

Annual Report

2017-18

GNIT

GURU
NANAK
INSTITUTE of
TECHNOLOGY



Accreditations, Affiliations & Approvals



MAKAUT
(formerly WBUT) WBSCT&VE&SD
(formerly WBSCTE)

FOUNDER



Sardar Jodh Singh



JIS Group Educational Initiatives

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FOR MORE INFORMATION CONTACT: INFO.GNIT@JISGROUP.ORG

Managing Director's Message



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 multifaceted 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

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	 IE (I)	 CII Confederation of Indian Industry	 ISTE
 ECAM ECAM LYON, School of Engineering, France	 MSME Ministry of MSME, Govt. of India	 INFOSYS	 NASSCOM	

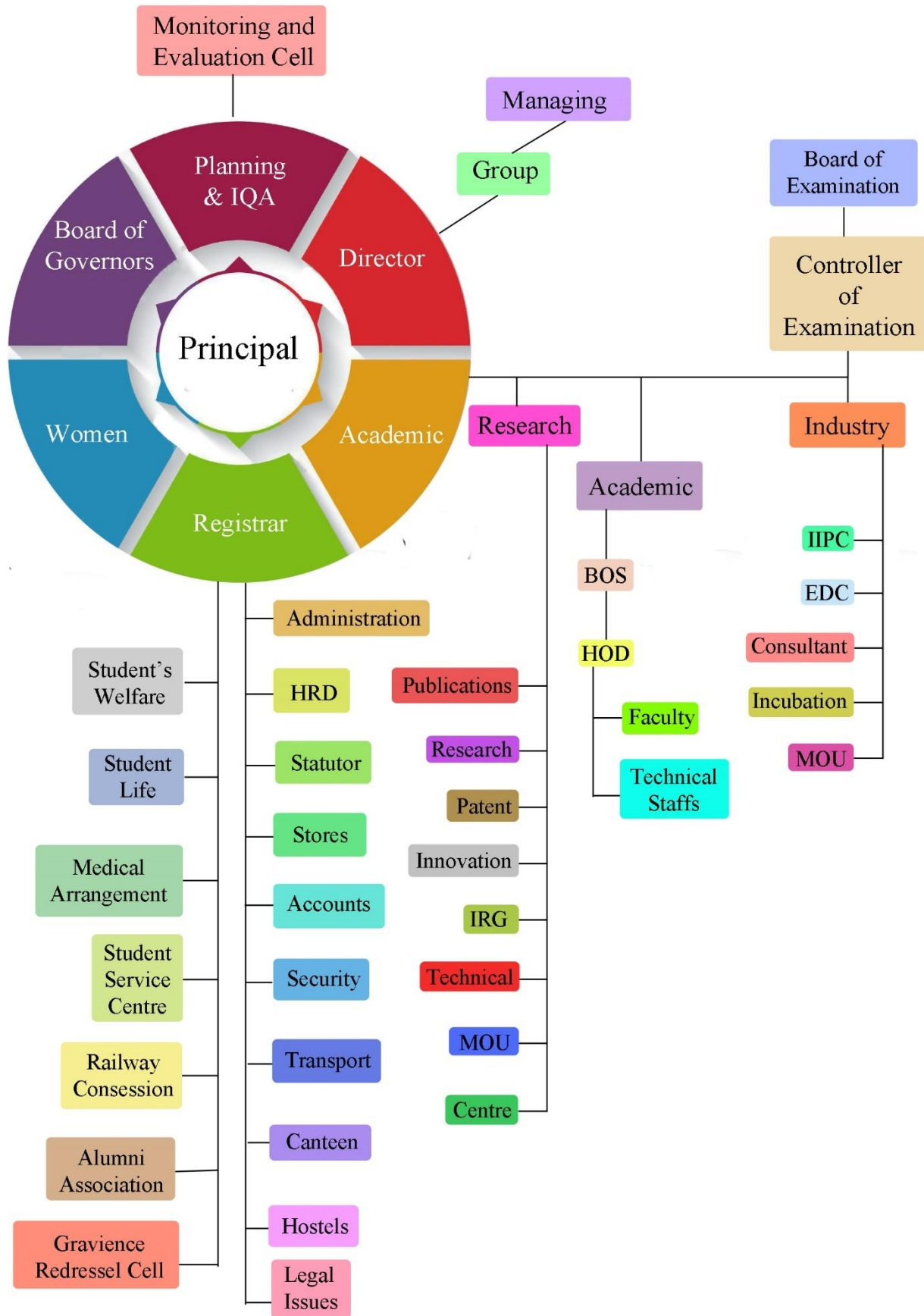
Awards to faculties and Staffs

With the mission to celebrate success, achievements and to acknowledge talent, hard work and dedication, GNIT organized KRITI 2018, Award for Excellence on 17 May 2018.

Students, faculty and staff members across disciplines were awarded for distinguished accolades and recognition that they received for academic excellence, technical acumen and innovations and other co and extra-curricular activities at national and state level during academic year 2017-18 along with respective mentors for effective guidance and efforts.



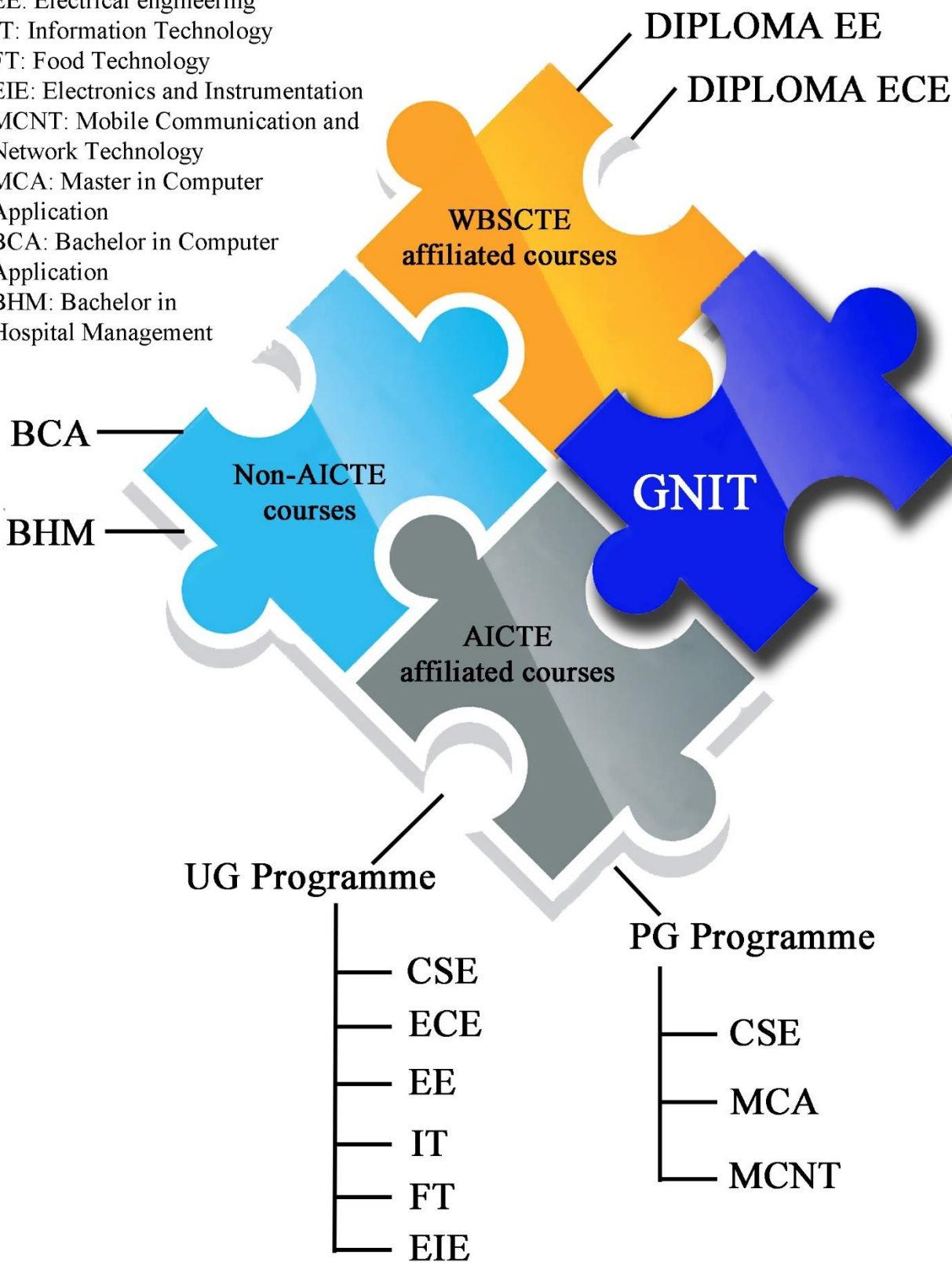
Organogram



Academic Structure

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



Administrative Heads



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

Departmental Heads



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

Admission

Sl	UG Courses	General Intake	TFW Intake	Admission	Total admission
1	B.Tech - CSE	120	6	126	132
2	B.Tech - ECE	120	6	126	132
3	B.Tech - EE	120	6	92	98
4	B.Tech - IT	60	3	63	66
5	B.Tech - FT	60	3	55	58
6	B.Tech - AEIE	60	3	33	36
1	B.Tech - FT (L)	12	-	12	12
2	B.Tech - AEIE (L)	12	-	1	1
3	B.Tech - CSE (L)	24	-	3	3
4	B.Tech - ECE (L)	24	-	8	8
5	B.Tech - EE (L)	24	-	13	13
6	B.Tech - IT (L)	12	-	0	0
			-		
1	BCA	60	-	60	60
2	BHM	60	-	60	60
3	DIPLOMA IN EE	60	-	62	62
4	DIPLOMA IN ETC	60	-	55	55
	Grand Total	888	27	769	

**Total : 769
for 2017 - 18**



Scholarship

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)

Scholarship

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

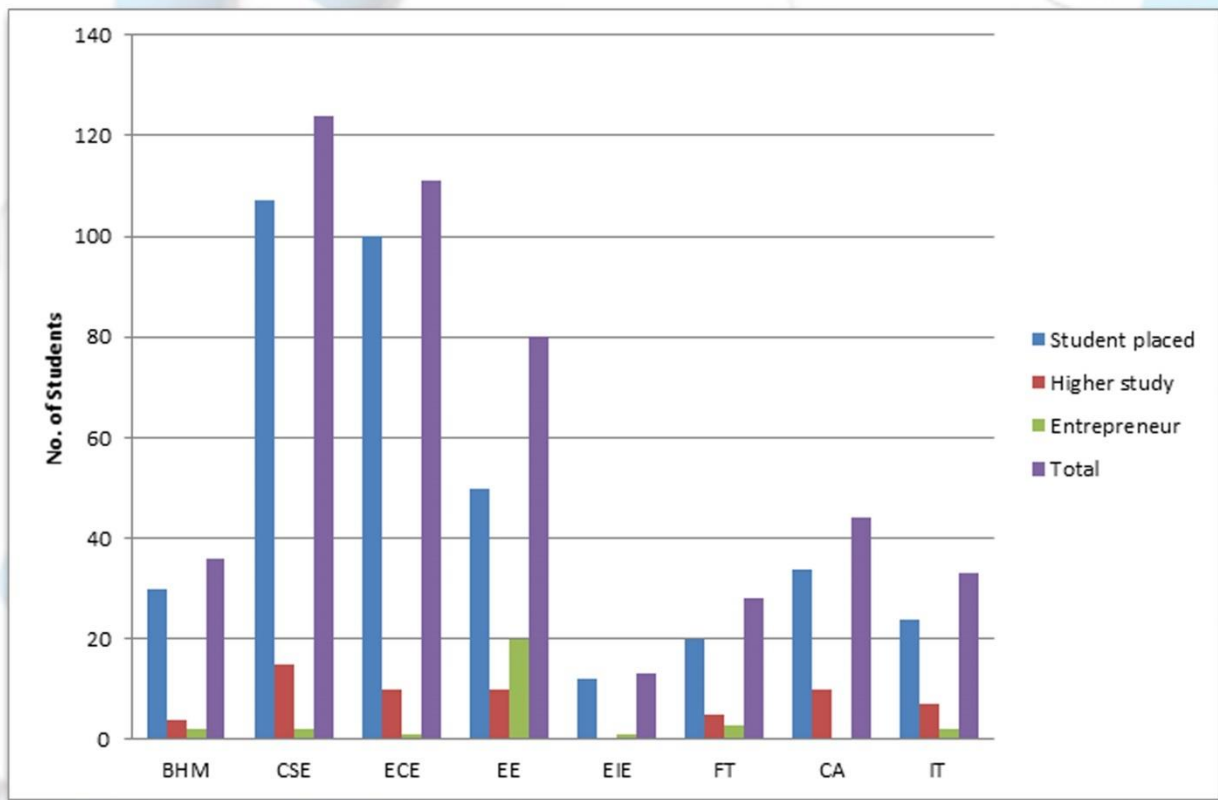
Scholarships/ Teaching assistantships are liable to be withdrawn, partially or wholly, in case of misconduct, deliberate concealment of materials/facts and/or supply of false information, and/or continued absence of more than one month except on medical grounds.

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.

Training and Placement

Around 145 companies took part in placement of the students in the academic year 2017-18. Some of the major companies which hired our students are. The highest salary offered is Rs. 9.00 lacs Per annum by Thnik & learn (Byju's). The average salary is. Rs. 2.20 lacs Per annum.

Placement data for 2017-18



Training and Placement

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 | Innorast | 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

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 :

Library

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



MOU

Sl	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 Project 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 Techn Skill and knowledge
6	Institutional	Institution of Engineer (India)	Institute	11/7/2016	Over all Development of Techn Skill and knowledge
7	Institutional	INFOSYS	Industry	3/5/2016	Under Campus Connect Programme for enriching the technical education process and 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)

MOU

Sl	Name of the Department	Name of Organization Signed MOU	Type (Industry/Academic/Research Institute)	Date	Programming Highlights/Objective
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 AgroBiotech Limited (VABL)	Industry	3/8/2017	Collaborations in Academic Developments, Industry Project and student internships, R&D, Entrepreneurship Development
12	EE	Electoromech & Transtech Pvt. Ltd.	Industry	29/06/2017	The objective of this MOU between Department of Electric Engineering Dept, Guru Nanak Institute of Technology and Electromech & Transtech Pvt. L would be to enhance technical skills of students as well as to provide the development of course curriculum as per current socioeconomic demand.
13	ECE	Smart Management Consultancy	Industry	3/8/2017	Enhancement of technical skills of students as well as to provide the development of course curriculum as per current socioeconomic demand
14	ECE	SMD Technologies	Industry	19.7.2016	Software Development, Training and Technical Education (IT & Core Sector) FOR AIC

IT Resources

Hardware

- SERVER - 7
- DESKTOP - 654
- 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

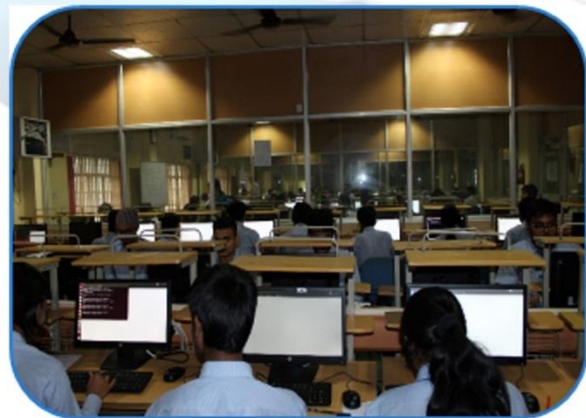
- Licenced Software :-
- Matlab 2013- 15 user(perpetual)
- Tanner v 15.2- 5 user(for Ledit) & 5 user(for Sedit)
- Electronic Device and Service - (1 DVD) –perpetual
- Mentor Software – 1 nos.
- VLSI Universal Trainer Kit – 1 nos
- Orell Pro – 60 Users.
- Autocad 2005-win edu – single user License.
- 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

IT Resources

- 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



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GURU
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TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GNIT ANNUAL REPORT 2017-18

Department of Computer Science and Engineering

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 Kunal Singh, Pritam Roy, and Dhiren Lalwani participated in international coding competition ACM ICPC 2017 at GNIT.



- KUNAL SINGH, CSE Final Year obtained Elite GOLD Medal in "Programming in C++" securing top in 1% TOPPER in NPTEL September Run 2017



- RUDRARAJ DASGUPTA obtained Elite Group and securing top 2% TOPPER both in "Object Oriented Analysis & Design" and "Introduction to Programming in C" for NPTEL September Run 2017.



- Swastik Bhattacharya, Srotoswini Chandra, Direnlalwani, DipeshBasu Choudhury, SayanjitDey, GNIT student teams from West Bengal selected by AICTE-ECI ChhatraVishwakarma Awards -2017.
- SanikaDhar, Winner of group dance competition in "Melange 2017, the annual fest of National Medical College.
- Debjit Paul, passout in 2014, completed his MS in Computer Science from Saarland University of Germany, placed in a MNC named Amplexor in Spain.
- ReetayanDas, passout in 2014, is going for his MS in Computer Science in Carolina University.
- Yogesh Singh 2nd Year participated in IIT Kharagpur Tech Fest In Model Display.
- Kunal Singh, Pritam Ray, Dhiren Ladwani, Jui Saha , Pritam Roy participated in HACKATHON 2018 at Delhi.
- Deepak Shaw participated in Poetry writing/ poetry performance/ recording of poetry on social media on 11/2017 – 04/2018
- Subhamoy Das and Sudip Dey won champion trophy in inter college football tournament.
- A project on smart mirror- a secured application of artificial intelligence recognising human face and voice of Sukanya Rakshit is shortlisted by acm kolkata project award.

b. Faculty's achievements

1. Sinthia Roy got best paper award in International Conference on Contemporary Advances in Innovative & Applicable Information Technology, Date-24-25th March
2. Mr. Moloy Dhar, Mr. Souris Mitra and Mrs. Ipsita Saha are selected for final round of STA.

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

• Microsoft conducted Hands-on training on Cloud Campus Network and Office 365 at GNIT on 14th July 2017 (Friday) organized by CSE Dept.



• Department of Computer Science and Engineering in association with Department of Information Technology and Department of Computer Application organized a seminar on "Recent trends of Data Science and its Application" on 26th August, 2017.



• To groom JIS Group students for the international level coding competitions a Boot Camp was organized at GNIT CSE laboratories.



• CSE Department published the Departmental wall magazine on 18th October 2017.



• Department of CSE, GNIT organized an Industrial Visit to the Regional Remote Sensing Centre - East, NRSC, ISRO, New Town, Kolkata on 30th October, 2017.



• Department of CSE has organized a Seminar on "Android Application Development" in collaboration with OGMA TechLab on 9th August, 2017 where Mr. Anirban Banerjee and Mr. Sourav Mandal, Senior Faculties of OGMA TechLab delivered lectures.



• Department of Computer Science & Engineering has organized A Hands-on training on Python Programming in collaboration with Aspirevision Tech Education Pvt Ltd. on 27th February, 2018 for pre final year students.



- Mr. Sourish Mitra, Assistant Professor of CSE Dept. and Mr. Tridib Chakrabarty, Assistant Professor of IT Dept. organized a Workshop on “Efficient Programming using Codechef Platform” on 13th August, 2017 at CSE Labs.
- Dept. of CSE has organized a Seminar on “Recent trends of Data Science and its application” in collaboration with Cognizant Technology Solution on 26th August, 2017 where Mr. Sougata Sarkar, Senior Project Associate at Cognizant Technology Solution delivered lectures.
- Mr. Nirupam Saha, Mr. Debraj Roy and Mr. Moloy Dhar, Assistant Professor of CSE Dept. have organized a one-month long Faculty Development program on “Formal Languages and Automata Theory” starting from 22nd August, 2017.
- Mr. Sukhendu Ghosh, Assistant Professor of CSE Dept. organized a Seminar on “Python Programming” on 13th September, 2017.
- Dept. of CSE has organized a Seminar on “Android Application Development” in collaboration with Induji Technologies Pvt. Ltd. on 10th November, 2017 where Mr. Sudhangshu Sekhar Dubey, MD of Induji Technologies Pvt. Ltd. delivered lectures.
- Dept. of CSE has organized a Seminar on “Professional Development” in collaboration with JIS Group on 1st November, 2017 where Prof. (Dr.) A.P. Samadder, Academic Advisor, JIS Group delivered lectures.
- Dept. of CSE has organized a Seminar on “Emerging Trends in Computer Science” in collaboration with Induji Technologies Pvt. Ltd. on 30th January, 2018.

b. Participated

i. faculty & staff

1. Mrs. Srabani Kundu, Assistant Professor, GNIT attended an International Workshop on Networking Women on Distributed Computing & Network on 04.01.2018.
2. Mrs Sinthia Roy, Assistant Professor, GNIT attended Workshop on Data Analytics using R from 03.01.2018 to 05.01.2018.
3. Mrs. Sayani Chandra, Assistant Professor, GNIT took part in Seminar on Implementation of Moocs in the University curriculum on 09.01.2018 sponsored by BP Poddar Institute of Engineering & Technology and Centre for Educational Technology, IIT Kharagpur.
4. All Faculty members of CSE Department participated in a seminar on Intellectual Property Rights organized by GNIT on 12.01.2018.
5. Mrs. Sayani Chandra, Mr. Rafiqul Islam, Mr. Moloy Dhar , Assistant Professor, CSE Department took part in a Seminar on “Implementation of Digital Marketing Techniques for admission 2018” on 13.01.2018.
6. Mrs. Pallabi Das and Mrs. Bidyutmala Saha , Assistant Professor, GNIT attended a seminar on “Impact of Digital Co creation in Buisness Revolution” sponsored by JIS Group on 21.02.18.
7. Mr. Rafiqul Islam. Assistant Professor, GNIT, participated in Workshop on intellectual properties rights Sponsored by Central Govt., JIS Group on 25.08.17.

Department of Computer Science & Engineering Organized FDP on
“Machine Learning Using R Programming Language”

Faculty Development Program
On

Machine Learning Using
R programmin language

25th-29th Jun, 2018

Organized by:

Department of
Computer Science and 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 Kr Das, Dean, GNIT

Chairperson

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

Convenor

Ms. Sraboni kundu, Asst. Prof. & TIC, 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

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

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

Department of Computer Science & Engineering
Organized FDP on “Datawarehouse”

Faculty Development Program
On

Data Warehouse

26th-30th Dec, 2017

Organized by:

Department of
Computer Science and Engineering
Guru Nanak Institute of Technology

GNIT

In collaboration with

ARDENT COMPUTECH PVT LTD



Guru Nanak Institute of Technology
157/F, Nilgunj Road, Panihati,
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Mr. Krishnendu Choudhury, JTA, Dept. of CSE

Participants

- Faculty Members
- Technical Staff

Mode of Selection

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No Registration Fee

Time

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

Contact Person

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

8. All Faculty members of CSE Department attended the Workshop on Efficient Programming using Codechef Platform organized by the department on 13.08.17.
9. Mr. Moloy Dhar, Assistant Professor, GNIT participated in Two days hands-on Workshop on testing, fault finding & repairing of electrical motors/ fans from 3.08.17 to 4.08.17 organized by Electrical Engineering Department, GNIT.
10. Mr. Sourish Mitra, Assistant Professor, GNIT took part in the Workshop on Flip Learning on 21.08.17 sponsored by JISCE.
11. Mrs. Ipsita Saha, Assistant Professor, GNIT Visited the Solid waste Management Plant on 5.08.17 associated by ITC, Tribeni.
12. Mrs. Ipsita Saha, Assistant Professor, GNIT participated in SWM Rules 2016 and SBM (Gramin) for Panchayat & Technologies on 19.08.17 organized by Jadavpur University.
13. Sourish Mitra, Asst Prof, CSE attended ChattraViswakarma Award organized by AICTE on 19.09.2017.
14. Moloy Dhar, Asst Prof, CSE participated in a Seminar conducted by Institute of Engineers on 15.09.2017.
15. Mandira Banik, Asst Prof, CSE took part in a Seminar conducted by JIS Group-“Welcome of Mr. Robby Wells” on 12.10.2017 organized by JIS Group.
16. All Faculty of CSE attended a Workshop on “NBA-A Tool for Continuous Improvement” on 23.10.17 organized by GNIT.
17. Sourish Mitra, Asst. Professor, CSE participated in INQUBE Innoventures (centre for advanced communications) on 3.11.17
18. Mrs. Ipsita Saha, Assistant Professor, GNIT participated in AQIS sponsored by Heritage Institute of Technology on 22.11.17.

Publication

Faculty Publication (July,2017-June,2018)

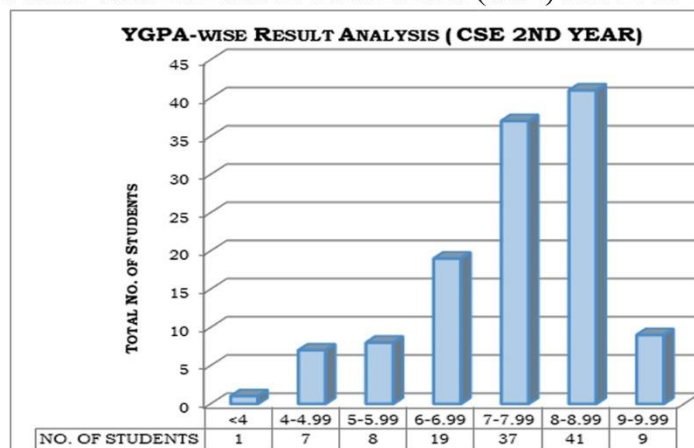
Academic Year	Dept	Journal	Seminar/Conference	Total
2017-18	CSE	2	5	7

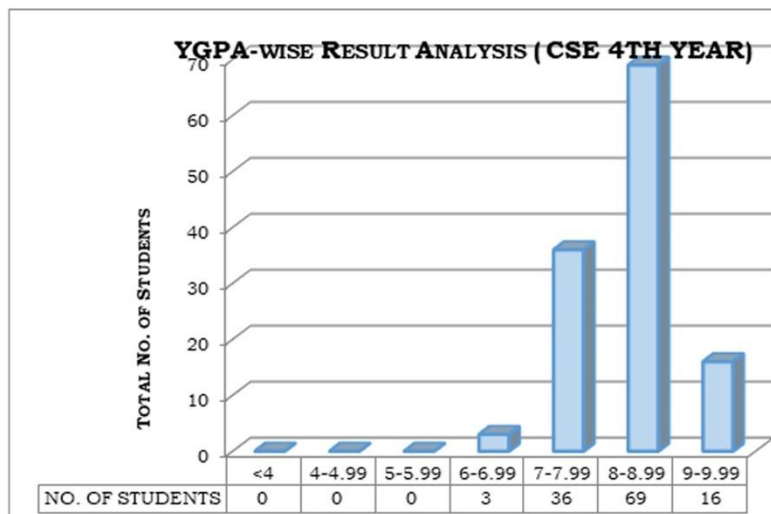
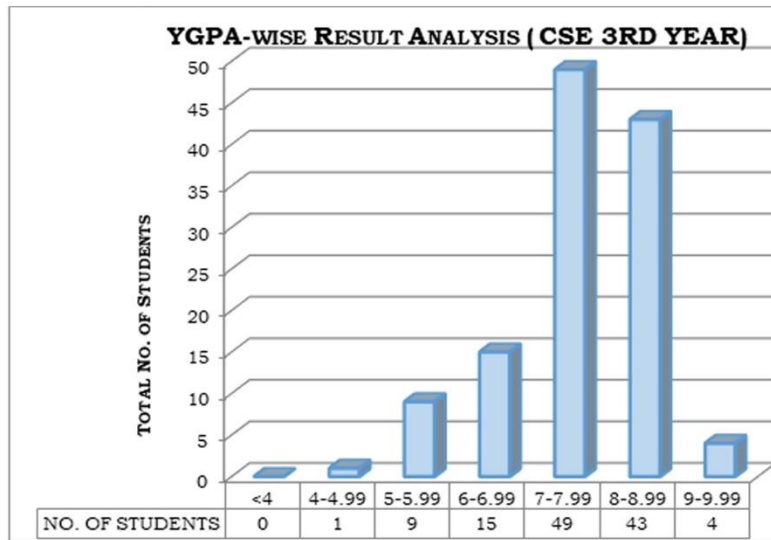
Student Publication (July,2017-June,2018)

Academic Year	Dept	Journal	Seminar/Conference	Total
2017-18	CSE	1	6	7

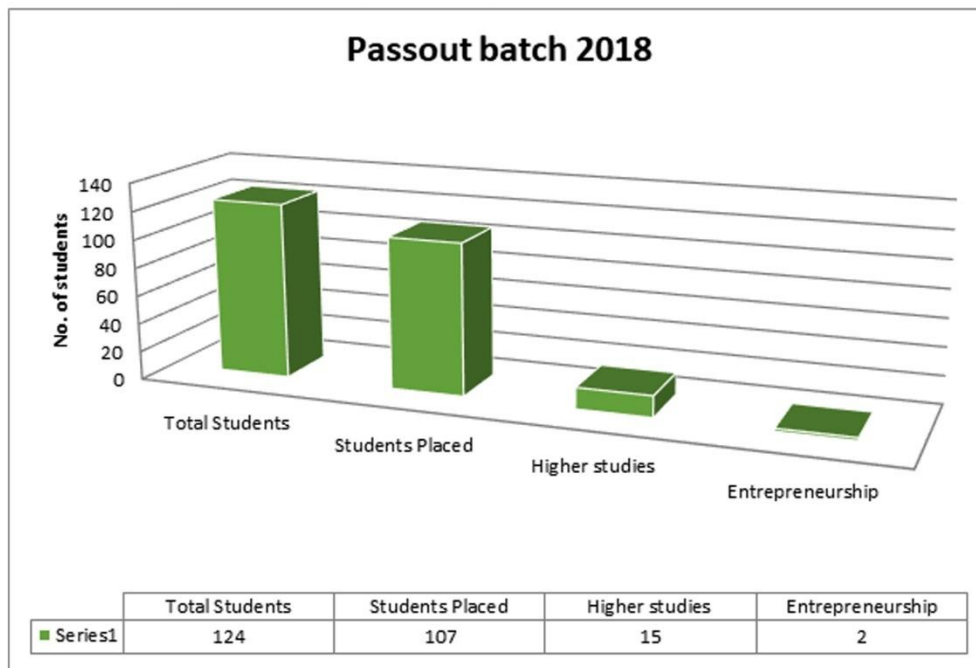
Result (Bar chart)

YGPA WISE RESULT ANALYSIS (CSE) AY 2018-19





Placement and higher studies (Bar chart)



Annual Report

2017-18



GURU
NANAK
INSTITUTE of
TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

GNIT ANNUAL REPORT 2017-18

Department of Electronics and Communication Engineering

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	6 th – ECE 1	9.23
2	Sneha Ghosh	6 th – ECE 2	9.15
3	Arindam Dey	8 th – ECE1	9.31
4	Tanaya Paul	8 th –ECE2	9.3
5	Rishav Mukherjee		9.15
6	Deboshree Ghosh	4 th - DETCE	8.75
7	Susmita Chatterjee	6 th - DETCE	8.9

Cultural, Sports, External Projects, Research, etc

Sl No	Name of Student	Achievement Description	Month and Year of achievement
1	Gargi Mukhopadhyay	<ul style="list-style-type: none"> Won the 2nd prize for her poem "Ekushe February" in MyWBUT online tech fest Poem writing competition "KREATIONZ" Dance and acting performance on National Television. Received the prestigious "Diganta bolaka Puroshkar" for her poem book titled as "Bindur Protisoron" from "Little Magazine". 	April, 2018
2	Pratyasha Barai	<ul style="list-style-type: none"> Received the prestigious Nriya Shiramani award in Cuttack Mahotsav Invited to perform at Bangladesh Parliament in Bangladesh Jute festival Performed in Bangladesh Shilpokola. 	13 th & 14 th March, 2018
3	Aritra Dey	<ul style="list-style-type: none"> Extra Ordinary contribution in organizing extracurricular and Co curricular events . 	2018
4	Bidisha Shaw, Mahasweta De, Abhismita Samanta, Debarati Sarkar, Pritesh Kumar Pandey	<ul style="list-style-type: none"> 1st position in Poster presentation in International Conference on Emerging trends in Electronics Devices and The Computational Technique (EDCT 2018) under the guidance of Mrs. Avali Banerjee 	8.3.18

5	Abhishek Shaw, Aprajita Bhagat, Arijeet Saha	<ul style="list-style-type: none"> • Best paper Award in Student Paper Contest in A One day National Workshop on Remote Sensing and Applications (RSA 2017) Organized by <i>IEEE Student Branch, Netaji Subhash Engineering College</i> for Paper Titled "Wireless Power Transmission using PiezoSensors" • Guide: Mr. Sayan Roychaudhuri & Mr. Ramkrishna Mondal 	07 .09. 2017
6	Aprajita Bhagat, Arijeet Saha, Agniva Dutta, Pritam Das	<ul style="list-style-type: none"> • AICTE Chattra Viswakarma Award 2018. • Selected for Final in AICTE Delhi and presented on 19th September 2017 • Guide/ mentor : Koushik Pal 	September 2017
7	Aprajita Bhagat, Ashish Verma, Arijeet Saha, Abhishek Shaw, Dipro Banerjee	<ul style="list-style-type: none"> • DRDO Robotics & Unmanned Systems Exposition(DRUSE) • Theme:- Mobility in Snow Bound Area • Selected for 2nd round zonal level and represented GNIT on 26th and 27th March 2018 • Guide/ mentor : Koushik Pal 	March 2018
8	Abhishek Shaw, Aprajita Bhagat, Arijeet Saha, Agniva Dutta, Pritam Das	<ul style="list-style-type: none"> • Won Best full paper award 1st among 16 in ECE category) in FOSET 2018 • Paper Name: Sensor Based Automated Smart Classroom • Guide/ mentor : Koushik Pal 	March 2018
9	Saranya Bera Ranjini Chatterjee Revu Dutta	<ul style="list-style-type: none"> • Won Best full paper award in ECE track in international conference EDCT 2018 • Guide/ mentor : Koushik Pal 	March 2018
10	Shubham Singha	<ul style="list-style-type: none"> • Fashion Show ,Dr.Sudhir Chandra Sur Engineering College -1st Prize • Fashion Show, JIS University 	March 2018
11	Subham Debnath	<ul style="list-style-type: none"> • Football Champion in ADAMAS University 	January 2018
13	Rik Roy Chowdhury, Diploma 3 rd yr ,ETCE	<ul style="list-style-type: none"> • Performed in SANGRILLA in City College 	Jan,2017

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.



'RSA-2017' -A Student Paper Contest among different private and Govt. academic institute of repute, was held on 07.09.2017 at Netaji Subhash Engg. College (Techno India Grp.) and we are happy to share with you that ECEI 3rd year students (Avishek, Aparajeeta, Arijit) of GNIT, stood first and received the ' Best Paper Award ' and prizes. The work was supervised by Mr. Sayan Roy Chowdhury and also Mr. Ramkrishna Mondal (JTA) of ECE Dept. Dance and acting performance on National Television by Gargi Mukhopadhaya , 4th year ECE.



RSA-2017



Dance and acting performance



Best paper award in FOSET

b. Faculty's achievements:

1. Dr. Sunipa Roy published a book ' Nanotechnology Synthesis to Application' - CRC Press, USA in the year of October 2017.

2. 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.

3. 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.

4. 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.

5. SMART teacher award – Ms Avali Ghosh cleared second round and gave final presentation on 5th May 2018. Received token of appreciation.

6. 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

7. 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 2018.

8. Dr. Sunipa Roy received the prestigious Kriti Award 2018 for organising EDCT 2018 as convenor.



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

- 1.A workshop was organized by ECE department GNIT, on " Python Programming (Phase - I)" dated 18.4.18 at DSP Lab, GNIT, Technically sponsored by "Ardent Computech Pvt Ltd". Speaker was Debasish Ghosh, Senior Manager , Ardent Computech Pvt Ltd, Kolkata.
- 2.A " Blood donation Camp" was organized by ECE department GNIT dated 13.4.18 at Analog Electronics Lab, GNIT, sponsored by "NRS Medical College". Kolkata.
- 3.Department of Electronics & Communication Engineering of Guru Nanak Institute of Technology was organized 'One Day IEEE EDS Outreach Programme' sponsored by IEEE EDS Kolkata section on 4th September 2018.
- 4.BOS: The dep27.04.2018
- 5.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.
- 6.IEEE sponsored 1st international conference EDCT 2018 was organized under the Convenor 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.
- 7.Industry Visit on 2nd Aug,2018 at Bhagwati Food Private Limited by the 3rd yr Diploma ,ETCE.



Industry Visit



Blood donation Camp



One Day IEEE EDS Outreach Programme



Departmental BOS



ENTREPRENEURSHIP AWARENESS CAMP



ENTREPRENEURSHIP AWARENESS CAMP



1st international conference EDCT 2018

b. Participated

i. Faculty & Staff

Sl. No.	Name, Designation & Department	Seminar/ WorksSoma Mannahop/ Conference		
			From	To
1	Dr. Sunipa Roy	Seminar on AC and Refrigeration system		-
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
5	Sayan Roy Chaudhuri, Palasri Dhar Anurima Majumder Dr. Arun Kr. Mondal	NBA Workshop	19-6-18	21-6-18

Department of Electronics organized Five days FDP on "VLSI DESIGN USING CADENCE"

<p style="text-align: center;">Five Days Online National Faculty Development Program On</p> <p style="text-align: center; background-color: #FFD700; padding: 5px;">"VLSI DESIGN USING CADENCE"</p> <p style="text-align: center;">ON 8th January, 2018 To 12th January, 2018 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 style="text-align: center;"> </p>	<p style="border: 1px solid black; padding: 2px; display: inline-block;">Convener</p> <p style="font-size: small;">Dr. Sunipa Roy, HOD, ECE Dept., GNIT Dr. Suparna Biswas, Assistant Professor, ECE Dept., GNIT</p> <p style="border: 1px solid black; padding: 2px; display: inline-block;">Coordinator</p> <p style="font-size: small;">Mrs. Palasri Dhar Assistant Professor, ECE Dept., GNIT</p> <p style="border: 1px solid black; padding: 2px; display: inline-block;">Contact Info</p> <p style="font-size: small;">Dr. Sunipa Roy – 9830751850 Dr. Suparna Biswas – 8017432780</p>	<p style="text-align: center; border: 1px solid black; padding: 2px;">Organizing Committee</p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><u>Technical committee</u></p> <p style="font-size: x-small;">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 style="text-align: center; border: 1px solid black; padding: 2px;"><u>Registration committee (Attendance)</u></p> <p style="font-size: x-small;">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. Sunita Pandit, Technical Assistant, Dept. of ECE Mrs. Dyuti Nandi, Technical Assistant, Dept. of ECE</p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><u>Feedback Committee</u></p> <p style="font-size: x-small;">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 style="text-align: center; border: 1px solid black; padding: 2px;"><u>Certificate committee</u></p> <p style="font-size: x-small;">Dr. Suparna Biswas, 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 style="text-align: center; border: 1px solid black; padding: 2px;"><u>Media committee</u></p> <p style="font-size: x-small;">Dr. Avali Banerjee, Assistant Professor, Dept. of ECE Mrs. Anurima Majumdar, Assistant Professor, Dept. of ECE Mrs. Swagata Bhattacharya, Assistant Professor, Dept. of ECE</p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><u>Advisory committee</u></p> <p style="font-size: x-small;">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 style="text-align: center; border: 1px solid black; padding: 2px;"><u>Finance Committee</u></p> <p style="font-size: x-small;">Mr. Soumik Jash, Accounts, GNIT Mr. Subhankar Bose, Accounts, GNIT Mr. Shantanu Dasgupta, Accounts, GNIT Mrs. Sumana Bhattacharjee, Staff, GNIT</p>
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Department of Electronics organized Five days FDP on "Recent Trends in Communication & Wireless Networks"

<p style="text-align: center;">Five Days Online National Faculty Development Program On</p> <p style="text-align: center; background-color: #FFD700; padding: 5px;">"Recent Trends in Communication & Wireless Networks"</p> <p style="text-align: center;">ON 25th June, 2018 To 29th June, 2018 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 style="text-align: center;"> </p>	<p style="border: 1px solid black; padding: 2px; display: inline-block;">Convener</p> <p style="font-size: small;">Dr. Sunipa Roy, HOD, ECE Dept., GNIT Dr. Suparna Biswas, Assistant Professor, ECE Dept., GNIT</p> <p style="border: 1px solid black; padding: 2px; display: inline-block;">Coordinator</p> <p style="font-size: small;">Mrs. Palasri Dhar Assistant Professor, ECE Dept., GNIT</p> <p style="border: 1px solid black; padding: 2px; display: inline-block;">Contact Info</p> <p style="font-size: small;">Dr. Sunipa Roy – 9830751850 Dr. Suparna Biswas – 8017432780</p>	<p style="text-align: center; border: 1px solid black; padding: 2px;">Organizing Committee</p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><u>Technical committee</u></p> <p style="font-size: x-small;">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 style="text-align: center; border: 1px solid black; padding: 2px;"><u>Registration committee (Attendance)</u></p> <p style="font-size: x-small;">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. Sunita Pandit, Technical Assistant, Dept. of ECE Mrs. Dyuti Nandi, Technical Assistant, Dept. of ECE</p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><u>Feedback Committee</u></p> <p style="font-size: x-small;">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 style="text-align: center; border: 1px solid black; padding: 2px;"><u>Certificate committee</u></p> <p style="font-size: x-small;">Dr. Suparna Biswas, 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 style="text-align: center; border: 1px solid black; padding: 2px;"><u>Media committee</u></p> <p style="font-size: x-small;">Dr. Avali Banerjee, Assistant Professor, Dept. of ECE Mrs. Anurima Majumdar, Assistant Professor, Dept. of ECE Mrs. Swagata Bhattacharya, Assistant Professor, Dept. of ECE</p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><u>Advisory committee</u></p> <p style="font-size: x-small;">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 style="text-align: center; border: 1px solid black; padding: 2px;"><u>Finance Committee</u></p> <p style="font-size: x-small;">Mr. Soumik Jash, Accounts, GNIT Mr. Subhankar Bose, Accounts, GNIT Mr. Shantanu Dasgupta, Accounts, GNIT Mrs. Sumana Bhattacharjee, Staff, GNIT</p>
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Sl. No.	Name, Designation & Department	Seminar/ WorksSoma Mannahop/ Conference	Duration	
			From	To
1	Koushik Pal, Asst Prof, ECE	AICTE Sponsored FDP on "Recent Developments in Artificial Intelligence & Robotics	03rd January 2018	13th January 2018
2	Sayan Roy Chaudhuri, Assistant Professor, ECE	Faculty Delegation :: 52nd Annual Convention (CSI)	19.1.18	-
3	Sayan Roy Chaudhuri, Assistant Professor, ECE	AICTE Sponsored FDP on "Recent Developments in Artificial Intelligence & Robotics	03rd January 2018	13th January 2018
4	Prof. Arun K Mondal	Emerging Trends in Electronic Devices and Computational Techniques (EDCT), 2018. Technically Co-sponsored by IEEE	8.3.18	9.3.18
5	Anurima Majumdar			
6	Antara Ghosal			
7	Suparna Biswas			
8	Avali Banerjee			
9	Swagata Bhattacharya			
10	Surajit Basak			
11	Koushik pal			
12	Soma Boral			
13	Sayan Roy chaudhuri			
14	Aditi Sengupta			
15	Palasri Dhar			

ii. Students

Sl. No.	Name, Designation & Department	Seminar/ WorksSoma Mannahop/ 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	

Publication

a. Faculty and staff

International Conference: 20

International Journal: 10

b. Student:

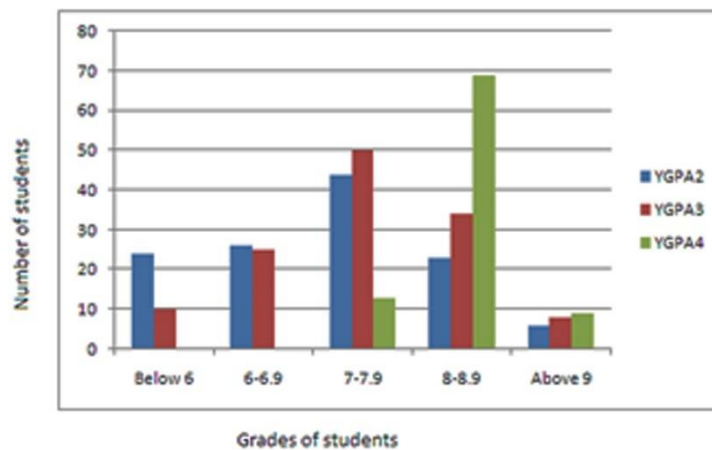
International Conference: 10

International Journal: 02

	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

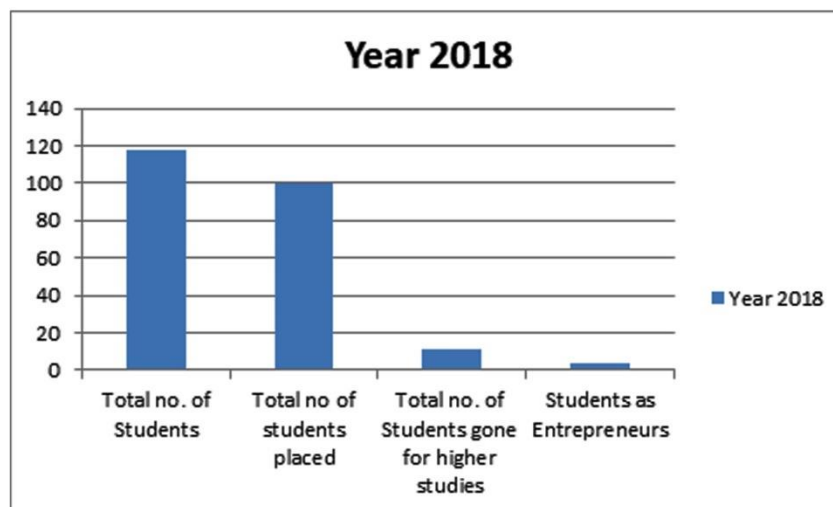
Result (Bar chart)

Result Analysis (2017-2018)



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

Placement and higher studies (Bar chart)



Emphasis should be given on Achievements and Research Activities

Annual Report

2017-18



GURU
NANAK
INSTITUTE of
TECHNOLOGY

DEPARTMENT OF ELECTRICAL ENGINEERING

GNIT ANNUAL REPORT 2017-18

Department of Electrical Engineering

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

2017-2018

Achievements:

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	Vicky Paswan Vandana Rani Soyel Ghosh	Conference	National	"Footstep Power Generation using Piezoelectric Effect" FOSET	25 th March, 2018	Won 1st prize in FOSET

Academic Achievements:

Name of the Dept.	Name of the Student	Current Semester	YGPA score (last odd and even of 2017)	Remarks
EE	Ankit Saha	4 th , B.Tech	9.145	KRITI Award 2018
EE	Avijit Mondol	4 th , B.Tech	9.54	KRITI Award 2018
EE	Romika Saha	4 th , B.Tech	9.3	KRITI Award 2018
EE	Debanjan Chaterjee	Diploma 4 th	9.13	KRITI Award 2018

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	Nilasha Sen	Pass Out	8.94	
EE	Purabi Majumder	8 th B.Tech	8.67	
EE	Rittwik Roychowdhury	6 th , B.Tech	8.75	
EE	Ankit Kumar Sharma	Diploma 6 th	8.8	
EE	Debanjan Chaterjee	4 th , Diploma	9.13	

**Participation:
Paper Publication/ Conference**

Name of the Dep t.	Name of the Student(s)	Type of Publication (Journal/Conference/Abstract/Proceedings/Books/etc)	National/ International	Publication details (Place of publication)	Date
EE	Arijit Banik, Bodhayan Aich	Conference	International	EDCT- 2018	8-9 TH March, 2018
EE	Souvik Biswas, Purabi Majumder	Conference	National	'GSM Based Fire Alarm System" FOSET, March,2018	25 th March,2 018
EE	Debasis Agasti, Sukhdev Dolui, Surajit Biswas	Conference	International	"Micro-controller Based Over Current Relay Using Hall Effect Current Sensor" International conference on EDCT- 2018	8-9 TH March, 2018
EE	Debasis Agasti	Conference	International	"Controlling of mobile car robots using IR sensors and a tripple axis magnetometer" International conference on EDCT- 2018	8-9 TH March, 2018
EE	Ritam Roy, Soudip Mal, Sounak Ghosh	Conference	National	Intelligent Energy Saving System FOSET	25 th March,2 018
EE	Rohan Pal, Sourav Sarkar, Shouvik Sarma Chowdhury	Conference	National	"Smart Surveillance System Using Passive Infrared Sensor" FOSET	25 th March,2 018
EE	Vandana Rani, Vicky Paswan, Soyel Ghosh	Conference	National	"Footstep Power Generation using Piezoelectric Effect" FOSET	25 th March,2 018

Non-Academic Achievements
(Cultural, Sports, External Projects, Research, etc)

Name of the Dept.	Name of Student	Achievement Description	Month and Year of achievement
EE	Surya Shekhar Majhi, EE2, 4 th Year	Champion in "Adamas Inter College Football Tournament- 2018"	April, 2018
		MAKAUT Intercollege Football TOURNAMENT, ZONE3	April, 2018
EE	Rantu Das, EE2, 4 th Year	Runner up in "MAKAUT Intercollege Zone III Cricket tournament 2018"	9 th Feb 2018
		Batting for the Underprivileged at Eden Gardens in "Parivar Premiere League"	4 th Mar, 2018
		Runner up in "BBIT Champions Trophy 2018"	17 th -23 th April 2018
		Champion in Neotia Institute Of Technology, Management and Science	27 th April- 1 st May, 2018
		Champion in Merin College	March, 2018
EE	Sayan Saha, EE2 4 th Year	Champion in Sarder Jodh Singh Memorial Trophy	
		Runner up in JIS Tech 2K17 (Inter College Model Presentation)	April, 2017
EE	Shubhadip Som, EE2 4 th Year	Runner up in JIS Tech 2K17 (Inter College Model Presentation)	April, 2017
EE	Sourav Kanrar, EE2 4 th Year	Runner up in JIS Tech 2K17 (Inter College Model Presentation)	April, 2017
EE	Mrinal Chakroborty, EE1, 4 th Year	Won 1 st Prize in photography contest in Jadavpur University	March, 2018
EE	Sayan Ghosh, EE2, 4 th Year	National Level Model Display, 2017, IEST, Shibpur	October, 2017
EE	Vicky Paswan, EE2, 4 th Year	Won Best Paper Award in FOSET, 2018	March, 2018
EE	Vandana Rani, EE2, 4 th Year	Won Best Paper Award in FOSET, 2018	March, 2018
EE	Soyel Ghosh, EE2, 4 th Year	Won Best Paper Award in FOSET, 2018	March, 2018

EE	Prajeet Kanungo, EE1, 3 rd Year	T2 Festopolise 1st Prize solo singing	September, 2017
		RHAPSODY (Calcutta Medical College Intercollege Fest) 1st prize solo singing.	September, 2017
		ZERON (Calcutta Business School) 1st prize solo singing	Jan, 2018
		UEM Intercollege Fest 3rd prize	Feb, 2018
		Meghnad Saha Institute of Technology Intercollege Fest 1st prize	April, 2018
		JIS Intercollege Fest 1st Prize Shudhir Chandra Sur Degree Engineering College Intercollege Fest 1st Prize	May, 2018 May, 2018
		IIT Spring Fest Solo singing 4th Prize	Jan, 2018
EE	Piu Mishra, EE1, 3 rd Year	INSTRUO 2017 (Innovation Challenge, Indian Institute of Engineering Science and Technology, Shibpur), Secured 2 nd place	October, 2017
EE	Biswadip Paul, EE1, 3 rd Year	INSTRUO 2017 (Innovation Challenge, Indian Institute of Engineering Science and Technology, Shibpur), Secured 2 nd place	October, 2017
EE	Atul Sharma, EE1, 3 rd Year	Secured 2 nd position at Robotics Event "Robo Rumble", Innovacion 2018 UEM TECHFEST.	Jan, 2018
		Secured 1 st position at Robotics Event "Robo Soccer", Bits2Bytes 2018, Bengal Institute of Technology	March, 2018
		Secured 1 st position at Robotics Event "Clash-O-Combat", Bits2Bytes 2018, Bengal Institute of Technology	March, 2018
		Secured 1 st position at Robotics Event "Maze-O-Craze", Bits2Bytes 2018, Bengal Institute of Technology	March, 2018
		Campus Ambassador Internship at IIT Delhi	September, 2017
EE	Jalaj Jha, EE1, 3 rd Year	Runner up in "MAKAUT Intercollege Zone III Cricket tournament 2018"	9 th Feb 2018
EE	Ankan Samanta, EE1, 3 rd Year	Makaut, Football Tournament, Zone 3, Runner Up	October, 2017
EE	Debasish Agast, EE1, 3 rd Year	Tech Talent Hunt 2k17, A project Competition, NIT, Secured 2 nd position	September, 2017
		Quantum levitation snow vehicle: Qualified for 2 nd round in DRDO DRUSE competition	April, 2018
		Project (Automated metering) is accepted by CESC	January, 2018
EE	Uddipan Bose, EE2, 3 rd Year	Makaut, Football Tournament, Zone 3, Runner Up	October, 2017

b. Faculty Achievements / Participation / Recognition

2017-2018

1. Participation:

Paper Publication/ Conference

<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>
EE	Susovan Dutta	Conference/Abstract	National	National Conference On Non Conventional Energy: Harvesting and Its Challenges (NCEHTC-2017), Assam Engineering College	17-18 November, 2017
EE	Sisir Mazumder	Journal	International	IJECS	9 TH Dec, 2017
EE	Prof(Dr) J K Das & Suman Ghosh	Conference	International	“Real value cost analysis of 5Kwp solar photovoltaic power plant”. Computing, Communication and Sensor Network(CCSN –2017)	31 st Dec, 2017
EE	Rikta Majumder	Journal	International	IJECS	9 TH Dec, 2017
EE	Debraj Sarkar	Journal	International	D. Sarkar, D. Roy, A.B. Choudhury, S. Yamada, “A Jiles-Atherton’s Hysteresis Approach in Analysing the Effect of Field Suppression in SISFCL”, Electric Power Components and Systems.	August, 2017
EE	Debraj Sarkar	Journal	International	D. Sarkar, D. Roy, A.B. Choudhury, S. Yamada, “An Improved Field Suppression System for SISFCL”, IEEE Transactions on Applied Superconductivity.	August, 2017

EE	Rikta Majumder	Conference	International	“Controlling of mobile car robots using IR sensors and a tripple axis magnetometer” International conference on EDCT- 2018	8-9 TH March, 2018
EE	Suman Ghosh	Conference	International	EDCT- 2018	8-9 TH March, 2018
EE	Anindita Ganguly	Journal	IE(I),S pringe r	Solution of Volterra and Fredholm classes of equations via Triangular orthogonal function, Springer	April 2018
EE	Anindita Ganguly	Conference	International	Analysis of time-delayed non-linear equations using HF functions “ ICMMSC, Indore	July 2018
EE	Anindita Ganguly	Conference	International	Hybrid function based design of unidentified input observer presented at ACODS and International Federation of Automatic Control, Hyderabad	18 th - 22 nd Feb, 2018
EE	Rikta Majumder	Conference	National	Intelligent Energy Saving System ,FOSE	25 th March,2018
EE	Rikta Majumder	Conference	National	Smart Surveillance System Using Passive Infrared Sensor” FOSET	25 th March,2018
EE	Susovan Dutta	Conference	National	GSM Based Fire Alarm System” FOSET	25 th March,2018
EE	Madhumita Chakraborty	Conference	National	“Footstep Power Generation using Piezoelectric Effect” FOSET	25 th March,2018

Department of Electrical Engineering
Organized Staff Development Program
on
Basic Network Security
from
19th -23rd November, 2017.

Stuff Development Program

On

**BASIC NETWORK
SECURITY**

19th-23th November, 2017

Organized by:

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



**Department of Electrical
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

Convener

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

Workshops & FDP

<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	Susovan Dutta	NCCNCE	Conference	National Conference On Non Conventional Energy: Harvesting Technology and Its Challenges (NCEHTC-2017), Assam Engineering College	18 th November, 2017, Assam Engineering College & AICTE
EE	Arindam Roy	SkillX Autumn 2017			24.11.2017 JIS University
EE	Suman Ghosh	Workshop on Research Methodology for Ph	WORKS HOP		07.12.2017- 09.12.2017 IEST, Shibpur
EE	Susovan Dutta	ISTE-STTP WORKSHOP	WORKS HOP	POWER SYSTEM	10.7.17 – 15.7.15 IIT, Kharagpur
EE	Sisir Mazumder	ISTE-STTP WORKSHOP	WORKS HOP	POWER SYSTEM	10.7.17 – 15.7.15 IIT, Kharagpur
EE	Madhumita Chakraborty	National workshop	WORKS HOP	National workshop on IPR for sensitizing and creating IP awareness among various stake holders.	25.8.2017 JISCE, Kalyani

Workshops & FDP

EE	Susovan Dutta	Seminar (50 th Engineers day)	SEMINAR		15.09.2017 IE(I)
EE	Rikta Mazumder	Workshop	WORKSHOP		18.09.2017 EE,DSCSDEC
EE	Arindam Roy	Workshop	WORKSHOP		18.09.2017 EE,DSCSDEC
EE	Susovan Dutta	Workshop on NBA	WORKSHOP		23.10.2017 GNIT
EE	Rikta Mazumder	Workshop on NBA	WORKSHOP		23.10.2017 GNIT
EE	Sisir Mazumder	Workshop on NBA	WORKSHOP		23.10.2017 GNIT
EE	Bikram Dutta	Workshop on NBA	WORKSHOP		23.10.2017 GNIT
EE	Susovan Dutta		SEMINAR	One day seminar on Gas Insulated Sub-Station by Dr.Harman Koch, Siemens, Germany.	05.01.2018 Jadavpur university
EE	Susovan Dutta		SEMINAR	One day seminar on “ Digital substation & power quality management system	17.04.2018 Techno India , Rajarhat
EE	Rikta Mazumder		SEMINAR	One day seminar on “ Digital substation & power quality management system”	17.04.2018 Techno India , Rajarhat

Achievements:

Name of the Student	Name of Achievements / Participation / Recognition	Type of Achievements / Participation / Recognition	Details of Achievements / Participation / Recognition	Date & Venue	Remarks
Madhumita Chakraborty	Conference	National	“Footstep Power Generation using Piezoelectric Effect” FOSET	25 th March, 2018	Won 1st prize in FOSET

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 SOUTHERN GENERATING STATION, CESC LTD, KOLKATA on 12th & 13th October, 2017.



- 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 15Kw Solar Plant at GuruNanak Institute of Pharmaceutical Science and Technology.



- GNIT bids an emotional farewell to the eminent Professor Kalyan Kumar Chakraborty after a decade long association in academics, in presence of Principal, GNIT, senior administrative officers, HOD, EE and all departmental faculty members on 20th July, 2017.



- Prof (Dr.) J. K. Das , HOD, EE attended “Ki Hote Chai” program in DD Bangla on 12.05.17



Seminar/Workshop/ Conference Organised by Electrical Engineering Department

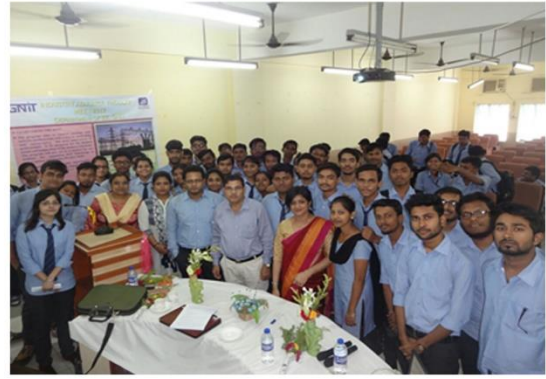
Sl. No.	Name of Dept.	Name of the Industry	Date of Visit	Organized by (Name & Designation)	Outcome
1	EE	CESC , Kolkata	06.09. 2017	Mr. Debril Chakraborty, Assistant Manager, CESC Ltd	The Speaker (Industry Mentor) explain in detail the Industrial Earthing System to Diploma & Degree students (70nos). This is highly beneficial to increase the practical exposure in getting core job.
2	EE	CESC Ltd	31.10. 2017	Mr. Monotosh Chowdhury, In-charge (O&MTI), CESC Ltd., Susovan Dutta(TIC,EE), Rikta Mazumder, Asstt Prof, EE & Pamela Chatterjee(Manager, Industry Alliance)	The Department of Electrical Engineering, GNIT organized Industry Adjunct Faculty Meet for both B. Tech. and Diploma students for a lively and effective interactive technical session on POWER SYSTEM SCENARIO IN INDIA , on 31 st Oct, 2017. Our students took deep interest in the subject and raised pertinent questions that were most relevant for their professional development. The eminent speaker Mr. Monotosh Chowdhury, senior level Manager from CESC Ltd (Industry Adjunct Faculty) , conducted the session with professional zeal and technical expertise and hence made the event a great success.

Department of Electrical Engineering organized FDP on "Challenges in Evolving Power Systems"

<p style="text-align: center;">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 style="text-align: center;">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.</p> <p>Electrical Engineering Department is constantly pursuing for upliftment of Academic & Professional standard, values & ethics.</p>	<p style="text-align: center;">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. J. K Das (HOD) Dept. of Electrical Engineering, GNIT E-mail: head_ee.gnit@jisgroup.org</p> <p>Convener: 1. Mr. Sushovan Dutta Dept. of Electrical Engineering, GNIT E-mail: sushovan.dutta@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 E-mail: fdp.ev2020@gmail.com</p> 	<div style="text-align: center;">  </div> <div style="text-align: center; border: 2px solid blue; padding: 10px; margin: 10px 0;"> <p>Faculty Development Program on Challenges in Evolving Power System</p> </div> <div style="text-align: center; border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>5th January- 9th January, 2018</p> </div> <div style="text-align: center;">  </div> <p style="text-align: center;">Organized by: Dept. of Electrical Engineering Guru Nanak Institute of Technology</p>
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Department of Electrical Engineering organized FDP on "Smart Practices Towards Tommorrow's Electricity Paradigm"

<p style="text-align: center;">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 style="text-align: center;">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.</p> <p>Electrical Engineering Department is constantly pursuing for upliftment of Academic & Professional standard, values & ethics.</p>	<p style="text-align: center;">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. J. K Das (HOD) Dept. of Electrical Engineering, GNIT E-mail: head_ee.gnit@jisgroup.org</p> <p>2. Mr. Sushovan Dutta Dept. of Electrical Engineering, GNIT E-mail: sushovan.dutta@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 E-mail: fdp.ev2020@gmail.com</p> 	<div style="text-align: center;">  </div> <div style="text-align: center; border: 2px solid blue; padding: 10px; margin: 10px 0;"> <p>Faculty Development Program ON SMART PRACTICES TOWARDS TOMMORROWS ELECTRICITY PARADIGM</p> </div> <div style="text-align: center; border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>21st June to 25th June 2018</p> </div> <div style="text-align: center;">  </div> <p style="text-align: center;">Organized by: Dept. of Electrical Engineering Guru Nanak Institute of Technology</p>
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- Parent mentor meet has been conducted at EE dept 11/11/2017
- Parent mentor meet has been conducted at EE dept 21/04/2018



- Conduction of BOS meetings

Name of the committee	Date of meeting	Departmental / Institutional	Name of the Department
BOS	11.12.2017	Departmental	EE

- 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	Susovan Dutta	Conference	National	National Conference On Non Conventional Energy: Harvesting Technology and Its Challenges (NCEHTC-2017), Assam Engineering College	18 th Nov, 2017
EE	Arindam Roy	Conference	International	SkillX Autumn 2017 , JIS University	14 th Nov, 2017
EE	Suman Ghosh	Workshop	National	Workshop on Research Methodology for Ph D , IEST, Shibpur	09 th Dec, 2017
EE	Susovan Dutta	Workshop	National	ISTE-STTP WORKSHOP ON POWER SYSTEM, IIT, Khragpur	10 th -15 th July, 2017
EE	Sisir Mazumder	Workshop	National	ISTE-STTP WORKSHOP ON POWER SYSTEM, IIT, Khragpur	10 th -15 th July, 2017
EE	Madhumita Chakraborty	Workshop	National	National workshop on IPR for sensitizing and creating IP awareness among various stake holders, JISCE, Kalyani	25 th Aug, 2017
EE	Susovan Dutta	Seminar	National	Seminar(50 th Engineers day), IE(I)	15 th Sept, 2017

EE	Rikta Mazumder	Workshop	National	Workshop on NBA, GNIT	23 rd Oct, 2017
EE	Susovan Dutta	Workshop	National	Workshop on NBA, GNIT	23 rd Oct, 2017
EE	Sisir Mazumder	Workshop	National	Workshop on NBA, GNIT	23 rd Oct, 2017
EE	Bikram Dutta	Workshop	National	Workshop on NBA, GNIT	23 rd Oct, 2017
EE	Rikta Majumder	Conference	International	“Micro-controller Based Over Current Relay Using Hall Effect Current Sensor” International conference on EDCT- 2018	8-9 TH March, 2018
EE	Rikta Majumder	Conference	International	“Controlling of mobile car robots using IR sensors and a tripple axis magnetometer” International conference on EDCT- 2018	8-9 TH March, 2018
EE	Suman Ghosh	Conference	International	EDCT- 2018	8-9 TH March, 2018
EE	Anindita Ganguly	Conference	International	“Analysis of time-delayed non-linear equations using HF functions “ICMMSC, Indore	July 2018
EE	Anindita Ganguly	Conference	International	Hybrid function based design of unidentified input observer presented at ACODS and International Federation of Automatic Control, Hyderabad	18 th -22 nd Feb, 2018
EE	Prof(Dr) J K Das & Suman Ghosh	Conference	International	“Real value cost analysis of 5Kwp solar photovoltaic power plant”. Computing, Communication and Sensor Network(CCSN – 2017)	31 st Dec, 2017
EE	Rikta Majumder	Conference	National	Intelligent Energy Saving System ,FOSET	25 th March, 2018

EE	Rikta Majumder	Conference	National	“Smart Surveillance System Using Passive Infrared Sensor” FOSET	25 th March, 2018
EE	Susovan Dutta	Conference	National	‘GSM Based Fire Alarm System’ FOSET	25 th March, 2018
EE	Madhumita Chakraborty	Conference	National	“Footstep Power Generation using Piezoelectric Effect” FOSET	25 th March, 2018

• 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	ARIJIT BANIK, BODHAYAN AICH	SUMAN GHOSH	Conference	International	EDCT- 2018	8-9 TH March, 2018
EE	Souvik Biswas, Purabi Majumder	Susovan Dutta	Conference	National	‘GSM Based Fire Alarm System’ FOSET, March,2018	25 th March, 2018
EE	Debasis Agasti, Sukhdev Dolui, Surajit Biswas	Rikta Majumder	Conference	International	“Micro-controller Based Over Current Relay Using Hall Effect Current Sensor” International conference on EDCT- 2018	8-9 TH March, 2018

EE	Debasis Agasti	Rikta Majumder	Conference	International	“Controlling of mobile car robots using IR sensors and a tripple axis magnetometer” International conference on EDCT- 2018	8-9 TH March, 2018
EE	Ritam Roy, Soudip Mal, Sounak Ghosh	Rikta Majumder	Conference	National	Intelligent Energy Saving System ,FOSET	25 th March, 2018
EE	Rohan Pal, Sourav Sarkar, Shouvik Sarma Chowdhury	Rikta Majumder	Conference	National	“Smart Surveillance System Using Passive Infrared Sensor” FOSET	25 th March, 2018
EE	Vandana Rani, Vicky Paswan, Soyel Ghosh	Madhumita Chakraborty	Conference	National	“Footstep Power Generation using Piezoelectric Effect” FOSET	25 th March, 2018

Co-curricular & Extra Curricular activities:

Sl.	Name of the Student	Dept.	Details of Co-curricular activities
1	Sourabh Kr. Bhattacharjee (3 rd year)	EE	Participated in 8 Ball Pool & Paint Ball in TESSERACT 2018
2.	Uddipan Bose(3 rd year)	EE	Participated in Cultural Fest at GNIT, 2018
3.	Sourav Bose(3 rd year)	EE	Participated in Cultural Fest at GNIT, 2018
4.	Shibaditya Halder(3 rd year)	EE	Participated in Cultural Fest at GNIT, 2018

5.	Ajay Das(3 rd year)	EE	Participated in Cultural Fest at GNIT, 2018
6.	Soumik Nandi(3 rd year)	EE	Participated in Robowar, Robo-soccer, terrand & model display in TESSERACT 2018
7.	Surajit Panjal(3 rd year)	EE	Participated in Robowar, Robo-soccer, terrand & model display in TESSERACT 2018
8.	Binay Prasad(3 rd year)	EE	Participated in techfest model display held at GNIT on 8th feb 2018
9.	Anshumita Banerjee (3 rd year)	EE	Participated in techfest held at Nit shibpur (2018)
10.	Anshumita Banerjee (3 rd year)	EE	Participated in techfest held at GNIT
11	Swarnabh Halder(3 rd year)	EE	Participated in Robowar, Robo-soccer, terrand & model display in TESSERACT 2018
12	DEBASIS AGASTI (3 RD yr)	EE	Model Presentation at Kolkata book fair on 6 th February 2018
13	DEBASIS AGASTI (3 RD yr)	EE	Model Presentation at TECHFEST, GNIT on 8 th February 2018, TITLE - gesture controlled wheel chair with automatic reverse dead end stopping.
14	DEBASIS AGASTI (3 RD yr)	EE	Quantum levitation snow vehicle: Qualified for 2 nd round in DRDO DRU SE competition.
15	Rantu Das (4 th yr)	EE	– Participated Zonal level Cricket Tournament



Participated in the Cricket
Tournament SJSMCT -2018



Participated in the Zonal level
Football Tournament



Participated in the Cricket
Tournament SJSMCT -2018



Participated in the Zonal
level Cricket Tournament



EE Faculty Participated in the Cricket Tournament SJSMCT -2018



EE Wall magazine (Electroglint) published on 08/11/2017



EE Newsletter (Electro Impression) published on 08/11/2017

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.
- RiktaMajumder, Ritam Roy, Soudip Mal, Sounak Ghosh Intelligent Energy Saving System , FOSET, March,2018.
- RiktaMajumder, Rohan Pal, Sourav Sarkar, ShouvikSarma Chowdhury “Smart Surveillance System Using Passive Infrared Sensor” FOSET, March,2018.
- Susovan Dutta, Souvik Biswas, PurabiMajumder ‘GSM Based Fire Alarm System” FOSET, March,2018.
- MadumitaChakroborty, Vandana Rani, Vicky Paswan, Soyel Ghosh “Footstep Power Generation using Piezoelectric Effect” FOSET, March,2018.

International / National Journal

DEPARTMENT: EE

- AninditaGanguly “Solution of Volterra and Fredholm classes of equations via Triangular orthogonal function”, IE(I) Springer April 2018.
- RiktaMajumder, SisirMazumder, “Microprocessor Based Digital Motor Protection Relay Model For Different Fault Conditions” IJEECS, Volume 6, Issue 12, December 2017, ISSN 2348-117X 9th dec,2017.

International Seminar/Conference

DEPARTMENT: EE

- Suman Ghosh, Prof. Dr. J K Das, Prof Dr. Chandan Kr. Chanda “Real Value Cost Analysis of 5KWp Solar Photovoltaic Power Plant: A Case Study” 6th International Conference on Computing, Communication and Sensor Network, CCSN2017, 31st dec, 2017.
- RiktaMajumder, Surajit Biswas, DebasisAgasti, SukhdevDolui “Micro-controller Based Over Current Relay Using Hall Effect Current Sensor” International conference on Emerging Trends in Electronic Devices and Computational Techniques. , 9th March,2018.
- RiktaMajumder, DebasisAgasti, Arpan Lahiri “Controlling of mobile car robots using IR sensors and a tripple axis magnetometer” International conference on Emerging Trends in Electronic Devices and Computational Techniques. , 9th March,2018.
- AninditaGanguly “Hybrid function based design of unidentified input observer presented at ACODS and International Federation of Automatic Control” Hyderabad, International Conference 18th-22nd Feb, 2018.
- AninditaGanguly “Analysis of time-delayed non-linear equations using HF functions “ ICMMS, Indore International Conference July 2018

Students Publication Details

National Seminar/Conference

DEPARTMENT: EE

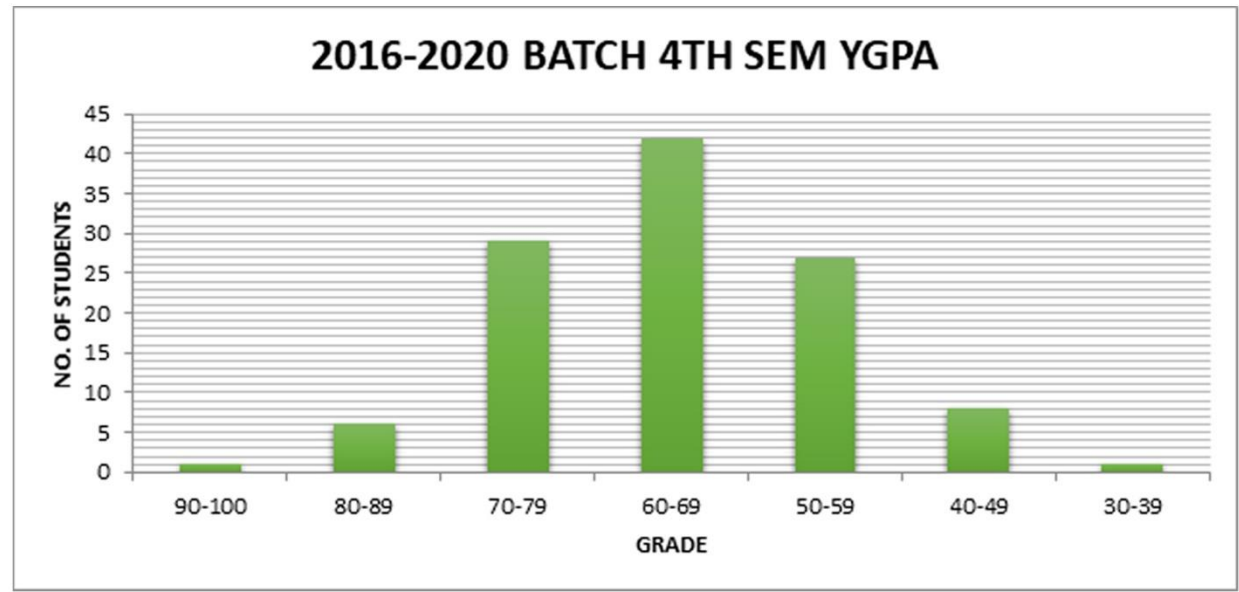
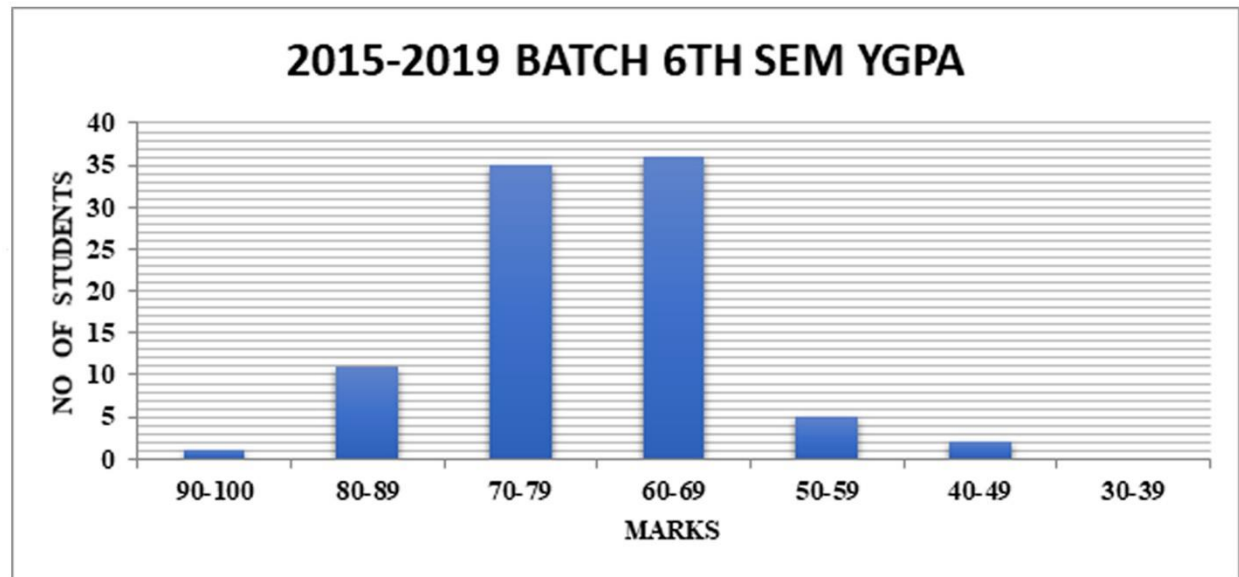
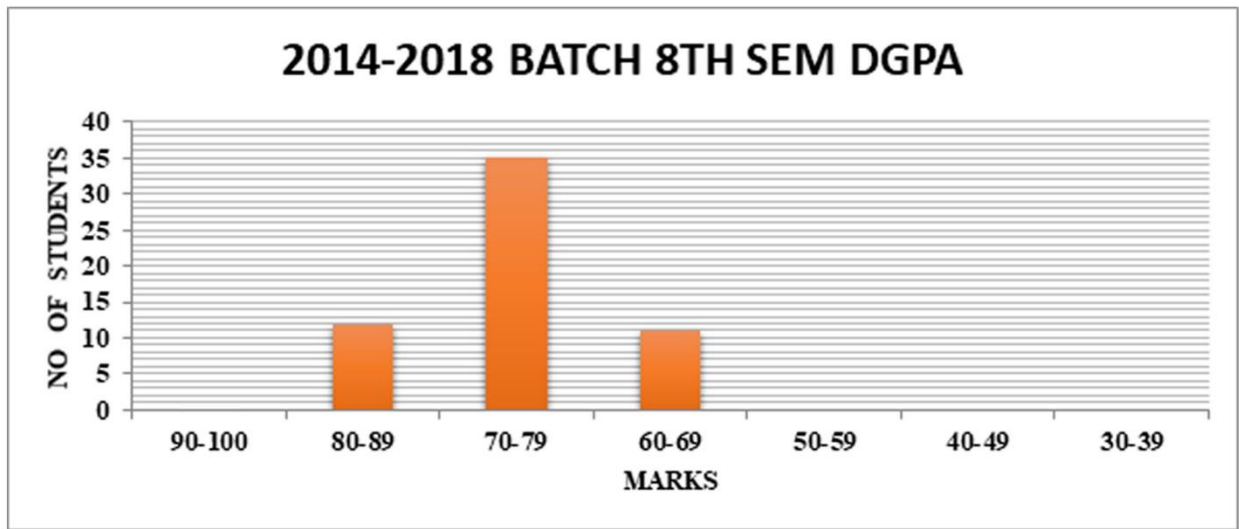
- **Suvam Pal, SayandeepNayak, SourishBhattacharya,**”HybridInverterwith Solar Battery Charging”, FOSET, March, 2018.
- **SayanSaha, SubhadipSom, SouravKumar,**”True Ultra-Fast Electronic Solid-state Circuit Breaker”, FOSET, March, 2018.
- **AbhishekMondal, Arijit Sinha, Ambar Ghosh, BiswajitPal,**”Open Loop Speed Control of Chopper Fed DC Motor”, FOSET, March, 2018.
- **HimadriShekharMondal, SubharupChakraborty, SujoyBhattacharjee,** Sumer Raj Verma, ”Dual Axis Solar Tracker”, FOSET, March, 2018.
- **Piu Mishra, Biswasdip Paul,** “Design of a Voice Controlled JCB Pulley Used For Remote Sensing”, FOSET, March, 2018.
- **Somnath Bhattacharya, SaikatBera, Subarna Das,** Subrata kr. Paul, “Induction Motor Protection System”, FOSET, March, 2018.
- **Ritam Roy, Soudip Mal, Sounak Ghosh,** RiktaMajumdar, “Intelligent Energy Saving System”, FOSET, March, 2018.
- **Vandana Rani, Vicky Paswan, Soyel Ghosh, MadhumitaChakroborty,** “Foot Step Power Generation using Piezoelectric Effect”, FOSET, March, 2018.
- **Sourav Sarkar, Rohan Pal, ShouvikSarma Chowdhury, RiktaMajumdar,** “Smart Surveillance System Using Passive Infrared Sensor”, FOSET, March, 2018.
- **PurabiMajumder, Souvik Biswas, SusovanDutta,**”GSM Based Fire Alarm System”, FOSET, March, 2018

International Seminar/Conference

DEPARTMENT: EE

- **Surajit Biswas, DebasishAgasti, RiktaMajumder, SukhdevDolui,** “Micro-controller Based Over Current Relay Using Hall Effect Current Sensor”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March,2018
- **DebasishAgasti, Arpan Lahiri, RiktaMajumder,** “Controlling of mobile car robots using IR Sensor and a triple axis magnetometer”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March,2018.
- **Piu Mishra, Biswasdip Paul, Mr. Kalyan Kumar Chakroborty,** “A Smart Method of Road Power Generation”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March,2018.
- **DebasishAgasti, Arpan Lahiri, Bapita Roy,** “Optical Fibre Based Smart Illumination System” , International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March,2018.
- **ArnabDey, BipulNath, BiplabMondal, RajarshiChakraborty,**” New Approach of a Conceptual Solar Thermal Stream Generatorand its Design & Optimization”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March,2018

Result (Bar chart) :



Placement and higher studies

Student's Name	Company Name
ARINDAM MITRA	Capgemini
SAYAN SAHA	Capgemini
SOURAV KANRAR	Capgemini
KAUSHIK BOSE	Pinnacle
ABHISHEK MONDAL	Genpact
RAJESH DUTTA	Vastu Vihar
SHUBHADIP SOM	Vastu Vihar
TUSHAR VERMA	Hearing Plus
ARJEET CHAKRABORTY	Think & Learn (Byju's)
ANKIT SAHA	Vijai Electronics
SUMER RAJ VERMA	Vijai Electronics
SHOUVIK SARMA CHOUDHURY	Haricons Engineers & Contractors
SOURABH KUMAR BHATTACHARJEE	Go Speedy Go
VANDANA RANI	Zicom

Higher Studies Data of 2018 pass out

Name	University Roll	Pursuing Degree	Institute
Sarbartha Dasgupta	14301613082	Executive PGDM	IISWBM, Kolkata
Himadri Shekhar Mondal	14301614027	M.E(Machines)	JU
Arijit Banik	14301614009	M.Tech(Electrical Devices & Power systems)	JISCE
Soyel Ghosh	14301614062	M.Tech(Electrical Devices & Power systems)	JISCE

Annual Report

2017-18



GURU
NANAK
INSTITUTE of
TECHNOLOGY

DEPARTMENT OF FOOD TECHNOLOGY

GNIT ANNUAL REPORT 2017-18

Department of Food Technology

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
1	Riya Dasgupta	5h August, 2017	Awarded 2 nd Prize in the Poster Presentation on National Seminar organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WB UAFS, Nadia on the topic of Banana Peel Muffin: A great way of waste utilization.
2	Rupsa Roychoudhury	5h August, 2017	Awarded 2 nd Prize in the Poster Presentation on National Seminar organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WB UAFS, Nadia on the topic of Banana Peel Muffin: A great way of waste utilization.
	Nilanjana Dey	8 th September, 2017	Awarded 2 nd prize in Online Quiz in Prakriti, IIT-K GP..
3	Prithweejit Bhattacharyya	October, 2017	Awarded 1 st prize in debate competition (organized by AEIE)
4	Bidisha Ghosh	October, 2017	Awarded 3 rd prize in debate competition (organized by AEIE)
5	Suparna Mukherjee	2018	Awarded 1 st prize in Poster Competition (TESSERA CT, 2018)
6	Akash Kusum Maiti & Khushi Maheswari	2018	Awarded 2 nd prize in Poster Competition (TESSERA CT, 2018)
7	Sramana Roy	2018	Awarded 1 st prize in Quiz Competition (TESSERA CT, 2018)
8	Riya Dasgupta (Guided by Dr. Kakali Bandyopadhyay)	2018	Best Paper Award in EDCT 2018

9	Neha Jaiswal	2018	Awarded 3 rd Prize in Online Quiz (Prakriti 2018)
10	Neha Jaiswal & Aurik Bairagi (Guided by Mr. Arka Roychowdhury & Ms. Shairee Ganguly)	2018	Awarded 1 st Prize in Paper Presentation in A gri Engg, Bio-Tech. & Food Tech. Section (FOSET)
11	Rupsa Roychowdhury	2018	Qualified in Gate 2018
12	Prostuti Chakravorty	2018	Qualified in Gate 2018
13	Manasi Roy	2018	Qualified in Gate 2018
14	Umni Sarkar	2018	Received award in KRITII for scoring-9.49 & for Departmental Topper of YGPA-2
15	Suparna Mukherjee	2018	Received award in KRITII for scoring-9.16
16	Shalini Rastogi	2018	Received award in KRITII for scoring-9.02
17	Riya Dasgupta	2018	Received award in KRITII for scoring-9.19 & for Departmental Topper of YGPA-3
18	Rupsa Roychowdhury	2018	Received award in KRITII for scoring-9.06
19	Puja Ghosh	2018	Received award in KRITII for scoring-9.04
20	Prostuti Chakravorty	2018	Received award in KRITII for scoring-9.04
21	Sanjana Chakraborti	2018	Received award in KRITII for Departmental Topper of YGPA-4
22	Riya Dasgupta	2018 Passout	Awarded 2nd Position and received silver Medal From MAKAUT in B.Tech Examination, 2018.
23	Prastuti Chakravorty	2018 Passout	Awarded 3rd Position and received From Bronze Medal MAKAUT in B.Tech Examination, 2018.

Sl No	Pictures	Details
1		Riya Dasgupta Awarded 2nd Position and received silver Medal From MAKAUT in B.Tech Examination, 2018.
2		Riya Dasgupta & Prastuti Chakravorty Awarded 2 nd and 3rd Position respectively MAKAUT in B.Tech Examination, 2018 and received silver and Bronze Medal in MAKAUT convocation.

3		<p>Riya Dasgupta (Guided by Dr. Kakali Bandyopadhyay) received Best Paper Award in EDCT 2018</p>
4		<p>Rupsa Roychowdhury Received award in KRITII for scoring-9.06</p>

b. Faculty's achievements

Sl no.	Name of Faculty	Date	Award
1	Dr. Chaitali Chakraborty	5h August, 2017	Awarded 2 nd Prize in the Poster Presentation on National Seminar organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia
2	Dr. Kakali Bandyopadhyay	5h August, 2017	Awarded 2 nd Prize in the Poster Presentation on National Seminar organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia
3	Dr. Kakali Bandyopadhyay	5 th Sep, 2017	Awarded by MAK AUT as Teacher of the year 2017
4	Dr. Kakali Bandyopadhyay	--	External Advisor of PSC Selection committee.
5.	Dr. Kakali Bandyopadhyay		Selected for The Final Round of Evaluation for SMART TEACHER AWARD
6.	Mr. Anupam Ghosh		Received award for Mentorship in KRITI, 2018
7.	Ms. Shairee Ganguly		Received award for Mentorship in KRITI, 2018
8.	Dr. Anju Paul		Received award for Mentorship in KRITI, 2018

Pictures



Details

Dr. Kakali Bandyopadhyay
Awarded by MAKAUT as Teacher of the year 2017

Dr. Anju Paul
Received award for Mentorship in KRITI, 2018

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	Department of food Technology	Industry Visit at Bengal Beverage Pvt. Ltd	12/09/2017
2		Kalyan Confectionary Pvt. Ltd.	12/02/2018 & 13/02/2018
3		Parle Biscuit Industry, Dhulagarh	03/04/2018
4		Coreline Exports Pvt. Ltd.	11/05/2018

Pictures



Details

Industry Visit
Industry Visit at Bengal Beverage Pvt. Ltd on 12/09/2017

Industry Visit
Industry Visit at Kalyan Confectionary Pvt. Ltd. on 12/02/2018 & 13/02/2018

Industry-Mentor Meet:

Sl. No.	Name of Dept	Name of the Industry-Mentor With Designation	Date of Visit
1	Department of Food Technology	Mr. S K Jana General Manager, Bengal Beverages Pvt. Ltd	11/11/2017
2		Mr. H R Rizvi, Dairy Engg. EO-Superintendent (Plant) & Mr. V.R.Kumar Marketing Head Payodhi Food Pvt. Ltd.	10/01/2018

Pictures	Details
 	<p>Industry-Mentor- Mr. S K Jana Designation- General Manager, Bengal Beverages Pvt. Ltd Date- 11/11/2017</p>
 	<p>Industry-Mentor- Mr. H R Rizvi, & Mr. V.R. Kumar Designation- Dairy Engg. EO-Superintendent (Plant) Date- 10/01/2018 Industry-Mentor- Mr. V.R. Kumar Designation- Marketing Head Payodhi Food Pvt. Ltd. Date- 10/01/2018</p>

BOS Meeting:

Name of Program	Date of meeting	Departmental / Institutional	Name of the Department
Departmental BOS Meeting	22/11/2017	Departmental	FT
Centralized BOS meeting	27/02/2018	Departmental	FT

Sl No
1

Pictures



Details

Departmental BOS Meeting of Department of Food Technology on 22/11/2017.

2



Departmental Centralized BOS meeting of Department of Food Technology on 27/02/2018.

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

Sl no	Academic Year	Engineering Events	Venue	Date	Speaker	Topic/ Event
1	2017 - 2018	TSD	GNIT	23 rd August, 2017	Dr. Deborshi De, (Industry Adjunct Professor) , Founder & Director, Vedaantic Organic Research Foundation, Kolkata and Director Smart Management Consultancy	Importance of Labels on Packaged Food
2		TSD	GNIT	6 th September, 2017	Dr. Deborshi De, (Industry Adjunct Professor) , Founder & Director, Vedaantic Organic Research Foundation, Kolkata and Director Smart Management Consultancy	Food Safety and Security
3		Workshop	GNIT	01.09.2017	Prof. M.K. Sanyal Professor, Dept. of Dairy Technology, F/O Dairy Technology, WBUAFS, Mohanpur,	Emerging non thermal technology for food processing
4		Seminar	GNIT	14.9.17	Dr. Deborshi De, (Industry Adjunct Professor), Founder & Director, Vedaantic Organic Research Foundation, Kolkata and Director Smart Management Consultancy	Co-relation between sustainable agriculture & food processing.
5		Workshop	GNIT	02.02.18	Dr. Chaitali Chakraborty Associate Professor, Dept. of Dairy Microbiology, F/O Dairy Technology, WBUAFS, Mohanpur,	Food Processing & Preservation
6		Invited talk	GNIT	28/03/2018	Mr. Amit Kumar Barman Assistant Professor, Dept. of Dairy Microbiology, F/O Dairy Technology, WBUAFS, Mohanpur,	Improving the quality and safety of milk
7		Workshop	GNIT	11.04.2018	Dr. Deborshi De, (Industry Adjunct Professor) , Founder & Director, Vedaantic Organic Research Foundation, Kolkata and Director Smart Management Consultancy	Food of Future

Sl No	Pictures	Details
1		<p align="center">TSD</p> <p>Speaker- Dr. Deborshi De, Designation- (Industry Adjunct Professor), Founder & Director, Vedaantic Organic Research Foundation, Kolkata and Director Smart Management Consultancy Date- 23rd August, 2017</p>
2		<p align="center">TSD</p> <p>Speaker- Dr. Deborshi De, Designation- (Industry Adjunct Professor), Founder & Director, Vedaantic Organic Research Foundation, Kolkata and Director Smart Management Consultancy Date-</p>
3		<p align="center">Workshop</p> <p>Speaker- Prof. M.K. Sanyal Designation- Professor, Dept. of Dairy Technology, F/O Dairy Technology, WBUAFS, Mohanpur, Date- 01.09.2017</p>



Seminar

Speaker- Dr. Deborshi De,
Designation- (Industry Adjunct Professor),
Founder & Director, Vedaantic Organic Research Foundation, Kolkata and
Director Smart Management Consultancy
Date- 14.09.17

Workshop

Speaker- Dr. Chaitali Chakraborty
Designation- Associate Professor,
Dept. of Dairy Microbiology,
F/O Dairy Technology, WBUAFS,
Mohanpur,
Date- 02.02.18



Invited talk

Speaker- Mr. Amit Kumar Barman
Designation- Assistant Professor, Dept. of Dairy Microbiology, F/O Dairy Technology, WBUAFS, Mohanpur,
Date- 28/03/2018

Workshop

Speaker- Dr. Deborshi De,
Designation- (Industry Adjunct Professor),
Founder & Director, Vedaantic Organic Research Foundation, Kolkata and
Director Smart Management Consultancy
Date- 11/04/2018

Department of Food Technology organized on "Food Industry Trends"

Faculty Development Program On FOOD INDUSTRY TRENDS

26th-30th Dec, 2017

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

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 on "Food Safety and Technology"

Faculty Development Program On FOOD SAFETY AND TECHNOLOGY

18th-22th Jun, 2018

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

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Mr. Shubhobrata Saha, JTA, 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

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


i. faculty & staff

Sl. No	Name, Designation & Department	Seminar/ Workshop/ Conference	Date	Sponsored by
1	Dr. Kakali Bandyopadhyay (HOD, FT) Dr. Anju Paul Dr. Chaitali Chakraborty Mr. Amit Barman	workshop on 'Digital Agriculture' in line with Prime Minister's Digital India initiative,	22nd July, 2017	Pan IIT at Rotary Sadan, Kolkata.
2	Dr. Anju Paul	Workshop on NBA –A Tool for continuous improvement	On 23/10/2017	GNIT
3	Mrs. Shairee Ganguly	Workshop on NBA –A Tool for continuous improvement	On 23/10/2017	GNIT
4	Mr. Anupam Ghosh	Workshop on NBA –A Tool for continuous improvement	On 23/10/2017	GNIT
5	Mr. Amit Barman	Workshop on NBA –A Tool for continuous improvement	On 23/10/2017	GNIT
6	Miss. Monika Paul	Workshop on NBA –A Tool for continuous improvement	On 23/10/2017	GNIT
7	Mr. Shubhobrata Saha	Workshop on NBA –A Tool for continuous improvement	On 23/10/2017	GNIT
8	Dr. Kakali Bandyopadhyay (HOD, FT) Mr. Amit Barman JTA, FT	International Seminar on food safety	On 13/11/2017	Thermo Fisher Scientific
9	Dr. Kakali Bandyopadhyay (Speaker) Mr. Arka Roy Chowdhury Mr. Anupam Ghosh Ms. Shairee Ganguly	National Seminar	On 08.06.2018	OTAI (EZ)
10	Dr. Kakali Bandyopadhyay Mr. Arka Roy Chowdhury Mr. Anupam Ghosh	International Seminar	On 08.06.2018	PerkinElmer
11	Dr. Anju Paul(Asst. Prof., FT) & Ms. Shairee Ganguly(Asst. Prof., FT)	FDP	18.06.2018 - 22.06.2018	CEGR

Sl No	Pictures	Details
1		<p>workshop on 'Digital Agriculture' in line with Prime Minister's Digital India initiative, Date- 22nd July, 2017</p>
2		<p>International Seminar on food safety organizes by Thermo Fisher Scientific Date- 13/11/2017</p>
3		<p>National Seminar organized by OTAI (EZ) Date- 08.06.2018</p>
4		<p>International Seminar organized by PerkinElmer Date- 08.06.2018</p>

Seminar/Workshop/Invited Talk (Participated):
ii. students

Sl. No	Name	Seminar/ Workshop/ Conference	Date	Organized by
1	Pritika Prasad, Soumyadeb Bhattacharyya,	National Seminar on "Clinical Research in Recent Pharmaceutical Sciences"	22/11/2017	Organized by Clinical Research Centre, Jadavpur University, in collaboration with Indian Pharmacy Graduates' Association (bengal branch).
	Prankur Thakur , Reema Ghosh, Prithweejit Bhattacharyya,			
	Akash Kusum Maity, Khushi Maheswari, Amit Saha, Debadri Bhowmick,			
	Srijanee Biswas & Suparna Mukherjee			
2	Riya Dasgupta & Rupsa Roychowdhury	National Seminar on "A Dairy Snapshot-2017"	05/08/2018	Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia,
3	Riya Dasgupta	EDCT 2018,(International Conference)	8 th March- 9 th March, 2018	Organized by Gurunanak Institute of Technology.
4	Nilanjana Dey & Ankita Dutta Srijanee Biswas & Suparna Mukherjee	9 th Inter University Engineering, Science & Technology Academic Meet 2018 & Innovative Model Competition For a Sustainable Society (National Conference)	25 th March, 2018	Organized by FOSET
	Neha Jaiswal & Anik Bairagi			
	Suravi Chakraborty & Chandralekha Bhowmick			
5	Riya Dasgupta, Nilanjana Dey	Sukshit Khadya Abhiyan All India Quiz competition	Sep, 2017	CII
6	Students of FT (2 nd , 3 rd , 4 th)	Prakriti 2018, (Workshop)	16.03.2018 to 18.03.2018	IIT, KGP

Pictures	Details
	<p>National Seminar on "Clinical Research in Recent Pharmaceutical Sciences" Organized by Clinical Research Centre, Jadavpur University, in collaboration with Indian Pharmacy Graduates' Association (bengal branch). Date- 22/11/2017</p>

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

Sl. No	Name	Date	Sponsored by
1	Student of FT (2 nd , 3 rd , 4 th)	11 th Nov, 2017	GNIT
2	Student of FT (2 nd , 3 rd , 4 th)	21 st April, 2018	GNIT

Pictures	Details
	<p>Parent- Teacher Meet Date- 11th Nov, 2017</p>
	<p>Parent- Teacher Meet Date-21st April, 2018</p>

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)	Publication of Departmental Wall Magazine	11.04.2018	GNIT
2	Student of FT (2 nd , 3 rd , 4 th)	Publication of Departmental Wall Magazine	5 th Sep, 2017	GNIT
3	Student of FT (2 nd , 3 rd , 4 th)	Poster Presentation	10 th oct, 2017	GNIT
4	Student of FT (2 nd , 3 rd , 4 th)	Debate Competition	5 th Sept, 2017	GNIT
5	Student of FT (2 nd , 3 rd , 4 th)	Poster Presentation in TESSERACT 2018	08.02.2018 & 09.02.2018	GNIT
6	Student of FT (2 nd , 3 rd , 4 th)	Poster Presentation	24.04.2018	GNIT

Pictures	Details
	<p>Publication of Departmental Wall Magazine Date- 11.04.2018</p>
	<p>Publication of Departmental Wall Magazine Date- 5th Sep, 2017</p>
	<p>Poster Presentation Date- 10th oct, 2017</p>
	<p>Debate Competition Date- 5th Sep, 2017</p>
	<p>Poster Presentation in TESSERACT 2018 Date- 08.02.2018 & 09.02.2018</p>

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

Sl no	Department	Issue	Editor	Publisher	Status
1	Department of Food	2017-2018 Issue I	Ms. Shairee Ganguly	Ms. Monika Paul	Published
2	Technology	2017-2018 Issue II	Mr. Anupam Ghosh & Ms. Monika Paul	Ms. Suprabha Dey	

SlNo	Pictures	Details
1		Publication of News Letter 2017-2018 Issue I & 2017-2018 Issue II

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

Sl no	Department	Year	Editor	Publisher	Status
1	Department of Food Technology	2017-2018	Rupsa Roychowdhury	Arka Roy Chowdhury	Published

Others:

Sl no	Name of the Activity	Date	Participants	Organized by
1	External Examiner of M.Sc. 4 th Semester Practical Examination in The subject, 'Food Processing & Preservation'	03.01.2018 & 04.01.2018	Dr. Anju Paul	Department of Home Science, Calcutta University
2	External Examiner of Practical Examination of B. Tech in Biotechnology and Paper Evaluator of two different subjects	04.01.2018 & 05.01.2018	Dr. Kakali Bandyopadhyay	Department of Biotechnology, WBUAFS
3	Television Talk Show "Ki Hote Chai" on Food Technology	19.01.2018	Dr. Kakali Bandyopadhyay	DD Bangla and JIS group
4	Member of Academic Audit Team of JIS Group	03.05.18. to 15.05.2018	Dr. Kakali Bandyopadhyay	JIS Group
5	Invited Speaker of Talk Show on "Beti Bachao Beti Padoo" : An Awareness Programme of Govt. of India	24.05.2018	Dr. Kakali Bandyopadhyay	DD Bangla
6	Paper Setter of two subjects of WBUAFS	-----	Dr. Kakali Bandyopadhyay	WBUAFS
7	Act as an External Examiner For conducting Viva Voce for 4 th sem in course of Chemical Technology approved by controller of examination, University of Calcutta	15.06.2018	Dr. Kakali Bandyopadhyay	University of Calcutta
8	Paper Moderator of one subject of JIS University	07.06.2018	Ms. Shairee Ganguly	JIS Group

Sl No	Pictures	Details
1		Television Talk Show "Ki Hote Chai" on Food Technology by Dr. Kakali Bandyopadhyay on DD Bangla Date- 19.01.2018
2		Invited Speaker- Dr. Kakali Bandyopadhyay Talk Show on "Beti Bachao Beti Padoo" : An Awareness Programme of Govt. of India on DD Bangla. Date- 24.05.2018

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	FT	Vedaant Agro Biotech Limited (VABL)	Industry	3/8/2017	Collaborations in Academic Developments, Industry Projects and student internships, R&D, Entrepreneurship Development
2	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

Pictures	Details
	MOU Signed with Vedaant Agro Biotech Limited (VABL) & Smart Management Consultancy. Date- 3/8/2017

Publication

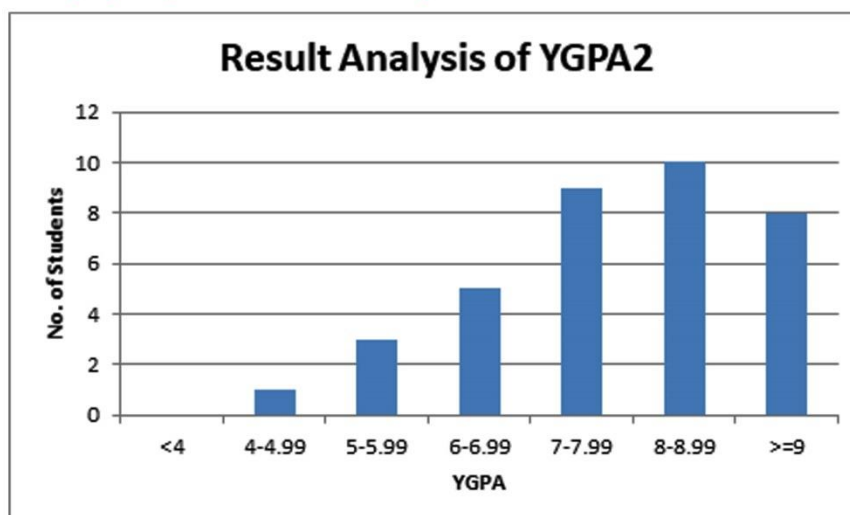
a. Faculty and staff

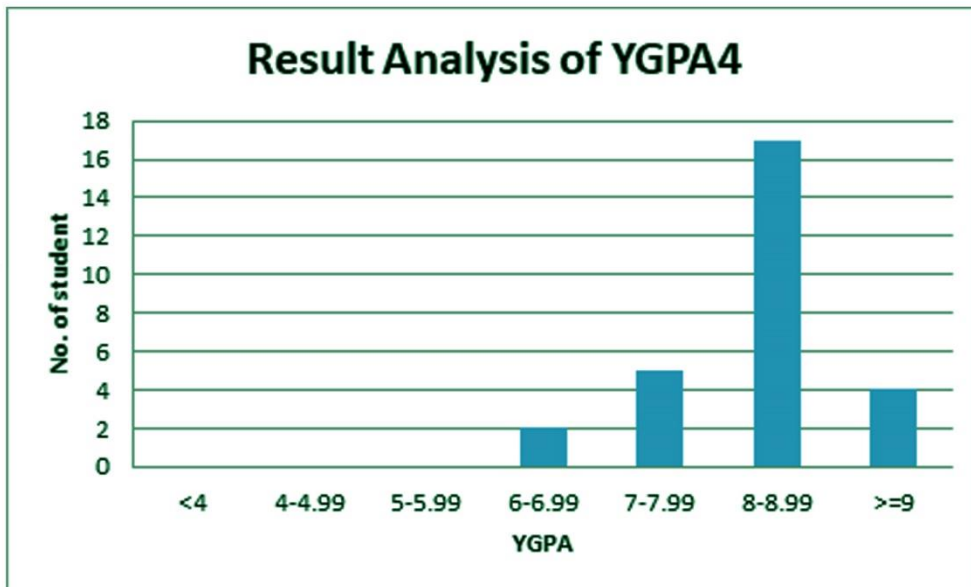
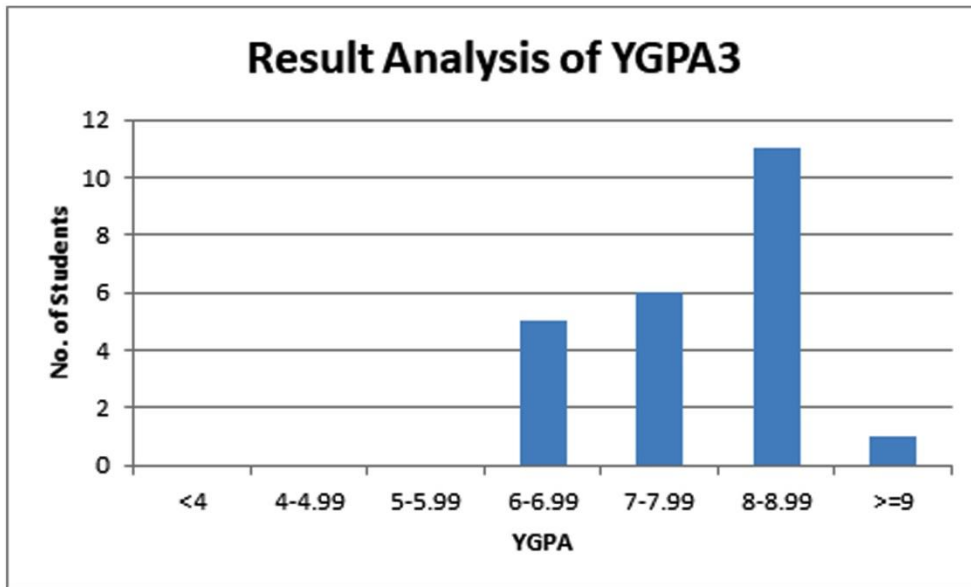
Journal: 16
 Conference/Seminar: 16

b. Student:

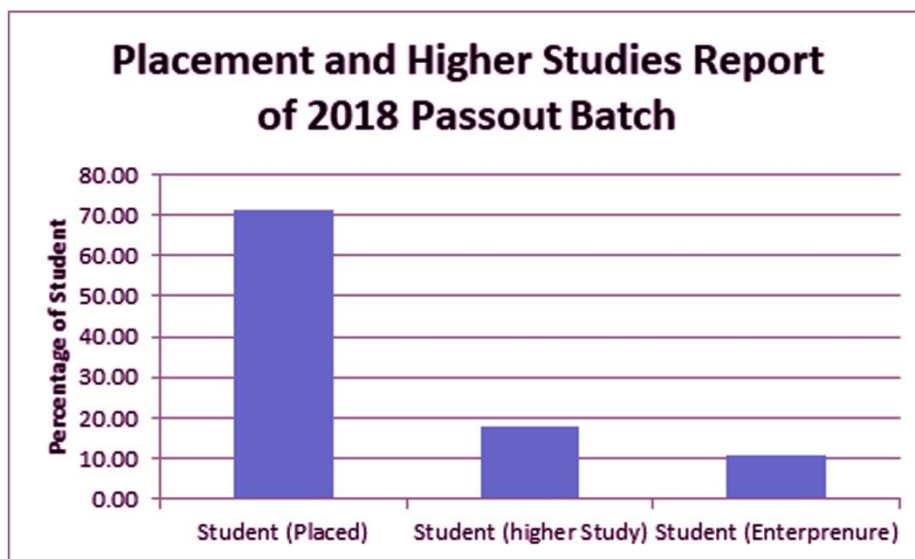
Journal: 9
 Conference/Seminar: 15

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





Placement and higher studies (Bar chart):



Annual Report

2017-18

GNIT

GURU
NANAK
INSTITUTE of
TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATIONS

GNIT ANNUAL REPORT 2017-18

Department of Applied Electronics and Instrumentation Engineering

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, WBTCCL. 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:

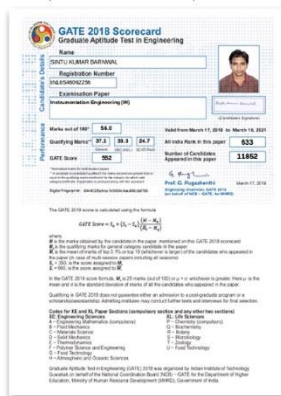
a. Student's achievements:

1. Arpan Kr Lahiri (EIE, 3rd year): got third prize in the TECH TALENT HUNT 2K17 (A PROJECT COMPETITION) organized by department of Electrical Engineering , NIT, on 18th August 2017. Made a project on "GESTURE CONTROLLED WHEEL- CHAIR".



2. RANK IN GATE 2018:

a) Sintu Kr. Burnwal (2017 batch): All India rank 633 and Gate Score 552 in Instrumentation.



b) Shovan Kar: all India rank 1134

3. The students of 2nd year AEIE, GNIT, received second in the 3rd Inter College Competition on Prototype Design for Mankind organized by Department of AEIE, Heritage Institute of Technology, Kolkata on 12th April 2018. The AEIE, GNIT team of ASIF NADEEM, SUDIPTA DEY, ROHAN DUTTA, DEBDIPTA BHUNIA built the hardware model " Agri Robo" under the guidance of Mrs. Bapita Roy, HOD,AEIE, GNIT



4. The students of 2nd year AEIE, GNIT Chanakya Fadikar, Indranil Acharya, won the 1st prize in poster presentation on the topic, "Design and Fabrication of Ultrasonic Pest Repellent", in the 1st International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT-2018), under the guidance of Sanghamitra Layek, Santana Das organized by Guru Nanak Institute of Technology during 8-9th March,2018.



b. Faculty's achievements:

In Jan-June 2018:

Dr. Paramita Banerjee:

- i. Received Ph.D degree.
- ii. Best paper award: EDCT 2018
- iii. Award for "Women Empowerment": EDCT 2018
- iv. Filed a patent on the design of a low latency wavelength division multiplexing waveguide
- v. Selected for "Smart Teacher" program: Group level



2. Bapita Roy:

- i. Filed a patent on the design of a low latency wavelength division multiplexing waveguide
- ii. Guided the students of 3rd year students, who received second prize in the 3rd Inter College Competition on Prototype Design for Mankind organized by Department of AEIE, Heritage Institute of Technology, Kolkata on 12th April 2018.

3. Dr. Adhish Kr. Chakrabarty :

- i. Filed a patent on the design of distillation column
- ii. A paper titled "Robust Model Reference Adaptive Control of Linear Multivariable Plants-a New Approach", by Adhish Kr. Chakrabarty and Prof. Samar Bhattacharya of Jadavpur University, is being used for a project by Zhang Tonghui, who works in the area of System Control & Mechatronics at Chalmers Tekniska Hogskola, Gothenburg, Sweden.

4. Sudip Kuila:

Head Examiner of the B.Tech Odd Semester Examination of MAKAUT 2018, for the paper: EI 301, EI 502, EI 703

5. Jayita Datta:

Head Examiner of the B.Tech Odd Semester Examination of MAKAUT 2018, for the paper: EC502 and CS502 (Microprocessors and Microcontrollers)

6. Sanghamitra Layek and Santana Das:

Guided the students of 2nd year AEIE, GNIT who won the 1st prize in poster presentation on the topic, "Design and Fabrication of Ultrasonic Pest Repellent", in the 1st International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT-2018)



7. Kriiti Awards in distinguished mentor:

- Dr. Adhish Chakrabarty
- Mrs Suparna Maity
- Mrs. Jayita Datta
- Mr. Sudip Kuila



b. In July-Dec 2017

1. Bapita Roy:

Selected as an editorial board member of AR Research Publication and Conference World on 29th July 2017 UGC Approved Journals:

- i. International Journal of Electrical and Electronics Engineers (UGC Report) www.ijeee.co.in
- ii. International Journal of Science, Technology and Management (UGC Report) www.ijstm.com
- iii. International Journal of Advance Research in Science and Engineering (UGC Report) www.ijarse.com
- iv. International Journal of Advanced Technology in Engineering and Science (UGC Report) www.ijates.com

2. Jayita Datta:

Head Examiner of the B.Tech Examination of MAKAUT, even semester, 2017 for the paper: EI-402 (Microprocessor and Computer Architecture)

3. Sudip Kuila:

Head Examiner of the B.Tech Exam of MAKAUT, even semester 2017 for the paper: Biomedical Instrumentation, Industrial Instrumentation.

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 by department:

JAN-JUNE 2018

i)Industry Institute Interaction Activity in Jan June 2018:

Applied Electronics and Instrumentation Engineering department (AEIE) of GNIT signed MOU with renowned MSME TOOL ROOM Kolkata, formerly known as Central Tool Room and Training Center (CTTC) under Ministry of MSME – Government of India on 8th January 2018 in presence of Mr. Debdutta Guha, General Manager, MSME Tool Room Kolkata .



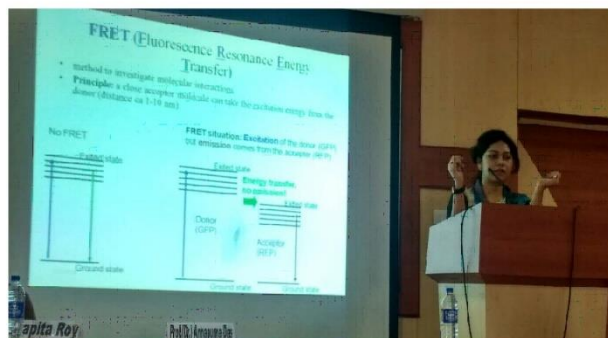
(ii) Industry visit in Jan June 2018:

An Industry visit was held at Academy of Industrial Automation & Technology, Kolkata on 11th January 2018.

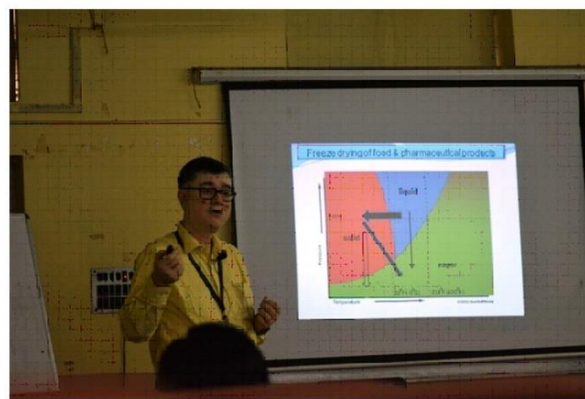


iii) Seminar/workshop organized by Department in Jan -June 2018 :

(a) IE Student Chapter, Department of Applied Electronics and Instrumentation, GNIT organized Seminar on “Application of Instrumentation in Biomedical and Agricultural field” on 1st February 2018. Eminent speakers from Jadavpur University, Dr. Rajib Bandyopadhyay, Professor, J.U. and Dr. Ananya Barui Asst. Prof., IEST have delivered lecture on “Biomedical Image Processing” and “Electronic Nose - Its Application in Agricultural Field” respectively.



(b) Applied Electronics and Instrumentation Engineering (AEIE), Guru Nanak Institute of Technology was organized One Week National Workshop on “Vacuum Technology and Its Industrial Application” during 22nd - 28th February, 2018 in collaboration with Indian Vacuum Society (Zonal Chapter Calcutta). Technical and experimental support will be available to the participants at the Vacuum Laboratory of the Variable Energy Cyclotron Centre, Kolkata. All academicians, students (EIE/EE/ECE/ allied branches) both UG and PG, researcher & industry persons were cordially invited to participate in this workshop. A group of Scientists from VECC (Kolkata) conducted the various technical sessions & a full day practical session conducted at VECC.



(iv) Model Competition in Jan-June, 2018:

A Model competition was held by Students of 2nd and 3rd year of AEIE Department on 22th February, 2018. Students made different models on Vacuum technology applying their own idea at the departmental laboratory and demonstrated those models in presence of the scientists of the IVS.



(v) Industry Mentor meet in Jan-June, 2018

Prof. Diptarup Bandopadhyay, Maintenance Head, Maaden Phosphate Company, Saudi Arabia, the Industry Mentor for students of the Department of AEIE, conducted an interactive sessions for the 2nd, 3rd and 4th year students of B.Tech EIE on 20th February 2018.



(vi) Departmental Board of Studies meeting in Jan-June, 2018:

Departmental Board of Studies meeting of Applied Electronics & Instrumentation Engineering department was held at the conference hall of GNIT on 14th March, 2018 in presence of experts of BOS committee, all the faculty member & staff member of the department.



(vii) School outreach program in Jan-June, 2018

The department of Applied Electronics and Instrumentation Engineering organized a school outreach program at Bhogpur K.M.High school (H.S.), on 12th April, 2018. It was a Career counseling program followed by a self evaluator test for right career path “ RIASEC” and Science quiz.



(viii) Mock Test and Career Counseling Program:

The department of Applied Electronics & Instrumentation Engineering organized a ‘Mock Test and Career Counseling’ Program for the students of 10+2 standard on 17th April, 2018.



(ix) Mock interview in Jan-June, 2018:

Department of AEIE organized a MOCK INTERVIEW before any campus interview for all the students of 4th year, 2018 pass out batch.



(x)Project Seminar in Jan-June, 2018:

The final year students gave the presentation on their Project work showing the status of project on 7th April 2018.

(xi) Students' Seminar in Jan-June, 2018:

Some topics beyond syllabus were assigned for each students or each group of students of Students of 2nd and 3rd year. They presented that in front of the whole class, which built up their confidence, improve their presentation skill and enhance their self study.

Seminars were held on 13.02.2018, 07.03.2018 and 09.04.2018.

(xii)Departmental Picnic in Jan-June, 2018:

The departmental picnic was held on 11th February 2018 by all students and the faculty members of the Department of AEIE.



JULY-DECEMBER,2017

i)Seminer/workshop organized by Department in July Dec 2017 :

(a)Department of Electronics and Instrumentation Engineering, GNIT organized a seminar on "Automation Revolution" on 19th August 2017, in association with "Prolific Systems and Technologies Pvt. Ltd".

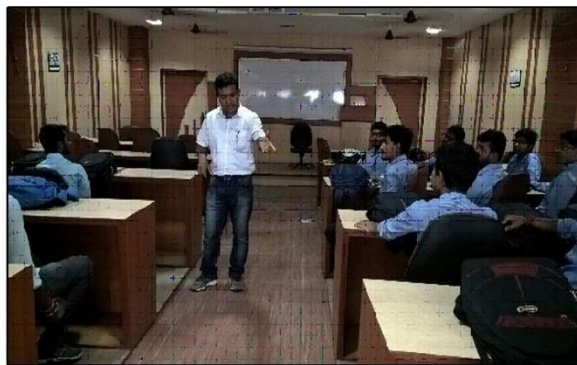


(b)Department of Applied Electronics & Instrumentation Engineering of Guru Nanak Institute of Technology organized a Workshop on “Electronic Circuit Design-2017” from 26th October to 1st November,2017 at the Sensors & Transducers laboratory of AEIE Department, Guru Nanak Institute of Technology.



(ii)Adjunct Faculty meet in July Dec 2017

Mr. Indrayudh Kumar Mandal, Deputy Manager,Bharat Heavy Electricals Ltd and Adjunct Faculty of Department of EIE conducted the technical session on Industrial Instrumentation on 21st August 2017 and interacted with the students of 3rd and 4th year of AEIE.



(iii)Industry Institute Interaction Activity in July-Dec,2017:

Applied Electronics and Instrumentation Engineering department of GNIT signed MOU with Prolific Systems and Technologies Pvt. Ltd. on 24th August 2017, as per the policy of the institute to collaborate with industry to enhance knowledge.



iv) Industry visit in July -Dec 2017:

An Industry visit was held at SETT & DE (a company of Measuring Instruments manufacturing and calibration), on 8th September 2017 by the students of 2nd and 3rd year.



v) Industry Mentor meet in July -Dec 2017

Prof. Diptarup Bandopadhyay (Maintenance Head, Maaden Phosphate Company, Saudi Arabia from last 5 years) the Industry Mentor for students of the Department of EIE, Guru Nanak Institute of Technology, conducted an interactive sessions for the 2nd, 3rd and 4th year students of B.Tech AEIE on 12th September 2017.



(vi)Inauguration of Wall magazine (Fetiales Aevum) July -Dec 2017:

AEIE Department inaugurated Fetiales Aevum- Departmental wall magazine on 13th September 2017.



(vii)Departmental Board of Studies meeting in July -Dec,2017:

Departmental Board of Studies meeting of Applied Electronics & Instrumentation Engineering department was held at the conference hall of GNIT on 14th November, 2017,in presence of experts of BOS committee, all the faculty member & staff member of the department.

(viii) Departmental newsletter in July –Dec, 2017:

Department of AEIE published the first edition departmental newsletter on 29th November 2017. This newsletter contains the activities and achievements of the department.



(ix) Debate Competition in July –Dec, 2017:

Department of Applied Electronics & Instrumentation Engineering organized a ' Debate Competition ' for the 2nd year, 3rd year & 4th year students of GNIT, on 25th October, 2017.



(x) Parent _mentor meet in July –Dec, 2017:

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



(XI) 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.



Department of Applied Electronics & Instrumentation Engineering Organized FDP on “Recent Research Trend in Control Instrumentation & Allied Engineering: A Multidisciplinary Approach”

Faculty Development Program On

Recent Research Trends in Control,
Instrumentation & Allied
Engineering: A Multidisciplinary
Approach

5th -10th January, 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, Asst Prof., AEIE, 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 “Basic Electrical, Electronics Measurement and Instrumentation Engineering”

Faculty Development Program On

BASIC ELECTRICAL, ELECTRONICS,
MEASUREMENT AND
INSTRUMENTATION ENGINEERING

21st -25th June, 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



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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. Sanghamitra Layek, Asst. Prof., AEIE,

GNIT

Ph: 9748134684

Email: head_aeie.gnit@jisgroup.org

b. Seminer/workshop Participated by

i) faculty & staff:

(Jan –June,2018)

1. Mr. Sudip Kuila, Asst. Prof., AEIE attended

(a) 3rd Inter College Competition on Prototype Design for Mankind (3rd ICCPDM) on 12th April 2018 at Heritage Institute of Technology.

(b) International Conference on "Impact of Digital Co-Creation in Business Revolution" at Biswa Bangla Convention Centre, Newtown, Kolkata on 21st February, 2018 at JIS college of Engineering, JIS Group

2. Mrs. Santana Das, Assistant Professor, AEIE attended Seminar on IPR, PATENT, COPYRIGHT AND GI on 12.01.18 at GNIT.

3. Mrs. Sanghamitra Layek, Assistant Professor, AEIE attended Seminar on IPR, PATENT, COPYRIGHT AND GI on 12.01.18 at GNIT

4. Mrs. Jayita Datta, Assistant Professor, AEIE attended Seminar on IPR, PATENT, COPYRIGHT AND GI on 12.01.18 at GNIT.

(July –Dec,2017)

1. Mrs. Paramita Banerjee, Assistant Professor, AEIE attended Workshop on AQIS schemes & Master trainer in the revamped AICTE website and web portal on 22.11.2017 at Heritage Institute of Technology.

2. Mr. Adhish Kr. Chakrabarty, Asst. Prof, Registrar (acting) attended Conference on "Roadmap to Autonomous Higher Education Institutions" on 05.10.2017 at AICTE, FICCI and C.V. Raman College of Engineering (Bhubaneswar).

3. Mrs. Saswati Chatterjee, JTA, AEIE attended Conference on "Workshop on NBA- A Tool for Continuous Improvement" on 23.10.17 at GNIT.

5. Mr. Sudip Kuila, Assistant Professor, AEIE attended Workshop on "A hands-on Training Programme On PLC" on 25th August, 2017 at Ministry of Electronics And Information Technology, Gov of India.

6. Mrs. Jayita Datta, Asst. Prof., Assistant Professor, AEIE attended Seminar on "Flip Learning" on 21st August, 2017 at JISCE.

7. Mrs. Santana Das, Assistant Professor, AEIE attended Workshop on "A hands-on Training Programme On PLC" on 3rd July, 2017 at Dr. Sudhir Chandra Sur Degree Engineering College.

8. Mrs. Suparna Maity, Assistant Professor, AEIE attended Workshop on "A hands-on Training Programme On PLC" on 3rd July, 2017 at Dr. Sudhir Chandra Sur Degree Engineering College

ii) by student:

(Jan –June,2018)

(1) 2nd, 3rd and 4th year student of Department of Applied Electronics and Instrumentation, GNIT attended Seminar on "Application of Instrumentation in Biomedical and Agricultural field" on 1st February 2018.

(2) 2nd, 3rd and 4th year student of Department of Applied Electronics and Instrumentation, GNIT attended One Week National Workshop on "Vacuum Technology and Its Industrial Application" during 22nd - 28th February, 2018 in collaboration with Indian Vacuum Society (Zonal Chapter Calcutta).

(July –Dec,2017)

(1) 3rd and 4th year student of Department of Applied Electronics and Instrumentation, GNIT attended a seminar on "Automation Revolution" on 19th August 2017, in association with "Prolific Systems and Technologies Pvt. Ltd".

(2) 2nd and 3rd year student of Department of Applied Electronics and Instrumentation, GNIT attended a Workshop on "Electronic Circuit Design-2017" from 26th November to 1st October, 2017 at the Sensors & Transducers laboratory of AEIE Department, GNIT.

Publication:

a. Faculty and staff:
International Journal : 1
International Conference : 6

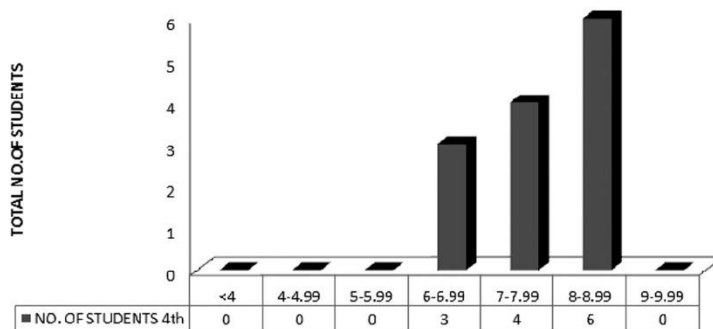
b. Student:
International Conference : 6

Result :

YGPA4:

STREAM	YEAR	<4	4-4.99	5-5.99	6-6.99	7-7.99	8-8.99	9-9.99
AEIE 4 th Year	4 th	0	0	0	3	4	6	0

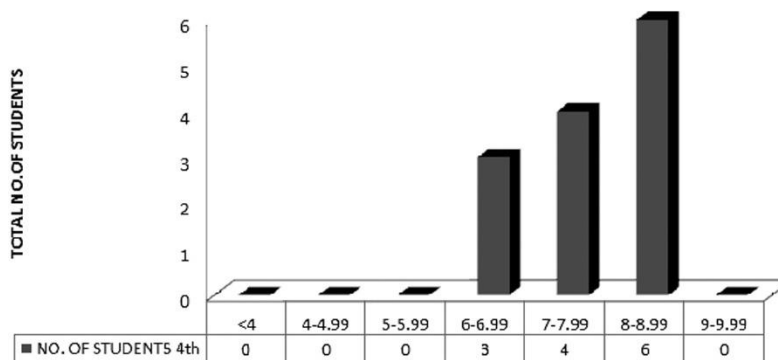
YGPA-WISE RESULT ANALYSIS (YGPA4)



YGPA3:

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

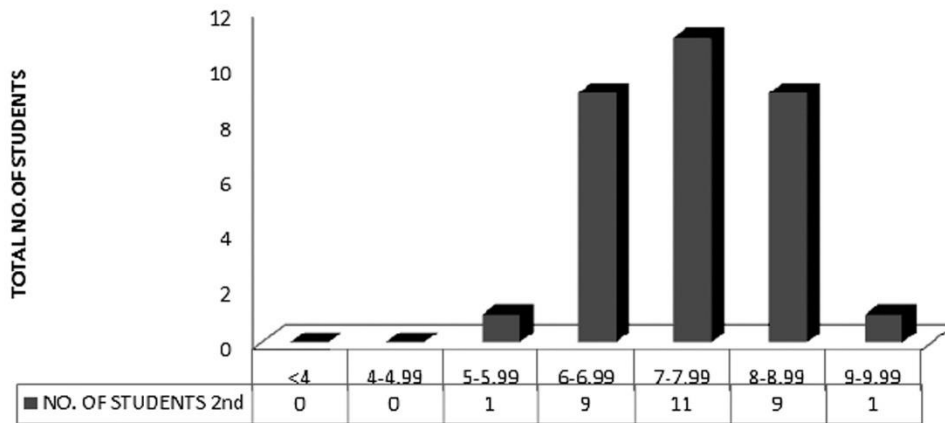
YGPA-WISE RESULT ANALYSIS (YGPA4)



YGPA2:

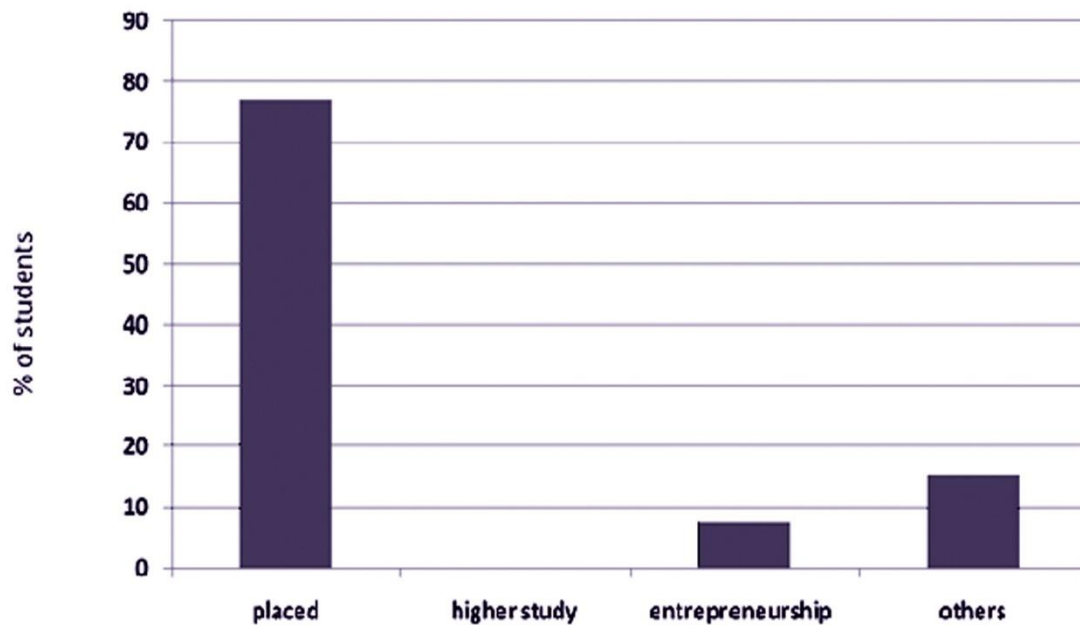
STREAM	YEAR	<4	4-4.99	5-5.99	6-6.99	7-7.99	8-8.99	9-9.99
AEIE 2nd Year	2nd	0	0	1	9	11	9	1

YGPA-WISE RESULT ANALYSIS (YGPA2)



Placement and higher studies :

Placement of AEIE Department, 2017-2018



Annual Report

2017-18



GURU
NANAK
INSTITUTE of
TECHNOLOGY

DEPARTMENT OF HOSPITAL MANAGEMENT

Department of Hospital Management

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.**

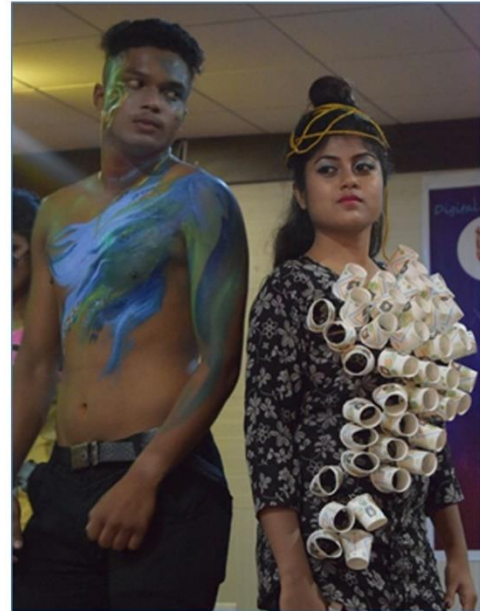




Ms. Aditi Mondal. (Got 2nd position Poster Competition (Theme - Depression & Stress Management) organized by Future School of Hospital Management)



Sourav Nag & Rahul Sarkar (Got 2nd position in photography competition in Tesseract 2018).



Dishani Das. (Got Title position "Go Green" in inter-college fashion show conducted at JIS University on 21.4.2018)

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



Ms. Debashruti Ganguly (HOD - BHM)
 Awarded with Kriti Award 2018 for outstanding Mentorship



Mr. Suvayan Biswas. (Assist. Prof - BHM)
 Awarded with Kriti Award 2018 for outstanding Mentorship & for Time Adherence.

Departmental Events

- Adjunct Faculty Classes.



- Industry Visit or Internship.



• Industry Mentor Meet

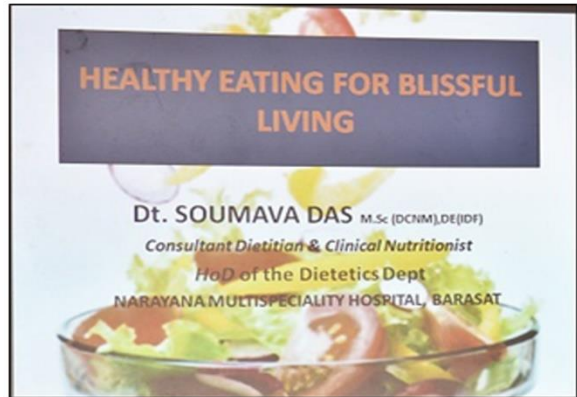


• Seminar Organized.

“Recent Trends In HR in The Health Sector” on 08.09.17.



“Healthy Food and Lifestyle Modifications” on 05.10.2018



• "Health Camp followed by free health check up" in association with Narayana Multispecialty Hospital, Barasat on 05.10.2018



- “Health Camp & free health check up” in association with Fortis Hospital, Anandapur on 06.04.2018.



- Parent Mentor - Meet. On 21.04.2018 & 29.09.2018



• Departmental Wall Magazine. On 04.10.2018



• Induction Programme (1st Year Students)
Poster and Model presentation on "Environment & Pollution"



Alumni Meet

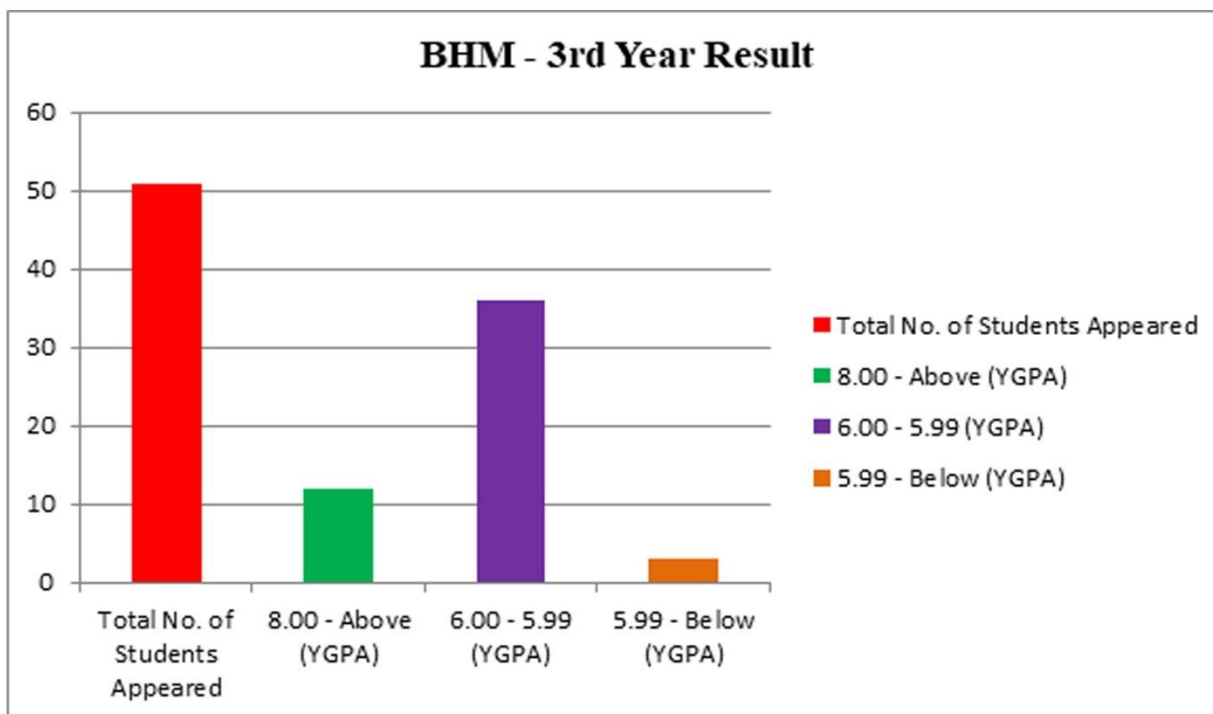


- A International Seminar on: “A Move Towards Patient – Centric Approach” organized by NSHM knowledge campus, attended by Faculty Members & Students of BHM Department.

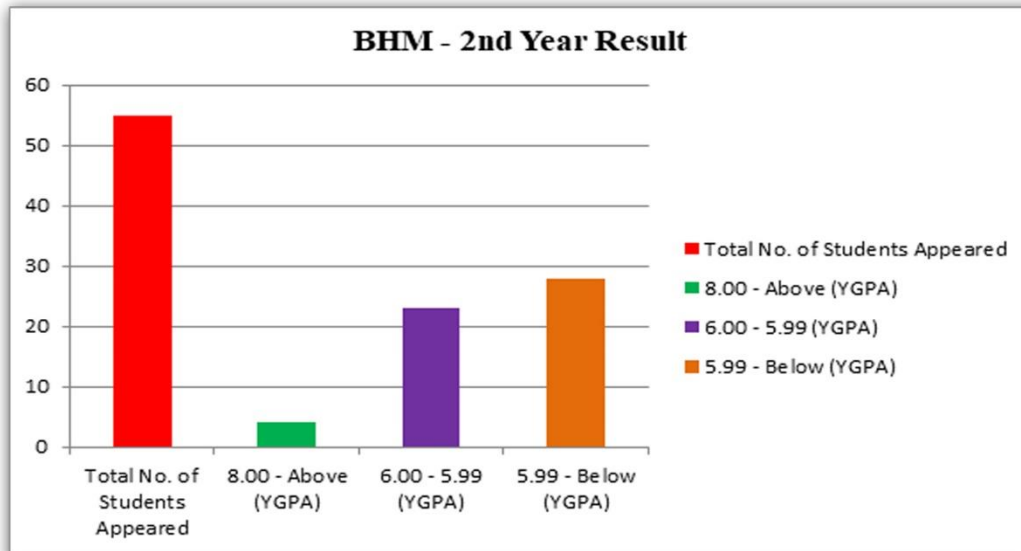


• Result 2018

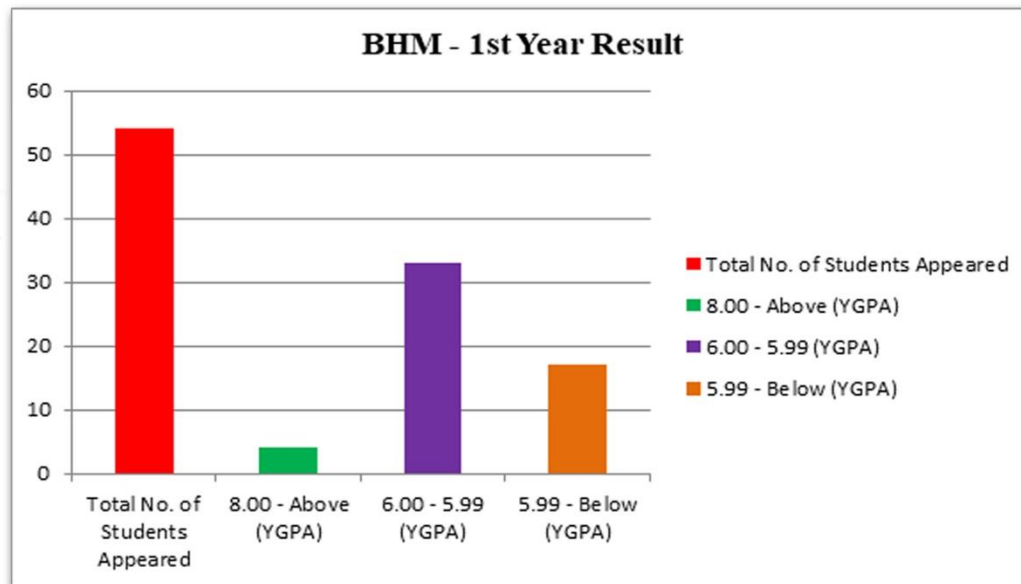
BHM Final Year (2018 Pass – out)



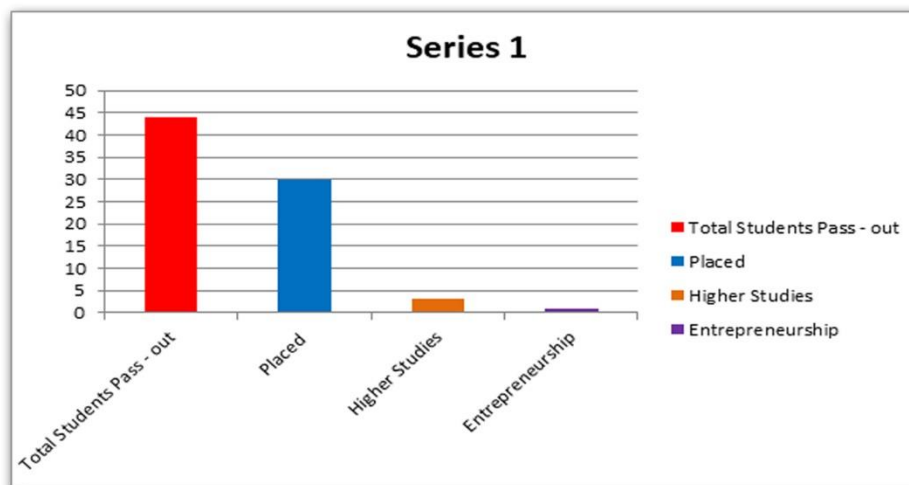
BHM 2nd Year



BHM 1st Year



• Placement Records (2018 Pass – out)



Annual Report

2017-18



GURU
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DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES

Department of Applied Science & Humanities

1. **Name of the Department:** Department of Applied Science & Humanities

2. **Mission of the department:**

Offering a complete service to the students of technology by ensuring an all round development i.e.

- o To ensure the smooth journey of a 12th passed out student towards a successful career of Engineering by bridging the gap between science and technology.
- o To create a teaching – learning environment conducive to the pursuit of Higher
- o Knowledge, relevant skills and experience
- o To train them with the basic ethical values of profession.
- o To promote awareness on ecological and environmental issues.
- o To sensitize the students on current socio-economic issues by including related topics into the co-curricular activities.
- o To give exposure to basic principles of Management and Business Economics urgently needed by the present day professionals
- o To make them aware of the proper technical languages & corporate requirements through aptitude and soft skill classes.
- o To create research environment which can lead to consultancy and extension activities and finally to make them industry ready.

3. **Vision of the department:**

To convert the students of technology into successful professionals and human resources of high caliber through intellectual, moral, and value based training along with highly motivated academic activities by the support of a group inspiring, dedicated and capable teachers and empowering infrastructures which make them eligible to contribute innovatively towards the technological up gradation of the nation and also to cater to the needs of society as committed citizens.

5. **PEO--NA**

6. **PO--NA**

7. **Brief overview of the department:**

The ASHU Department, consisting of the Sections of Physics, Chemistry, Mathematics, English, and Mechanical Engineering, is a prime service Dept, laying the foundations for the studies in engineering to be undertaken by the students in the B. Tech course, and also making them industry ready through various skill-enhancing training programmes.

8. **HOD's picture**



6. HOD's message:

It gives me great happiness and pride to introduce the Department of ASHU. The department started its journey nearly 15 years ago on the same day as GNIT began its march towards excellence in engineering education. Over the past years the department has consolidated its position in the institute and has kept pace with the growth of the institute with elan. The department has many well equipped laboratories and workshops, which are run by experienced and efficient staff members, many of whom have industrial experience. But the greatest strength of this department is the team of highly qualified and experienced teachers, many of whom have Ph. D degrees. Some teachers have post-doctoral research experiences while some others have industrial experiences. ASHU conducts NSS activities of GNIT and arranges industrial visits, and invited lectures by eminent experts from academia and industry for students. The department has many teachers who have received funding for research from UGC and some teachers are guiding Ph.D. students. With thanks and best wishes. (Dr. S. Chakrabarti)

7. Departmental achievements

a. Student's Achievement

- Ms. Susmita Goswami of First Year CSE became Champion in MAKAUT Inter College Zone 3 Chess Championship held at Narula Institute of Technology on 1st November 2017.
- Saurjaynee Biswas secured 2nd position in Rangoli competition organized by IEM in IEM tech fest IEMPACT 2018 on 30th of January 2018.
- Atreyee Das secured 2nd position in Rangoli competition organized by IEM in IEM tech fest IEMPACT 2018 on 30th of January 2018.
- Bishal Lama participated in the Taekwondo Pumsae championship, in the NETAJI SUBHAS STATE GAMES and won a gold medal in February 2018.
- Arpan Mondal received Google India Challenge Scholarship in February 2018.

b. Faculty's achievements

- Mr. Chinmay Ghosh (Faculty Member of Mathematics) achieved a doctoral degree in Mathematics from University of Kalyani on 22.9.2017.
- Mr. Anup Kumar Thander stood second in the NPTEL examination in Numerical Methods in the month of October 2017.
- Mr. Goutam Mandal was certified by NPTEL in the ELITE category in Numerical Methods in the month of October 2017.
- Mr. Sanjoy Biswas was certified by NPTEL in ELITE category in Numerical Analysis in the month of November 2017.
- Dr. Sucharita Bhattacharyya served as Technical Program Committee (TPC) member in the IEEE conference ICACCP-2017 organized by the Department of Computer Science and Engineering, SMIT, Sikkim, dated September (08-10) 2017 and was certified as recognized reviewer in the month of November 2017

- **Mr. Anup Kumar Thander** served as TA in NPTEL course on Computational Electromagnetics and Application (from July 2017-October 2017) organized by IIT Bombay.
- **Dr. Soma Mukherjee** of ASHU (Physics) received the OUTSTANDING PAPER AWARD along with a memento and cash prize in 2nd Regional Science and Technology Congress (Southern Region), 2017 organized by University of Kalyani and Dept. of Higher Education, Science & Technology and Biotechnology, Govt. of West Bengal held during 14-15 December 2017.
- **Dr. Sreyaree Basu** participated in Career Counseling program on Application of Chemistry in Higher Education entitled `Ki Hote Chai` on 24.9.17 at DD Bangla in collaboration with JIS Group Educational Initiatives
- **Rajarshi Chakraborty** was selected as Reviewer in the International Journal of Engineering Research and Technology, on 12th January 2018, Reviewer ID:IJERTREW2513.
- **Mr. Ashis De** was successfully awarded Ph. D. degree on 22.02.2018 at IEST, Shibpur.
- **Dr. Sreyaree Basu** participated in Career Counseling program on Chemistry preparation for Joint Entrance Examination and other relevant areas entitled `Ki Hote Chai` on 30.3.18 at DD Bangla in collaboration with JIS Group Educational Initiatives.
- **Dr. Sucharita Bhattacharyya** participated in Career Counseling program on Physics preparation for Joint Entrance Examination and other relevant areas entitled `Ki Hote Chai` on 23.3.18 at DD Bangla in collaboration with JIS Group Educational Initiatives.
- **Mr. Goutam Mandal** participated in Career Counseling program on Mathematics preparation for Joint Entrance Examination and other relevant areas entitled `Ki Hote Chai` on 6.4.18 at DD Bangla in collaboration with JIS Group Educational Initiatives.



Dr Sreyasree Basu in the Career counseling session in "Ki Hote Chai" on 24.09.2017



Dr Sucharita Bhattacharyya speaking in "Ki Hote Chai" on 23.03.2018 on prospects in



Susmita Goswami (CSE 1st Yr) emerges as the Chess Champion in MAKAUT Inter College Chess Championship at NIT on 1st November 2017

8. Departmental Events

a. Seminar/ Workshop/ Conference Organized at the Institute

- **Mr Pallab Das and Mr Somnath Swarnakar**, mountaineering professionals, delivered an interactive session at the “Adventure sports and Rock Climbing Course” at GNIT on 04.08.2017 with around 100 participants.
- **Dr. Debasish Bhowmick**, Senior Scientific Officer, VECC, spoke at a seminar on the detection of gravitational wave with around 100 participants at the Industry Mentor Meet on 13.10.2017 at a programme jointly organized by GNIT and VECC.
- **Prof.(Dr.) Sanjay Sen**, Professor, Dept of Mathematics, University of Calcutta, spoke at GNIT at the seminar, “Emerging Trends in Engineering and Mathematics”, with over 150 participants on 28.10.2017.
- **Mr Saibal Chowdhury**, Project Manager (Technical), of M/s Solace Renewable Energy Pvt. Ltd, spoke at the seminar “Emerging Trends in Engineering and Mathematics”, with over 150 participants on 28.10.2017.
- **Prof. P.K.Das Poddar**, Former Dean, Faculty of Engg. And Technology, University of Calcutta, gave a lecture on Industrial Waste Management and Pollution Control at the National Science Day Seminar on 28.02.2018 at GNIT.
- **Prof. K.K. Chattopadhyay**, Professor, Dept. of Physics & Director, School of Materials Science and Nanotechnology, Jadavpur University, delivered a lecture on Nano-technology for Sustainable Development at the National Science Day Seminar on 28.02.2018.
- **Mr. K.G. Pilsima**, General Manager, Electrosteel Castings Pvt. Ltd., spoke at the Industry-Mentor Meet with over 250 participants on 27.04.2018 at GNIT.



**BOS Meeting of the
Dept October 2017**



**Flyer for the Rock Climbing & Adventure
Sports Workshop on 04.08.2017 at GNIT**



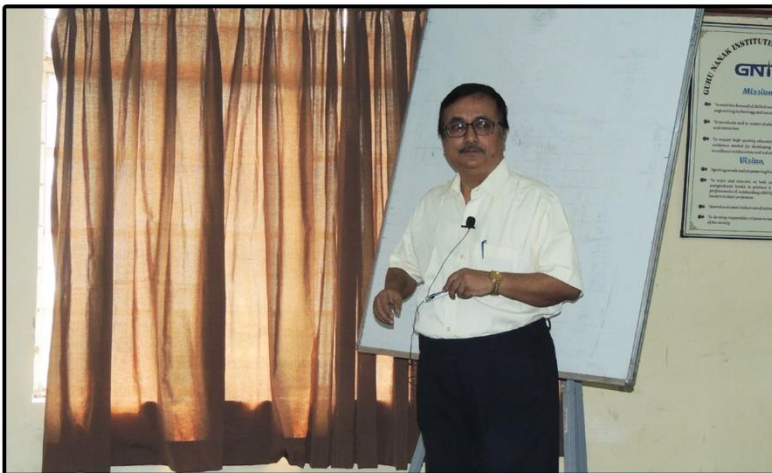
**Saibal Chowdhury of Solace
Renewable Energy at the GNIT
seminar on 28.10.2017**



Dr Debashis Bhowmick of VECC at the Industry Mentor Meet on 13.10.2017



Prof Das Poddar speaking at the NSD Seminar on 28.02.2018 at GNIT



Prof Sanjoy Sen at the seminar on Emerging Trends in Engineering & Mathematics on

Prof Chattopadhyay speaking at the NSD Seminar on 28.02.2018 at GNIT



b.Seminar/ Workshop/ Conference attended by our employees

- **Dr. Sucharita Bhattacharyya**, attended Short Term Training Program on Disaster Management – an awareness programme for Polytechnic and Engineering college teachers at NITTTR, Kolkata from 24.07.2017 to 28.07.2017.
- **Sushanta Auddy(JTA)** attended a Two days hands on workshop on testing, fault finding & repairing of electrical motors/fans on 3rd and 4th August at EE Dept, GNIT 2017.
- **Dr. Sucharita Chakrabarti**, Asst. Professor & HOD(ASHU) attended a Conference on “Roadmap to Autonomous Higher Education Institutions” on 5.10. 2017 FICCI and C.V.Raman College of Engineering (Bhubaneswar) at a seminar organized by AICTE & FICCI.
- **Dr. Indrajit Bose**, gave an Invited Talk on “Teaching Poetry and Change in Assessment Techniques” on 14.10.2017 at Jamshedpur at a programme jointly organized by the AIWC Group, Jamshedpur & OUP, Kolkata.
- **Anup Kumar Thander** attended an AICTE sponsored QIP on Numerical Techniques in Chemical Process Simulations from 20.11.2017 to 26.11.2017 at IIT, Kharagpur.
- **Dr. Indrajit Bose** spoke at an Interactive workshop on “Mapping the Coursebook as per Curriculum Change” on 11.11.2017 at the De Nobili School, Berhampore, Orissa.
- **Mr. Anjan Kumar Adak** attended workshop on Research Methodology on 28.11.2017 at JIS University
- **Dr. Sucharita Bhattacharyya** attended the 7th ICON SWM 2017 from 15th to 18th November 2017, partly sponsored by the ICONSWM Committee.
- **Dr. Soma Mukherjee** attended the 2nd Regional Science and Technology Congress (Southern Region), 2017 between 14th and 15th December 2017 organized by the University of Kalyani & the Dept. of Higher Education, Science & Technology and Biotechnology, Govt. of West Bengal.
- **Dr Indrajit Bose** conducted a General ELT Workshop, at Churachandpur, Manipur on 29th and 30th January 2018, at a programme organized by the Manipur State Board of Education and OUP, India.
- **Dr. Sucharita Bhattacharyya** attended the ICMAP 2018 from 9th to 12th February 2018 organized by IEEE and the Electronics Dept. of IIT(ISM), at Dhanbad.
- **Sanjoy Biswas** attended EDCT 2018 on 8th and 9th March 2018, organized jointly by IEEE and GNIT.
- **Rajarshi Chakraborty** attended EDCT 2018 on 8th and 9th March 2018, organized jointly by IEEE and GNIT.
- **Dr. Sucharita Bhattacharyya** acted as Session Chair on 8thMarch at 3.00 p.m at EDCT 2018 organized jointly by IEEE and GNIT.
- **Dr. Sucharita Chakrabarti** acted as Session Chair on 8thMarch at 3.00 p.m at EDCT 2018 organized jointly by IEEE and GNIT.

Industry Institute Interaction Activity

• Dr. Narayan Majumdar, Assistant Manager, Quality Control, of Stadmed Pvt. Dumdum, visited GNIT on 14.09.2017 and spoke on calibration of instruments and its importance in Industry.



• Dr. Debasish Bhowmick, Senior Scientific Officer, VECC, visited GNIT on 13.10.2017 and spoke on the engineering used in LIGO, the gravitational wave detector and role of Engineers and their job opportunities in the developing Indian prototype.

• Dr. Sucharita Bhattacharyya, Associate Professor of Physics and Dr. Mainak Debnath, Asst. Professor in Chemistry visited the Panihati Water Treatment Plant, Sodpur with students between 23.02.2018 and 27.02.2018 whereby students acquired crucial information and practical knowledge about the physio-chemical treatment of water and components used in treatment plant.



Students at the Panihati Water Treatment Plant in February 2018

Extra- Academic Activities

- English faculty members have groomed the 1st Year B. Tech students weekly (from the last week of September till date) on the modalities of giving Power Point presentation.
- English faculty members have groomed the 3rd Year B. Tech students weekly (from mid-July till the 2nd week of November) to make them industry ready and to prepare them for Campus interview.
- Mathematics faculty have been taking Quantitative Aptitude Classes weekly (from the 3rd Week of July to the last week October) to prepare the students for Campus placements.
- NSS Activities were conducted on 21.11.2017 whereby students were inculcated in corporate social responsibility through donation of clothes and money to Ramkrishna Vivekananda Mission and Bharat Sevashram Sangha.



- A Parent-Teacher meet was organized on 21.04.2018 to improve teaching-learning activities by exchanging students' information & feedback with parents.
- ASHU Pulse (the Dept newsletter) was launched in June 2018 to showcase Departmental achievements and events.



Co-curricular Activities

- Arijit Malakar, Swapnoneel Chakraborty, Suvrojyoti Biswas, Pradiptaa Bannerjee , Subhaditya Saha participated in a band performance on 03.11.2017 "Jangal Mahal Udyog" Programme at Mohor Kunja to highlight the Jangal Mahal Cultural activities in liaison with Government of West Bengal.
- Students of B. Tech and Diploma 1st year participated in a Debate Competition on science and scientific research on 28.02.2018 on the occasion of Science Day.



- Students of B. Tech and Diploma 1st year participated in a Quiz, Poster Presentation and Hardware and Software Model Display Competition on 28.02.2018 on the occasion of Science Day.



9.Publications

Publication (Faculty)

No. of Conference paper: 6 (National: 2, International: 4)

No. of Journals: 2 (International)

Publication (Students)

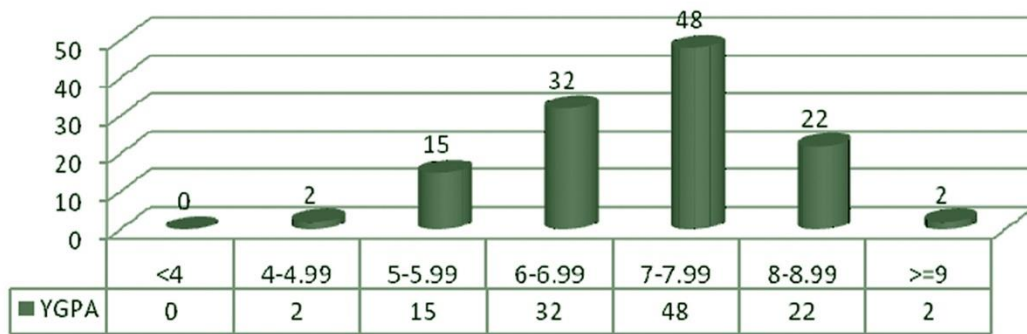
- No. of Conference paper: 1 (International)

10.Result

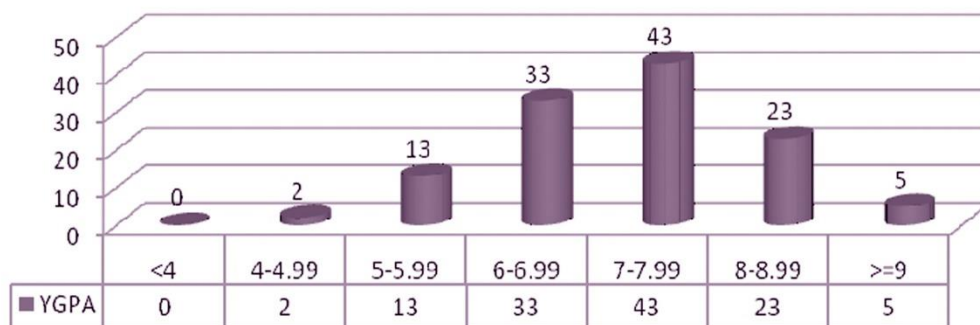
YGPA-wise Graphical Result Analysis

1st year 2017-18

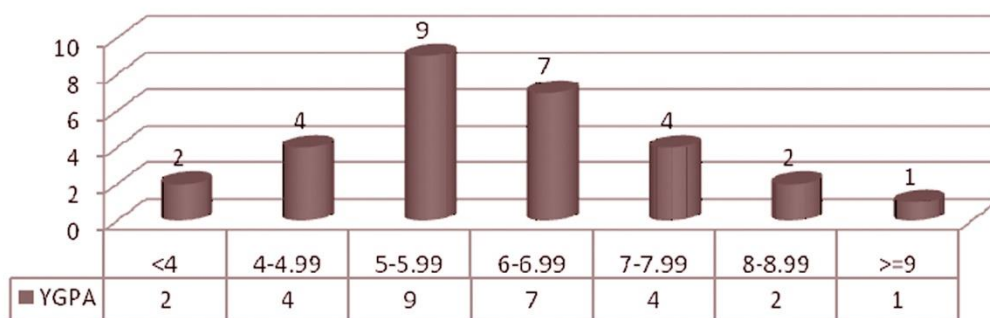
CSE >> YGPA-wise Result Analysis 2017-18



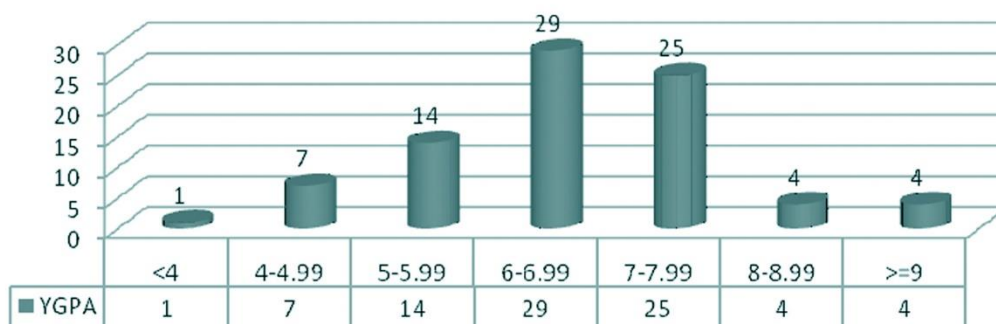
ECE >> YGPA-wise Result Analysis 2017-18



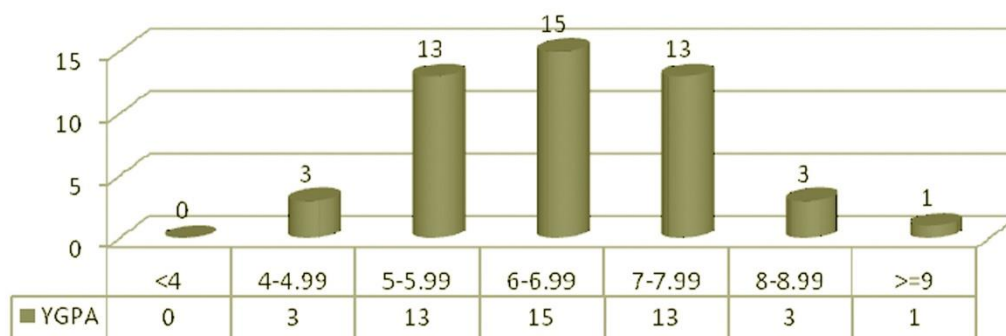
AEIE >> YGPA-wise Result Analysis 2017-18



EE >> YGPA-wise Result Analysis 2017-18



FT >> YGPA-wise Result Analysis 2017-18



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GNIT

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DEPARTMENT OF COMPUTER APPLICATION

GNIT ANNUAL REPORT 2017-18

Department of Computer Application

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 started in 2007 with only MCA stream and from 2008 BCA started. We are fortunate to be the choice of most of the stakeholders. CA department believes in excellence in education and innovation. It gives best placement to students. Teacher-student relationship is a matter of pride for us.

Departmental achievements

a. *Student's achievements*

b. *Faculty's achievements*

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*

Department of Computer Application has successfully completed an Industry Expert meet with MCA students by Ejobindia at Guru Nanak Institute of Technology on 17th november.



Department of Computer Application has successfully completed a one day workshop on Web Development using PHP with BCA ,MCA students by Ardent Computech Pvt. Ltd. at Guru Nanak Institute of Technology on 2nd nov.



Department of Computer Application has successfully organised a one day workshop with OGMATECH Lab at Guru Nanak Institute of Technology on 2nd nov. Some capturing moments.....



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



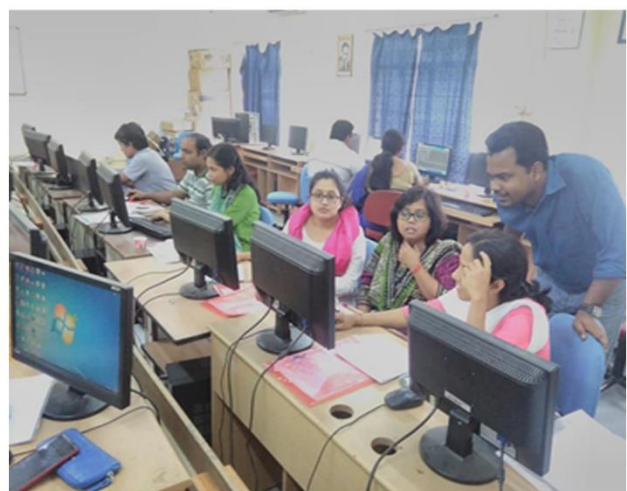
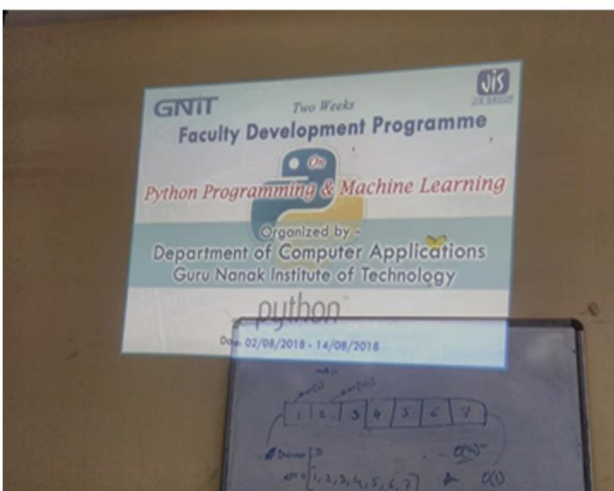
On 29th sep, Department of Computer Application has successfully completed Parent -Mentor meet



Teachers' Day celebrated by the students of BCA & MCA on 5th September at Guru Nanak Institute of Technology.



Two Weeks Faculty Development Programme on Python Programming and Machine Learning organized by Department of Computer Applications, Guru Nanak Institute of Technology...
First Week Day two successfully completed



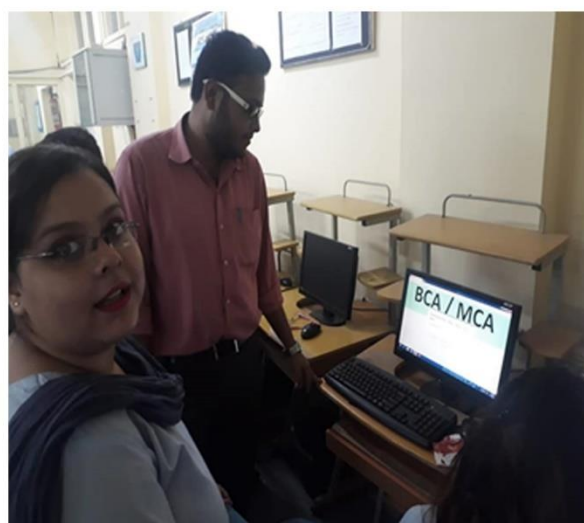
Department of Computer Application has successfully organized 2 weeks IT Base Training Programme for 2nd Year students of BCA from July 9th to July 20th. Few moments captured on the last day of the Training

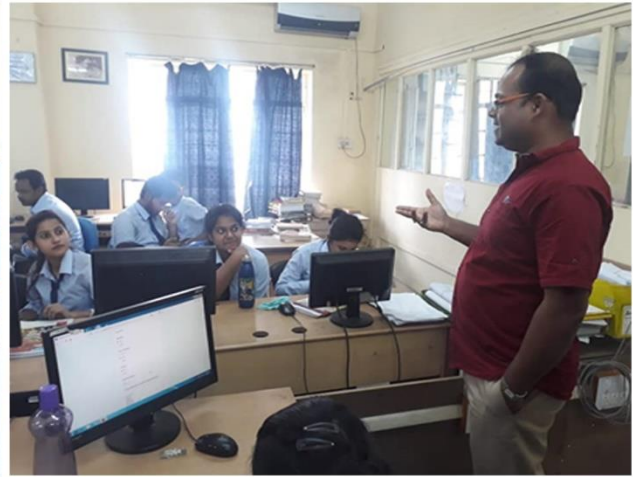


NPTEL Local Chapter at Guru Nanak Institute of Technology has successfully organized a one day "NPTEL Online courses Awareness Camp" on 11.7.2018



SPECIAL TRAINING CLASSES FOR BCA 3RD SEMESTER STUDENTS DONE BY DEPARTMENT OF COMPUTER APPLICATION

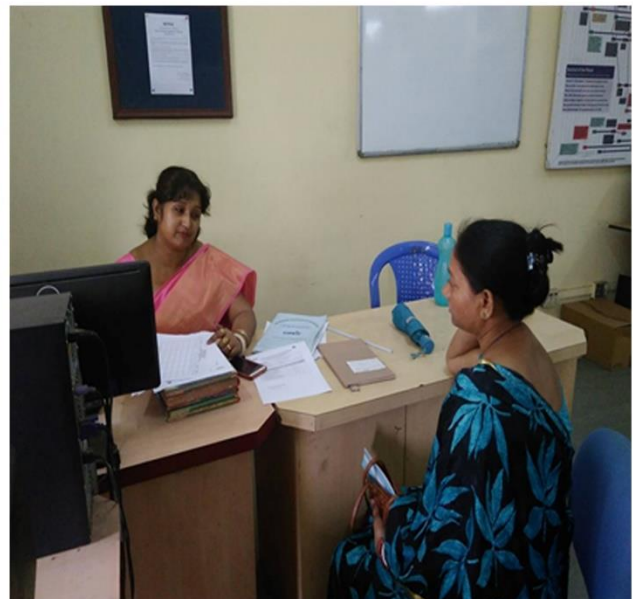




May 31st, Department of Computer Application has successfully completed one day Industry Experts Meet with GNIT students.



Department of Computer Application successfully completed Parent Teacher Meeting on 21 April 2018



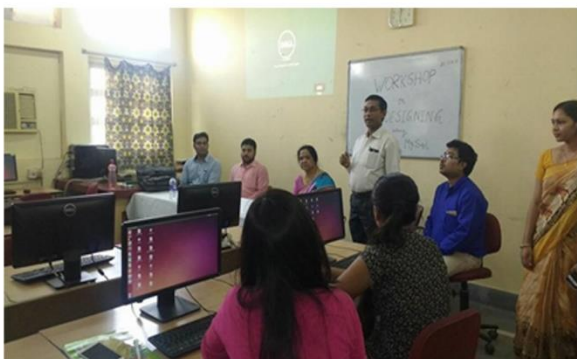
Our Department of Computer Application, GNIT has organized one day workshop with hands on experience on PYTHON with MACHINE LEARNING in collaboration with Netwizard on 18.04.2018.



Our Department of Computer Application, GNIT has organized a one day workshop with hands on experience on Oracle DBA in collaboration with Ardent Computech Pvt. Ltd. on 03.04.2018.



Department of Computer Application organized a half day workshop on “Web Development using PHP and MySql with concept of FrameWork” on October 17, 2017 from 10:30 am to 1:30 pm in collaboration with OGMA TechLab for final year BCA and MCA students. The hands on techniques was demonstrated by the experts during the session.



Induction & orientation program for 2018 batch students



b. Participated
i. faculty & staff

Jangal mahal udyog



Mr Robby Wells's RiseUp campaign with JIS group



May 18th, Recipients of KRITI award 2k18 from Department of Computer Application



Book Fair at GNIT on 9th aug



ii. students

Dept. of Computer Application is proud to share that our students PRADIPTA DAS & GOBIND DEEP SINGH of BCA 1st Semester, have successfully proved themselves to be Ethical Hackers. Recently they were invited to ETV Bangla News Channel as Experts for the program "SADA KATHA KALO KATHA" where they explained about a Bug in server of State Bank of India and how information can be hacked from there. The Bug may effect more that 5 Lacs Users of SBI Net Banking Accounts and several other servers.

We wish them all success in future.



Publication

- | | |
|----------------------|-----|
| a. Faculty and staff | nil |
| b. Student | nil |

Result

Placement and higher studies

in Campus Placement Drives.

Manish Kumar	: BCA	: Ayant Software
Devyani Mitra	: BCA	: Ayant Software
Abhishek Das	: BCA	: Ayant Software
Koustav Banerjee:	BCA	: Ayant Software
Debarghaya		
Mukherjee	: BCA	: Ayant Software
Ritwika Sen	: BCA	: Capgemini
Bishal Kumar		
Shaw	: BCA	: Infosys
Debdatta		
Mazumder	: BCA	: Patel IT Services
Mriganka Bera	: BCA	: Patel IT Services
Roshni Das	: BCA	: Patel IT Services
Amit Paul	: MCA	: Patel IT Services
Priya Shah	: MCA	: Patel IT Services
Rajdeep Dutta	: MCA	: Patel IT Services
Subhankar		
Sutradhar	: MCA	: Patel IT Services
Anushree Mitra	: BCA	: Cognizant

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DEPARTMENT OF INFORMATION TECHNOLOGY

Department of Information Technology

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

Departmental achievements

a. Student's achievements



INDRANI DEY

Topper in Department of Information Technology



NAYAN KUMAR

Team member of the winning GNIT cricket team in RAMPAGE 2K18 Cricket Tournament organized by Neotia Institute of Technology, Management and Science on 1st May, 2018



RAHUL KUMAR CHOWDHURY

Cricket Team Performance Award

Other Students' Achievements:

Mr. Pradipta Karmakar has received Elite Certificate in NPTEL Certification Course for the subject : Programming Data Structure and Algorithm using C.

Mr. Titas Roy Chowdhury has received Elite Certificate in NPTEL Certification Course for the subject :Programming Data Structure and Algorithm using C.

Mr. Amit Biswas has won KRITI-2018 for achieving the departmental topper in 4th year.

Mr. Amit Biswas has won KRITI-2018 for YGPA 9 point and above.

Ms. Titirsha Banerjee has won KRITI-2018 for achieving the departmental topper in 3rd year.

Ms. Indrani dey has won KRITI-2018 for achieving the departmental topper in 2nd year.

AJIT KUMAR JHA 3rd year student Received scholarship for the specialized training in the field of –“Visual Art-Painting” from center for cultural Talent search Scholarship scheme.

MEGHA CHATTERJEE 2nd year student secured 3rd position after completing projects on IoT during winter training program at Skyfi Lab, Bangalore.

DIPTA SARKAR 4th Year student got chance to act in a ZEE bangla serial name “ Saat Bhai Champa”.

Department of IT inaugurates departmental wall magazine "GENESIS" on 30th August 2017.



FACULTY ACHIEVEMENT



MR. TRIDIB CHAKRABORTY
KRITI 2018 award for Excellence
Guidance as Mentor

Others Awards:

Mr. Tridib Chakraborty has won
KRITI-2018 as founder of GNIT coding club.

Mr. Tridib Chakraborty has won
KRITI-2018 as distinguished Mentor.



MR. CHOWDHURY MD. MIZAN
KRITI 2018 award for Excellence
Guidance as Mentor

Others Awards:

Mr. Chowdhury Md. Mizan has won
KRITI-2018 as distinguished Mentor.



MS. SUPARNA KARMAKAR
KRITI 2018 award for Excellence
Guidance as Mentor

Others Awards:

Ms. Suparna Karmakar has received Elite Certificate by securing 77% in NPTEL Certification Course for the subject: Data base Management System. Ms. Suparna Karmakar has won KRITI-2018 as distinguished Mentor.



MRS. TRISHITA GHOSH
KRITI 2018 award for Excellence Guidance
as Mentor

Others Awards:

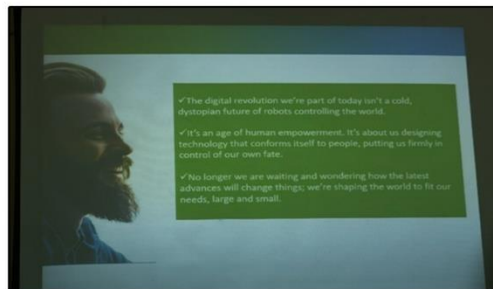
Mrs. Trishita Ghosh, selected as Editorial Board member of 'Shodhshauryam - International Scientific Refereed Research Journal (SISRRJ)'. Mrs. Trishita Ghosh has won KRITI-2018 as distinguished Mentor.

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



1. Department of IT organized an industry mentor meet on 10th November 2017. Mr. Ratnadeep saha ,Technical Architect & Consultant ,TCS, was the speaker and Mr. Saha gave lecture on "INTENSIFY YOU- Be a captain of the digital revolution era" Mr. saha in his illuminating speech, emphasized the industry demand and explained about the changing trend of IT industry.





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. One day workshop on Python in collaboration with OgmaTech Lab on 7TH March 2018. Mr.Soumitra Das,Senior Developer and trainer,Ogma Tech Lab, was the speaker.



4. Seminar on Corporate Readiness in collaboration with Skill Academy of India on 6th march, 2018.Mr Subhadeep Saha,Trainer,SIL Kolkata



5. One day workshop on IOS Development and current trends in Industry , in collaboration with Training and placement coordinator, Ejob India on 19th April, 2018.



6. One day workshop on Machine Learning and Artificial Intelligence in collaboration with My WBUT on 10th, April, 2018.



7. 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, 2017.

9. "Seminar on Career Development and Sustainability" Advisor JIS group, (Former Director, MNNIT Allahabad, NIT Sikkim) on 18th April, 2018.

b. Participated
faculty & staff

Workshop and Seminar Participated

Sl.	Name of Participant	Dept.	Name of the Seminar/Workshop/Conf.	Date	Venue and Organized by
1	Chowdhury Md Mizan	IT	52nd Annual Convention (CSI)	19-21 Jan, 2018	Venue Science City and Organized by CSI, Kolkata
2	Chowdhury Md Mizan	IT	2nd International Workshop on Pattern Analysis and Applications	29-31 January 2018	Indian Statistical Institute, Kolkata
3	Sudeep Ghosh	IT	7th IEEE International Symposium on Embedded Computing and System Design.	18-20 December 2018	National Institute Of Technology, Durgapure
4	All faculty members of CSE	IT	Intellectual Property Rights	12.01.18	GNIT

Department of Information Technology Organized FDP on “Android App Development”

Faculty Development Program On

ANDROID APP DEVELOPMENT

26th-30th Dec, 2017

Organized by:

Department of Information Technology
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

Chairperson

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

Convenor

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

Organizing Committee

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

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 Information Technology Organized FDP on “Image Processing”

Faculty Development Program On

IMAGE PROCESSING

25th-29th Jun, 2018

Organized by:

Department of Information Technology
Guru Nanak Institute of Technology

GNIT

In collaboration with

ARDENT COMPUTECH PVT LTD



Guru Nanak Institute of Technology
157/F, Nilgunj Road, Panihati,
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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: trish.ghosh@gnit.ac.in
Mobile: (+91) 9933788789

Publication

a. Faculty and staff

Journal- 06

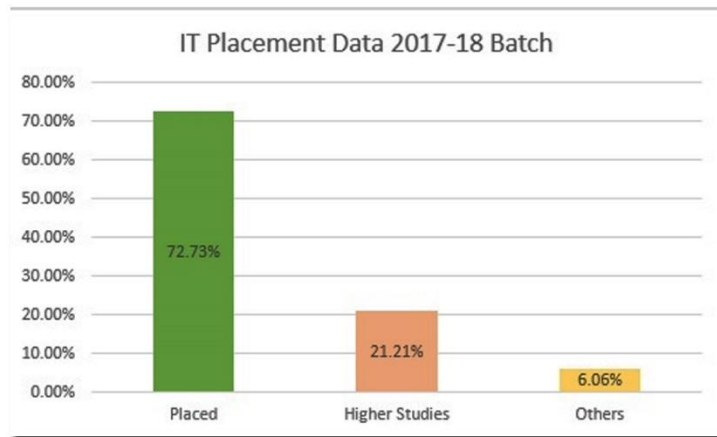
Conference-04

b. Student

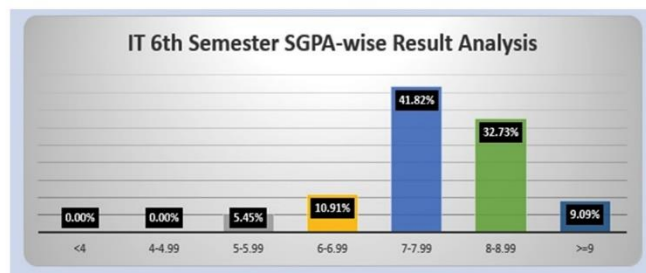
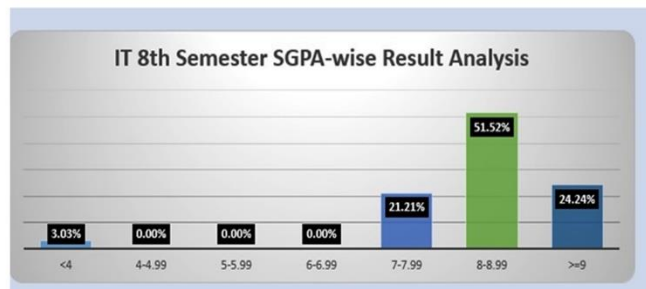
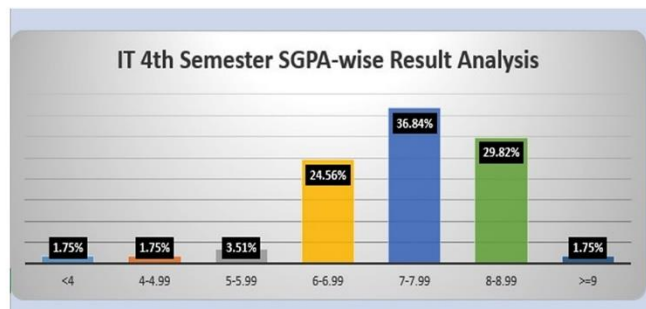
Journals-04

Placement and higher studies

Around 145 companies took part in placement of the students in the academic year 2017-18. 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.



Result:



R&D Project Proposal Submitted (2018)

Dept	Particulars
AEIE and ASH	<p>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</p>
EE	<p>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.</p>
ECE	<p>Dr. JK 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</p>
	<p>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</p>
	<p>Dr. Sunipa Roy submitted Proposal for Entrepreneurship awareness camp Of Rs.50,000/- to Department of Science & Technology, Govt. of India</p>
CSE	<p>Suparna Biswas and Koushik Pal prepared proposal on Image Processing for SSTP, DST</p>
CSE	<p>Dr. Sayantan Nath and Sourish Mitra SSTP DST on Thermographic based Pollution Monitoring In Automobiles” 54.0 lacs in May 2018</p>
Institutional (ECE)	<p>FIST under DST 1.0 Crore within 15th June 2018</p>
Other Depts	<p>Some other departments like AEIE, EE, ECE, CSE will submit project proposals to DSIR under the MSME’s PRISM scheme</p>

Publication Summary

INSTITUTIONAL PUBLICATION SUMMARY

FACULTY PUBLICATION:

Academic Year	Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
2017-18	CSE	0	0	2	5	7
	ECE	0	3	8	16	27
	AEIE	0	0	1	3	4
	EE	0	5	2	5	12
	IT	0	0	6	4	10
	ASH	1	3	3	5	12
	FT	0	15	16	1	32
	CA	0	0	0	0	0
		1	26	38	39	104

STUDENT PUBLICATION:

Academic Year	Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
2017-18	FT	0	14	9	1	24
	AEIE	0	0	0	6	6
	IT	0	0	4	0	4
	CSE	0	0	1	6	7
	EE	0	10	0	5	15
	ECE	0	0	0	3	3
	ASHU	0	0	0	1	1
			0	24	14	22

Faculty Publication Details

National Seminar/Conference

DEPARTMENT: ECE

- **Sayan Roy Chowdhury**, Abhishek Shaw, Arijeet Saha, Aparajita Bhagat, “Design of wireless charger using piezo sensor”, ASICN 2017, Dr. Sudhir Sur Engg. College, Kolkata, October 2017.
- **Dr. Sunipa Roy**, Roma Singh, Roshan Jha, Palasri Dhar, “Two dimensional mobility in InP Single Quantum Well qand InAs Single Quantum well”, RSA2017, Netaji Subhash Engg. College, August 2017.
- **Sayan Roy Chowdhury**, Abhishek Shaw, Arijeet Saha, Aparajita Bhagat, “Wireless power transmission using piezo sensor, RSA2017”, Netaji Subhash Engg. College, August 2017.

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 Intelligent Energy Saving System ,FOSET, March,2018.
- **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 Chakroborty**, Vandana Rani, Vicky Paswan, Soyel Ghosh “Footstep Power Generation using Piezoelectric Effect” FOSET, March,2018.

DEPARTMENT: ASH

Anup Kumar Thander and Dr. Sucharita Bhattacharyya,”Optical modal analysis in rib waveguide structures using higher order compact(HOC) FDM in combination with Biconjugate Gradient Stabilized (BiCGSTAB) method”, TOPAS-2017 to be held on 16-17 December 2017 at IIT Kharagpur (Abstract Accepted).

• Dr. Soma Mukherjee : “Transport properties of ionic $y\text{Li}_2\text{SO}_4\text{-}2(1-y)[\text{ZLi}_2\text{O}.\text{B}_2\text{O}_3]$ glasses”, 2nd Regional Science and Technology Congress (Southern Region). 2017 organized by University of Kalyani & Dept. of Higher Education, Science & Technology and Biotechnology, Govt. of West Bengal held during 14-15th Dec 2018 at Kalyani University.

• Dr. Soma Mukherjee : “Transport properties of ionic $y\text{Li}_2\text{SO}_4\text{-}2(1-y)[\text{ZLi}_2\text{O}.\text{B}_2\text{O}_3]$ glasses”, Accepted for oral presentation in 25th West Bengal State Science & Technology Congress, 2018 scheduled to be held during 4-5h March 2018 at Science City Auditorium.

DEPARTMENT: FT

• **Chaitali Chakraborty. And Kakali Bandyopadhyay . (2017).** Banana Peel Muffin: A great way of waste utilization, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.

• **Kakali Bandyopadhyay. And Chaitali Chakraborty. (2017).** Processing of Jackfruit seed flour, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.

• **Chaitali Chakraborty. And Kakali Bandyopadhyay. (2017).** Qualitative analysis of Coffee Yoghurt, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.

• **Kakali Bandyopadhyay and Chaitali Chakraborty. (2017).** Preparation and Characterization of Fortified Yogurt, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.

• **Dr. Anju Paul (2017)** “Utilization of Whey Protein to Enhance The Nutritional Quality of Biscuit”- Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.

- **Kakali Bandyopadhyay (2017)** “Anthocyanins: Sources, Application, antioxidant activity and its role as biocolor”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Kakali Bandyopadhyay and Shairee Ganguly (2017)** “Freeze dried Jamun Powder fortified lassi: Source of nutraceuticals”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Anju Paul (2017)** “Quercetin Fortified Skimmed Milk”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Anupam Ghosh (2017)** “Nutraceuticals- The pharmaceutical super foods”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Anupam Ghosh (2017)** “Silver Nano-Particle in Cancer Treatment”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017
- **Kakali Bandyopadhyay and Ipsita Sen (2017)** “Nutraceutical Analysis of Jackfruit Seeds”-Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.

- **Anupam Ghosh and Kakali Bandyopadhyay (2018)** “Applications of industrial tea waste”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25th March, 2018.
- **Anupam Ghosh and Kakali Bandyopadhyay (2018)** “Oxidative Stability of Vegetable Oils during Frying” Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25th March, 2018.
- **Kakali Bandyopadhyay and Shairee Ganguly (2018)** “Fenugreek seed: an oxidative stability enhancer of soybean Oil during frying”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25th March, 2018.
- **Shairee Ganguly and Arka Roy Chowdhury (2018)** “A safer pathway to preserve fish-no more formaldehyde”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25th March, 2018.

International Journal

DEPARTMENT: CSE

- **Srabani Kundu, Bidyutmal Saha, Sourish Mitra,**”A Light Weight Distributed Algorithmic Approach for Optimal Deployment of Sensor Nodes over 3D Wireless Network System”, accepted on IJRASET (International Journal for Research In Applied Science and Engineering Technology)UGC Approved (Journal No-45842 (ISSN-23219653, Thomosn Reuters Researcher ID: N-9681- 2016, Scientific Journal Impact Factor: 6.887, IC Value: 45.98, Volume 5, Issue VIII, August 2017, August 2017.
- **Sourish Mitra,**”Arduino Based Bluetooth Operated Car Wiping Technique Using Android Mobile Phone”[PP-1794-1797] published on International Research Journal of Engineering and Technology e-ISSN: 2395-0056,p-ISSN: 2395-0072, Volume: 04, Issue: 12 ,Thompson-reuter researcher ID: A-5672-2016, Impact factor:6.1, Dec-2017.

DEPARTMENT: ECE

- **Suparna Biswas et.al.**, On Prediction Error Compressive Sensing Image Reconstruction for Face Recognition, Elsevier Journal of Computer and Electrical Engineering, Accepted , article in press. Impact 1.57. August,2017
- **Surajit Basak**, Cross Layer Optimization for Outage Minimizing Routing in Cognitive Radio Ad Hoc Networks with Primary Users' Outage Protection, Elsevier Journal of Network and Computer Application, Vol 98, pp 114-124.Aug,2017 Impact Factor 3.5.
- **Anurima Majumdar**, “A Wideband Multiband CPW Fed Wineglass Shaped Patch Antenna with Tuning Stub for 4G Wireless Communication Application”, published in IJRASET - International Journal for Research in Applied Science & Engineering Technology (UGC Approved Journal, Thomson Reuter Indexed) ISSN: 2321-9653, IC Value: 45.98, SJ Impact Factor: 6.887,Jan 2018.
- **Anurima Majumdar**, “Design of a UWB Antenna Array for Ka Band Operation”, Journal of Emerging Technologies and Innovative Research, (Thomson Reuter Indexed), ISSN: 2321-9653, IC Value: 45.98, SJ Impact Factor: 6.887,Jan 2018
- **Avali Ghosh, Sisir K. Das and Annapurna Das**,“Minimization of Crosstalk in PCB”, IJRASET - International Journal for Research in Applied Science & Engineering Technology (UGC Approved Journal, Thomson Reuter Indexed), Vol. 6, Issue I, January 2018, ISSN: 2321-9653, IC Value: 45.98, SJ Impact Factor: 6.887, p891-898.
- **Sunipa Roy**, Development of microcontroller based integrated gas sensor system for detecting combustible gases, IET Circuit Device and Systems (IET), DOI: 10.1049/iet-cds.2017.0243, Feb 2018.
- **Avali Ghosh, Sisir K. Das and Annapurna Das**,“Analysis of PCB to find Trace Impedance by Method of Moment and Cross-talk Interference”, IJRASET - International Journal for Research in Applied Science & Engineering Technology (UGC Approved Journal, Thomson Reuter Indexed), Vol. 6, Issue II, February 2018, ISSN: 2321-9653, IC Value: 45.98, SJ Impact Factor: 6.887.
- **Avali Ghosh, Sisir K. Das and Annapurna Das**,“ Interference Effects of Via Interconnect in three Layer PCB”, ACES Journal, March 2018.

DEPARTMENT: AEIE

• **Adhish Kr. Chakrabarty**, "A New Robust Model Reference Adaptive Control for Tray-Type Distillation Column", published in International Journal of Electronics, Electrical and Computational Systems, Vol.6, issue 11, pp.549-554. November 2017, UGC approved journal.

DEPARTMENT: EE

• **Anindita Ganguly** "Solution of Volterra and Fredholm classes of equations via Triangular orthogonal function", IE(I) Springer April 2018.

• **Rikta Majumder, Sisir Mazumder**, "Microprocessor Based Digital Motor Protection Relay Model For Different Fault Conditions" IJEECS, Volume 6, Issue 12, December 2017, ISSN 2348-117X 9th dec,2017.

DEPARTMENT: IT

• **Baisakhi Das, Biplab K Sikdar**, Evaluating Impact on CMPs' Power for Design Inaccuracy Diagnosis; International Journal of Computer Applications in Technology (IJCAT), , Vol. 56, No. 3, pp.198–209.SCI indexed, January,2018

• **Trishita Ghosh, Ashutosh Debnath**, Ankita Paul, Chayan Chattopadhyay, Saheli Hazra , Sumit Kumar Singh "Hybrid Routing Approach Depending on Different Message Types in VANET" International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol-3, issue-5, pp 335-338. Indexing in Google Scholar, Citeseer, ICI. ISSN: 2456-3307, April,2018

• **Trishita Ghosh**, Ashutosh Debnath, Chayan Chattopadhyay, Sumit Kumar Singh "A Comparative Study of Different Emerging Routing Protocols in VANET" International Journal of Emerging Technologies in Engineering Research (IJETER). Vol 6, issue-5, pp-129-134. Thomson & Reuters research ID-H-8878-2016. ISSN-2454-6410. April,2018.

• **Sudeep Ghosh, Tridib Chakraborty**, Rohan Rajak "A New Approach For TSV Based 3D-SIC Testing" International Journal of Emerging Technologies in Engineering Research (IJETER). Google scholar, Thompsons & Reuters Research ID: H-8878-2016. (Accepted) ISSN- 2454-6410, April,2018,

• **Tridib Chakraborty, Sudep Ghosh** "Remote Voting System Using Extended Visual Cryptography" International Journal of Latest Trends in Engineering and Technology. Thompsons & Reuters Researcher ID P-8024-2015. (Accepted). ISSN: 2319-3778. April,2018.

• **Suparna Karmakar, Tridib Chakraborty**, Rajarshi Saha, Nirvik Roy "Fuzzy Petri net based E-commerce System Design and Analysis" International Journal of Latest Trends in Engineering and Technology. Thompsons & Reuters Researcher ID P-8024-2015 Index Copernicus, ICV - 7.39/10 Index Copernicus, ICV - 77.02/100. (Accepted). ISSN: 2319-3778. April,2018

DEPARTMENT: ASH

- **Dr. Chinmay Ghosh, Sanjoy Biswas**, “HYPERBOLIC VALUED SIGNED MEASURE” published in “International Journal of Mathematics Trade and Technology” Thompsons & Reuters indexed with ISSN: 2231-5373.
- **Ashis Kumar Dey**, Subrata Chatterjee and Koushik Biswas: Effect of Oxides Additives on Phase Evolution and Tribological behaviour of Zirconia-Toughened Alumina Composites, Journal of Materials Engineering and Performance 26 [12] (2017) 6107-6116.
- **Anup Kumar Thander and Dr. Sucharita Bhattacharyya**, “Optical Modal Analysis in H Field using Higher Order Compact (HOC) FDM in combination with Conjugate Gradient Method”, Published in IEEE xplore (Web of Science) , Thompsons & Reuters indexed with ISBN : 978-1-5386-0933-0/18

DEPARTMENT: FT

- **Chaitali Chakraborty, and Kakali Bandyopadhyay**, Potential Application of Milk and Milk Products as Carrier for Herbs and Spices: A Review, International Journal of Engineering Research and Science & Technology, 6(1): 114-125, (2017) ISSN 2319 – 5991, Impact Factor:1.09.
- **Chaitali Chakraborty, and Kakali Bandyopadhyay**, Utilization of Banana Peel and Pulp as a Functional Ingredient in Product Development: A Review, International Journal of Engineering Research and Science & Technology, 6(1):137-148, (2017), ISSN 2319 – 5991, Impact Factor:1.09.
- **Chaitali Chakraborty, and Kakali Bandyopadhyay** Banana peel wastes: potential source of antioxidant in banana chips, International Journal of Agricultural Science and Research (IJASR), 7(2):73-80, (2017) ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; Impact Factor (JCC): 4.8136; NAAS Rating: 4.13; IBI Factor: 3.2
- **Chaitali Chakraborty and Kakali Bandyopadhyay** Textural Analysis of Spongy Indian Milk Dessert (Rasogolla) Fortified with Potato Powder, , International Journal of Current Microbiology and Applied Sciences(IJCMAS), 6(4): 2414-2420 (2017) ISSN:2319-7692(Print); ISSN:2319-7706(Online), NAAS Rating: 5.38, ICV:85.95, Impact Factor:2.937.

- **Chaitali Chakraborty, Shairee Ganguly and Kakali Bandyopadhyay**, Development and Characterization of Biocolour (Beta vulgaris) Enriched Low Calorie Lassi (Yogurt Based Beverage), International Journal of Current Microbiology and Applied Sciences (IJCMAS), 6(4) 2265-2270 (2017) ISSN:2319-7692(Print); ISSN:2319-7706(Online), NAAS Rating: 5.38, ICV:85.95, Impact Factor:2.937.
- **Chaitali Chakraborty, Kakali Bandyopadhyay, Shairee Ganguly** Evaluation of Rheological, Physicochemical and Sensory Properties of low Calorie Coffee Yogurt, , The Pharma Innovation Journal, 6(7): 106-109 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Chaitali Chakraborty, Kakali Bandyopadhyay, Shairee Ganguly** Potential of raw banana peel as a source of polyphenol in muffins, ,The Pharma Innovation Journal, 6(10): 40-43 (2017),ISSN (E): 2277- 7695,ISSN (P): 2349-8242,NAAS Rating 5.03.
- **Kakali Bandyopadhyay, Chaitali Chakraborty, and Shairee Ganguly** Change in physicochemical properties of edible oil during frying: A review, , The Pharma Innovation Journal, 6(10): 196-199 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Chaitali Chakraorty, and Kakali Bandyopadhyay**, Nutraceutical Potential Of Some Rare Fruits & Vegetables: A Review, The Pharma Innovation Journal, 6(10): 421-424 (2017), ISSN (E): 2277- 7695,ISSN (P): 2349-8242,NAAS Rating 5.03.
- **Chaitali Chakraorty, and Kakali Bandyopadhyay**, Utilization of Various Seeds: A Review, ,The Pharma Innovation Journal, (Accepted), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Chaitali Chakraborty and Kakali Bandyopadhyay**, “Textural Analysis of Spongy Indian Milk Dessert (Rasogolla) Fortified with Potato Powder”, International Journal of Current Microbiology and Applied Sciences ,6(4): 2414-2420, (2017). ISSN: 2319-7706 (NAAS Rating: 5.38)
- **Shairee Ganguly, Chaitali Chakraborty and Kakali Bandyopadhyay**, “Development and Characterization of Biocolour (Beta vulgaris) Enriched Low Calorie Lassi (Yogurt Based Beverage)”, International Journal of Current Microbiology and Applied Sciences,6 (4): 2265-2270, (2017) ISSN: 2319-7706 (NAAS Rating: 5.38)
- **Chaitali Chakraborty, Kakali Bandyopadhyay**, “Banana peel wastes: potential source of antioxidant in banana chips”, International Journal of Agricultural Science and Research (IJASR), 7(2):73-80, (2017) ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; Impact Factor (JCC): 4.8136; (NAAS Rating: 4.13); IBI Factor: 3.2.

• **Kakali Bandyopadhyay, Utilization of Various Seeds: A Review**, The Pharma Innovation Journal, 6(11):93-101 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.

• **Kakali Bandyopadhyay, Shairee Ganguly**, Studies on Extraction of Polyphenols from Food Wastes and its Utilization for Fortification of Polyphenols: International Journal Of Agricultural Engineering, ISSN (E): 0976-7223, ISSN (P): 0974-2662, NAAS Rating 4.43.

• **Anju Paul** Study On Antimicrobial Properties And Medicinal Value of: Adhatoda Vasica, Centella Asiatica, Paederia Foetida, Nyctanthes Arbor-Tristis, Ocimum Tenuiflorum International Journal of Current Microbiology & Applied Sciences ; 2018 7(5), 1406-1413 , ISSN No.:2319-7692 (P), NAAS Rating 5.38

International Seminar/Conference

DEPARTMENT: CSE

• **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh “ Exploring the rationale between ERP and EPR in Asian Countries using cloud based Approach” Accepted and invited for oral presentation at 7th International Conference on Solid Waste Management at PJTSAU, Hyderabad, Telengana on 15th -17th December,2017

• **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh “Organizational Perspective of Critical Success factor to establish ERP as a Sustainable Solution” Accepted and invited for oral presentation at 11th ISDSI International Conference at Indian Institute of Management Tiruchirappalli on December 28 - 30, 2017

• **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh “Cloud Computing Based Sustainable Approach towards E-waste Management in India” Accepted and invited for oral presentation at International Conference on Waste Management “RECYCLE-2018” at Indian Institute of Technology Guwahati, Guwahati, India on 22-24 February,2018.

• **Srabani Kundu**,”Boundary Detection and Area Estimation of an Event Region in Wireless Sensor Networks using Digital-Circles”,accepted on ICDCN’18: Workshops co-located with the International Conference on Distributed Computing and Networks 2018, January 4–7, 2018,Varanasi, India. ACM, New York, NY, USA, 2 pages. <https://doi.org/10.1145/3170521.3170542>

• **Pallabi Das**, Madhumita Banerjee, Monami Daw, Manisha Pal, Pragati Ghosh, “Feature Detection of Autistic Gene using Genetic Algorithm” Abstract published in International Conference on “Emerging Trends in Electronic Device and Computational Techniques” Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.

DEPARTMENT: FT

• **Kakali Bandyopadhyay (2018)** “Application of optical sensors in determination of light absorbent of purple cabbage fortified lime squash”- Abstract published in International Conference on “Emerging Trends in Electronic Device and Computational Techniques” Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.

DEPARTMENT: ASH

• **Dr. Sucharita Bhattacharyya**, Green Campus Initiative : Response from a Self-financed Educational Campus – A Case Study, Abstract is accepted in ICON 2017 to be held at Hyderabad, during 15-17 December, 2017.

• **Dr. Soma Mukherjee**: Frequency dependent conductivity and dielectric properties of LaMnO₃ doped Lead-Vanadate glasses with nanocrystalline phases, Abstract accepted in 105th ISC to be held in Manipur, during 16-20 March, 2018.

• **Anup Kumar Thander and Dr. Sucharita Bhattacharyya**, Optical Modal Analysis in H Field using Higher Order Compact (HOC) FDM in combination with Conjugate Gradient Method, presented in IEEE conference ICMAP 2018, held at IIT(ISM), Dhanbad during 9-11 February, 2018.

• **Sanjoy Biswas**, “ On the Hyperbolic Valued Measure” during 8-9 March 2018 presented at Emerging Trends in Electronic Devices and Computational Techniques (EDCT) held at Guru Nanak Institute Of Technology.

• **Arnab Dey, Bipul Nath, Biplab Mandal, Rajarshi Chakraborty** : New approach of a Conceptual Solar Thermal Steam Generator and its Design & Optimization during 8-9 March 2018 at Emerging Trends in Electronic Devices and Computational Techniques (EDCT) held at Guru Nanak Institute Of Technology.

DEPARTMENT: IT

• **Baisakhi Das**, Anupama Mondal, Salma Mandi, Nilanjana Das and Biplab K Sikdar, Evaluation of Misspeculation Impact on Chip-Multiprocessors Power Overhead; International Conference on Cognitive Informatics and Soft Computing (CISCom 2017), Nov 17 -18 , 2017, Bangkok, Thailand (Communicated)

• **Baisakhi Das**, Mamata Dalui, Anupama Mondal, Salma Mandi, Nilanjana Das and Biplab K Sikdar, Evaluation of Misspeculation Impact on Chip-Multiprocessors Power Overhead; International Conference on Software and Computer Application (ICSCA 2018), Feb 8 -10 , 2018, Malaysia .

- **Sudeep Ghosh, Surajit Kumar Roy, Hafizur Rahaman, Chandan Giri** “TSV Repairing for 3D ICs using Redundant TSV”; 7th International symposium on Embedded computing & system Design (ISED), December 18-20, 2017, NIT, Durgapur.
- **Mousimi Saha, Baisakhi Das and Biplab K Sikdar**; Periodic Boundary Cellular Automata Based Test Structure For Memory; 15th IEEE East-West Design & Test Symposium; Sept 29 - Oct 2, 2017; Novi Sad, Serbia.

DEPARTMENT: ECE

- **Avali Ghosh, Sisir K. Das, Annapurna Das**, “Analysis of Crosstalk in High Frequency Printed Circuit Boards in Presence of Via”, International Conference on Electromagnetics in Advanced Applications IEEE- APS Topical Conference on Antennas and Propagation in Wireless Communications 2017 , Verona, Italy, 11th to 15th September 2017.
- **Aditi Sengupta**, “Temperature Dependence of Microstrip Bandpass Filter For Extreme Climates”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Aditi Sengupta**, “Bandpass Filters using Multilayered Microstrip Structures”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Aditi Sengupta**, “Analysis and Design of Interactive Automated Platform”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Antara Ghosal**, “A Multi Frequency square patch antenna for mobile communication application”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Antara Ghosal**, “Design of a Multifrequency Slotted Circular Patch Antenna for Wireless Communication and Effect of”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Antara Ghosal**, “A e-Shaped Slotted Patch Antenna for Mobile Communication”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Soma Boral, Arun Kumar Mondal**, “Performance of Packet Transmission in MIMO Ad Hoc Network using Co-operative relay”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018..

- **Avali Banerjee Ghosh** , “Analysis of Multi-conductor Transmission Lines”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Anurima Majumdar**, “Design of a Multifrequency Slotted Circular Patch Antenna for Wireless Communication”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Anurima Majumdar**, “A Multi Frequency square patch antenna for mobile communication application ”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Anurima Majumdar**, “A CPW fed antenna for millimeter wave applications”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Suparna Biswas**, “Face Recognition using Fusion of Spatial and Temporal features”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Palasri Dhar**, “Two dimensional mobility in Indium Phosphide (InP) single quantum well and Indium Arsenide (InAs) single quantum well : A comparative study”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Dr.Sunipa Roy**, “A comparative study on Alcohol sensing Performance of ZnO nanoflower based Resistive sensor”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), 2018, 8-9 March 2018.
- **Dr.Sunipa Roy**, “A new Gated Ground Architecture for Ulte Low Leakage of 6T-SR AM cell”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.

DEPARTMENT: EE

- **Suman Ghosh, Prof. Dr. J K Das, Prof Dr. Chandan Kr. Chanda** “Real Value Cost Analysis of 5KWp Solar Photovoltaic Power Plant: A Case Study” 6th International Conference on Computing, Communication and Sensor Network, CCSN2017, 31st dec, 2017.

- **Rikta Majumder**, Surajit Biswas, Debasis Agasti, Sukhdev Dolui “Micro-controller Based Over Current Relay Using Hall Effect Current Sensor” International conference on Emerging Trends in Electronic Devices and Computational Techniques. , 9th March, 2018.
- **Rikta Majumder**, Debasis Agasti, Arpan Lahiri “Controlling of mobile car robots using IR sensors and a tripple axis magnetometer” International conference on Emerging Trends in Electronic Devices and Computational Techniques. , 9th March, 2018.
- **Anindita Ganguly** “Hybrid function based design of unidentified input observer presented at ACODS and International Federation of Automatic Control” Hyderabad, International Conference 18th-22nd Feb, 2018.
- **Anindita Ganguly** “Analysis of time-delayed non-linear equations using HF functions “ ICMMS, Indore International Conference July 2018

DEPARTMENT: AEIE

- **Bapita Roy, Saikat Majumder Prof. Dr. Rajib Chakraborty**, "A theoretical study of the loss characteristics of a multilayer Metal/ Dielectric/ Metal Tamm Plasmon waveguide", published in International Conference on Advances in Optics and Photonics (XLI Conference of Optical Society of India), ICAOP2017, 23rd – 26th Nov 2017.
- **Deboleena Sadhukhan**, Jayita Datta, Saurabh Pal, Madhuchhanda Mitra 2017, "Automated identification of Myocardial Infarction using a single Vector cardiographic feature", published in Proc. of International Conference on Modeling and Simulation - Kolkata Published by AMSE In Collaboration with IET-UK Kolkata Local Network. November 4-5, 2017.
- **Paramita Banerjee¹ , Ratna Ghosh², Bhaswati Goswami²**, “Change of length of L arm of a RFA based dental implant stability measuring sensor based on dominant mode of vibratio”, 1st International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT-2018) organized by the Department of ECE, GNIT on 8-9th March, 2018.

National Journal

DEPARTMENT: ASH

- **Dr. Sucharita Bhattacharyya** : Numerical Study in Optical Wave-Guide Communication: A Different Approach published in Proceedings of National Conference on Modern Trends in Physics (NCMTP 2017) with ISBN : 978-93-86675-29-3 on February 2018.

Students Publication Details

National Seminar/Conference

DEPARTMENT: FT

- **Riya Dasgupta..Rupsa Roychowdhury (2017)**. Banana Peel Muffin: A great way of waste utilization, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Pritika Prasad,(2017)**, Prostuti Chakravorty Processing of Jackfruit seed flour, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Urmi Sarkar, Aurik Bairagi. (2017)**. Qualitative analysis of Coffee Yoghurt, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Prostuti Chakravorty, Pritika Prasad. (2017)**. Preparation and Characterization of Fortified Yogurt, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Rupsa Roychoudhury, Riya Dasgupta (2017)** “Utilization of Whey Protein to Enhance The Nutritional Quality of Biscuit”-Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5th August, 2017.
- **Suparna Mukherjee, Srijanee Biswas (2017)** “Anthocyanins: Sources, Application, antioxidant activity and its role as biocolor”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.

- **Akash Kusum Maity, Khushi Maheshwari (2017)** “Freeze dried Jamun Powder fortified lassi: Source of nutraceuticals”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Amit Saha, Debadri Bhowmick (2017)** “Quercetin Fortified Skimmed Milk”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Reema Ghosh, Prithweejit Bhattacharyya and Prankur Thakur (2017)** “Nutraceuticals- The pharmaceutical super foods”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Pritika Prasad and Soumyadeb Bhattacharyya (2017)** “Nutraceutical Analysis of Jackfruit Seeds”-Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22nd November, 2017.
- **Nilanjana dey & Ankita dutta (2018)** “Applications of industrial tea waste”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25th March, 2018.
- **Srijanee Biswas & Suparna Mukherjee (2018)** “Oxidative Stability of Vegetable Oils during Frying” Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25th March, 2018.
- **Suravi Chakraborty, Chandralekha Bhowmik (2018)** “Fenugreek seed: an oxidative stability enhancer of soybean Oil during frying”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25th March, 2018.

• **Neha Jaiswal & Aurik Bairagi (2018)** “A safer pathway to preserve fish-no more formaldehyde”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25th March, 2018.

DEPARTMENT: EE

• **Suvam Pal, Sayandeep Nayak, Sourish Bhattacharya,**”Hybrid Inverterwith Solar Battery Charging”, FOSET, March, 2018.

• **Sayan Saha, Subhadip Som, Sourav Kumar,**”True Ultra-Fast Electronic Solid-state Circuit Breaker”, FOSET, March, 2018.

• **Abhishek Mondal, Arijit Sinha, Ambar Ghosh, Biswajit Pal,**”Open Loop Speed Control of Chopper Fed DC Motor”, FOSET, March, 2018.

• **Himadri Shekhar Mondal, Subharup Chakraborty, Sujoy Bhattacharjee, Sumer Raj Verma,**”Dual Axis Solar Tracker”, FOSET, March, 2018.

• **Piu Mishra, Biswasdip Paul,** “Design of a Voice Controlled JCB Pulley Used For Remote Sensing”, FOSET, March, 2018.

• **Somnath Bhattacharya, Saikat Bera, Subarna Das, Subrata kr. Paul,** “Induction Motor Protection System”, FOSET, March, 2018.

• **Ritam Roy, Soudip Mal, Sounak Ghosh, Rikta Majumdar,** “Intelligent Energy Saving System”, FOSET, March, 2018.

• **Vandana Rani, Vicky Paswan, Soyel Ghosh, Madhumita Chakraborty,** “Foot Step Power Generation using Piezoelectric Effect”, FOSET, March, 2018.

• **Sourav Sarkar, Rohan Pal, Shouvik Sarma Chowdhury, Rikta Majumdar,** “Smart Surveillance System Using Passive Infrared Sensor”, FOSET, March, 2018.

• **Purabi Majumder, Souvik Biswas, Susovan Dutta,**”GSM Based Fire Alarm System”, FOSET, March, 2018

DEPARTMENT: FT

- **Shramana Bhattacharyya, and Sreemoyee Moitra**, Potential Application of Milk and Milk Products as Carrier for Herbs and Spices: A Review and International Journal of Engineering Research and Science & Technology, 6(1): 114-125, (2017) ISSN 2319 – 5991, Impact Factor: 1.09.
- **Arunima Mukherjee, Bornini Banerjee, Shubham Mukherjee**, Utilization of Banana Peel and Pulp as a Functional Ingredient in Product Development: A Review, Arunima Mukherjee, Bornini Banerjee, Shubham Mukherjee and, International Journal of Engineering Research and Science & Technology, 6(1): 137-148, (2017), ISSN 2319 – 5991, Impact Factor: 1.09.
- **Bornini Banerjee and Shubham Mukherjee**, Banana peel wastes: potential source of antioxidant in banana chips, International Journal of Agricultural Science and Research (IJASR), 7(2): 73-80, (2017) ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; Impact Factor (JCC): 4.8136; NAAS Rating: 4.13; IBI Factor: 3.2
- **Urmi Sarkar and Shreosi Das**, Evaluation of Rheological, Physicochemical and Sensory Properties of low Calorie Coffee Yogurt The Pharma Innovation Journal, 6(7): 106-109 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Bornini Banerjee and Shubham Mukherjee**, Potential of raw banana peel as a source of polyphenol in muffins The Pharma Innovation Journal, 6(10): 40-43 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Suravi Chakraborty**, Change in physicochemical properties of edible oil during frying: A review, The Pharma Innovation Journal, 6(10): 196-199 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Riya Dasgupta, Abhijit Ghosh, Poulami Mitra, Tania Paul and Abhik Dutta**, Nutraceutical Potential Of Some Rare Fruits & Vegetables: A Review, The Pharma Innovation Journal, 6(10): 421-424 (2017), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Chandralekha Bhowmik, Prostuti Chakravorty, Rupsa Roychowdhury, Shubhapriya Samanta and Manasi Roy**, Utilization of Various Seeds: A Review, The Pharma Innovation Journal, (Accepted), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03.

• **Anusree Modak**, Studies on Extraction of Polyphenols from Food Wastes and its Utilization for Fortification of Polyphenols: International Journal of Agricultural Engineering, ISSN (E): 0976-7223, ISSN (P): 0974-2662, NAAS Rating 4.43.

DEPARTMENT: IT

• **Ashutosh Debnath, Ankita Paul, Chayan Chattopadhyay, Saheli Hazra, Sumit Kumar Singh** “Hybrid Routing Approach Depending on Different Message Types in VANET” International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol-3, issue-5, pp 335-338 Technology. Indexing in Google Scholar, Citeseer, ICI. ISSN: 2456-3307.

• **Ashutosh Debnath, Chayan Chattopadhyay, Sumit Kumar Singh** “A Comparative Study of Different Emerging Routing Protocols in VANET” Singh International Journal of Emerging Technologies in Engineering Research (IJETER). Vol 6, issue-5, pp-129-134. Thomson & Reuters research ID-H-8878-2016. ISSN: 2456-3307.

• **Rohan Rajak** “A New Approach For TSV Based 3D-SIC Testing” International Journal of Emerging Technologies in Engineering Research (IJETER). Google scholar, Thompsons & Reuters Research ID: H-8878-2016. (Accepted). ISSN: 2319-3778.

• **Rohan Rajak** “Faulty TSVs Repairing using Redundant TSVs” International Journal for Research in Applied Science and Engineering Technology (IJRASET). Thomson Reuters Research ID: N-9681-2016 Scientific Journal Impact Factor: 6.887 ISRA Journal Impact. (Accepted). ISSN: 2321-9653.

DEPARTMENT: CSE

• **Sayanjit Dey, Sukalpa Dey, Sourish Mitra**, “An Innovative Micro-Controller Based Crop Recommender Using Soil Analysis and Weather Forecasting Technique” published on Journal of Engineering Research and Application, ISSN : 2248-9622, Vol. 8, Issue 5 (Part -V) May 2018, pp 38-41, (UGC approved) Impact factor: 5.179, 29th May, 2018. International Seminar/Conference

DEPARTMENT: FT

• **Riya Dasgupta (2018)** “Application of optical sensors in determination of light absorbent of purple cabbage fortified lime squash”- Abstract published in International Conference on “Emerging Trends in Electronic Device and Computational Techniques” Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.

DEPARTMENT: CSE

- **Susrut Banerjee, Moloy Dhar, Soumalya Sen,** "A Novel Technique to detect the number of ground vehicles along with respective speed of each vehicle from a given video" Abstract published in International Conference on "Emerging Trends in Electronic Device and Computational Techniques" Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.
- **Pritam Roy, Jui Saha, Nikkon Dutta, Sayani Chandra,** "Microcontroller based Automated Room Light and Fan Controller" Abstract published in International Conference on "Emerging Trends in Electronic Device and Computational Techniques" Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.
- **Sinthia Roy, Sukanya Rakshit** "Realization of Arithmetic Circuits-An Approach Towards Ternary Computing" Abstract published in International Conference on "Emerging Trends in Electronic Device and Computational Techniques" Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.
- **Soumalya Sen, Moloy Dhar, Susrut Banerjee,** "Implementation of Human Action Recognition using Image Parsing Techniques" Abstract published in International Conference on "Emerging Trends in Electronic Device and Computational Techniques" Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.
- **Rituparna Saha, Reshmi Dhole, Sanjukta Das, Riya Ghosh, Ratnika Dutta, Ipsita Saha,** "An Implementation of Urban Mobility Framework to design future Smart City", Abstract published in International Conference on "Emerging Trends in Electronic Device and Computational Techniques" Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.
- **Yogesh Singh, Ipsita Saha,** "Implementing Extended Producer Responsibility into the ERP model", Abstract published in International Conference on "Emerging Trends in Electronic Device and Computational Techniques" Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8th March, 2018.

DEPARTMENT: ECE

- **Abhishek Shaw, Arijeet Saha, Aparajita Bhagat, Sayan Roy Chowdhury,** Design of wireless charger using piezo sensor, ASICN 2017, Dr. Sudhir Sur Engg. College, Kolkata, October 2017.
- **Roma Singh, Roshan Jha, Palasri Dhar, Dr. Sunipa Roy,** Two dimensional mobility in InP Single Quantum Well and InAs Single Quantum well, RSA2017, Netaji Subhash Engg. College, August 2017.

- **Abhishek Shaw, Arijeet Saha, Aparajita Bhagat, Sayan Roy Chowdhury**, Wireless power transmission using piezo sensor, RSA2017, Netaji Subhash Engg. College, August 2017.

DEPARTMENT: ASH

- **Arnab Dey, Bipul Nath, Biplab Mondal and Rajarshi Chakraborty** in Emerging Trends in Electronic Devices and Computational Techniques held in March 2018 at GNIT “New Approach of a Conceptual Solar Thermal Steam Generator and its design optimization”.

DEPARTMENT: EE

- **Surajit Biswas, Debasish Agasti, Rikta Majumder, Sukhdev Dolui**, “Micro-controller Based Over Current Relay Using Hall Effect Current Sensor”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March, 2018
- **Debasish Agasti, Arpan Lahiri, Rikta Majumder**, “Controlling of mobile car robots using IR Sensor and a triple axis magnetometer”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March, 2018.
- **Piu Mishra, Biswasdip Paul, Mr. Kalyan Kumar Chakraborty**, “A Smart Method of Road Power Generation”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March, 2018.
- **Debasish Agasti, Arpan Lahiri, Bapita Roy**, “Optical Fibre Based Smart Illumination System”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March, 2018.
- **Arnab Dey, Bipul Nath, Biplab Mondal, Rajarshi Chakraborty**, “New Approach of a Conceptual Solar Thermal Steam Generator and its Design & Optimization”, International Conference on Engineering Trends in Electronic Devices and Computational Techniques, 9th March, 2018

DEPARTMENT: AEIE

- **Chanakya Fadikar, Indranil Acharya, Sanghamitra Layek, Santana Das**, “Design and Fabrication of Ultrasonic Pest Repellent”, 1st International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT-2018) organized by the Department of ECE, GNIT on 8-9th March, 2018.

Sports

GNIT organized Sardar Jodh Singh Memorial Challengers Trophy 2018 (SJSMCT), on 23 February 2018 where both students and staffs participated.



GNIT organized MAKAUT Zone III Cricket tournament 2018 from 6th February 2018.



Sports

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



GNIT Students Cricket Team won the Runner UP Cup MAKAUT Zone III Cricket Tournament 2018 during 6th – 9th February 2018



GNIT Students Cricket Team became the Champion of the state level Sri Deo Raj Memorial Tournament 2018 at Marine Engineering and Research Institute during 3-18 February 2018.



Other Institutional Activities

The British Deputy High Commissioner Kolkata, Mr. Bruce Bucknell mesmerized the packed house at Guru Nanak Campus through his presentation in an Interactive Session on Skill Development and Employability on 14th February 2018.



ACM ICPC Programming Contest 2017, the largest computer programming contest in the world in collaboration with NITTR, Kolkata, JIS University under the aegis of JIS Group, Direct I and Jet Brains organized by GNIT on 23rd and 24th December, 2017.



The Software edition Grand Finale of the Smart India Hackathon 2018, a national level technical event and a digital India initiative taken by the Govt. of India organized at GNIT during 30th & 31st March, 2018.



Cultural Fest

Annual Cultural Fest Zyzzva 2018 has been organized on 6th February 2018.



Technical Fest

TESSERACT 2018 – An Inter Collegiate Tech Fest organized by GNIT on 8th and 9th February, 2018.



Committees : 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

Committees : 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

Committees : 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

JIS Group Educational Initiatives

List of Participants in FDP, STTP, Hands on Session, Workshop

Sl. No.	Name of teacher who attended the program	Title of the program	Duration (from- to) (DD-MM-YYYY)
1	RAFIQUL ISLAM	ONE DAY NATIONAL WORKSHOP ON INTELLECTUAL PROPERTY RIGHT FOR SENCITIZING AND CREATING IP AWARENESS AMONG VARIOUS STAKEHOLDERS	25.08.2017
2	SRABANI KUNDU	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.6.2018
3	MOLOY DHAR	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
4	SAYANI CHANDRA	WORKSHOP ON "NBA - A TOOL FOR CONTINUOUS IMPROVEMENT"	23-10-2017
5	SAYAN ROY CHAUDHURI	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
6	DR. SUPARNA BISWAS	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
7	MR. SUSOVAN DUTTA	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
8	MR. SUMAN GHOSH	ONE WEEK STTP ON PLC	03-07-2017 - 07-07-2017
9	DR. SUCHARITA BHATTACHARYYA	STTP PROGRAM ON DISASTER MANAGEMENT- AN AWARENESS PROGRAM FOR POLYTECHNIC AND ENGINEERING COLLEGE TEACHERS, NITTR, KOLKATA.	24-07-2017
10	SANTANA DAS	ORGANIZED WORKSHOP ON "ELECTRONIC CIRCUIT DESIGN- 2017	26-10-2017 - 01-11-2017
11	PALASRI DHAR	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A	05.01.2018 - 10.01.2018

		MULTIDISCIPLINARY APPROACH	
12	AVALI BANERJEE	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
13	ANURIMA MAJUMDAR	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
14	SWAGATA BHATTACHARYA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
15	ADITI SENGUPTA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
16	ANTARA GHOSAL	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
17	KOUSHIK PAL	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
18	DR. SUNIPA ROY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
19	DR. ARUN KUMAR MONDAL	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
20	SUPARNA MAITY	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
21	PARAMITA BANERJEE	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
22	SUDIP KUILA	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
23	BAPITA ROY	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
24	JAYITA DATTA	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED	05.01.2018 - 10.01.2018

		ENGINEERING: A MULTIDISCIPLINARY APPROACH	
25	MR. SHIRSANKAR BASU	5 DAYS FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING USING R PROGRAMMING LANGUAGE	25.06.2018 - 29.06.2018
26	MISS PALLABI DAS	5 DAYS FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING USING R PROGRAMMING LANGUAGE	25.06.2018 - 29.06.2018
27	MR. NIRUPAM SAHA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING USING R PROGRAMMING LANGUAGE	25.06.2018 - 29.06.2018
28	MR. KOUSHIK ROY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING USING R PROGRAMMING LANGUAGE	25.06.2018 - 29.06.2018
29	MS. MANALI SARKAR	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
30	MR. SAYANTAN NATH	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
31	MS. RIYA DAS	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
32	MS. PRIANKA KUNDU	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
33	MS. SOUMITA SETH	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
34	MS. RUPA BASU MITRA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
35	MS. TUMPA PAL	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
36	MR. SANDIP TIGGA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
37	DR. PHATIK CHANDRA RAKSHIT	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
38	MISS IPSITA SAHA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
39	MS. BIDYUTMALA SAHA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON DATA WAREHOUSE	26.12.2017 - 30.12.2017
40	MS. SINTHIA ROY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON DATA WAREHOUSE	26.12.2017 - 30.12.2017

41	MS. POOJARINI MITRA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON DATA WAREHOUSE	26.12.2017 - 30.12.2017
42	MS. MAITRY CHAKRABORTY	5 DAYS FDP ON “VLSI DESIGN SING CADENCE”	08.01.2018 - 12.01.2018
43	MISS POULOMI NATH	5 DAYS FDP ON “VLSI DESIGN SING CADENCE”	08.01.2018 - 12.01.2018
44	MISS ROMILA DEVI RIZAL	5 DAYS FDP ON “RECENT TRENDS IN COMMUNICATION & WIRELESS NETWORKS”	25.06.2018 - 29.06.2018
45	MISS PRATITI ROY	5 DAYS FDP ON “RECENT TRENDS IN COMMUNICATION & WIRELESS NETWORKS”	25.06.2018 - 29.06.2018
46	MISS ANKITA GANGULY	5 DAYS FDP ON “VLSI DESIGN SING CADENCE”	08.01.2018 - 12.01.2018
47	MR. SOURAV DAS	5 DAYS FDP ON “VLSI DESIGN SING CADENCE”	08.01.2018 - 12.01.2018
48	MRS. SOMA MANNA	5 DAYS FDP ON “RECENT TRENDS IN COMMUNICATION & WIRELESS NETWORKS”	25.06.2018 - 29.06.2018
49	MS. JOYEETA BASU	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
50	DR. ADHISH KUMAR CHAKRABARTY	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	5.1.2018 - 10.1.2018
51	MR. INDRANIL KUSHARY	5 DAYS FDP ON CHALLENGES IN EVOLVING POWER SYSTEM	05.01.2018 - 09.01.2018
52	MR. KRISHNENDU SARKAR	5 DAYS FDP ON CHALLENGES IN EVOLVING POWER SYSTEM	05.01.2018 - 09.01.2018
53	MR. BIKRAM DUTTA	5 DAYS FDP ON CHALLENGES IN EVOLVING POWER SYSTEM	05.01.2018 - 09.01.2018
54	MISS PRIYANKA SHAW	5 DAYS FDP ON SMART PRACTICES TOWARDS TOMMORROWS ELECTRICITY PARADIGM.	21.06.2018 - 25.06.2018
55	MR. UTPAL KUMAR MANDAL	5 DAYS FDP ON SMART PRACTICES TOWARDS TOMMORROWS ELECTRICITY PARADIGM.	21.06.2018 - 25.06.2018
56	MR. RAJIB ROY	5 DAYS FDP ON SMART PRACTICES TOWARDS TOMMORROWS ELECTRICITY PARADIGM.	21.06.2018 - 25.06.2018
57	MR. SHANTANU NASKAR	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.18 - 25.06.2018

58	MR. USHNIK CHAKRABARTI	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
59	MS. ANURADHA GUHA	5 DAYS FDP ON CHALLENGES IN EVOLVING POWER SYSTEM	05.01.2018 - 09.01.2018
60	DR. PRABAL DEB	5 DAYS FDP ON SMART PRACTICES TOWARDS TOMMORROWS ELECTRICITY PARADIGM.	21.06.2018 - 25.06.2018
61	MRS. RIKTA MAJUMDER	5 DAYS FDP ON SMART PRACTICES TOWARDS TOMMORROWS ELECTRICITY PARADIGM.	21.06.2018 - 25.06.2018
62	MR. SHYAMAL KUMAR ROY	5 DAYS FDP ON CHALLENGES IN EVOLVING POWER SYSTEM	05.01.2018 - 09.01.2018
63	MS. RITUPARNA MUKHERJEE	5 DAYS FDP ON CHALLENGES IN EVOLVING POWER SYSTEM	05.01.2018 - 09.01.2018
64	MS. KAUSHIKI GOSWAMI	5 DAYS FDP ON FOOD INDUSTRY TRENDS	26.12.2017 - 30.12.2017
65	MS. SUJATA SARDAR	5 DAYS FDP ON FOOD INDUSTRY TRENDS	26.12.2017 - 30.12.2017
66	MR. AMAL DE	5 DAYS FDP ON FOOD SAFETY AND TECHNOLOGY	18.06.2018 - 22.06.2018
67	DR. CHAITALI CHAKRABORTY	5 DAYS FDP ON FOOD SAFETY AND TECHNOLOGY	18.06.2018 - 22.06.2018
68	DR. ANJU PAUL	5 DAYS FDP ON FOOD INDUSTRY TRENDS	26.12.2017 - 30.12.2017
69	MR. AMIT KUMAR BARMAN	5 DAYS FDP ON FOOD INDUSTRY TRENDS	26.12.2017 - 30.12.2017
70	DR. SUNITA ADHIKARI	5 DAYS FDP ON FOOD SAFETY AND TECHNOLOGY	18.06.2018 - 22.06.2018
71	MS. SHAONA DATTA	5 DAYS FDP ON FOOD INDUSTRY TRENDS	26.12.2017 - 30.12.2017
72	MR. TRIDIB CHAKRABORTY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING USING R PROGRAMMING LANGUAGE	25.06.2018 - 29.06.2018
73	MR. RIK DAS	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
74	MS. SMRITILEKHA DAS	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
75	MISS SUPARNA KARMAKAR	5 DAYS FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING USING R PROGRAMMING LANGUAGE	25.06.2018 - 29.06.2018
76	MR. SUDEEP GHOSH	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018

77	MRS. KARABI KONAR	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
78	MR. SAMRAT BANDYOPADHYAY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON DATA WAREHOUSE	26.12.2017 - 30.12.2017
79	MRS. PRAJNA PARAMITA RAY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
80	MRS. DOLA SAHA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
81	MISS SHARMISTHA DEY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON DATA WAREHOUSE	26.12.2017 - 30.12.2017
82	MISS DEBARATI DASS	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
83	MISS SOMALINA CHOWDHURY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING USING R PROGRAMMING LANGUAGE	25.06.2018 - 29.06.2018
84	MRS. SWATI SARKAR	5 DAYS FACULTY DEVELOPMENT PROGRAM ON DATA WAREHOUSE	26.12.2017 - 30.12.2017
85	MS. MOHONA CHATTERJEE	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
86	MS. BIDISHA TALUKDAR	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
87	MR. SANJOY BISWAS	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
88	MRS. SWAGATA DEBMALICK	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
89	MS. SOUMILI BHATTACHARYA	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
90	MR. ARINDAM SANTRA	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
91	MR. JOYDIP ROY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
92	MR. SOUMENDRA NATH LAHIRI	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018

93	MR. SADHAN CHANDA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
94	MR. BHASKAR SANTRA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
95	MR. SANDIP BANERJEE	5 DAYS FACULTY DEVELOPMENT PROGRAM ON ANDROID APP DEVELOPMENT	26.12.2017 - 30.12.2017
96	MR. TUSHAR KANTI BOSE	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
97	DR. SOMA MUKHERJEE	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
98	DR. ASHIS KUMAR DEY	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
99	MRS. SAMATA SAHA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
100	DR. SREYASREE BASU	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.6.2018
101	DR. MAINAK DEBNATH	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
102	MR. PRIYA RANJAN DAS	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
103	MR. TARUN SARKAR	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
104	MR. SUBHASIS SAHA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON IMAGE PROCESSING	25.06.2018 - 29.06.2018
105	MR. ANUPAL CHOWDHURY	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
106	MR. DEBANJAN BANERJEE	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018
107	TRISHITA GHOSH	5 DAYS FACULTY DEVELOPMENT PROGRAM ON DATA WAREHOUSE	26.12.2017 - 30.12.2017
108	DR. KAKALI BANDYOPADHYAY	5 DAYS FDP ON FOOD INDUSTRY TRENDS	26.12.2017 - 30.12.2017
109	DR. ANUP KUMAR THANDER	5 DAYS FDP ON BASIC ELECTRICAL, ELECTRONICS, MEASUREMENT, AND INSTRUMENTATION ENGINEERING	21.06.2018 - 25.06.2018

110	MS. MOUSUMI RAY	5 DAYS FDP ON FOOD SAFETY AND TECHNOLOGY	18.06.2018 - 22.06.2018
111	MR. SUMAN MAJUMDER	5 DAYS FDP ON CHALLENGES IN EVOLVING POWER SYSTEM	05.01.2018 - 09.01.2018
112	MR. RUPESH CHAKRABORTY	5 DAYS FDP ON “VLSI DESIGN SING CADENCE”	08.01.2018 - 12.01.2018
113	MR. SAMRAT BANERJEE	5 DAYS FDP ON RECENT RESEARCH TRENDS IN CONTROL, INSTRUMENTATION & ALLIED ENGINEERING: A MULTIDISCIPLINARY APPROACH	05.01.2018 - 10.01.2018
114	MR. SANDEEP KUMAR JHA	5 DAYS FACULTY DEVELOPMENT PROGRAM ON DATA WAREHOUSE	26.12.2017 - 30.12.2017

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