ms. Debashruti Ganguly presented her paper in FEMAS, 2019.

Result Analysis



Placement Record(2019)

Branch: BHM

Pass-out Year-2019

Total no. Of Students passed in this year: 54

Total no. Of Students placed by T& P cell : 00

Total no. Of Students Placed by Dept/Off campus: 33

Total no. Of Students gone for higher studies: 10

Total no. Of Students could not be contacted: 00

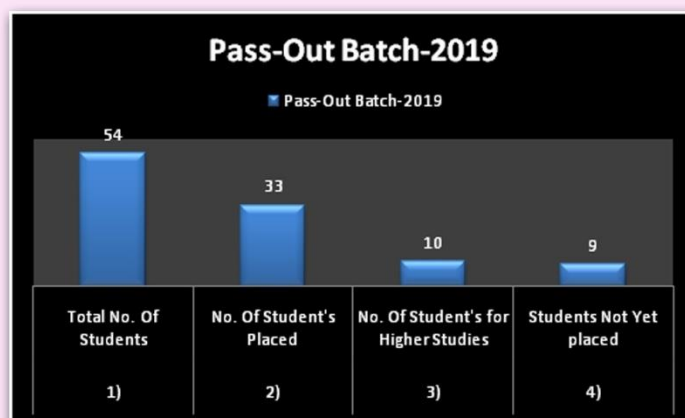
Others:

% of Placement: 85%

Sl No	Name Of The Student	Organization/Institute/University	Placed Through	Others(Entrepreneurship/Preparing for Govt. job/Competitive Examinations)
1.	Trijit Chowdhury	Neotia Plus	Department	
2.	Tania Bepary	Belle Vue Clinic	Department	
3.	Sunita Ram	Not Placed		
4.	Sumana Saha	Belle Vue Clinic	Department	
5.	Sudipta Bishnu	Renaissance Hospital	Off Campus	
6.	Suchetana Ghosh	Disha Eye Hospital	Off Campus	
7.	Subrata Maity	Not Placed		
8.	Subhro Chowdhury	Charnock Hospital	Department	
9.	Srinjoy Mondal		Higher studies	
10.	Srijita Maitra	Belle Vue Clinic	Department	
11.	Srabana Sen	Disha Eye Hospital	Off Campus	
12.	Sourav Nag			Preparing for Govt. Jobs
13.	Soumya Sankar Chowdhury	Charnock Hospital	Off Campus	
14.	Shreyashi Roy	Belle Vue Clinic	Off Campus	
15.	Santanu Banerjee			Preparing for Govt. Jobs
16.	Sanjana Ghosh		Higher studies	

17.	Samriddha Paul		Higher studies	
18.	Sampa Sadhukha	Not placed		
19.	Salima Yeshmin	Future Diagnostic Centre,Kalikapur	Department	
20.	Rahul Sarkar	Chamock Hospital	Department	Preparing for Govt. Jobs
21.	Preeti Kumari	Ohio Hospital	Off campus	
22.	Pousali Dutta			
23.	Pooja Ojha	HCG Hospital,Ahmedabad	Off campus	
24.	Payel Banerjee	Bengal Faith Medica	Off campus	
25.	Payel Panja	Not Placed		
26.	Payel Mondal	Ohio Hospital	Off Campus	
27.	Paramita Ghosh		Higher Studies	
28.	Paramita Chakraborty		Higher Studies	
29.	Pampa Layek	Health World,Durgapur	Off Campus	
30.	Niloy Kumar Newton	Gleneagles Global Health City,Chennai	Off Campus	
31.	Nayanika Dutta		Higher Studies	
32.	Mousumi Bhowmik	Motherhood Fertility Clinic,Kankurgachi	Off Campus	
33.	Mouli Roy	Not Placed		
34.	Monalisa Bose	Belle Vue Clinic	Department	
35.	Mita Kamila	ILS,Hospital,Dumdum	Off Campus	
36.	Kaustav das		Higher Studies	
37.	Kamalika das	Motherhood Fertility Clinic,Kankurgachi		

38.	Joyashree Maity	Not Placed	
39.	Jhilam Chatterjee	Bhagirathi Neotia Women & Child Care Centre	Off Campus
40.	Jayeta Ratna Sankari Chakraborty	Not Placed	
41.	Jahida Yeasmin	Not Placed	
42.	Hasan Raja	L&T Financial Services Co.	Off Campus
43.	Dishani Das	Apollo Hospital, Chennai	Off Campus
44.	Bishal Bhattaraj	Apollo Hospital, Guwahati	Off Campus
45.	Biplab Dey	Health Point, Kolkata	Department
46.	Ayantika Dutta		Higher Studies
47.	Avisikha Majumder		Higher Studies
48.	Anurima Roy	Bhagirathi Neotia Women & Child Care Centre	
49.	Ankika Saha		Higher Studies
50.	Anisha Ghosh	Not Placed	
51.	Animesh Mahato	Chamock Hospital	Department
52.	Ananta Dey	Institute Of Neuroscience, Kolkata	Off Campus
53.	Aditi Mondal	Motherhood Fertility Clinic, Kankurgachi	Off Campus
54.	Abhirup Dutta		Higher Studies



Dept	Particulars
AEIE and ASH	Dr. Adhish Chakraborty as PI and Dr. Sucharita Chakrabarti as Co-PI submitted a project proposal under SSTP scheme of DST, for Rs. 25.49 lacs in May 2018, Project title: Development and demonstration of infra-red sensor based early warning system to mitigate human elephant conflict in northern West Bengal. Cost: Proposed estimated cost of the project is Rs 25.49 lacs
	Dr. Anindita Ganguly and Somalina Choudhury of CA Dept (TARE-Teacher Associate ship in Research Excellence) 03.04.2018 SERB (Science & Engineering Research Board) DST, Delhi on Stochastic Pacing of Atrial fibrillation prevention 5.0 lacs.
	Dr. J K Das and Susovan Dutta submitted a project to SSTP, DST on Characteristics & feasibility Analysis of 10kwp Grid connected SPV system for Rs. 39.5 Lacs in May, 2018
ECE	Dr. Sunipa Roy Presented her research project under SERB, DST <i>entitled:</i> Development of Graphene based Ultrasensitive Smart Sensor for Volatile Organic Compound Detection on at ARCI, Hyderabad
	Dr. Sunipa Roy submitted Proposal for Entrepreneurship awareness camp Of Rs. 50,000/- to Department of Science & Technology, Govt. of India
	Suparna Biswas and Koushik Pal prepared proposal on Image Processing for SSTP, DST
CSE	Dr. Sayantan Nath and Sourish Mitra SSTP DST on Thermographic based Pollution Monitoring In Automobiles” 54.0 lacs in May 2018
Institutional (ECE)	FIST under DST 1.0 Crore within 15 th June 2018
Other Depts	Some other departments like AEIE, EE, ECE, CSE will submit project proposals to DSIR under the MSME's PRISM scheme

List of funded projects:

Sl. No	Title of the Project	File No.	Funding Agency	Status (whether ongoing/completed)	Amount (in Rs)
1	FIST program	SR/FST/College-466/2018	DST	Ongoing	60,00,000
2	MODROBS	9-78/RIFD/MODROB/Policy-1/2017-18	AICTE	Ongoing	14,12,000
3	TARE	TAR/2018/001383	SERB (under DST)	Ongoing	18,30,000
4	TGS	47/RIFD/TG/Policy-1/2017-18	AICTE	Completed	1,29,000
5	STTP	34-56/125/RIFD/STTP/Policy-1/2017-18	AICTE	Ongoing	2,98,000

For all these projects, the funds were received- in part or in full- during the academic year 2018-19.

FACULTY PUBLICATION:

Academic Year	Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
2018-19	CSE	0	2	6	6	14
	ECE	0	4	9	8	21
	AEIE	0	0	1	3	4
	EE	0	2	4	3	9
	IT	0	0	6	5	11
	ASH	0	1	3	4	8
	FT	0	9	5	0	14
	CA	0	0	0	0	0
			0	18	34	29

STUDENT PUBLICATION:

Academic Year	Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
2017-18	FT	0	6	4	0	10
	AEIE	0	0	0	0	0
	IT	0	0	6	4	10
	CSE	0	2	6	4	12
	EE	0	2	0	3	5
	ECE	0	0	0	0	0
	ASHU	0	0	0	0	0
			0	10	16	11

Faculty Publication Details

DEPARTMENT: FT

National Seminar / Conference

- **Kakali Bandyopadhyay. (2018).** “Studies on the Effects of Fortification in Soybean Oil During Frying” Airticle published in OTAI Annual News Letter 2018
- **Anju Paul (2018).** “Insect as Food” Abstract published in Seminar proceedings of National Seminar on “Recent Innovations in Food and Nutritional Sciences” Organized by Department of Nutrition Mugberia Gangadhar Mahavidyalaya In collaboration with Internal Quality Assurance Cell, Mugberia Gangadhar Mahavidyalaya, held on 31st August, 2018.
- **Shairee Ganguly (2019),** “Preparation of Ber Jam”, Abstract published in Seminar proceedings of National Seminar on”12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.
- **Shairee Ganguly. Arka Roy Chowdhury (2019),** “Banana Pseudo Stem – An Unexplored Possibility”, Abstract published in Seminar proceedings of National Seminar on “12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.
- **Dr. Anju Paul (2019),** “Migration of Toxic Chemicals Compounds in Food Form Packaging Material” Abstract published in Seminar proceedings of National Seminar on “12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.
- **Dr. Anju Paul (2019),** “Production of Dietary Fiber from Fruit Waste” Abstract published in Seminar proceedings of National Seminar on “12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.
- **Dr. Kakali Bandyopadhyay, Shairee Ganguly. (2019),** “Vegetable Skin Powder – Utilization of Nutritional Active Vegetable Leftovers” Abstract published in Seminar proceedings of National Seminar on “12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.
- **Dr. Anju Paul. (2018)** “Vitamin D : Some Important Informations” -Full paper published in Popular Science-Sharadiya Sankhya- Sep-Oct 2018.
- **Dr. Anju Paul (2019)** “Dairy Sheep Farming for Doubling the Farmer Income” -Full Paper published in Indian Dairyman, Feb 2019, Vol 71, No. 2, ISSN 0019-4603.

International Journal

- **Anju Paul, Sreyasree Basu, Mainak Debnath and Amit Kumar Barman ,** “ A veteran vitamin in versatile role: Vit K, The Pharma Innovation Journal, 7(9): 337-342 (2018), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03
- **Dr. Kakali Bandyopadhyay and Ms. Shairee Ganguly,** “Development and characterization of Biocolor (Brassica oleracea var. capitata f.rubra) fortified lime squash”, The Pharma Innovation Journal, ISSN (E): 2277- 7695 (2018), ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Dr. Kakali Bandyopadhyay and Ms. Shairee Ganguly,** “A Relative Study on Utilization of Fenugreek Seeds for Enhancement of the Antioxidant Activities in Various Baked Product”, International Journal of Agriculture & Environmental Science, ISSN 2394 – 2568 (2019), Impact Factor 1.47.
- **Kakali Bandyopadhyay and Shairee Ganguly,** “Studies on Extraction of Polyphenols from Food Wastes and Its Utilization for Fortification of Polyphenols”, International Journal Of Agricultural Engineering, 11(1):216-219 (2018) ISSN (E): 0976-7223, ISSN (P): 0974-2662, NAAS Rating 4.43.

- **Dr. Anju Paul Analysis and study on the antioxidant of citrus fruits**, The Pharma Innovation Journal, 2019; 8(5): 397-398, ISSN (P): 2349-8242, NAAS Rating 5.03, Impact Factor 5.98, ICV:82.77. Peer Reviewed Journal, Refereed Journal, Indexed Journal.(2019).

DEPARTMENT: ASH

National Seminar / Conference

- **Sourav Pal, Sourav Paul, Mainak Debnath, Indrajit Bhattacharyya, Sreyasree Basu***, "A Survey of Drinking Water Quality Parameters in different Districts of West Bengal", 3rd Regional Science and Technology Congress (Southern region), 2018, held during 18-19 December, 2018 organized by Bidhannagar College, Govt. of West Bengal and Department of Science and Technology and Bio-technology, Govt. of West Bengal.

International Seminar / Conference

- **Rajarshi Chakraborty, Arnab dey and Dr. Ratan Mandal**, "Conceptual approach of a Solar Thermal Steam Generator and its design & optimization" presented in International Conference of Sustainable Waste Management 8th ICON SWM 2018 held at Acharaya Nagarjuna University, Vijaywada during November 22-24,2018.
- **Sucharita Bhattacharyya, Souvick De, Shilajit Dey** (Guru Nanak Institute of Technology) & **Anwesh Bhowmick** (Guru Nanak Institute of Pharmaceutical Science and Technology)"Collapse of natural carcass disposal system – Kolkata rotten meat incidence: The insight study".Paper accepted for oral presentation at 8th ICON SWM 2018 during (22-24)November , 2018 at Acharjya Nagarjuna University, Guntur Vijaywada.
- **Anup Kumar Thander, Sucharita Bhattacharyya**"Application of Higher Order Compact (HOC) FDM in combination with Successive over Relaxation (SOR) method in Optical Waveguide Communication problems." Paper accepted for oral presentation at ICCACCS-2018 during (23-24) November 2018 at NIT, Aggarpara.
- **Sreyasree Basu*, Indrajit Bhattacharyya, Mainak Debnath and Arup Mukherjee** (UGC Professor, Dept. of Bio Technology, MAKAUT, Haringhata), "Exploring the conceit structural behavior of Guar gum: Why the polysaccharide is a must in Italian ice cream?" International conference of Carbohydrate Chemistry, held during 19-21 December, 2018 at IISER, Kolkata.

International Journal

- **Sreyasree Basu, Arup Mukherjee, Sonia Kundu***, "Semi-interpenetrating hydrogels from carboxymethyl guar gum and gelatin for ciprofloxacin sustained release", International Journal of Biological Macromolecules (ELSEVIER), 120 (2018) 1823–1833, ISSN: 0141-8130.
- **Anju Paul, Sreyasree Basu, Mainak Debnath, Amit Kumar Barman**, "A veteran vitamin in versatile role: Vit K", The Pharma Innovation Journal, 2018, 7(9), 337-342, E-ISSN: 2277-7695, P-ISSN: 2349-8242, NAAS Rating: 5.03
- **Chinmay Ghosh, Sanjoy Biswas**, "On the hyperbolic valued measure", Emerging Trends in Electronic Devices and Computational Techniques, DOI: 10.1109/EDCT.2018.8405075, Publisher: IEEE, ISBN No.978-1-5386-1484-6

DEPARTMENT: CSE

National Seminar / Conference

- **Moloy Dhar**, "Implementation of Driverless Pod Using Voice Commands" published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.
- **Ipsita Saha** "A sustainable Solution towards E-waste Recycling", published on International Society of Waste Management, Air and Water Consortium of Researchers in International Colaboration (ISWMAW), 20 th April, 2019, IEM Kolkata.

International Seminar / Conference

- **Ipsita Saha, Amit Kundu, Sadhan Kumar Ghosh**, "A Business Model for Enterprise Resource Planning (ERP) by Establishing a Sustainable Supply Chain Management", 8th International Conference on Solid Waste Management at Achharyya Nagarjuna University, Vijaywada, pp.160 – 165, 22nd -24th November, 2018.
- **Rahul Baidya, Ipsita Saha, Tapobrata Bhattacharya , Sadhan Kumar Ghosh**, " Sustainable Waste Transportation in Kolkata Using DBMS and Image Sensing", 8th International Conference on Solid Waste Management at Achharyya Nagarjuna University, Vijaywada, pp. 306 – 311, 22nd -24th November, 2018.
- **Avirup Das, Srabani Kundu**, "To protect ecological system from electromagnetic radiation of mobile communication", International Conference on Distributed Computing and Networking (ICDCN 2019), PP-469-473. November-2018.
- **Sayani Chandra**, "Microcontroller Based Automated Room Light & Fan controller", IEEE Explore, ISBN:978-1-5386-1484-6, doi: 10.1109/ EDCT.2018.8405097 ,September-2018.
- **Ipsita Saha**, "Implementing Extended Producer Responsibility into the ERP model" pp. 1-5, IEEE Explore, ISBN:978-1-5386-1484-6, doi: 10.1109/ EDCT.2018.8405097 ,September-2018.
- **Moloy Dhar**, " Design of Driverless Pod Using Voice Commands : A Novel Approach", published in ICEECC-2019, Pailan College of Management & Technology, April 26-27, 2019.

International Journal

- Sandip Kumar Karmakar, Poulomi Kumar, Prothit Das, Rinki Dutta, Suman Roy Choudhury, Bidyutmal Saha, Rafiqul Islam, Sourish Mitra, "A Microcontroller Operated LASER based Railway Gate and Signal Controlling System with Efficient Accident Prevention Strategy via IP-Webcam related Video-Surveillance" published on International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 7, Thompson Reuters indexed, UGC recognized, Issue IV, Apr 2019.
- Surajit Das, Rajib Bhowmik, Sanjay Dey, Shiladitya Saha, Sourish Mitra, Sayani Chandra, Pallabi Das, Ipsita Saha "Bluetooth Controlled Farming Machine using Arduino" published in International Journal- IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-, 2321-9653, pp-2262-2269 April, 2019

- Prithwish Roy, Puja Mandol, Rajaditya Pramanik, Rupak Bhowmik, Samarpita Bhowmick, Sayani Chandra, Sourish Mitra, Pallabi Das, "Microcontroller based Fire Extinguisher with Bluetooth operated LPG Gas Leakage Detection and Prevention System", published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681-2016, Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-, 2321-9653, April, 2019.
- Tuhina Basu, Sraboni Kundu, Nirupam Saha, Sourish Mitra, Sayani Chandra, Sangeeta Bhattacharya, Ipsita Saha, Bidyutmal Saha, "A Wireless Framework for Emergency Health Care System" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681-2016, Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-2321-9653, April, 2019.
- Subhasis Thakur, Subhashis Thakur, Sourav Nandy, Sujoy Maikap, Sudeshna Ghosh, Souvik Sur, Moloy Dhar, Sourish Mitra, Srabani Kundu "Bluetooth Based Microcontroller Operated Baby Bed Security System with IP Webcam Video Monitoring" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681-2016, Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-, 2321-9653, April, 2019.
- Anindita Ghosh, Debolina Mukherjee, Deepjyoti Das, Manisha Chakraborty, Sayani Chandra, Sourish Mitra, Nirupam Saha, Ipsita Saha, "Colour based Product Organization Tool using Arduino" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681-2016, Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-, 2321-9653, April, 2019

DEPARTMENT: AEIE

International Journal

- Bapita Roy, Rajib Chakraborty, " Segmented multimode to dual port slot couplers as compact optical sensors with improved sensitivity "Journal of Modern Optics, SCI indexed, impact factor: 1.267 ISSN: 0950-0340 (Print) 1362-3044 (Online) Journal homepage: <http://www.tandfonline.com/loi/tmop20>.

International Seminar / Conference

- Paramita Banerjee, Ratna Ghosh and Bhaswati Goswami, " Analysis of major mode of vibration of a RFA based dental implant stability measuring sensor with varying length of L arm", IEEE Conference on Applied Signal Processing 2018, December 7-9, 2018 at Jadavpur University.
- Paramita Banerjee, Ratna Ghosh, "Electrical equivalent cascade model of piezoelectric based sensor", IEEE Conference on Applied Signal Processing 2018, December 7-9, 2018 at Jadavpur University.
- Debojyoti Banerjee, Paramita Banerjee, Bhaswati Goswami and Ratna Ghosh, "Electrical equivalent cascade model of piezoelectric based sensor", IEEE Conference on Applied Signal Processing 2018, December 7-9, 2018 at Jadavpur University.

DEPARTMENT: IT

International Seminar / Conference

- Suparna Karmakar, “Activity Oriented Petri Net Model Based Realization of Airport Apron Traffic Dynamics Modelling”; International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019) April 26-27, 2019.
- Tridib Chakraborty, “Monitoring Suspicious Discussions on Social Media Case Study”; International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019) April 26-27, 2019.
- Chowdhury MdMizan, “Matrix method for distinction between Text and Non-text Images”; International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019) April 26-27, 2019.
- Sudeep Ghosh, “Clustered Fault Tolerance Redundant TSVs Placement for 3D Integrated Circuit” 37th IEEE International Conference on Computer Design (IEEE ICCD’19), November 17 - 20, 2019, New York University – Abu Dhabi Campus, United Arab Emirates (U.A.E.). (Communicated).
- Tridib Chakraborty, Ipsita Bera, Indrani Dey “Market basket analysis-A formal approach” International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019), April 26-27, 2019. Kolkata.

International Journal

- Pradipta Karmakar, Mizan Chowdhury, Sayak Dasgupta, Saptaparna Das. “Distinction between text and non-text using Ensemble classifier.” International Journal of Computer Science and Engineering (ISSN: 2347-2693) Vol. 7, issue 5, May 2019.
- Pradipta Karmakar, Mizan Chowdhury, Sayak Dasgupta, and Tridib Chakraborty, “Mean Average Accuracy for text and non-text images using SVM classifier.” International Journal of Computer Science and Engineering (ISSN: 2347-2693) Vol. 7, issue 5, May 2019.
- Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Niraj Pandey, “TSV based 3D-SIC Testing” International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN: 2454-132X) Page -1403-1406 Volume-5, Issue-3, June, 2019
- Tridib Chakraborty, Trishita Ghosh, Sudeep Ghosh, Monishankar Nath, “Hybrid routing protocol in Vehicular Ad-hoc Network,” International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN:2454-132X) Page -1385-1387 Volume-5, Issue-3, June, 2019.
- Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Rohan Rajak “International Journal of Scientific and Engineering Research (IJSER)” (ISSN-2229-5518) Volume 10, Issue 6, June 2019.
- Indrani Dey, Tridib Chakraborty, Trishita Ghosh, Chowdhury Md Mizan “Intelligent Chatbot Using Machine Learning” Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN:2454-132X) Page -1285-1288 Volume-5, Issue-3, June, 2019.

DEPARTMENT: EE

National Seminar / Conference

- Sneha Sarkar, Sayoni Ghosh , Sayantan Saha, Dr. J K Das , Susovan Dutta, “Development of a low cost IOT sensors suite framework for remote sensing applications”, 10th Academic Meet 2019 organised by FOSET on 31st March, 2019.
- Anindita Ganguly, Sanjib Kumar Samanta, Roudri Samanta, Nilotpal Chakraborty, Neelakshi Ganguly and Aishik Panigrahi ,“A Computational approach to broad Cardiac disorders in the light of Ayurveda” presented at FOSET, NSHM campus, 10th academic meet 2019.

International Seminar / Conference

- Sailesh Verma, Aniruddha Ghosh, Anindita Ganguly, “Analysis of time delayed nonlinear equations using HF functions” 19th-21st July, 2018 presented at International Conference on Mathematical Modelling and Scientific computing (ICMMSC 2018 at IIT Indore).
- Anindita Ganguly, Tathagata Roy Chowdhury, Suman Kumar Ghosh, Aishik Panigrahi, Nilotpal Chakraborty and Anirudhha Ghosh, “Unidentified input observer: comparative study through Block pulse function and Hybrid function” presented at CIPR-2019, IEST Shibpur on 19-20 Jan.
- Nilotpal Chakraborty, Anindita Ganguly, Neelakshi Ganguly, ”Solving Stochastic Differential equations by Hybrid Functions” presented at MSAST 2018, Indismart Hotel, Saltlake on 21-23 Dec 2018.

International Journal

- Suman Ghosh, Dr. J. K. Das, Prof(Dr) Chandan Kr. Chanda, “Placement of phasor measurement unit for complete observability of isolated micro grid system”, Microsystems Technologies, Springer, vol 25, issue 4, March 2019. SCI Indexed
- Dr. J. K. Das et al , “Power tracing & mapping of dynamic behaviour of a microgrid”, IE(I) Annual Technical Volume, April 2019. ISBN : 978 – 81-939709-4-2, SCOPUS Indexed.
- Barnali Kundu, S. Mondal, S. Roy, S. K. Giri, S. Pal “Modelling and Analysis of Photovoltaic Grid Interfaced System using P&O Algorithm based MPPT”, International Journal of Computer Sciences and Engineering, vol. 7, no. 18, pp. 226-230, May 2019.
- Debasree Saha, B. K. Saha Roy, P. N. Das, “ Online adaptive protection scheme for electrical distribution network with high penetration of renewable energy sources”, Journal of Engg. Research Vol. 8 No. (2) June 2019 pp. 242-258 (SCI indexed).

DEPARTMENT: ECE

National Seminar / Conference

- Kausik Pal, "GSM Based Home Automation System" published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.
- Kausik Pal, "Empowerment of Villages Through Technology" published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.
- Dr. Sunipa Roy, "Green Power Generation for Rural Development" published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.
- Dr. Suparna Biswas, Mr. SayanRoy Chaudhuri, "XOR Problem Solution Using Neural Network" published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.

International Journal

- Sunipa Roy et.al. , "Facile Synthesis of ZnO Nanofoam on ZnO Nanowire for Hydrogen Gas Detection", Published in Nanoscience and Nanotechnology Asia (Bentham Science), Article in press. (Impact factor: 0.73). DOI : 10.2174/2210681208666180927103948, November, 2018
- Sunipa Roy et.al. , "Development of microcontroller based integrated gas sensor system for detecting combustible gases", Facile synthesis of multi-layer graphene by electrochemical exfoliation using organic solvent, Nanotechnology Reviews (DE GRUYTER), Accepted, Article in press. (Impact factor: 1.945), October, 2018.
- Avali Ghosh, Sisir K. Das and Annapurna Das, "Modeling of Via Interconnect through Pad in Printed Circuit Board", accepted in The Applied Computational Electromagnetic Society Journal- ACES (SCI Expanded) on 09th Dec 2018.
- Surajit Basak , "Spectrum-aware outage minimizing cooperative routing in cognitive radio sensor networks", article in press in Springer Journal of Wireless Networks.
- Avali Ghosh, Sisir K. Das and Annapurna Das, "Interference Effects of Via Interconnect in Three Layer Printed Circuit Board", The Applied Computational Electromagnetic Society Journal ACES (SCI Expanded), Vol. 33, No. 9, September 2018, p1040-1047.
- A. Majumdar, S. K. Das, And A. Das, "Ultra Wide Band Cpw Fed Patch Antenna With Fractal Elements And Dgs For Wireless Application", Pier, Accepted On 9th July 2019.
- Poulomi Das, Pratyasha Mitra, Ankita Pal, Kaustuva Chakraborty and Surajit Basak, "On BER Minimizing Routing and Power Allocation in Multi-Hop Cognitive Radio Ad-Hoc Networks", International Journal of Engineering Science and Computing (IJESC), vol. 9, no. 5, pp. 22288- 22290, May 2019.
- "Stability and Control of Quadcopter", Avali Banerjee , Tanusri Roy, Titas Ghosh, Stuti Ghosh and Srijoni Malakar in IJSRD - International Journal for Scientific Research & Development Vol. 7, Issue 03, 2019 ISSN (online): 2321-0613, p1914-1918.
- "IoT Based Auto-Irrigation System for Agriculture", Avirup Mondal, Bikram Saha, Ananya Biswas, Anurima Majumdar, Antara Ghosal, International Journal of Emerging Science and Engineering (IJESE) at Volume-6 Issue-4, June 2019

International Seminar / Conference

- Suparna Biswas, “Compressive sensing based expression recognition”, accepted in Second International Conference on Advanced Computational and Communication Paradigm (IEEE) Will be held on 25-28 February 2019.
- Dr. Sunipa Roy,”Synthesis of Multi Layer Graphene by Electrochemical Exfoliation using Alkaline Solvent”, published in PRAYAS 2019 IET-UK (Kolkata LN), MCKV Institute of Engineering, April 27, 2019.
- Dr. Suparna Biswas,”COMPRESSIVE SENSING BASED EXPRESSION RECOGNITION” published in IEEE sponsored International Conference on Advanced Computational and Communication Paradigms ,Sikkim Manipal Institute of Technology, Sikkim. April,2019.
- Mr. Sayan Roy Chaudhuri,“LASER Based Communication System”, published in PRAYAS 2019 IET-UK (Kolkata LN), MCKV Institute of Engineering, April 27, 2019.
- Soma Boral,”Optimal Path Selection in Node-disjoined Multipath Routing in MANET Using AODV Protocol” published in PRAYAS 2019 IET-UK (Kolkata LN), MCKV Institute of Engineering, April 27, 2019.
- Surajit Basak,“On Network Lifetime Centric Resource Allocation in Multi-band Cognitive Radio Networks.” published in PRAYAS 2019 IET-UK (Kolkata LN), MCKV Institute of Engineering, April 27, 2019.
- "PADMINI: AN INTELLIGENT WOMEN SAFETY DEVICE", Ayon Majhi, Atanu Kumar Bagh, Ankan Das, Ayon Maji, Anurima Majumdar, IEEE CASS TECHNICAL PAPER CONTEST 2019 Jointly Organized By IEEE CASS Student Branch Chapter And IEEE CASS Kolkata Section, 3rd May 2019

"Li-Fi : Design And Implementation Of Visible Light Communication", Joy Das, Kushal Ghosh, Atanu Chowdhury, Arijit Bhukta, Anurima Majumdar, IEEE CASS TECHNICAL PAPER CONTEST 2019 Jointly Organized By IEEE CASS Student Branch Chapter And IEEE CASS Kolkata Section , 3rd May 2019

StudentsPublication Details

DEPARTMENT: FT
National Seminar / Conference

- Reema Ghosh, Prankur Thakur (2018). “Insect as Food” Abstract published in Seminar proceedings of National Seminar on “Recent Innovations in Food and Nutritional Sciences” Organized by Department of Nutrition Mugberia Gangadhar Mahavidyalaya In collaboration with Internal Quality Assurance Cell, Mugberia Gangadhar Mahavidyalaya, held on 31st August, 2018.
- Sramana Roy, Prithweejit Bhattacharyya (2019), “Preparation of Ber Jam”, Abstract published in Seminar proceedings of National Seminar on ”12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.

- Ankita Bishnu, Ayanwita Saha (2019), “Migration of Toxic Chemicals Compounds in Food Form Packaging Material” Abstract published in Seminar proceedings of National Seminar on “12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.
- Debalina Biswas, Sourakhita Sarkar (2019), “Production of Dietary Fiber from Fruit Waste” Abstract published in Seminar proceedings of National Seminar on “12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.
- Shreya Biswas, Lopamudra Banerjee (2019), “Vegetable Skin Powder – Utilization of Nutritional Active Vegetable Leftovers” Abstract published in Seminar proceedings of National Seminar on “12th all India Peoples’ Technology Congress” organized by FOSET, held on 17th Feb, 2019.

International Journal

- Ms. Riya Dasgupta, “Development and characterization of Biocolor (Brassica oleracea var. capitata f.rubra) fortified lime squash”, The Pharma Innovation Journal, ISSN (E): 2277- 7695 (2018), ISSN (P): 2349-8242, NAAS Rating 5.03.
- Rupsa Roychowdhury “A Relative Study on Utilisation of Fenugreek Seeds For Enhancement of the Antioxidant Activities in Various Baked Product”, International Journal of Agriculture & Environmental Science, ISSN 2394 – 2568 (2019), Impact Factor 1.47.
- Anusree Modak, Studies on Extraction of Polyphenols from Food Wastes and Its Utilization for Fortification of Polyphenols, , International Journal Of Agricultural Engineering, 11(1):216-219 (2018) ISSN (E): 0976-7223, ISSN (P): 0974-2662, NAAS Rating 4.43.
- Debarati Bhattacharyya ,”Analysis and study on the antioxidant of citrus fruits”, The Pharma Innovation Journal, 2019; 8(5): 397-398, ISSN (P): 2349-8242, NAAS Rating 5.03, Impact Factor 5.98, ICV:82.77. Peer Reviewed Journal, Refereed Journal, Indexed Journal.

DEPARTMENT: CSE

National Seminar / Conference

- Srotoswini Chanda, Sukanya Rakshit, Subham Banerjee, Moloy Dhar ,”Implementation of Driverless Pod Using Voice Commands” published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.
- Jacky Kumar Shaw, Anuja Mukherjee, Dibas Das, Ipsita Saha “A sustainable Solution towards E-waste Recycling”, published on International Society of Waste Management, Air and Water Consortium of Researchers in International Colaboration (ISWMAW), 20 th April, 2019, IEM Kolkata.

International Seminar / Conference

- Sukanya Rakshit, "Smart Mirror-a Secured Application of Artificial Intelligence Recognizing Human Face and Voice", International Conference IEEE(IEMCON), October, 2018.
- Pritam Roy, Jui Saha, Nikkon Dutta, "Microcontroller Based Automated Room Light & Fan controller", International Conference(EDCT-2018) IEEE Explore, ISBN:978-1-5386-1484-6, doi: 10.1109/ EDCT.2018.8405097, September-2018
- Ipsita Saha, "Implementing Extended Producer Responsibility into the ERP model" pp. 1-5, IEEE Explore, ISBN:978-1-5386-1484-6, doi: 10.1109/ EDCT.2018. 8405097, September-2018.
- Swastik Bhattacharya, Srotoswini Chanda, Moloy Dhar, " Design of Driverless Pod Using Voice Commands : A Novel Approach", published in ICEECC-2019, Pailan College of Management & Technology, April 26-27, 2019.

International Journal

- Sandip Kumar Karmakar, Poulomi Kumar, Prothit Das, Rinki Dutta, Suman Roy Choudhury, "A Microcontroller Operated LASER based Railway Gate and Signal Controlling System with Efficient Accident Prevention Strategy via IP-Webcam related Video-Surveillancing" published on International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 7, Thompson Reuters indexed, UGC recognized, Issue IV, Apr 2019.
- Surajit Das, Rajib Bhowmik, Sanjay Dey, Shiladitya Saha, Sourish Mitra, Sayani Chandra, Pallabi Das, Ipsita Saha "Bluetooth Controlled Farming Machine using Arduino" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-,2321-9653, pp-2262-2269 April, 2019.
- Prithwish Roy, Puja Mandol, Rajaditya Pramanik, Rupak Bhowmik, Samarpita Bhowmick, Sayani Chandra, Sourish Mitra, Pallabi Das, "Microcontroller based Fire Extinguisher with Bluetooth operated LPG Gas Leakage Detection and Prevention System", published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-,2321-9653, April, 2019.
- Tuhina Basu, Sraboni Kundu, Nirupam Saha, Sourish Mitra, Sayani Chandra, Sangeeta Bhattacharya, Ipsita Saha, Bidyutmal Saha, "A Wireless Framework for Emergency Health Care System" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-2321-9653, April, 2019.
- Subhasis Thakur, Subhashis Thakur, Sourav Nandy, Sujoy Maikap, Sudeshna Ghosh, Souvik Sur, Moloy Dhar , Sourish Mitra, Srabani Kundu "Bluetooth Based Microcontroller Operated Baby Bed Security System with IP Webcam Video Monitoring" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-,2321-9653, April, 2019.

- Anindita Ghosh, Debolina Mukherjee, Deepjyoti Das, Manisha Chakraborty, Sayani Chandra, Sourish Mitra, Nirupam Saha, Ipsita Saha, "Colour based Product Organization Tool using Arduino" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-,2321-9653, April, 2019

DEPARTMENT: IT

International Seminar / Conference

- Mitu Maity, Ayantika Sarbajna, Suparna Karmakar, "Activity Oriented Petri Net Model Based Realization of Airport Apron Traffic Dynamics Modelling"; International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019) April 26-27 , 2019 .
- Ipsita Bera, Indrani Dey, Tridib Chakraborty, "Monitoring Suspicious Discussions on Social Media Case Study"; International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019) April 26-27, 2019.
- Pradipta Karmakar, Mizan Chowdhury, Sayantan Jana, Sayak Dasgupta, Subham Paul, Rimpi Das and Saptaparna Das "Matrix Method for Distinction between Text and Non-text images" International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019), April 26-27.2019. Kolkata.
- Ipsita Bera, Indrani Dey "Market basket analysis-A formal approach", International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019), April 26-27.2019. Kolkata.

International Journal

- Pradipta Karmakar, Mizan Chowdhury, Sayak Dasgupta, Saptaparna Das. "Distinction between text and non-text using Ensemble classifier." International Journal of Computer Science and Engineering (ISSN: 2347-2693) Vol. 7, issue 5, May 2019.
- Pradipta Karmakar, Mizan Chowdhury, Sayak Dasgupta, and Tridib Chakraborty, "Mean Average Accuracy for text and non-text images using SVM classifier." International Journal of Computer Science and Engineering (ISSN: 2347-2693) Vol. 7, issue 5, May 2019.
- Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Niraj PandeY, "TSV based 3D-SIC Testing" International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN:2454-132X) Page -1403-1406 Volume-5, Issue-3 ,June, 2019.
- Tridib Chakraborty, Trishita Ghosh, Sudeep Ghosh, Monishankar Nath, "Hybrid routing protocol in Vehicular Ad-hoc Network," International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN:2454-132X) Page -1385-1387 Volume-5, Issue-3, June, 2019.
- Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Rohan Rajak "International Journal of Scientific and Engineering Research (IJSER)" (ISSN-2229-5518) Volume 10, Issue 6, June 2019 .
- Indrani Dey, Tridib Chakraborty, Trishita Ghosh, Chowdhury Md Mizan "Intelligent Chatbot Using Machine Learning" Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN:2454-132X) Page -1285-1288 Volume-5, Issue-3 ,June, 2019.

DEPARTMENT: EE

International Seminar / Conference

- Sailesh Verma, Aniruddha Ghosh, “Analysis of time delayed nonlinear equations using HF functions” 19th-21st July, 2018 presented at International Conference on Mathematical Modelling and Scientific computing(ICMMSC 2018at IIT Indore).
- Tathagata Roy Chowdhury, Suman Kumar Ghosh, Aishik Panigrahi, Nilotpal Chakraborty and Anirudhha Ghosh, “Unidentified input observer: comparative study through Block pulse function and Hybrid function” presented at CIPR-2019, IEST Shibpur on 19-20 Jan.
- Nilotpal Chakraborty, Neelakshi Ganguly, ”Solving Stochastic Differential equations by Hybrid Functions” presented at MSAST 2018, Indismart Hotel, Saltlake on 21-23 Dec 2018.

National Seminar / Conference

- Sneha Sarkar, Sayoni Ghosh , Sayantan Saha,“Development of a low cost IOT sensors suite framework for remote sensing applications”, 10th Academic Meet 2019 organised by FOSET on 31st March, 2019.
- Sanjib Kumar Samanta, Roudri Samanta, Nilotpal Chakraborty, Neelakshi Ganguly and Aishik Panigrahi ,“A Computational approach to broad Cardiac disorders in the light of Ayurveda” presented at FOSET, NSHM campus, 10th academic meet 2019.

GNIT Student Football Team won the Runner Trophy of MAKAUT Inter College Football Tournament for Zone 3 in 2018.



GNIT football won match of Reliance foundation football Tournament at YMCA Maidan Ground



The 1st Sardar Jodh Singh Memorial Volleyball Tournament 2018 was played during 28th Sept, '18 to 1st Oct, '18 at GNCC Ground in the fond memory of our beloved Chairman, JIS Group

The Annual Sports of GNIT was held on 7th of Feb, '19



Team GNIT clinched the Champions' Trophy in the Inter-college Football Tournament entitled "Soccer Strike 2019" organized by The SSKM Medical Hospital



A high level delegation from Bhutan visited GNIT on 6th July, '18

Training on Outcome Based Education organized during 16th July, '18 to 24th July, '18



Orientation Programme for First Year Students on 30th July, '18

Mr. Beni Kinha, an eminent Motivational Speaker & Trainer conducted a session on "Stress Management and Blissful Life Skills" for First Year Students on 01.08.18



Book Fair organized by Central Library on 9th Aug, '18

Ms. Priya Kantam conducted a session on Mind Management, Yoga & Meditation on 9th Aug, '18 for First Year Students



Sri Radhaballav Das of ISKON conducted a session teaching key strategies on Stress Management and live a blissful life on 3rd Aug, '18



GNIT conducted massive awareness Rally towards Social Harmony, Environmental Sustainability and Swachhata on 16th College Foundation Day

Three days Entrepreneurship Awareness Camp sponsored by Entrepreneurship Development Institute of India (DST-NIMAT Project) organized at GNIT from 29th Aug, '18 to 31st Aug, '18



Teachers' Day celebration at GNIT on 5th Sept, '18

GNIT celebrates Viswakarma Puja on 17th Sept, '18



GNIT celebrated SAMPAN2K18 (Fresher's Welcome 2018) on 20th Sept, '18

A Poster Competition was organized on 11th Oct, '18 at GNIT exhibition gallery on the theme of Energy Conservation, Green energy, Ethical Use of Energy Saving



GNIT employees, NSS SFU student members visited two Old age Homes and Orphanage and distributed sweets and fruits to all members during second half of 2nd Nov, '18.

GNIT hosted the INDIAN COMPUTING OLYMPIAD 2019 in association with Codechef, on 2nd Dec, '18.



GNIT hosted International Coding event ACM ICPC 2018 during 21st Dec, '18 to 22nd Dec, '18

GNIT paid homage to our beloved Babuji, Late Sardar Jodh Singh Ji, honorable Founder Chairman, JIS Group.



GNIT hosted the final round of The Indian National Olympiad in Informatics (INOI-2019), organized by Indian Assoc. for Research in Computer Science in partnership with Codechef on 27th Jan, '19.

GNIT walks in remembrance of the sacrifices of immortal martyrs and heroes of India on 18th Feb, '19. More than 1000 students, faculty members and Staffs joined hands in over a kilometer long Candle March



GNIT hosted the ALUMNI MEET - SAMANNOY 2019 on 16th Feb, '19



GNIT organized Parent-Mentor Meet 2018 on 29th Sept, '18



Euphonious 2k19 - the Inter Institutional Cultural Competition was organized by GNIT on 8th Feb, '19

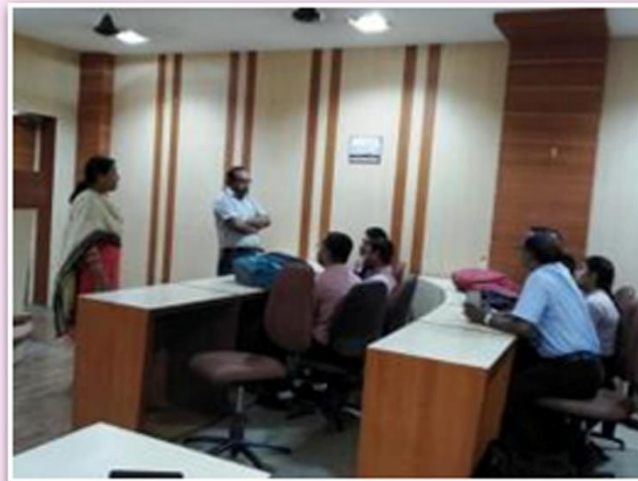
GNIT celebrated International Women's Day on 08.03.19



GNIT organized Workshop on IPR on 15th May, 2019



TWILIGHT 2K19, the Farewell celebration of 2019 pass out batch organized at GNIT on 10th May, 2019



GNIT organized Workshop on Cognitive Skill And Critical Thinking on 15th May, 2019



GNIT celebrated International Yoga Day on 21st June 2019

Members of Academic Council

Chairperson

1. Prof.(Dr.) Santanu Kumar Sen : Principal & Chairman,

Members

2. Prof.(Dr.) Annapurna Das : Director & Advisor
3. Prof. (Dr.) S.K.Das : Dean, R & D
4. Prof. (Dr.) A.K. Mondal : Professor and COE, Exam Cell
5. Mrs. Ipsita Saha : HOD, CSE Dept
6. Dr. J.K.Das : HOD, EE Dept.
7. Dr. Sunipa Roy : HOD, ECE Dept.
8. Mr. Chiranjeeb Dutta : HOD, CA Dept
9. Dr. Sucharita Chakrabarty : HOD, ASHU Dept
10. Mrs. Bapita Roy : HOD, AEIE Dept
11. Mr. Sudip Ghosh : HOD, IT Dept.
12. Dr. Kakali Bandyopadhyay : HOD , FT Dept
13. Mrs. Srabani Kundu : Asst. Prof. , CSE Dept.
14. Dr. Indrajit Bose : Asst. Prof. , ASHU Dept.

External Members

15. Mr. K.G.Pilsima : GM, Electro Steel Casting Pvt. Ltd.
16. Prof.(Dr.) D.D.Sinha : Computer Science Department, C.U.
17. Prof.(Dr.) Rajib Banerjee : Instrumentation & Electronics Engineering Department, J.U.
18. Prof. (Dr.) Konika Das Bhattacharjee : Electrical Engineering Department , IEST, Shibpur
19. Prof. (Dr.) Utpal Roy Choudhury : Dept. of Food Technology and Bio Chemical Engineering
20. Dr. Sucharita Bhattacharyya : Associate Professor & Member Secretary
21. Dr. Adhish Kr. Chakrabarty : Registrar, GNIT

Members of Board of Governors

Sl. No.	Name of Member of BOG	Position in the current engagements
1	Dr. S.M.Chatterjee	Chairman- Advisor, State Council of Technical Education, Former Vice-Chancellor Bengal Engineering & Science University
2	Mr. Taranjit Singh	Managing Trustee
3	Mr. Haranjit Singh	Trustee Member
4	Mr. Amrik Singh	Trustee Member
5	Mr. Harjyot Singh	Member, Nominated by Trust
6	Mr. Amanjyot Singh	Member, Nominated by Trust
7	Mr. Simarpreet Singh	Director, JIS Group Educational Initiative
8	Mr. U. S.Mukherjee	Dy. Director, JIS Group; Member, Nominated by Trust
9	Dr. Sourav Dutta	Industry representative (Chief Product Officer, PayBack, Gurgaon)
10	Prof. Malay Chatterjee	MAKAUT Nominee
11	Dr. Amalendu Basu	Director of Technical Education (Ex-Officio), Govt. of WB
12	Mr. Jagadish Chanda	WB Govt. Nominee
13	AICTE Regional Officer	Member Representative, AICTE ERO
14	Prof(Dr.) Arun Kr. Mondal	Professor, ECE Dept and COE, Teacher Representative
15	Mr. Adhish Kr. Chakrabarty	Member, Asst. Professor, AEIE Dept., Teacher Representative
16	Prof(Dr.) Asit Guha	Advisor, JIS Group ;Member, Nominated by Trust
17	Prof(Dr.) Annapurna Das	Director, GNIT, Educationist
18	Mr. S. S. Dutta Gupta	Director, JIS Group
19	Prof(Dr.) Santanu Kr. Sen	Principal & Member Secretary

Institute Level

- Examination Committee
- Finance Committee
- Anti-Ragging Committee
- Grievance Redressal Committee
- Disciplinary Committee
- Sports Committee
- Cultural Committee
- R&D Committee
- Library Committee
- Women grievance Redressal committee
- Publicity/Magazine Committee
- Student Welfare Committee
- Class monitoring Committee
- Publicity and Website Committee
- Routine Committee
- IQAC Cell



JIS Group Educational Initiatives

Sl. No	Name of teacher who attended the program	Title of the program	Duration (from – to) (DD-MM-YYYY)
1	SANTANA DAS	AICTE SPONSORED FACULTY DEVELOPMENT PROGRAM FOR STUDENT INDUCTION (FDP-SI)	16-07-2018 - 18-07-2018
2	MR. SUSOVAN DUTTA	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
3	MR. SUMAN GHOSH	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
4	MR. DIPANJAN BHATTACHARJEE	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
5	DR. SUCHARITA CHAKRABARTI	FDP ON OUTCOME BASED PEDAGOGIC PRINCIPLES FOR EFFECTIVE TEACHING NPTEL COURSE	01-08-2018 - 30-09-2018
6	DR. ANUP KUMAR THANDER	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
7	MR. SANJOY BISWAS	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
8	SANGEETA BHATTACHARYA	FDP ON INTERNET OF THINGS	04-07-2018 - 08-07-2018
9	DR. SOMA MUKHERJEE	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
10	DR. INDRAJIT BOSE	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
11	MR. SUMAN BHATTACHARYA	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
12	MR. RUPAK CHAKRABORTY	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
13	MR. MOLOY DHAR	5 DAYS FDP ON IMAGE PROCESSING	24-06-2019 - 28-06-2019
14	MRS. SRABANI KUNDU	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
15	MISS IPSITA SAHA	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
16	MS. MANDIRA BANIK	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
17	MR. SOURISH MITRA	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
18	MR. RAFIQUUL ISLAM	5 DAYS FDP ON IMAGE PROCESSING	24-06-2019 - 28-06-2019
19	MS. BIDYUTMALA SAHA	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019

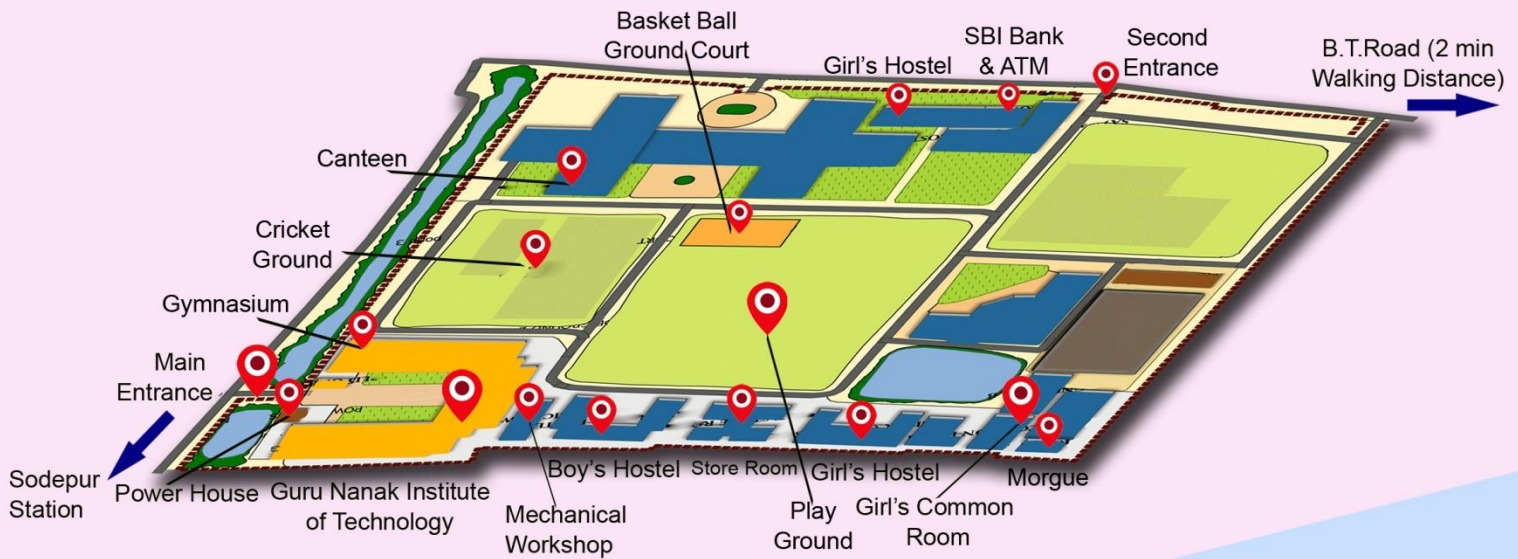
20	MR. NIRUPAM SAHA	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
21	DR. SAYANTAN NATH	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
22	MR. KRISHNENDU CHOWDHURY	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
23	MS. SOUMITA SETH	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
24	MS. MASUMA SULTANA	5 DAYS FDP ON IMAGE PROCESSING	24-06-2019 - 28-06-2019
25	MR. SUBRATA PAUL	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
26	MR. AMRITENDU DEY	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
27	MR. SANDEEP KUMAR JHA	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
28	MR. SOUGATA SARKAR	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
29	MR. DEVDUTTA CHAKRABARTY	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
30	MR. SUBHADIP CHAKRABORTY	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
31	DR. PIJUSH KANTI BHATTACHARJEE	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
32	DR. SUPARNA BISWAS	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
33	DR. NABANEETA BANERJEE	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
34	MR. KOUSHIK PAL	5 DAYS FDP ON MICROCONTROLLER BASED EMBEDDED SYSTEM DESIGN	22-04-2019 - 26-04-2019
35	MISS. SWAGATA BHATTACHARYA	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
36	MRS. SOMA BORAL	5 DAYS FDP ON MICROCONTROLLER BASED EMBEDDED SYSTEM DESIGN	22-04-2019 - 26-04-2019
37	MS. ADITI MANDAL	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
38	MS. MANALI DHAR	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
39	MR. GOURGOPAL JANA	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
40	MR. KAUSTAV MADHAB CHATTERJEE	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
41	MR. AJOY SEN	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019

42	MS. SURANJANA SAHA	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
43	MRS. SANGHAMITRA LAYEK	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
44	MR. SUMAN MAJUMDER	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
45	MR. BIKRAM DUTTA	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
46	MR. USHNIK CHAKRABARTI	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
47	MS. ANURADHA GUHA	5 DAYS FDP ON SCOPE OF ELECTRICAL COMPONENTS IN AUTOMOBILE INDUSTRY	18-03-2019 - 22-03-2019
48	MISS AMRITA BASU ROY	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
49	MR. PRITAM CHOWDHURY	5 DAYS FDP ON SCOPE OF ELECTRICAL COMPONENTS IN AUTOMOBILE INDUSTRY	18-03-2019 - 22-03-2019
50	MR. KRISHNA KUMAR	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
51	MR. KALYAN KUMAR CHAKRABORTY	5 DAYS FDP ON SCOPE OF ELECTRICAL COMPONENTS IN AUTOMOBILE INDUSTRY	18-03-2019 - 22-03-2019
52	MR. PARTHA SEN	5 DAYS FDP ON SCOPE OF ELECTRICAL COMPONENTS IN AUTOMOBILE INDUSTRY	18-03-2019 - 22-03-2019
53	MS. RITUPARNA BANERJEE	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
54	DR. SHYAMAL KUMAR GHOSH	5 DAYS FDP ON SCOPE OF ELECTRICAL COMPONENTS IN AUTOMOBILE INDUSTRY	18-03-2019 - 22-03-2019
55	MR. SISIR MAZUMDER	5 DAYS FDP ON SCOPE OF ELECTRICAL COMPONENTS IN AUTOMOBILE INDUSTRY	18-03-2019 - 22-03-2019
56	DR. PRABAL DEB	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
57	MR. SHYAMAL KUMAR ROY	5 DAYS FDP ON SCOPE OF ELECTRICAL COMPONENTS IN AUTOMOBILE INDUSTRY	18-03-2019 - 22-03-2019
58	MS. RITUPARNA MUKHERJEE	5 DAYS FDP ON SCOPE OF ELECTRICAL COMPONENTS IN AUTOMOBILE INDUSTRY	18-03-2019 - 22-03-2019
59	MR. ARINDAM ROY	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
60	PROF. KAKALI BANDYOPADHYAY	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018

61	DR. ANJU PAUL	5 DAYS FDP ON RECENT TRENDS INON THERMAL FOOD PROCESSING	17-05-2019 - 21-05-2019
62	MR. ARKA ROY CHOWDHURY	5 DAYS FDP ON INTEGRATIVE APPROACH TOWARDS CURRENT PRACTICES IN FOOD PRODUCT DEVELOPMENT	30-12-2018 - 03-01-2019
63	MS. IPSITA SEN	5 DAYS FDP ON RECENT TRENDS INON THERMAL FOOD PROCESSING	17-05-2019 - 21-05-2019
64	MS. SANCHITA SINHA	5 DAYS FDP ON RECENT TRENDS INON THERMAL FOOD PROCESSING	17-05-2019 - 21-05-2019
65	MR. ANUPAM GHOSH	5 DAYS FDP ON INTEGRATIVE APPROACH TOWARDS CURRENT PRACTICES IN FOOD PRODUCT DEVELOPMENT	30-12-2018 - 03-01-2019
66	MS. DOLANCHAPA SIKDAR	5 DAYS FDP ON RECENT TRENDS INON THERMAL FOOD PROCESSING	17-05-2019 - 21-05-2019
67	MS. ROSALIN NATH	5 DAYS FDP ON INTEGRATIVE APPROACH TOWARDS CURRENT PRACTICES IN FOOD PRODUCT DEVELOPMENT	30-12-2018 - 03-01-2019
68	MR. TRIDIB CHAKRABORTY	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
69	MR. ARNAB BANERJEE	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
70	MR. RAJA DASTIDAR	5 DAYS FDP ON IMAGE PROCESSING	24-06-2019 - 28-06-2019
71	MS. BAISAKHI DAS	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
72	MR. CHOWDHURY MD MIZAN	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
73	MISS SUPARNA KARMAKAR	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019
74	MR. SUDEEP GHOSH	5 DAYS FDP ON IMAGE PROCESSING	24-06-2019 - 28-06-2019
75	MS. RUPA BASU MITRA	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
76	MR. SOURAV MALAKAR	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018
77	MR. ANIMESH KAR	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
78	MR. CHIRANJIB DUTTA	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
79	MRS. PRAJNA PARAMITA RAY	5 DAYS FDP ON IMAGE PROCESSING	24-06-2019 - 28-06-2019
80	MRS. DOLA SAHA	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019
81	MISS. SOMALINA CHOWDHURY	5 DAYS FDP ON ANDROID APPS DEVELOPMENT	24-12-2018 - 28-12-2018

82	MS. SOUMILI BHATTACHARYA	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019
83	MR. TAHA YASIN	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
84	DR. INDRAJIT BHATTACHARYYA	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019
85	MR. RAJARSHI CHAKRABORTY	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019
86	MS. TANIA GHOSH	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
87	MISS. STABANIA MUKHERJEE	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
88	DR. CHINMAY GHOSH	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
89	MR. ASHIS KUMAR DEY	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
90	DR. MAINAK DEBNATH	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
91	MS. SAYANI CHATTERJEE	5 DAYS FDP ON DATA WAREHOUSE	31-12-2018 - 04-01-2019
92	SAYAN ROY CHAUDHURI	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
93	DR. KAUSHIK ROY	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
94	SURAJIT BASAK	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
95	DR. AVALI BANERJEE	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
96	ANTARA GHOSAL	5 DAYS FDP ON MICROCONTROLLER BASED EMBEDDED SYSTEM DESIGN	22-04-2019 - 26-04-2019
97	ANURIMA MAJUMDAR	5 DAYS FDP ON MICROCONTROLLER BASED EMBEDDED SYSTEM DESIGN	22-04-2019 - 26-04-2019
98	TRISHITA GHOSH	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019
99	DR. SUNIPA ROY	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
100	PALASRI DHAR	5 DAYS FDP ON MICROCONTROLLER BASED EMBEDDED SYSTEM DESIGN	22-04-2019 - 26-04-2019
101	DR. ARUN KUMAR MONDAL	5 DAYS FDP ON MICROCONTROLLER BASED EMBEDDED SYSTEM DESIGN	22-04-2019 - 26-04-2019
102	SAYANI CHANDRA	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019
103	DR. PARAMITA BANERJEE	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
104	PALLABI DAS	5 DAYS FDP ON MACHINE LEARNING USING PYTHON	24-06-2019 - 28-06-2019

105	MRS. SHAIREE GANGULY	5 DAYS FDP ON INTEGRATIVE APPROACH TOWARDS CURRENT PRACTICES IN FOOD PRODUCT DEVELOPMENT	30-12-2018 - 03-01-2019
106	MS. MADHUMITA CHAKRABORTY	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
107	DR. SUCHARITA BHATTACHARYYA	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
108	MR. GOUTAM MANDAL	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
109	DR. SREYASREE BASU	5 DAYS FDP ON PYTHON & IOT	17-12-2018 - 21-12-2018
110	MS. RIKTA MAJUMDER	5 DAYS FDP ON RESEARCH INNOVATIVE AND RECENT TRENDS IN ELECTRICAL ENGINEERING	24-09-2018 - 28-09-2018
111	SUPARNA MAITY	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
112	SUDIP KUILA	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
113	BAPITA ROY	5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING	17-12-2018 - 21-12-2018
114	JAYITA DATTA	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
115	DR. ADHISH KR. CHAKRABARTY	5 DAYS FDP ON GREEN IOT FOR GREEN ENVIRONMENT	10-06-2019 - 14-06-2019
116	MS. SUCHETA SAHOO	5 DAYS FDP ON RECENT TRENDS IN NON THERMAL FOOD PROCESSING	17-05-2019 - 21-05-2019



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