GNIT

GURU NANAK INSTITUTE OF TECHNOLOGY

STUDENTS' HANDBOOK

ACADEMIC YEAR 2022 - 2023

Vision of the Institute

To ignite young minds with creativity and empowering lives and educate them to produce a galaxy of young professionals of outstanding ability who can become leaders in their profession and 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

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- Student Discipline Committee
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GNIT at a Glance

Guru Nanak Institute of Technology (GNIT) was instituted with a vision of empowering the aspiring professionals with technological knowledge coupled with professional expertise. GNIT, established in 2003, 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.

This Technical Campus offers undergraduate and post graduate courses under MAKAUT and few of the courses are NBA accredited. The Institute, located at one of the prime locations in North Kolkata – Sodepur, is approved by AICTE and is accredited by UGC, NAAC.

The Institute offers latest technology-oriented dynamic courses, keeping in sync with the industry trends, and it nurtures creativity, innovation, and research initiatives both at faculty and students' level, to enrich and enhance the ever-evolving teaching-learning process. This approach equips the students to keep pace with the dynamic evolution and the constant changing demands of both science and technology--both in academics and in the work fraternity.

The trend setting academic endeavors of GNIT have produced some of the finest scholars and ace industry professionals. The college alumni are working creditably well and have brought fame and laurels for both the institute and for themselves.

GNIT commits itself to high standards of personal and intellectual integrity -- embraces the principles of freedom and rigor in scholarly inquiry, and asserts the importance of holding to the truths such inquiry reveals.

Message from the Principal's Desk

The enriching odyssey of teaching-learning process at Guru Nanak Institute of Technology began in 2003, under the aegis of JIS Educational Initiatives. At GNIT, all aspects of our educational processes are carefully designed to cultivate and stimulate the intellectual, social, and personal development of the most important stakeholders at this institution -- our students.

At our institute, we provide an atmosphere for multifaceted development where students are encouraged to channelize their potential in the pursuit of excellence. GNIT is committed to the complete development of a student; this includes academic knowledge, social skills, intellectual curiosity, and a special emphasis on self-discovery. While academic excellence is our major thrust, the college is also devoted to preparing students for life, groom them to face the challenges of tomorrow, and encourage them to be socially relevant.

We foster a positive spirit and believe in partnership between students, faculty, parents, and support staff striving to create a milieu that sustains excellence. Our distinction lies in the pursuit of high academic attainment through support, encouragement, praise, and motivation.

I heartily welcome you all to GNIT and wish you a very bright and an opulent career!

Prof (Dr) Santanu Kr. Sen
Principal, GNIT

Leadership & Management at GNIT

Prof(Dr.) Santanu Kumar Sen
The 1st Professional Engineer (P.Eng) in INDIA under Computer Science
Division from Institution of Engineers, India
B.E(CSE), M.Tech(CSE), MBA(IS), PhD(Engg), C.Eng(I), P.Eng(I), FIET(UK),FIE(I), FIEC(USA), FIETE(I), SMIEEE(USA), SMCSI, LMISTE, MACM(USA), FNBSP

Principal
Guru Nanak Institute of Technology

Prof(Dr.) Santanu Kr Sen has around 27 years of experience in the field of Computer Science and Engineering including 10 years in Industry and 19 years in Engineering Academia including Abroad.

*He is **the Board Member of West Bengal Joint Entrance Board (WBJEEB)since 2015**. His name was enlisted in the **Marquis Who's Who in the World in Science & Engineering for the year 2012**. He is the Recipient of many distinguished National and International Awards like **Rashtriya Shiksha Gourav Puroskar, Indira Gandhi Sadbhavna Award, Bharat Bibhushan Samman Puraskar** and many more…. He has **100+ Research Paper publications, 8 Patents** and multiple research grants from different government and non-government agencies. He executed several Industry projects in the country and abroad.*

Leadership & Management at GNIT

Prof. (Dr.) Arun Kr. Mondal
B.Tech in Radio physics and Electronics from CU, M.E in ETCE from JU, Ph.D in Engineering - ETCE, from JU,FIE(Fellow of The Institution of Engineers,India)

Controller of examination
Guru Nanak Institute of Technology

*Dr. Arun Kumar Mondal worked as an Executive Engineer of R&D Section in Sonodyne Electronics Co. Pvt. Ltd. over **11+ years** and also as an Assistant Manager (Tech. Purchase) and **Section head of ISO 9001 Audit Tea**m in Bells Control Ltd. Kolkata (An ISO 9001 certified company) from January 1996 to September 1999. He is working at Guru Nanak Institute of Technology, over **17+ years** in the field of Electronics & Communication Engineering. He is a renounced personality in Electronics field who achieved many distinguished **National and International Awards.** He has almost **50+ Research Paper publications**. He has published multiple no of **Patents**, **Book chapters and research grants** from different government and non-government agencies. Under his supervision **2 research scholars** are doing Ph.D work and one scholar is awarded the degree. As a Fellow he is an active member of **The Institution of Engineers, India.***

*Dr. Adhish Kumar Chakrabarty, presently the Registrar of Guru Nanak Institute of Technology, has been teaching engineering for **18+ years**. He has B.Tech in Instrumentation Engineering and holds a master's degree in Control System Engineering. He has received Ph.D for his research work in the area of Robust Model Reference Adaptive Control. His areas of interest in research are model reference adaptive control, and process control. He has worked as a reviewer for many international journals of repute. He has successfully completed a **project funded by UGC**. **His technical innovation has led to grant of patent.** He maintains that the undergraduate engineering students see the world of engineering through the pages of text books, which often results in good theoretical knowledge but little engineering skill. As a teacher he tries is to make engineers out of students, who have both knowledge and skill.*

Dr. Adish Chakroborty
B.Tech., M.Tech., Ph.D. (Tech.)

Registrar
Guru Nanak Institute of Technology

Leadership & Management at GNIT

Dr. Sunipa Roy
Senior Member, IEEE(USA)
Corporate Member IE (I),
Member of IEEE- Green Community, Member of IEEE (WE),
C.Engg (IE), Life Member, ISTE ,
Life Member, I2OR.
Member, Graphene Council
B.Tech(ECE), M.Tech(ECE), PhD(Engg), C.Eng(I)

Head of the Department
Department of Electronics & Communication Engineering
Guru Nanak Institute of Technology

Dr Sunipa Roy received her PhD degree from Jadavpur University, Electronics and Telecommunication Engineering department in 2014. She is the recipient of National scholarship from Govt of India, ***Junior research fellowship from DST Govt of India*** *and* ***Senior research Fellowship (Direct) from CSIR, Govt of India.*** *Her current research interest includes MEMS, Graphene, RRAM, Supercapacitor and Gas Sensors. Dr. Roy is the senior member of IEEE, IEEE Green community, IEEE Women's in Engineering, Special Member of I2OR, India, Corporate member of IE (India) and published* ***several patents and journals****. She is the* ***Institute Ambassador and mentor of Institutions innovation council of MHRD****. Dr Roy is the* ***Principal Investigator of several funded projects****.*

Dr. Sangeeta Bhattacharya
B.Tech. (CSE), M.Tech.(CSE), PhD(Engg.),

Head of the Department
Department of Computer Science and Engineering
Guru Nanak Institute of Technology

Dr. Sangeeta Bhattacharya has around 10+ ***years*** *of experience including 6+* ***years in academia*** *and 5* ***years of research experience****.*

She completed her Ph.D. from National Institute of Technology, Tiruchirappalli. She is a ***Gold Medallist and University Topper in M.Tech. under WBUT****. She has* ***published 10+ research papers in International Journals and Conferences****. Also, she is a* ***member of IEEE Society****. Dr. Bhattacharaya is the member of IEEE. She has published patents and acted as the session chair for many international conferences. She is the mentor of Institutions innovation council of MHRD. Presently, supervising one Ph.D. student under MAKAUT.*

Leadership & Management at GNIT

Dr. Sucharita Chakrabarti
B.Sc(Hons), M.Sc, Ph.D(Sc.)

Head of the Department
Department of Applied Science & Humanities
Guru Nanak Institute of Technology

*Dr. Sucharita Chakrabarti, present Head of the Department of Applied Science and Humanities. She has been teaching mathematics to undergraduate and post-graduate students of various disciplines for **19+ years**. After completion of B.sc (Hons.) and M.Sc in Mathematics, she has received Ph. D degree for her work in the area of Generalized Topological Spaces. She has also carried out research works in applying the techniques of graph theory in the analysis of crystals. She has also successfully completed **research project funded by UGC**. She is **life member of The Indian Statistical Institute (ISI), Kolkata**, **Life member of The Indian Science Congress, Life member of Calcutta Mathematical Society**.*

*Dr. Kakali Bandyopadhyay has around **21 years of teaching experience** in the field of Food Technology and allied field with more than **22 years of research experience**.*
*She has undertaken Research work as Senior **Research Fellow under CSIR, Govt. of India**. She has **50+ Research Paper publications, 4 Patents and multiple research grants** from different government and non-government agencies. She has brisk activities as the prestigious Member of **Indian Chamber of Commerce (ICC), Confederation of Indian Industries (CII), Oil Technologists' Association of India (OTAI), Public Service Commission, West Bengal (PSC, WB), Institute of Engineers (IE)** etc. She is the Doctoral Research Guide of a couple of Research Scholars and also associated with various universities like, Calcutta University, West Bengal University of Animal Sciences & Fisheries, Maulana Abul Kalam Azad University of Technology (MAKAUT), Bundelkhand University, Jhansi, Various Govt. Diploma colleges, Indian Institute of Packaging, MSME etc. in various positions. She has received "Teacher of the Year 2017" for the contribution in Teaching, Learning and Research by **MAKAUT** on 5th September, 2017*

Dr. Kakali Bandhapadhyay
B.Tech., M.Tech., Ph.D. (Tech.)

Head of the Department
Department of Food Technology
Guru Nanak Institute of Technology

Leadership & Management at GNIT

Mrs. Suparna Karmakar
B.Tech, M.Tech

Head of the Department
Department of Information Technology
Guru Nanak Institute of Technology

Ms. Suparna Karmakar, Head of the department, Dept of Information Technology, Guru Nanak Institute of Technology, has completed B.Tech in Information Technology, from WBUT (presently MAKAUT) in year of 2009, and M.TECH. in Information Technology from National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata in the year of 2011. She is currently pursuing PhD from Indian Institute of Information Technology, Kalyani. She is life time Member of Solar Energy Society of India(SESI). She has around 20 research paper in reputed journal and conferences and 2 patents. She has acted a reviewer of various reputed journals & conference She has more than nine years of academic experience and her current research interests includes Data Science , Petri Net Modelling Tools

Dr. Barnali Kundu, Head of the Department of Electrical Engineering, Guru Nanak Institute of Technology, Sodepur, Kolkata has more than 15 years teaching experience in the Academic Field. She has been awarded with a Doctoral Degree from Indian Institute of Engineering Science and Technology (IIEST), Shibpur, Howrah and has completed her Master of Engineering from Bengal Engineering and Science University (BESU), Shibpur, Howrah. She has served as a Research Fellow in the DST project in IIEST, Shibpur. She has published many research papers in Journals and conferences and won the Best Paper award. She has received project grants from AICTE and published 4 Indian patents. Dr. Kundu is a member of IEEE Power & Energy Society, Solar Energy Society of India (SESI) and also a fellow member of Institute of Engineers (India). She has organized International conferences, Faculty Development Programs, Technical Fest, Hands on Workshop, association with SESI and IE (I).

Dr. Barnali Kundu
B.Tech., ME., Ph.D. (Tech.)

Head of the Department
Department of Electrical engineering
Guru Nanak Institute of Technology

Leadership & Management at GNIT

Dr. Sucharita Bhattacharya
B.Sc. (Physics Hons.), M.Sc. (Physics), Ph.D. (Physics)
Post Ph.D. from ORNL, USA
Diploma
In-charge
Guru Nanak Institute of Technology

*Dr. Sucharita Bhattacharyya, Associate Professor of Physics, with **27+ years of experience** in the field of Physics and related area including Research & Developmental activities and teaching in Engineering college .*

*Dr. Bhattacharyya is a **Life Member of Indian Physical Society & recipient of National Awards** including **Merit Scholarships from Government of West Bengal and CSIR as well as DST Research Fellowship** from Government of India. She has around **40 Research publications in peer-reviewed journals and National & International Conferences and as Book chapters.** She has **been awarded research grants** from agencies like **UGC, AICTE, and DST, Government of India** to execute various Scientific Projects. She assisted research work in an **USA National Project** at Oak Ridge National Laboratory **with fellowship from University of Tennessee, USA**. As empaneled supervisor of MAKAUT. she guided successfully her research scholar to obtain his Ph. D. degree.*

Ms. Bapita Roy, the Head of the Department of Electronics & Computer Science . She is associated with GNIT since 2007. She completed her B.Tech in Instrumentation Engineering and M.Tech in Instrumentation & Control Engineering from department of Applied Physics , University of Calcutta. Currently engaged in her research work on Plasmonics Sensors Design in University of Calcutta. Her area of research is mainly focussed on the design and analyse the Surface Plasmon Based Integrated Optical Waveguide. She has several Scopus Indexed and SCI Journal publications and conference papers. Ms. Roy has a published patent in her area of research work in the year of 2018. She got a AICTE funding of Rs. 4.29 Lacs to conduct a STTP on "Green IoT for Green Environment" in the January 2021. Students are doing several Innovative projects under her guidance and participated in the several National Competition like AICTE Chattra Viswakarma, Smart India

Ms. Bapita Roy
M.Tech (Instrumentation & Control Engg.., C.U.), B.Tech (Instrumentation Engg., C.U.), MIE(I)

Head of the Department
Department of Electronics and Computer Science
Guru Nanak Institute of Technology

Leadership & Management at GNIT

Mr. Chiranjeeb Dutta
B.Sc. (Mathematics Hons.), MCA, ME(CSE),
MCSI, MCEGR

Head of the Department
Department of Computer Application
Guru Nanak Institute of Technology

Mr Chiranjib Dutta has around 17+ years of experience in the domain of Computer Applications and Computer Science including Industry and Academia.

He is the SPOC of NPTEL Local Chapter (MHRD, Govt. of India) at Guru Nanak Institute of Technology and also the Coordinator of Internshala (official internship partner of AICTE). He is a member of Academic Council, GNIT. He has been appointed as Head examiner, Paper Setter, Evaluator, Moderator, External Examiner by several Universities like MAKAUT, Vidyasagar University, IGNOU, PTU etc. He is also an empanelled Observer of NTA (MHRD, Dept. of Higher Education, Govt. of India)

He has 6 Research Paper publications, and n Patents. He has under gone several FDPs and STTPs throughout his career.

Academic Calendar of the Institute

GURU NANAK INSTITUTE OF TECHNOLOGY

ACADEMIC CALENDAR
Academic Session 2022 - 2023 Odd Semester

Day	Month	Day	Routine Activity (2nd, 3rd, 4th year)	Routine Activity (1st Year)	Particulars
1	1st July, 2022	Friday	Semester Break	Semester Break	
2	2nd July	Saturday	Semester Break	Semester Break	
3	3rd July	Sunday	Semester Break	Semester Break	
4	4th July	Monday	Semester Break	Semester Break	
5	5th July	Tuesday	Semester Break	Semester Break	
6	6th July	Wednesday	Industrial Training/Internship for 5th, 7th Sem	Semester Break	
7	7th July	Thursday	Industrial Training/Internship for 5th, 7th Sem	Semester Break	
8	8th July	Friday	Industrial Training/Internship for 5th, 7th Sem	Semester Break	
9	9th July	Saturday	Industrial Training/Internship for 5th, 7th Sem	Weekly off	Weekly off
10	10th July	Sunday	Weekly off	Weekly off	Weekly off
11	11th July	Monday	Teaching Day 1		Commencement of3rd, 5th, 7th sem/FDP
12	12th July	Tuesday	Teaching Day 2		(3rd, 5th and 7th Semester) / FDP
13	13th July	Wednesday	Teaching Day 3		(3rd, 5th and 7th Semester) / FDP
14	14th July	Thursday	Teaching Day 4		(3rd, 5th and7th Semester) / FDP
15	15th July	Friday	Teaching Day 5		(3rd, 5th and 7th Semester) / FDP
16	16th July	Saturday	Weekly off	Weekly off	(3rd, 5th and 7th Semester)
17	17th July	Sunday	Weekly off	Weekly off	Weekly off
18	18th July	Monday	Teaching Day 6		Registration for ongoing batch 3rd,5th & 7th Semester/

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Day	Month	Day	Routine Activity (2nd, 3rd, 4th year)	Routine Activity (1st Year)	Particulars
1	1st July, 2022	Friday	Semester Break	Semester Break	
2	2nd July	Saturday	Semester Break	Semester Break	
3	3rd July	Sunday	Semester Break	Semester Break	
4	4th July	Monday	Semester Break	Semester Break	
5	5th July	Tuesday	Semester Break	Semester Break	
6	6th July	Wednesday	Industrial Training/Internship for 5th, 7th Sem	Semester Break	
7	7th July	Thursday	Industrial Training/Internship for 5th, 7th Sem	Semester Break	
8	8th July	Friday	Industrial Training/Internship for 5th, 7th Sem	Semester Break	
9	9th July	Saturday	Industrial Training/Internship for 5th, 7th Sem	Weekly off	Weekly off
10	10th July	Sunday	Weekly off	Weekly off	Weekly off
11	11th July	Monday	Teaching Day 1		Commencement of3rd, 5th, 7th sem/FDP
12	12th July	Tuesday	Teaching Day 2		(3rd, 5th and 7th Semester) / FDP
13	13th July	Wednesday	Teaching Day 3		(3rd, 5th and 7th Semester) / FDP
14	14th July	Thursday	Teaching Day 4		(3rd, 5th and7th Semester) / FDP
15	15th July	Friday	Teaching Day 5		(3rd, 5th and 7th Semester) / FDP
16	16th July	Saturday	Weekly off	Weekly off	(3rd, 5th and 7th Semester)
17	17th July	Sunday	Weekly off	Weekly off	Weekly off
18	18th July	Monday	Teaching Day 6		Registration for ongoing batch 3rd,5th & 7th Semester/

51	20th Aug	Saturday	Weekly off	Weekly off	Weekly off
52	21st Aug	Sunday	Weekly off	Weekly off	Weekly off
53	22nd Aug	Monday	Teaching Day 28		Allocation of project to students
54	23rd Aug	Tuesday	Teaching Day 29		
55	24th Aug	Wednesday	Teaching Day 30		Allocation of Assignment 1 for 3rd, 5th and 7th Sem
56	25th Aug	Thursday	Teaching Day 31		Evaluation of submitted Innovative Idea Proposal at Deptlevel
57	26th Aug	Friday	Teaching Day 32		Evaluation of submitted Innovative Idea Proposal at Deptlevel
58	27th Aug	Saturday	Weekly off	Weekly off	Weekly off
59	28th Aug	Sunday	Weekly off	Weekly off	Weekly off
60	29th Aug	Monday	Teaching Day 33		
61	30th Aug	Tuesday	Teaching Day 34		
62	31st Aug	Wednesday	Teaching Day 35		
63	1st Sept	Thursday	Teaching Day 36		
64	2nd Sept	Friday	Teaching Day 37		Evaluation of submitted Innovative Idea Proposal at Institute level
65	3rd Sept	Saturday	Weekly off	Weekly off	Evaluation of submitted Innovative Idea Proposal at Institute level
66	4th Sept	Sunday	Weekly off	Weekly off	Weekly off
67	5th Sept	Monday	Teaching Day 38		Monthly ReviewMeeting
68	6th Sept	Tuesday	Teaching Day 39		Submission of Assignment 1 for 3rd, 5th and 7th Sem
69	7th Sept	Wednesday	Teaching Day 40		Unit Test 1 for 3rd,5th and 7th Sem
70	8th Sept	Thursday	Teaching Day 41		Unit Test 1 for 3rd,5th and 7th Sem
71	9th Sept	Friday	Teaching Day 42		Unit Test 1 for 3rd,5th and 7th Sem

72	10th Sept	Saturday	Weekly off	Weekly off	Technical Seminar /Work Shop – ECE , IT, CSE
73	11th Sept	Sunday	Weekly off	Weekly off	Weekly off
74	12th Sept	Monday	Teaching Day 43		
75	13th Sept	Tuesday	Teaching Day 44		
76	14th Sept	Wednesday	Teaching Day 45		(Tentative and subject to change depending on decision of regulatory bodies) Induction Programme for 1st Semester
77	15th Sept	Thursday	Teaching Day 46		
78	16th Sept	Friday	Teaching Day 47		
79	17th Sept	Saturday	Holiday	Holiday	Viswakarma Puja
80	18th Sept	Sunday	Weekly off	Weekly off	Weekly off
81	19th Sept	Monday	Teaching Day 48		
82	20th Sept	Tuesday	Teaching Day 49		Induction Programme for 1st Semester/ Publication of Unit Test 1 Result for 3rd,5th and 7th Sem
83	21st Sept	Wednesday	Teaching Day 50		
84	22nd Sept	Thursday	Teaching Day 51		
85	23rd Sept	Friday	Teaching Day 52		
86	24th Sept	Saturday	Weekly off	Weekly off	Weekly off
87	25th Sept	Sunday	Holiday	Holiday	Mahalaya
88	26th Sept	Monday	Teaching Day 53		Review of Project/ Commencement of 1st Semester
89	27th Sept	Tuesday	Teaching Day 54	Teaching Day 1	Review of Project Webinar from Alumni Corner/ Induction Programme for 1st Semester

90	28th Sept	Wednesday	Teaching Day 55	Teaching Day 2	Allocation of Assignment 2 for 3rd,5th and 7th Sem/ Webinar from AlumniCorner/ Induction Programme for 1st Semester
91	29th Sept	Thursday	Teaching Day 56	Teaching Day 3	Induction Programmefor 1stSemester
92	30th Sept	Friday	Teaching Day 57	Teaching Day 4	Induction Programmefor 1stSemester
93	1st Oct	Saturday	Holiday	Holiday	Durga Puja
94	2nd Oct	Sunday	Holiday	Holiday	Durga Puja/Gandhi Jayanti
95	3rd Oct	Monday	Holiday	Holiday	Durga Puja
96	4th Oct	Tuesday	Holiday	Holiday	Durga Puja
97	5th Oct	Wednesday	Holiday	Holiday	Durga Puja
98	6th Oct	Thursday	Holiday	Holiday	Durga Puja
99	7th Oct	Friday	Holiday	Holiday	Durga Puja
100	8th Oct	Saturday	Holiday	Holiday	Durga Puja
101	9th Oct	Sunday	Holiday	Holiday	Laxmi Puja
102	10th Oct	Monday	Holiday	Holiday	Fatedohaj
103	11th Oct	Tuesday	Teaching Day 58	Teaching Day 5	Induction Programme for 1stSemester
104	12th Oct	Wednesday	Teaching Day 59	Teaching Day 6	Monthly Review Meeting /InductionProgramme for 1st Semester
105	13th Oct	Thursday	Teaching Day 60	Teaching Day 7	Induction Programme for 1stSemester
106	14th Oct	Friday	Teaching Day 61	Teaching Day 8	Induction Programme for 1stSemester
107	15th Oct	Saturday	Weekly off	Weekly off	Technical Seminar /Work Shop – BS &HU, EIE
108	16th Oct	Sunday	Weekly off	Weekly off	Weekly off
109	17th Oct	Monday	Teaching Day 62	Teaching Day 9	Induction Programme for 1stSemester
110	18th Oct	Tuesday	Teaching Day 63	Teaching Day 10	
111	19th Oct	Wednesday	Teaching Day 64	Teaching Day 11	
112	20th Oct	Thursday	Teaching Day 65	Teaching Day 12	
113	21st Oct	Friday	Teaching Day 66	Teaching Day 13	Submission of Assignment 2 for 3rd,5th and 7th Sem
114	22nd Oct	Saturday	Weekly off	Teaching Day 14	Weekly off
115	23rd Oct	Sunday	Weekly off	Weekly off	Weekly off
116	24th Oct	Monday	Holiday	Holiday	Kali Puja
117	25th Oct	Tuesday	Holiday	Holiday	Kali Puja
118	26th Oct	Wednesday	Holiday	Holiday	Diwali
119	27th Oct	Thursday	Holiday	Holiday	Bhatridwitya
120	28th Oct	Friday	Teaching Day 67	Teaching Day 15	Submission of Requisition for Infrastructure andManpower

121	29th Oct	Saturday	Weekly off	Weekly off	Parent-Teacher Meeting
122	30th Oct	Sunday	Holiday	Holiday	Chhat Puja
123	31st Oct	Monday	Teaching Day 68	Teaching Day 16	
124	1st Nov	Tuesday	Teaching Day 69	Teaching Day 17	Registration for 1st Semester
125	2nd Nov	Wednesday	Teaching Day 70	Teaching Day 18	Registration for 1st Semester
126	3rd Nov	Thursday	Teaching Day 71	Teaching Day 19	Registration for 1st Semester
127	4th Nov	Friday	Teaching Day 72	Teaching Day 20	Innovative Idea competition of all Dept/ Registration for 1st Semester Monthly Review Meeting/ Registration for 1st Semester
128	5th Nov	Saturday	Weekly off	Teaching Day 21	Weekly off/ Registration for 1st Semester
129	6th Nov	Sunday	Weekly off	Weekly off	Weekly off
130	7th Nov	Monday	Teaching Day 73	Teaching Day 22	Registration for 1st Semester
131	8th Nov	Tuesday	Holiday	Holiday	Guru Nanak BirthDay
132	9th Nov	Wednesday	Teaching Day 74	Teaching Day 23	Allocation of Assignment 1 for 1st Sem, 3rd Sem/ Registration for 1st Semester
133	10th Nov	Thursday	Teaching Day 75	Teaching Day 24	Registration for 1st Semester
134	11th Nov	Friday	Teaching Day 76	Teaching Day 25	Final Evaluation of Innovative Ideacompetition
135	12th Nov	Saturday	Weekly off	Teaching Day 26	Weekly off
136	13th Nov	Sunday	Weekly off	Weekly off	Weekly off
137	14th Nov	Monday	Teaching Day 77	Teaching Day 27	Unit Test 2 for 3rd,5thand 7th Sem
138	15th Nov	Tuesday	Teaching Day 78	Teaching Day 28	Unit Test 2 for 3rd,5thand 7th Sem
139	16th Nov	Wednesday	Teaching Day 79	Teaching Day 29	Unit Test 2 for 3rd,5th and 7th Sem
140	17th Nov	Thursday	Teaching Day 80	Teaching Day 30	
141	18th Nov	Friday	Teaching Day 81	Teaching Day 31	
142	19th Nov	Saturday	Weekly off	Weekly off	Seminar / WorkShop – CA
143	20th Nov	Sunday	Weekly off	Weekly off	Weekly off
144	21st Nov	Monday	Teaching Day 82	Teaching Day 32	Submission of Assignment 1 for 1stSem, 3rd Sem
145	22nd Nov	Tuesday	Teaching Day 83	Teaching Day 33	JIS InnovationAward 2022

146	23rd Nov	Wednesday	Teaching Day 84	Teaching Day 34	Unit Test 1 for 1stSem , 3rdSem
147	24th Nov	Thursday	Teaching Day 85	Teaching Day 35	Unit Test 1 for 1stSem , 3rdSem
148	25th Nov	Friday	Teaching Day 86	Teaching Day 36	Unit Test 1 for 1stSem , 3rdSem
149	26th Nov	Saturday	Weekly off	Weekly off	Weekly off
150	27th Nov	Sunday	Weekly off	Weekly off	Weekly off
151	28th Nov	Monday	Teaching Day 87	Teaching Day 37	Publication of Unit Test 2 Result for 3rd,5th and 7th Sem
152	29th Nov	Tuesday	Teaching Day 88	Teaching Day 38	
153	30th Nov	Wednesday	Teaching Day 89	Teaching Day 39	Collection of 3rd,5thand 7th Sem Student feedback Examination FormFillup for 3rd, 5thand 7thSem
154	1st Dec	Thursday	Teaching Day 90	Teaching Day 40	Collection of 3rd,5thand 7th Sem Student feedback Examination FormFillup for 3rd, 5th and 7th Sem
155	2nd Dec	Friday	Teaching Day 91	Teaching Day 41	Examination FormFillup for 3rd, 5thand 7thSem Publication of Unit Test 1 Result for 1st Sem, ,3rd Sem
156	3rd Dec	Saturday	Weekly off	Teaching Day 42	Weekly off
157	4th Dec	Sunday	Weekly off	Weekly off	Weekly off
158	5th Dec	Monday	Practical Examination & Viva Voce for 3rd, 5th, 7th Sem	Teaching Day 43	Monthly ReviewMeeting
159	6th Dec	Tuesday	Practical Examination & Viva Voce for 3rd, 5th, 7th Sem	Teaching Day 44	
160	7th Dec	Wednesday	Practical Examination & Viva Voce for 3rd, 5th, 7th Sem	Teaching Day 45	
161	8th Dec	Thursday	Practical Examination & Viva Voce for 3rd, 5th, 7th Sem	Teaching Day 46	

162	9th Dec	Friday	Practical Examination & Viva Voce for 3rd, 5th, 7th Sem	Teaching Day 47	Allocation of Assignment 2 for 1st Sem, 3rd Sem
163	10th Dec	Saturday	Weekly off	Weekly off	Weekly off
164	11th Dec	Sunday	Weekly off	Weekly off	Weekly off
165	12th Dec	Monday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 48	
166	13th Dec	Tuesday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 49	
167	14th Dec	Wednesday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 50	
168	15th Dec	Thursday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 51	
169	16th Dec	Friday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 52	
170	17th Dec	Saturday	Theory Exam for 3rd, 5th, 7th Sem	Weekly off	
171	18th Dec	Sunday	Weekly off	Weekly off	Weekly off
172	19th Dec	Monday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 53	
173	20th Dec	Tuesday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 54	
174	21st Dec	Wednesday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 55	
175	22nd Dec	Thursday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 56	
176	23rd Dec	Friday	Theory Exam for 3rd, 5th, 7th Sem	Teaching Day 57	Submission of Assignment 2 for 1st Sem, 3rd Sem
177	24th Dec	Saturday	Theory Exam for 3rd, 5th, 7th Sem	Weekly off	
178	25th Dec	Sunday	Holiday	Holiday	Christmas Day
179	26th Dec	Monday	Vacation	Holiday	Vacation
180	27th Dec	Tuesday	Vacation	Holiday	Vacation
181	28th Dec	Wednesday	Vacation	Holiday	Vacation
182	29th Dec	Thursday	Vacation	Holiday	Vacation
183	30th Dec	Friday	Vacation	Holiday	Vacation
184	31st Dec	Saturday	Vacation	Holiday	Vacation
END OF YEAR 2022					

GURU NANAK INSTITUTE OF TECHNOLOGY
ACADEMIC CALENDAR
Academic Session 2022-2023 EvenSemester

01	1st January, 2023	Sunday	Holiday	Holiday	New Year Day
02	2nd January	Monday	TeachingDay 1(4th ,6th &8th Sem)	Teaching Day 63/1st Sem	Commencement of 4th, 6th & 8th Semester; VAC for 4th, 6th semester/ FDP Unit Test 2 for 1st Sem , 3rd Sem
03	3rd January	Tuesday	Teaching Day 2	Teaching Day 64	VAC for 4th, 6th semester / FDP Unit Test 2 for 1st Sem , 3rd Sem
04	4th January	Wednesday	Teaching Day 3	Teaching Day 65	VAC for 4th, 6th semester / FDP Unit Test 2 for 1st Sem , 3rd Sem
05	5th January	Thursday	Teaching Day 4	Teaching Day 66	VAC for 4th, 6th semester / FDP
06	6th January	Friday	Teaching Day 5	Teaching Day 67	VAC for 4th, 6th semester / FDP
07	7th January	Saturday	Weekly off	Weekly off	VAC for 4th, 6th semester / FDP
08	8th January	Sunday	Weekly off	Weekly off	Weekly off
09	9th January	Monday	Teaching Day 6	Teaching Day 68	Publication of Unit Test 2 Result for1st Sem, 3rd Sem
10	10th January	Tuesday	Teaching Day 7	Teaching Day 69	Examination Form Fill up for 1st Sem ,3rd Sem Collection of 1st 3rd Sem Student feedback
11	11th January	Wednesday	Teaching Day 8	Teaching Day 70	**Publication Of Odd Semester Result** Examination Form Fill up for 1st Sem , 3rd Sem Collection of 1st Sem, 3rd Sem Student feedback Annual Sports
12	12th January	Thursday	Holiday	Holiday	Swami Vivekananda Jayanti
13	13th January	Friday	Teaching Day 9	Teaching Day 71	Examination Form Fill up for 1st Sem, 3rd Sem
14	14th January	Saturday	Weekly off	Weekly off	Weekly off
15	15th January	Sunday	Weekly off	Weekly off	Weekly off
16	16th January	Monday	Teaching Day 10	Practical Examination & Viva Voce for 1stSem, 3rd Sem	

28	28th January	Saturday	Weekly off	Theory Exam for 1st Sem, , 3rd Sem	Weekly off
29	29th January	Sunday	Weekly off	Weekly off	Weekly off
30	30th January	Monday	Teaching Day 18	Theory Exam for 1st Sem, , 3rd Sem	
31	31st January	Tuesday	Teaching Day 19	Theory Exam for 1st Sem, , 3rd Sem	
32	1st Feb	Wednesday	Teaching Day 20	Semester Break	
33	2nd Feb	Thursday	Teaching Day 21	Semester Break	Monthly Review Meeting
34	3rd Feb	Friday	Teaching Day 22	Semester Break	Debate / GD/ PPT Competition
35	4th Feb	Saturday	Weekly off	Weekly off	Weekly off
36	5th Feb	Sunday	Weekly off	Weekly off	Weekly off
37	6th Feb	Monday	Teaching Day 23	Teaching Day 1	Commencement of 2nd Semester, 4th Sem Innovative Idea Proposal Submission at Dept
38	7th Feb	Tuesday	Teaching Day 24	Teaching Day 2	Innovative Idea Proposal Submission at Dept
39	8th Feb	Wednesday	Teaching Day 25	Teaching Day 3	Innovative Idea Proposal Submission at Dept
40	9th Feb	Thursday	Teaching Day 26	Teaching Day 4	
41	10th Feb	Friday	Teaching Day 27	Teaching Day 5	
42	11th Feb	Saturday	Weekly off	Weekly off	Technical Seminar / Work Shop –EE,CSE,FT
43	12th Feb	Sunday	Weekly off	Weekly off	Weekly off
44	13th Feb	Monday	Teaching Day 28	Teaching Day 6	Allocation of project to students
45	14th Feb	Tuesday	Teaching Day 29	Teaching Day 7	
46	15th Feb	Wednesday	Teaching Day 30	Teaching Day 8	Allocation of Assignment 1 for 4th, 6th, 8th Sem
47	16th Feb	Thursday	Teaching Day 31	Teaching Day 9	
48	17th Feb	Friday	Teaching Day 32	Teaching Day 10	Debate / GD/ PPT Competition Group League Matchesof SJS Volleyball Tournament for Students-SJSMVT] Group League Matchesof SJS Cricket Tournament for Staff-SJSMT
49	18 Feb	Saturday	Weekly off	Weekly off	Group League Matches of SJS Cricket Tournament for Staff-SJSMT

50	19th Feb	Sunday	Weekly off	Weekly off	Group League Matchesof SJS Cricket Tournament for Students-SJSMCT
51	20th Feb	Monday	Teaching Day 33	Teaching Day 11	Evaluation of submitted Innovative Idea Proposal at Dept level Group League Matchesof SJS Cricket Tournament for Students-SJSMCT Publication of 1st Sem and 3rd Sem Results
52	21st Feb	Tuesday	Teaching Day 34	Teaching Day 12	Evaluation of submitted Innovative Idea Proposal at Dept level Semifinal & final Matchesof SJS Volleyball Tournament for Students-SJSMVT
53	22nd Feb	Wednesday	Teaching Day 35	Teaching Day 13	Semifinal Matchesof SJS Cricket Tournament for Students-SJSMCT Semifinal Matchesof SJS Cricket Tournament for Staff-SJSMT
54	23rd Feb	Thursday	Teaching Day 36	Teaching Day 14	Final Matches of SJS Cricket Tournament for Students-SJSMCT Final Matchesof SJS Cricket Tournament for Staff-SJSMT
55	24th Feb	Friday	Teaching Day 37	Teaching Day 15	Submission of Assignment 1 for 4th, 6th, 8th Sem
56	25th Feb	Saturday	Weekly off	Weekly off	Weekly off
57	26th Feb	Sunday	Weekly off	Weekly off	Weekly off
58	27th Feb	Monday	Teaching Day 38	Teaching Day 16	
59	28th Feb	Tuesday	Teaching Day 39	Teaching Day 17	
60	1st Mar	Wednesday	Teaching Day 40	Teaching Day 18	Unit Test 1 for 4th, 6th, 8th Sem
61	2nd Mar	Thursday	Teaching Day 41	Teaching Day 19	Unit Test 1 for 4th, 6th, 8th Sem
62	3rd Mar	Friday	Teaching Day 42	Teaching Day 20	Unit Test 1 for 4th, 6th, 8th Sem Monthly Review Meeting
63	4th Mar	Saturday	Weekly off	Weekly off	Weekly off
64	5th Mar	Sunday	Weekly off	Weekly off	Weekly off
65	6th Mar	Monday	Teaching Day 43	Teaching Day 21	Evaluation of submitted Innovative Idea Proposal at Institute level
66	7th Mar	Tuesday	Teaching Day 44	Teaching Day 22	Evaluation of submitted Innovative Idea Proposal at Institute level
67	8th Mar	Wednesday	Holiday	Holiday	Doljatra
68	9th Mar	Thursday	Holiday	Holiday	Holi
69	10th Mar	Friday	Teaching Day 45	Teaching Day 23	
70	11th Mar	Saturday	Weekly off	Weekly off	Technical Seminar / Work Shop – ECE , IT, CSE
71	12th Mar	Sunday	Weekly off	Weekly off	Weekly off
72	13th Mar	Monday	Teaching Day 46	Teaching Day 24	

73	14th Mar	Tuesday	Teaching Day 47	Teaching Day 25	
74	15th Mar	Wednesday	Teaching Day 48	Teaching Day 26	
75	16th Mar	Thursday	Teaching Day 49	Teaching Day 27	
76	17th Mar	Friday	Teaching Day 50	Teaching Day 28	Publication of Unit Test 1 Result for 4th, 6th, 8th Sem
77	18th Mar	Saturday	Weekly off	Weekly off	Weekly off
78	19th Mar	Sunday	Weekly off	Weekly off	Weekly off
79	20th Mar	Monday	Teaching Day 51	Teaching Day 29	Review of Project
80	21st Mar	Tuesday	Teaching Day 52	Teaching Day 30	Review of Project
81	22nd Mar	Wednesday	Teaching Day 53	Teaching Day 31	
82	23rd Mar	Thursday	Teaching Day 54	Teaching Day 32	
83	24th Mar	Friday	Teaching Day 55	Teaching Day 33	Allocation of Assignment 1 for 2nd Sem, 4th Sem
84	25th Mar	Saturday	Weekly off	Weekly off	JIS SAMMAN 2023
85	26th Mar	Sunday	Weekly off	Weekly off	Weekly off
86	27th Mar	Monday	Teaching Day 56	Teaching Day 34	
87	28th Mar	Tuesday	Teaching Day 57	Teaching Day 35	
88	29th Mar	Wednesday	Teaching Day 58	Teaching Day 36	
89	30th Mar	Thursday	Teaching Day 59	Teaching Day 37	Tech Fest
90	31st Mar	Friday	Teaching Day 60	Teaching Day 38	Tech Fest
91	1st Apr	Saturday	Weekly off	Weekly off	Technical Seminar / Work Shop – BS & HU, EIE
92	2nd Apr	Sunday	Weekly off	Weekly off	Weekly off
93	3rd Apr	Monday	Teaching Day 61	Teaching Day 39	Submission of Assignment 1 for 2nd Sem, 4th Sem
94	4th Apr	Tuesday	Teaching Day 62	Teaching Day 40	Monthly Review Meeting Unit Test 1 for 2nd Sem, 4th Sem
95	5th Apr	Wednesday	Teaching Day 63	Teaching Day 41	Unit Test 1 for 2nd Sem, 4th Sem
96	6th Apr	Thursday	Teaching Day 64	Teaching Day 42	Unit Test 1 for 2nd Sem , 4th Sem
97	7th Apr	Friday	Holiday	Holiday	Good Friday
98	8th Apr	Saturday	Weekly off	Weekly off	Parent-Teacher Meeting
99	9th Apr	Sunday	Weekly off	Weekly off	Weekly off
100	10th Apr	Monday	Teaching Day 65	Teaching Day 43	
101	11th Apr	Tuesday	Teaching Day 66	Teaching Day 44	
102	12th Apr	Wednesday	Teaching Day 67	Teaching Day 45	

103	13th Apr	Thursday	Teaching Day 68	Teaching Day 46	Submission of Requisition for Infrastructure and Manpower
104	14th Apr	Friday	Holiday	Holiday	Birth day of Dr.B.R. Ambedkar
105	15th Apr	Saturday	Holiday	Holiday	Bengali New Year
106	16th Apr	Sunday	Weekly off	Weekly off	Weekly off
107	17th Apr	Monday	Teaching Day 69	Teaching Day 47	Allocation of Assignment 2 for 4th, 6th, 8th Sem
108	18th Apr	Tuesday	Teaching Day 70	Teaching Day 48	Publication of Unit Test 1 Result for 4th, 6th, 8th Sem
109	19th Apr	Wednesday	Teaching Day 71	Teaching Day 49	
110	20th Apr	Thursday	Teaching Day 72	Teaching Day 50	
120	21st Apr	Friday	Teaching Day 73	Teaching Day 51	
130	22nd Apr	Saturday	Holiday	Holiday	Idul Fitr
131	23rd Apr	Sunday	Weekly off	Weekly off	Weekly off
132	24th Apr	Monday	Teaching Day 74	Teaching Day 52	
133	25th Apr	Tuesday	Teaching Day 75	Teaching Day 53	
134	26th Apr	Wednesday	Teaching Day 76	Teaching Day 54	
135	27th Apr	Thursday	Teaching Day 77	Teaching Day 55	
136	28th Apr	Friday	Teaching Day 78	Teaching Day 56	Submission of Assignment 2 for 4th, 6th, 8th Sem
137	29th Apr	Saturday	Weekly off	Weekly off	Weekly off
138	30th Apr	Sunday	Weekly off	Weekly off	Weekly off
139	1st May	Monday	Holiday		May Day
140	2nd May	Tuesday	Teaching Day 79	Teaching Day 57	Unit Test 2 for 4th, 6th, 8th Sem
141	3rd May	Wednesday	Teaching Day 80	Teaching Day 58	Unit Test 2 for 4th, 6th, 8th Sem
142	4th May	Thursday	Teaching Day 81	Teaching Day 59	Unit Test 2 for 4th, 6th, 8th Sem Monthly Review Meeting
143	5th May	Friday	Holiday	Holiday	Buddha Purnima
144	6th May	Saturday	Weekly off	Weekly off	Seminar / Work Shop – CA
145	7th May	Sunday	Weekly off	Weekly off	Weekly off
146	8th May	Monday	Teaching Day 82	Teaching Day 60	Allocation of Assignment 2 for 2nd Sem, 4th Sem
147	9th May	Tuesday	Holiday	Holiday	Rabindra Jayanti
148	10th May	Wednesday	Teaching Day 83	Teaching Day 61	
149	11th May	Thursday	Teaching Day 84	Teaching Day 62	Cultural Fest
150	12th May	Friday	Teaching Day 85	Teaching Day 63	Cultural Fest
151	13th May	Saturday	Weekly off	Weekly off	Weekly off
152	14th May	Sunday	Weekly off	Weekly off	Weekly off

153	15th May	Monday	Teaching Day 86	Teaching Day 64	Publication of Unit Test 2 Result for 4th, 6th, 8th Sem
154	16th May	Tuesday	Teaching Day 87	Teaching Day 65	Examination Form Fill up for 8th Sem
					Collection of 4th, 6th, 8th Sem Student feedback
155	17th May	Wednesday	Teaching Day 88	Teaching Day 66	Examination Form Fill up for 8th Sem
					Collection of 4th, 6th, 8th Sem Student feedback
156	18th May	Thursday	Teaching Day 89	Teaching Day 67	Examination Form Fill up for 8th Sem
157	19th May	Friday	Teaching Day 90	Teaching Day 68	Examination Form Fill up for 8th Sem
158	20th May	Saturday	Weekly off	Weekly off	
159	21st May	Sunday	Weekly off	Weekly off	Weekly off
160	22nd May	Monday	Practical Examination & Viva Voce for 8th Sem	Teaching Day 69	Examination Form Fill up for 4th, 6th Sem
			Remedial Classes for 4th, 6th Sem		Submission of Assignment 2 for 2nd Sem, 4th Sem
161	23rd May	Tuesday	Practical Examination & Viva Voce for 8th Sem	Teaching Day 70	Examination Form Fill up for 4th, 6th Sem
			Remedial Classes for 4th, 6th Sem		
162	24th May	Wednesday	Practical Examination & Viva Voce for 8th Sem	Teaching Day 71	Examination Form Fill up for 4th, 6th Sem
			Remedial Classes for 4th, 6th Sem		Unit Test 2 for 2nd sem,4th Sem
163	25th May	Thursday	Practical Examination & Viva Voce for 8th Sem	Teaching Day 72	Examination Form Fill up for 4th, 6th Sem
			Remedial Classes for 4th, 6th Sem		Unit Test 2 for 2nd sem,4th Sem
164	26th May	Friday	Theory Exam for 8th Sem	Teaching Day 73	Examination Form Fill up for 4th, 6th Sem
			Remedial Classes for 4th, 6th Sem		Unit Test 2 for 2nd sem,4th Sem

165	27th May	Saturday	Theory Exam for 8th Sem	Weekly off	Weekly off
166	28th May	Sunday	Weekly off	Weekly off	Weekly off
167	29th May	Monday	Theory Exam for 8th Sem Remedial Classes for 4th, 6th Sem	Teaching Day 74	
168	30th May	Tuesday	Theory Exam for 8th Sem Remedial Classes for 4th, 6th Sem	Teaching Day 75	
169	31st May	Wednesday	Theory Exam for 8th Sem Remedial Classes for 4th, 6th Sem	Teaching Day 76	
170	1st June	Thursday	Theory Exam for 8th Sem Remedial Classes for 4th, 6th Sem	Teaching Day 77	
171	2nd June	Friday	Theory Exam for 8th Sem Remedial Classes for 4th, 6th Sem	Teaching Day 78	
172	3rd June	Saturday	Theory Exam for 8th Sem	Weekly off	Weekly off
173	4th June	Sunday	Weekly off	Weekly off	Weekly off
174	5th June	Monday	Practical Examination & Viva Voce for 4th , 6th Sem	Teaching Day 79	Monthly Review Meeting
175	6th June	Tuesday	Practical Examination & Viva Voce for 4th , 6th Sem	Teaching Day 80	Publication of Unit Test 2 Result for 2nd sem, 4th Sem
176	7th June	Wednesday	Practical Examination & Viva Voce for 4th	Teaching Day 81	Examination Form Fill up for 2nd Sem, 4th Sem Collection of 2nd Sem, 4th Sem Student feedback

177	8th June	Thursday	Practical Examination & Viva Voce for 4th	Teaching Day 82	Examination Form Fill up for 2nd Sem, 4th Sem Collection of 2nd Sem, 4th Sem Student feedback
178	9th June	Friday	Practical Examination & Viva Voce for 4th	Teaching Day 83	Examination Form Fill up for 2nd Sem, 4th Sem Collection of 2nd Sem, 4th Sem Student feedback
179	10th June	Saturday	Practical Examination & Viva Voce for 4th , 6th Sem	Weekly off	Weekly off
180	11th June	Sunday	Weekly off	Weekly off	Weekly off
181	12th June	Monday	Study Leave	Practical Examination & Viva Voce for 2nd Sem,	
181	13th June	Tuesday	Study Leave	Practical Examination & Viva Voce for 2nd Sem,	
182	14th June	Wednesday	Study Leave	Practical Examination & Viva Voce for 2nd Sem,	
183	15th June	Thursday	Study Leave	Practical Examination & Viva Voce for 2nd Sem,	
184	16th June	Friday	Theory Exam for 4th , 6th Sem	Practical Examination & Viva Voce for 2nd Sem,	
184	17th June	Saturday	Theory Exam for 4th , 6th	Weekly off	
185	18th June	Sunday	Weekly off	Weekly off	Weekly off

186	19th June	Monday	Theory Exam for 4th , 6th	Study Leave	
187	20th June	Tuesday	Theory Exam for 4th , 6th	Study Leave	
188	21st June	Wednesday	Theory Exam for 4th , 6th	Study Leave	National Conference
189	22nd June	Thursday	Theory Exam for 4th , 6th Sem	Theory Exam for 2nd Sem,	National Conference
190	23rd June	Friday	Theory Exam for 4th , 6th Sem	Theory Exam for 2nd Sem,	
190	24th June	Saturday	Theory Exam for 4th , 6th Sem	Theory Exam for 2nd Sem,	
191	25th June	Sunday	Weekly off	Weekly off	Weekly off
192	26th June	Monday	Theory Exam for 4th , 6th Sem	Theory Exam for 2nd Sem,	
193	27th June	Tuesday	Theory Exam for 4th , 6th Sem	Theory Exam for 2nd Sem,	
194	28th June	Wednesday	Theory Exam for 4th , 6th Sem	Theory Exam for 2nd Sem,	
195	29th June	Thursday	Theory Exam for 4th , 6th Sem	Theory Exam for 2nd Sem,	
196	30th June	Friday	Theory Exam for 4th , 6th Sem	Theory Exam for 2nd Sem,	Publication of 8th Sem Result

Admission Process at GNIT

B.Tech (CSE, ECE, ECS, EE, IT, FT)

4 Years B.Tech (GENERAL)

Eligibility Criteria:

Entrance Exam-**WBJEE/ JEE Mains/ CEE-AMPAI**

Educational Qualification: Candidates must have passed qualifying examination 10+2 level with Physics & Mathematics along with Chemistry/Bio/Comp Sc/Comp Application/Biotechnology as compulsory with individual pass marks (in both theory & practical) in all the 3 subjects as stated above in regular class mode & must have obtained 45% marks (40% for SC/ST/OBC-A,OBC-B,PwD) in the above three subjects taken together & passed English in the said qualifying examination.

3 years B.Tech (LATERAL ENTRY)

Eligibility Criteria:

Entrance Exam-**WBJELET**

Educational Qualification: Diploma/ B.Sc Degree (should have pass marks in Mathematics in 10+2 level) from any recognized University as defined by UGC having at 45% marks (40% for reserved category)

MCA

3 years UG Courses

Eligibility Criteria

Entrance Exam- **WBJECA/ AMPAI- Masters**
Educational Qualification:UGC and/or AICTE recognized Bachelor's degree (except BBA) of minimum 3years duration with Mathematics at 10+2 level or graduation level. Obtained 50% marks (45% marks for SC/ST/OBC-A/OBC-B candidates) at graduation level.

- *Direct Admission* → *Heading towards Registration Process*
- *Allotted through WBJECA / AMPAI-Masters Counselling* → Should have Allotment letter issued by WBJEE Board / AMPAI-Masters Counselling → *Heading towards Registration Process*

M.Tech (CSE, ECE)

3 years UG Courses

Entrance Exam- **GATE/ PGET/ AMPAI-Masters**

Educational Qualification:
For M.Tech in CSE : UGC and/or AICTE recognized B.Tech/BE degree holders in CSE, IT, MCA, M.Sc (CSE) or equivalent can apply.
For M.Tech in ECE: UGC and/or AICTE recognized B.Tech/BE degree holders in ECE can apply.

- *Direct Admission* → *Heading towards Registration Process*
- *Allotted through PGET / AMPAI-Masters Counselling* → Should have Allotment letter issued by MAKAUT/ AMPAI → *Heading towards Registration Process*

Registration Process for Application for Admission (Applicable for all the courses)

1.Visit our college website at **www.gnit.ac.in**
2.Click on the Admission 2021 (a blue coloured box appearing at the top right corner of the page)
3.Then click on "1. New Registration".
4.Enter your Name, Valid Mobile No. and email ID
5.An OTP will send to your above mentioned Mobile No and email ID
6.Enter the OTP and click on " Save and Continue"
7.Click on "Next" (if logged out then click on "2. Continue Partially Filled form 2021" then enter your Application ID and Password)

Application Form Fill up

Fill all the details like 'Course Details", Family Details', 'Academic details' and then upload your photo and required documents as per the specified format and size and submit the application form.

Final Admission Process

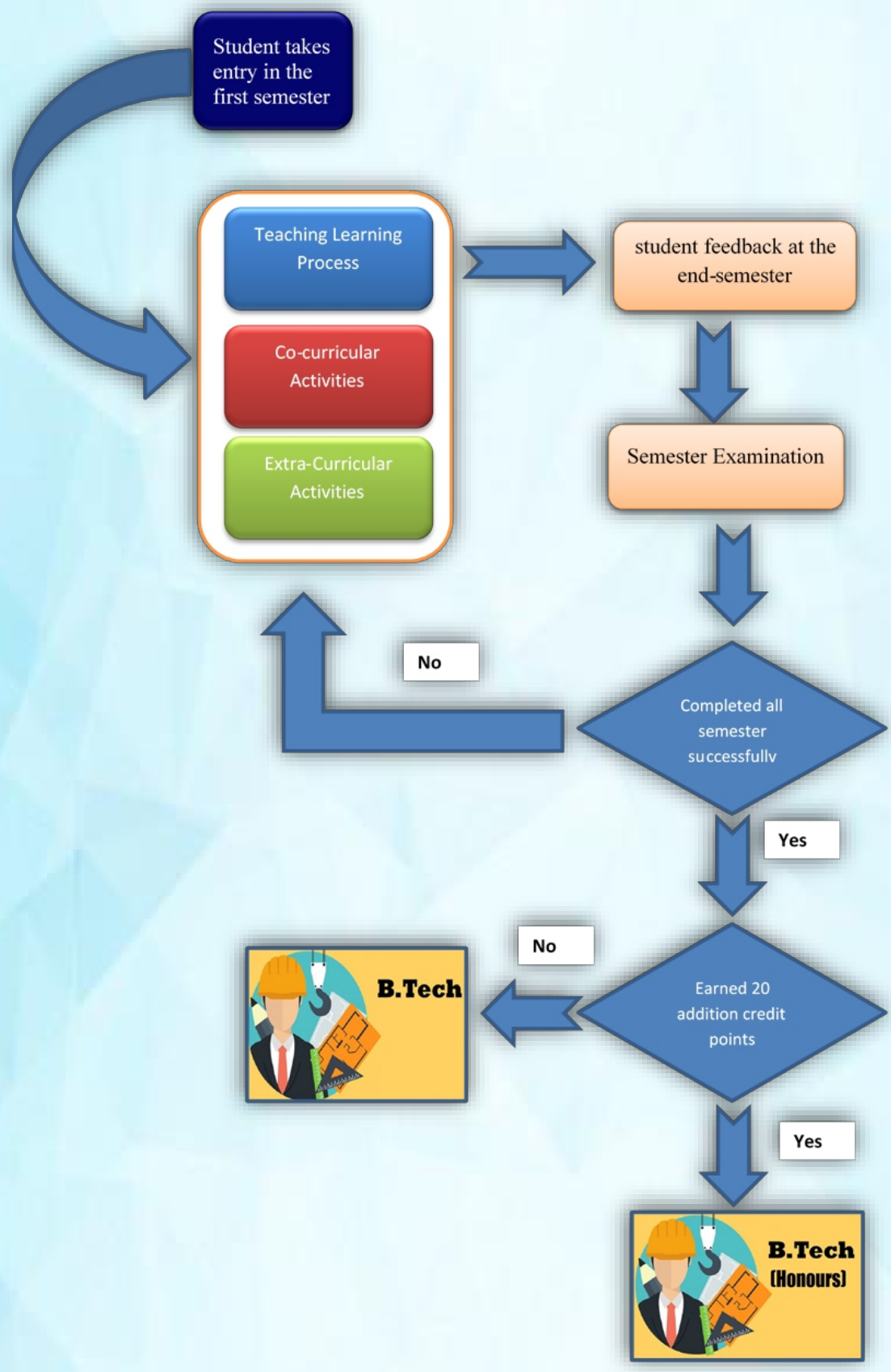
1.Admission offer will be sent by the college authority after verification of the uploaded documents.
2.Log in again to accept the admission offer
3.After accepting the admission offer, College authority will approve your application and activate the payment option.
4.Then click on the " Process to Pay" and pay the requisite fees for admission.
5.After making the payment click on " Print" and get the Payment Receipt where student ID will be mentioned.

Teaching Learning Paradigm

In the Teaching Learning Paradigm, the purpose of our Institute is not to transfer knowledge but to create environments and experiences that bring students to discover and construct knowledge for themselves, to make students members of communities of learners that make discoveries and solve problems, and recognizing that the chief agent in the process is the learner.

The basic objective of GNIT is to produce graduates with some attributes so that, they can establish themselves with their full potential whether as global citizens or as leaders in an internationally competitive environment.

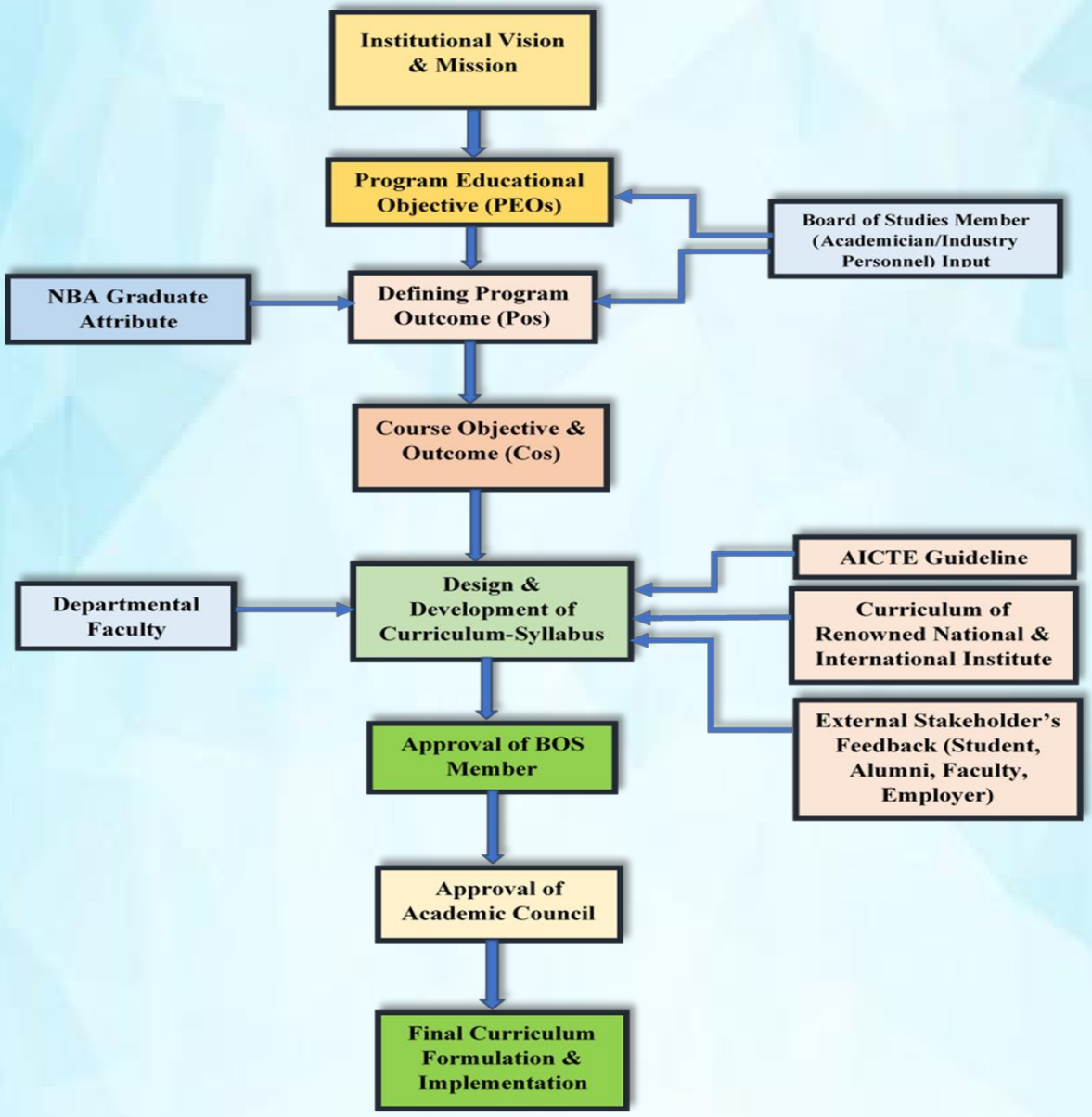
Teaching Learning Process at GNIT



Process of Curriculum Enrichment

Getting autonomy status by UGC, the institute ensures the main priority to the curricular development and its proper implementation in line with its vision. For that purpose, detailed comparative study is made with reputed universities and institutes and feedback from different stakeholders are gauged. Then under the guidance of a high level expert committee comprising of reputed academicians and industry mentors through departmental Board of Studies and Institutional Academic Council, the procedure of curricular framing/restructuring settles appropriate syllabus for various programs. Here the main focus is the emerging trends of the courses as well as industry requirements, both from national and global point of view and obviously to cater the local needs and to realize the core values.

The overall steps of the process is described by the flowchart.



Curriculum Structures

GNIT follows the curriculum structure as per the guideline mention by AICTE. According to this structure a range of credits from 150 to 160 for a student to be eligible to get Under Graduate degree in Engineering. A student will be eligible to get Under Graduate degree with Honours or additional Minor Engineering if he/she completes an additional 20 credits. These could be acquired through MOOCs.

Being an autonomous Institute, GNIT designed their syllabus under the guidance of the syllabus committee constitute by eminent academicians and industry persons.

The detailed syllabus for all B.Tech, MCA and M.Tech courses mentioned below are available at our website www.gnit.ac.in

- ✓ Department of Computer Science & Engineering (CSE)
- ✓ Department of Electronics & Communication Engineering (ECE)
- ✓ Department of Electrical Engineering (EE)
- ✓ Department of Food Technology (FT)
- ✓ Department of Information Technology (IT)
- ✓ Department of Electronics and Computer Science (ECS)
- ✓ Department of Computer Application (MCA)

Department of Computer Science & Engineering

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.

Courses Offered:

- ✓ **Four years B.Tech in Computer Science and Engineering.**
- ✓ **Two years M.Tech in Computer Science and Engineering.**

Department of Computer Science & Engineering

Vision of the Department

To produce proficient professionals of global standard with respect to industry, academia, and entrepreneurship who can play a key role in their respective domain and become a responsible citizen for the sustainable growth of the society.

Mission of the Department

DM-1: To impart quality education with holistic development to produce professionals with leadership traits.

DM-2: To impart knowledge on emerging technologies and entrepreneurship skills to produce technocrats of global standard and entrepreneurs.

DM-3: To promote interdisciplinary work culture and opportunity to work in a team through collaborative research and project work.

DM-4: To inculcate professional ethics and moral responsibility for a better society.

Program Educational Objective (PEOs)

PEO 1: Our graduates will establish themselves as effective professionals in industry, academia and entrepreneurship.

PEO 2: Our graduates will become profound researchers in multiple domains.

PEO 3: Our graduates will act as a leader in society.

Department of Computer Science & Engineering

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

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.

Program Specific Outcome(PSOs)

Our undergraduate program students will have the:

PSO 1: Ability to use efficient algorithm for designing and developing software applications and products.

PSO 2: Ability to correlate computer science and core engineering subjects to solve real life problems across multiple domains.

PSO 3: Ability to write code efficiently in competitive environment in national and international platform.

Department of Electronics & Communication Engineering

The Electronics and Communications Department commenced in the year 2003. The programs offered by the department are accredited by NAAC. 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.

Courses Offered:

- ✓ **Four years B.Tech in ECE**
- ✓ **Two years M.Tech in ECE**

Department of Electronics & Communication Engineering

Vision of the Department

To impart quality education and excel in research to create centre of excellence in the field of Electronics & Communication Engineering to produce outstanding professionals to become future leaders and responsible citizens.

Mission of the Department

DM1: To impart high quality education with innovative teaching-learning methodologies

DM2: To impart knowledge on innovative field of engineeringand provide opportunity to work in a team on interdisciplinary projectsfor empowering ability to become successful professionals

DM3: To carry out high quality research through collaboration and interaction with research organizations and industries

DM4: To motivate to follow professional ethics and encourage to work for the sustainable growth of the society

Program Educational Objective (PEOs)

The Program Educational Objectives (PEOs) are established such that the program is preparing graduates to achieve career and professional accomplishments. Our graduates will be able

PEO-1: To build up the concept of core electronics subjects with a strong foundation in the engineering fundamentals to solve, analyze and design the real-life engineering problems.

PEO-2: To impart training on emerging technologies and provide opportunity to work in a team on interdisciplinary projects to inculcate leadership quality.

PEO-3: To foster interdisciplinary learning environment to succeed in their profession, higher education, research and entrepreneurial development.

PEO-4: To imbibe ethical attitude and life-long learning capability.

Department of Electronics & Communication Engineering

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

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.

Program Specific Objective(PSOs)

Graduates of ECE program will be able:

PSO 1: To acquire deep analytical knowledge of Electronics and Communication Engineering to meet requirements of global consumers in Devices and communication sector and contribute to the society through govt. and Non Govt. Sectors.

PSO 2: To develop integrated systems in the field of Electronics and Communication by applying modern tools and skills to meet the challenges in Industry.

PSO 3: To apply innovation in the field of communication for designing IoT based systems along with AI and ML

Department of Electrical Engineering

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.

Courses Offered:

- ✓ **Four years B.Tech in Electrical Engineering**

Department of Electrical Engineering

VISION OF THE DEPARTMENT

To achieve its own vision the Department of Electrical Engineering is committed

To produce new generation technologists and entrepreneurs with innovation and advanced research by inculcating world class education to meet industry expectations and impart sustainable growth of the society in global perspective.

MISSION OF THE DEPARTMENT

To achieve its own mission the Department of Electrical Engineering is committed

DM1: To impart quality education and innovative teaching learning methodologies.

DM2: To develop professionals with the ability of critical thinking and innovativeness to face the real-life challenges in their respective domain.

DM3: To inculcate an urge of entrepreneurship, research and pursue higher studies.

DM4: To imbibe the spirit of moral values and ethics for the sustainable growth of the society.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO1: To implant strong foundation in Science, Mathematics and Electrical Engineering to become successful professionals.

PEO2: To impart knowledge on emerging technologies and entrepreneurship skills to produce future leaders.

PEO3: To train students in developing ethical attitudes, strong communication skills and capacity to relate engineering issues in social and environmental context.

PEO4: To facilitate opportunity to work in a team in interdisciplinary projects for building leadership qualities.

Department of Electrical Engineering

PROGRAM OUTCOMES (POS)

PO1: Engineering knowledge -Ability to apply the knowledge of mathematics, physical sciences and computer science and engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis -Ability to identify, formulate and analyze complex real life problems in order to provide meaningful solutions by applying knowledge acquired in computer science and engineering.

PO3: Design-development of solutions -Ability to design cost effective software - hardware solutions to meet desired needs of customers-clients.

PO4: 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 in the field of computer science and engineering.

PO5: Modern tool usage -Create, select and apply appropriate techniques, resources and modern computer science and engineering tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: 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.

PO7: 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.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: 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.

PO11: 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.

PO12: 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.

PROGRAM SPECIFIC OBJECTIVES (PSOS)

PSO1: To explore the ideas, methodologies and cutting-edge technologies in Renewable Energy and Electric Vehicles for gaining competence to solve energy related problems.

PSO2: To analyze, design and provide an engineering solution applying knowledge of Embedded System, Smart Grid, Power Electronics and Electric Drives.

PSO3: To use modern software tools for simulation, analysis and designing electrical and electronic Systems.

Department of Food Technology

The department of Food Technology was established in the year of 2006. 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, its characterizations, preservation, packaging and storage of food, according to industry and government specifications and regulations.

Courses Offered:

- ✓ **4 years B.Tech in Food Technology.**

Department of Food Technology

VISION OF THE DEPARTMENT:

Keeping in line with the Institutional Vision, the Departmental Vision is:

DV: To become a nationally and internationally recognized institution of Food Technology by producing competent food technologists with respect to industry, research and entrepreneurship leading towards sustainable growth of the nation and imparting service to the society.

MISSION OF THE DEPARTMENT:

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

DM-1: To facilitate high quality teaching to produce graduate of international standard

DM-2: To prepare students to face challenges in their professional life through skill development

DM-3: To promote interdisciplinary work culture to acquire knowledge through research activities and interaction with industries

DM-4: To motivate students towards sustainable development of the nation and society through professionalism, proper education, research and social service.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

PEO 1: Graduates will apply the knowledge of engineering to design product and process by analyzing and interpreting experimental data.

PEO 2: Graduates will use modern techniques, skills and engineering tools necessary in food processing sectors for sustainable development.

PEO 3: Graduates will impart knowledge of professional and ethical responsibilities toward the society.

PEO 4: Graduates will work in multi-disciplinary fields as a teamplayer or a teamleader.

PEO 5: Graduates will pursue higher education, research and other creative and innovative efforts in food technology domain through life-long learning.

Department of Food Technology

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

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.

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1: Graduates will be able to comprehend the concepts of Food Technology and to apply them in various areas like food processing, preservation, packaging, analysis, quality control etc.

PSO 2: Graduates will be able to use modern computing technology, analytical skills and engineering tools necessary in food technology and innovation in global and social context.

PSO 3: Graduates will have a successful career and to support devotion for real-world applications using optimal resources as an Entrepreneur in the field of Food Technology.

Department of Information 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. 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.

Courses Offered:

- ✓ **4 years B.Tech in Information Technology.**

Department of Information Technology

VISION OF THE DEPARTMENT:

The vision of the Information Technology is to make leaders in Information Technology education in support of teaching and learning, and also to be the preferred source of quality technology education, research and community services delivery for the local, national and international levels.

MISSION OF THE DEPARTMENT:

DM-1: To build a quality and cutting edge technology infrastructure.

DM-2: Deliver quality, prompt and reliable technology education services.

DM-3: Establish and maintain an effective academic environment for students.

DM-4: Engage in emerging research areas and establishing leadership.

DM-5: Contribute to the community services at large as well as catering to socio-economic goals in local and national levels.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

PEO-1: 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.

PEO-2: To train students across the spectrum of basic and applied science, recognizing and exploiting common descriptions in disparate systems.

PEO-3: To train students with sufficient scientific and Information Technology breadth to design and create novel solutions to real-life problems in computing domain.

PEO-4: To develop students 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.

PEO-5: 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.

Department of Information Technology

PROGRAM OUTCOMES (POs)

PO1: Engineering knowledge: Graduates will be able to apply the basic knowledge in Mathematics, Science and Engineering fundamentals in the domain of Information Technology.

PO2: Problem analysis: Graduates will demonstrate the ability to design, develop and test systems corresponding to real life problems under consideration including the physical models, interpret and analyze data, and report results and use experimental results for further expansion.

PO3: Design/development of solutions: Graduates will demonstrate the ability to design a digital system or a computational system or a process that meets demand driven specifications and requirements in Information Technology and research areas.

PO4: Conduct investigations of complex problem: Graduates will have the ability to identify, formulate and solve service oriented architectural problems.

PO5: Modern tool usage: Graduates will be familiar with state-of–the-art software tools and to analyze relevant engineering problems.

PO6: The engineer and society: Graduates will be broadly educated and will have an understanding of the impact of engineering on society and demonstrate awareness of contemporary and emergent issues.

PO7: Environment and sustainability: Graduates will have the confidence to apply engineering solutions in global and societal contexts.

PO8: Ethics: Graduates will demonstrate an understanding of their professional and ethical responsibilities.

PO9: Team work: Graduates will foster team spirit and elevate the enthusiasm in teamwork-concept of sharing in demonstrating their ability in technological solution as a part of specialized engineering and science laboratory teams, as well as on multidisciplinary design teams.

PO 10: Communication: Graduates will be able to communicate effectively in both verbal and written forms.

PO 11: Project Management and Finance: Understand the engineering and management principles and apply these to one's own work as a member and leader of a team to manage projects and in multidisciplinary .

PO 12: Life-long learning: Graduates should be capable of self-learning and clearly understand the value of lifelong learning.

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1: Graduates will be able to apply basic engineering knowledge to understand and analyze basic-complex problems in the field of Information Technology.

PSO 2: Graduates will be able to provide optimized solutions for organizations and individuals through Information Technology specific skills.

PSO 3: Graduates will be able to work in a group to manage projects and human resources in the field of Information Technology.

PSO 4: Graduates will be able to contribute in the research and development field of Information Technology through the lifelong learning to serve the society and nation.

Department of Electronics and Computer Science

The department of ECS was renamed in the year 2021. 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 engineering is a specialized branch of electrical and electronics engineering and it deals with the sensing, signal conditioning, measurement, control, Internet of things, Artificial Intelligence and as a whole automation of process industries. Apart from encompassing core subjects such as industrial instrumentation, process control, control theory, courses offered on bio-medical instrumentation, analytical instrumentation, **mechatronics, robotics, software development**, hardware topics like microprocessor and microcontroller-based Instrumentation, VLSI and embedded system designs, computer architecture and organization and computer based control of processes.

Courses Offered:

- ✓ **4 years B.Tech inElectronics and Computer Science**

Department of Electronics and Computer Science

Vision of the Department

The Vision of the department is to create Electronics & Computer Science Engineers with outstanding technical competency in software and hardware to impart research aptitude for societal benefit.

Mission of the Department

M1: 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 Computer Science.

M2: To develop employable and competent Electronics & Computer Science Engineers with high academic credentials and to inspire them to take up higher studies and research.

M3: To contribute towards the betterment of society by imparting practical skills and technical knowledge to the students.

M4: To make engineers with high professional ethics, social and human values and responsive to community needs.

Program Educational Objective (PEOs)

The Program Educational Objectives (PEOs) are established such that the graduates from this program can achieve their goal in their professional fields.

These program educational objectives are as given below:

PEO1: Graduates of Electronics & Computer Science 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 Electronics & Computer Science 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 Electronics & Computer Science 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.

Department of Electronics and Computer Science

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

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.

Program Specific Objective (PSOs)

Engineering Graduates will be able to:

PSO 1: Apply the fundamental knowledge of core Electronics and Computer Science domains in the analysis, design & development of different types of integrated electronic systems and also can utilize their fundamental concepts and methodology of computer systems in terms of software and hardware used in industrial environments.

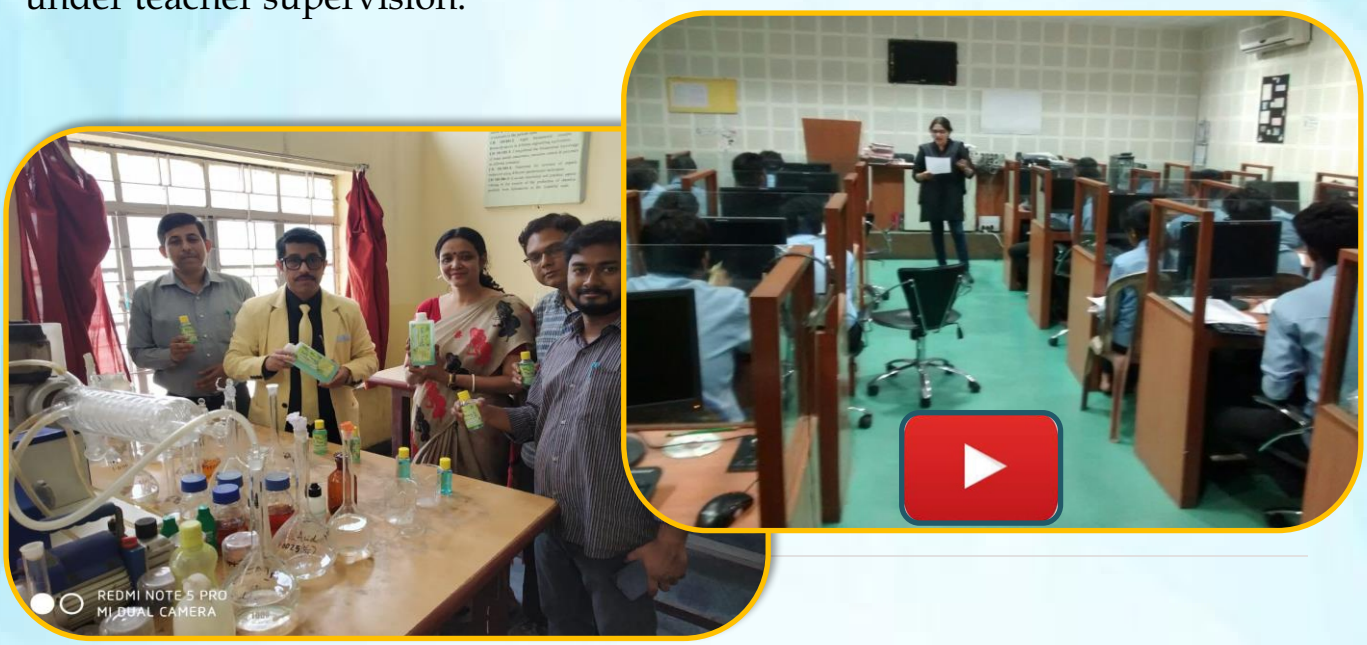
PSO 2: Apply fundamental concepts and methodology of Electronics and Computer Science to establish themselves as a successful entrepreneur.

PSO 3: Use scientific & engineering fundamentals, skills & tools to formulate, solve & analyze software and hardware problems related to industry & research in the field of Electronics and Computer Science.

Department of Applied Science and Humanities

The Department of Applied Science and Humanities is the key Service Department in the institute, looking after the entire B.Tech 1st Year batch in all Streams. The Dept has 16 full-time in-service teachers, with 8 Ph. D holders, 3 full-time technical assistants and a few supporting staff members. The faculty members, besides teaching and mentoring the 1st Year students, are also highly pro-active in research, and engaged in publications, presenting in seminars, conferences, workshops and webinars. They are also involved in research projects and members of professional associations and societies. The Dept also excels by reason of attracting dedicated and talented teachers and staff, who are research-active, conscientious, and continually strive to bring the Dept closer to an approximation of its goals and long-cherished objectives. The Dept is quite multi-faceted in its composition, and includes five collateral Sections, **Physics, Chemistry, Mathematics, English and Mechanical Science**, with a separate set-up and a Section-in-Charge.

Each Section has well-equipped and state-of-the-art laboratories under it, where students get hands-on practice in subject areas by performing live experiments under teacher supervision.



Department of Applied Science and Humanities

Vision of the Department

"To nurture students through intellectual, moral and value based education, enabling them to contribute innovatively toward Science and Technology to become future leaders in their profession and responsible citizens"

Mission of the Department

DM-1: To achieve its vision the Department is committed to providing the students of technology holistic development through

DM-2: enabling the smooth transition of a 12th passed out student towards a successful career in Engineering by bridging the gap between science and technology.

DM-3: creating a teaching – learning environment conductive to the pursuit of Higher Knowledge, relevant skills and experience

DM-4: training them in the basic ethical values of profession.

DM-5: enabling awareness on ecological and environmental issues, sensitizing on current socio-economic issues.

DM-6: providing exposure to basic principles of Management and Business Economics needed by the present day professionals

DM-7: providing awareness building on language use by technical professionals and corporate behavior and etiquette through aptitude and soft skill training.

DM-8: creating a conducive research environment leading to consultancy and extension activities and making them industry ready.

Department of Electronics and Computer Science

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

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.

Department of Computer Application

Department of Computer Applications is devoted to study and research. It runs two courses MCA (under Autonomy). The combination of competent and vibrant faculty members, modern infrastructure and technical resources give an edge to the young technocrats.

The Department of Computer Applications started its journey in the year 2007 with MCA stream only. We are fortunate to be the choice of most of the stake holders. The Department of CA believes in excellence in education and innovation. It gives best possible placement to students. Teacher-student relationship is a matter of pride for us. Different Seminars, Workshops, Webinars, Extra-curricular and Co-curricular activities are performed throughout the year. This helps the young minds grow in diverse dimensions beyond their academics. I wish all the success to each and every student and their very bright future.

Courses Offered:

- ✓ **2 years Masters of Computer Application (MCA)**

Department of Computer Application

Vision of the Department

The Department of Computer Applications 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.

Mission of the Department

- To Ensure knowledge based academic environment in the department.
- Provide a conducive teaching and learning atmosphere so as to achieve excellence in teaching-learning, research and development activities.
- Enable the students to solve software related problems independently.
- To bridge the gap between industry and academia by framing curricula and syllabi based on modern industrial and societal needs.
- Mentoring the students with effective communications skills.
- Counsel the students with best of social and ethical skills along with their inherent knowledge to gear up with their urges towards self- development and continuous improvement.
- To ensure that the students are groomed in the society as a true human resource and successful professional.

Program Educational Objective (PEOs)

PEO 1: To excel in professional career and higher education, research by acquiring knowledge and skills in core and allied domain for holistic development.

PEO 2: To produce successful professionals in industry, government, academic research, entrepreneurial pursuit and consulting firms.

PEO 3: To develop the capability to analyze real life problems, design computing systems appropriate to its solutions that are technically sound, economically feasible and socially acceptable.

PEO 4: To exhibit professionalism with strong human values and professional ethics, team work in their profession and adapt modern trends by engaging in life long learning.

Department of Computer Application

PROGRAM OUTCOMES (POs)

PO-1: Able to analyze the real life complex problems, formulate suitable solutions with the applications of knowledge and problem solving skills.

PO-2: Master to design and implement computing system to meet the trending modern needs within realistic constraints such as safety, security and social responsibilities.

PO-3: Develop the ability to engage in continuous learning and self-upgrading as a Computing Professional

PO-4: 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: Ability to understand professional, ethical, legal, moral and social diverse issues and responsibilities.

PO-6: Understanding the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO-7: Introduce and involve students with problem analysis, evolutionary tools and formulation techniques related to hardware and software.

PO-8: Ability to work effectively, individually and on teams, including diverse and multidisciplinary domains to accomplish a common objective.

PO-9: Communicate effectively on complex situations with technological views 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-10: Understand the real-world problem and concede professional development by pursuing higher studies and other challenges like 8examination, interview etc. at national and international level.

Department of Computer Application

PO-11: Appropriately apply research methodologies, techniques and tools, design, conduct experiments, analyze and interpret data in a broader perspective.

PO-12: Demonstrate knowledge, opportunities and use innovative ideas to create ideas for the betterment of the individual, organization and society.

Program Specific Objective (PSOs)

PSO 1: Develop the ability to apply knowledge and skills to solve the real life problems.

PSO 2: Develop the ability to work in a team with the ability of leadership, analytical reasoning for problem solving, critical thinking and strong human values of a responsible professional.

PSO 3: Ability to enhance and develop techniques for independent and lifelong learning in computer application.

PSO 4: To acquire In-depth knowledge & sustained learning that leads to innovation and analyze the societal needs to provide novel solutions through technology based research

Scholarship Schemes at GNIT

M.Tech-

Scholarship of 20% on tution feeper 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.

B.Tech Lateral-

Scholarship of Rs.60,000/- @ Rs.10,000/- per semester is applicable only to the students who have studied their three years Diploma in Engineering in this institutions:

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

MCA-

Scholarship of Rs.45,000/- at the time of admission and Tution fee in 2nd semester is applicable only to the students who have studied their Undergraduate courses in any of the following institutions:

Scholarship Schemes at GNIT

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

Scholarship offered by the Government

Both the central and the state government offer scholarships to help you pursue engineering from a reputed institution in India and excel in the same field. The government of India as well as West Bengal government hosts a number of scholarship schemes to promote technical and professional education among students, like Swami Vivekananda Scholarship, Kanyashree-K2, Scholarship for minorities, oasis scholarship etc.

In our college maximum no of students applied for Swami Vivekananda Scholarship scheme. It is a giant leap for poor and meritorious students. It is formally known as the “Swami Vivekananda Merit-cum-Means Scholarship (SVMCM)". The students pursuing courses at the Under-graduate, Post-graduate, M. Phil and Doctoral Level, as well as Kanyashree recipients, will be benefited from this scheme and can apply for the same. The primary eligibility criteria to be shortlisted for the scholarship are based on academic merit. The income criteria to apply under this scheme is not more than Rs. 2,50,000/- per annum subject to fulfillment of other merit criteria. The scheme is the brainchild of the West Bengal government to aid the families that are economically backward. The scholarships are provided at different levels of higher education. There has been a thorough revamp in the scholarship structure to cater to a larger number of students.

Note: 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.

Code of Conduct for Students

1. The students must be regular and punctual in their studies
2. The students must observe discipline in all types of academic and extra-curricular activities
3. The students must maintain at least 75% attendance
4. The students must maintain the cleanliness of the campus and hostels
5. The students should dress in a formal way, maintain the dignity of the institute, and behave in an amicable manner.
6. The students should read the notices regularly, which are posted on college website and circulated via email groups
7. The students should show respect for the all teaching and non-teaching staff of the institute and they must be amiable towards other students
8. The students should complete the tasks within the stipulated time
9. The students must adhere to the rules and regulations, which are issued by the Controller of the Examination/Officer in-charge of Examination, during the examinations
10. The students should clear the College/Hostel fees in time.
11. Ragging is a criminal offence. The student must not indulge in any form of ragging. The students must submit the anti-ragging declaration at the time of the admission. The students must also submit the anti-ragging declaration online
12. The students must immediately bring into the notice of the HOD/ Registrar/ Principal if they face any discrimination on the basis of religion, caste, sex,

gender etc

13. The student must develop professional qualities
14. The students must behave properly within the campus as well as outside when

    they represent the college
15. The students are expected to participate in the extra-curricular activities
16. The male students must not pass offensive/abusive comments at the female students and must observe due courtesies
17. Substance abuse of any type is strictly prohibited in the campus and in the hostels
18. The students must attend the online classes by using their full name and present semester of study
19. The students must not take part in cyber bullying
20. The students must not spread hatred in the online platforms
21. The student must try her/his best to excel academically
22. The students must uphold the reputation of the institute

GNIT Policy for Payment of Fees

- **Fees Structure for several courses:**

Semester fees for courses must be paid before the commencement of semester, i.e., in case of odd semester it should be paid in the month of June and for Even semester, the payment must be done in the month of December.

The semester fees for different courses are given below.

Course Name	*Course Fees*
B.Tech(CSE/IT)	*5,50,000/-*
B.Tech(ECE/ECS)	*4,70,900/-*
B.Tech(EE/FT)	*4,70,500/-*
MCA (Master of Computer Application)	*3,02,500/-*
M.Tech in Computer Science &Engineering (CSE)	*2,28,600/-*
M.Tech in Electronics & Communication Engineering (ECE)	*2,28,600/-*

- **Policy on fine waive due to late submission of Semester fees:**

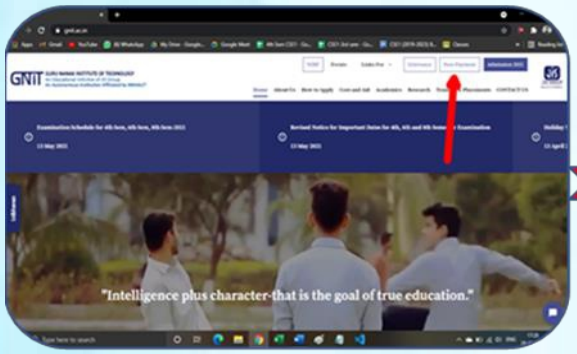
Regarding Semester fees payment, any kind of late fine is only considered for waiving as per the Fees payment policy of Institution if the student can show a proper justification with a valid documentary proof. Students may request for his/her fine wave via email to their respective departmental mentors/HOD by providing the proper reason with parent's consent. Please note, all such requests must be made with proper and sufficient documentary evidence in support of that request. Otherwise, it will not be entertained.

- **Policy on refundable security deposit:**

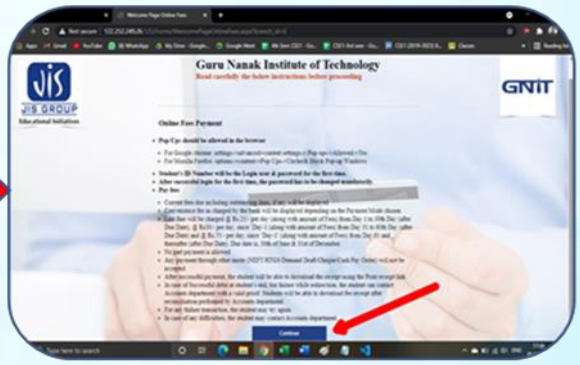
Students can apply to get their Caution Deposit as per the rules of claiming policy and it will be refunded to that student only after he/she completes the "No Dues" process at the time of leaving the College. Any charges/penalties due in his/her name as on date of leaving, will be deducted from refundable security deposit. Otherwise, the full amount of caution money will be refunded to that student's bank account via online transfer mode.

Fees payment Procedure

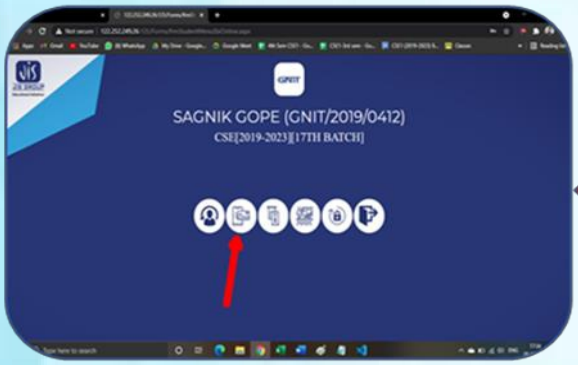
Step1: Open gnit.ac.in
Click on the "Fees Payment" option

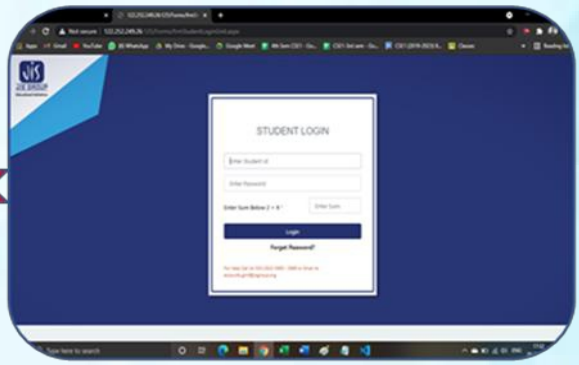


Step2: Scroll Down and click "Continue"

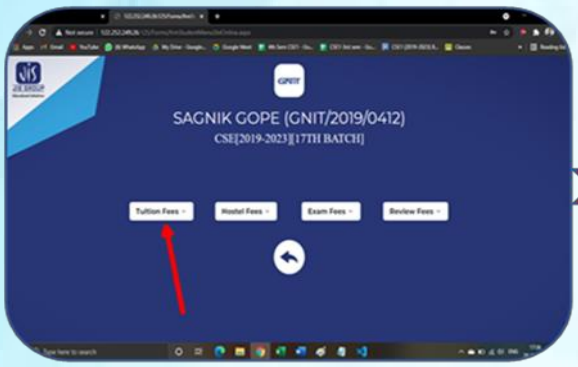


Step3: Click on the Second option (Online Pay)





Step4: Enter your ID (GNIT/****/****) & Password



Step5: Click on "Tuition Fees"

Step6: Click on "Advance Fees". Edit the "Enter Semester for Advance Fees", Write the Fees Amount in "Enter amount for Advance Fees:" & then click on submit button. Then you will be redirected to the net banking page...

Teaching, Learning Assessment

Students have to abide by all rules and regulations framed by the affiliating University, regarding academics, syllabus and curriculum, which may change from time to time as per the policy of the affiliating University.

The Institute also reserves the right to assess the students through their own evaluation system and decide on the facilities to be provided to each student.

Promotion Policy

The students are eligible for promotion based on the assessment of attendance record, academic progress (credits obtained) both in the University and internal examinations, code of conduct observed by the student with the fellow students, juniors, administrative officers, faculty members and last but not the least the Head of the Institution. Internal Evaluation are done by two phase Unit Test-I and Unit Test-II. The division of 100 marks for theory examination is -

✓ Unit Test-I	15 Marks
✓ Unit Test-II	20 Marks
✓ Assignment	05 Marks
✓ Attendance	05 Marks
✓ Semester Examination	70 Marks

The division of 100 marks for practical examination is

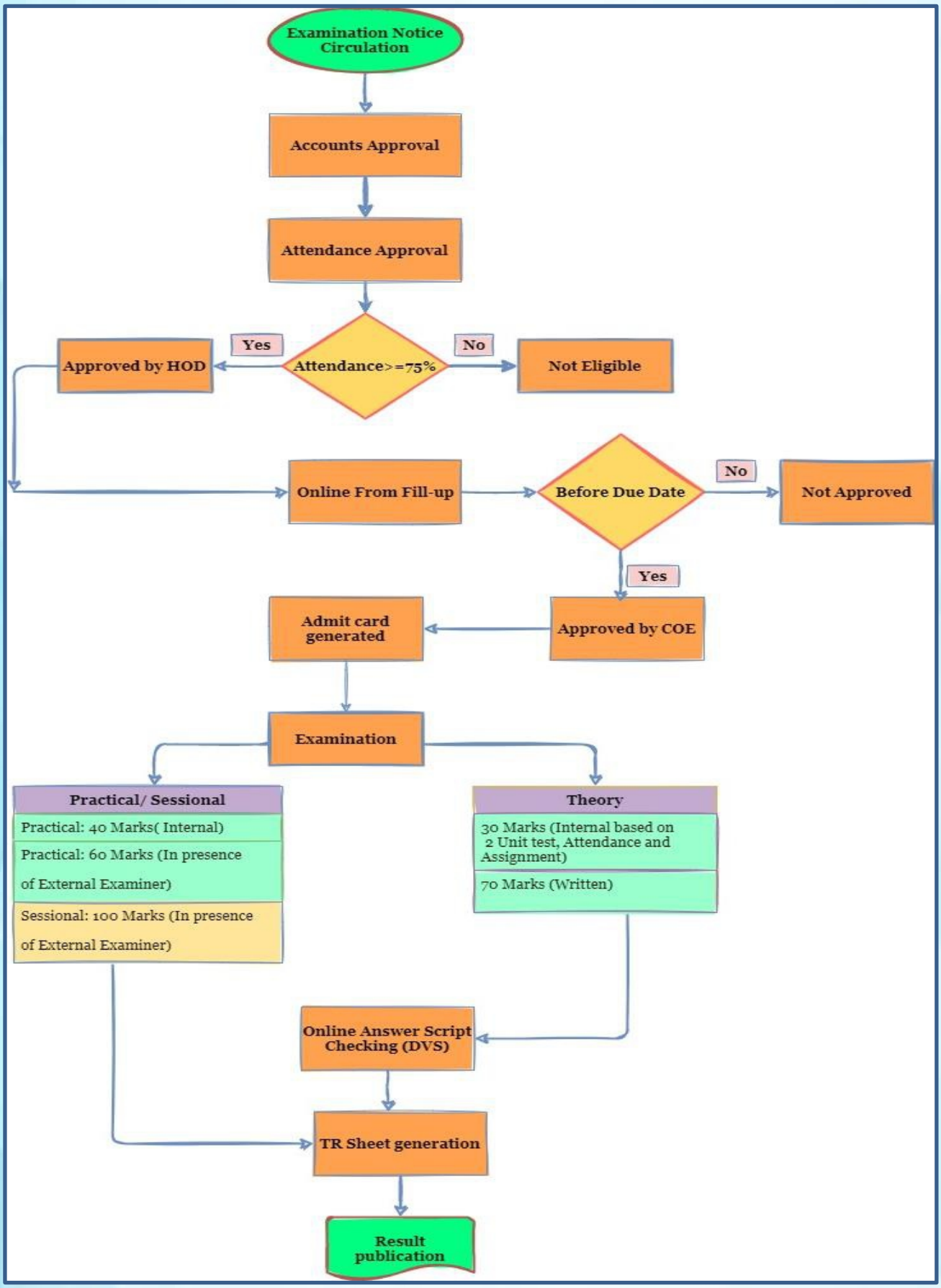
✓ Internal Evaluation	40 Marks
✓ External Evaluation	60 Marks

Examination System

In the Offline mode the examination system is conducted as per guideline in the form of Unit Test, Semester Examination, Laboratory Examination and Viva/Project.

In the Online Mode the unit test examinations and semester examinations are conducted using the virtual platforms.

- Proctor based tests are conducted. Students are provided with individual login ID and password, which they use to login to examination portal and download the question paper.
- The entire examination is conducted under the supervision and surveillance of the Exam Cell in collaboration with MindLogix.
- Any violations of the rules are monitored, recorded and the student is warned if any vulnerability is found.
- Within the stipulated time, the students are to submit the scanned copy of the answer sheets.
- Contrarily, Bloom's Taxonomy Action verbs are used to frame Questions for the Open Book Examination (OBE) system.
- In Laboratory exams, the routine with time slots is provided to students and the departments conduct the exams through LMS Portal, thus their lab files and recorded videos are kept as a proof of the fair conduct of the exam.
- Apart from that various mock tests, technical and aptitude, are conducted through online MyPerfectice platform to make the students industry ready.


Examination Notice Circulation
Accounts Approval
Attendance Approval
Attendance>=75%
Yes
No
Approved by HOD
Not Eligible
Online From Fill-up
Before Due Date
No
Not Approved
Yes
Approved by COE
Admit card generated
Examination
Practical/ Sessional
Practical: 40 Marks(Internal)
Practical: 60 Marks (In presence of External Examiner)
Sessional: 100 Marks (In presence of External Examiner)
Theory
30 Marks (Internal based on 2 Unit test, Attendance and Assignment)
70 Marks (Written)
Online Answer Script Checking (DVS)
TR Sheet generation
Result publication

Project Based Learning

Our curriculum highlights the importance of Project-Based Learning – encouraging students to acquire a deeper comprehension through active exploration of real-world challenges and problems.

In this student-centered pedagogy and in this dynamic class approach, our students gain knowledge and skills by working for an extended period to investigate and respond to an authentic, engaging, and complex question, problem, or challenge.

We encourage our students to learn by applying knowledge and skills through an engaging experience, by presenting opportunities for deeper learning in-context and for the development of important skills tied to college and career readiness.

Blended Learning

At GNIT, we integrate traditional face-to-face class with online activities in a planned, pedagogically valuable manner. We strive to provide with successful blended learning as technology and teaching inform each other – the material becomes dynamic as it reaches students of varying learning styles.

Our hybrid teaching-learning process can reach and engage students in a truly customizable way. In this scenario, online education is a game-changer, not just a supplement for the status quo, but what this theoretical model looks like in practice – keeping in sync with the paradigm shift from traditional teaching-learning to a virtual one.

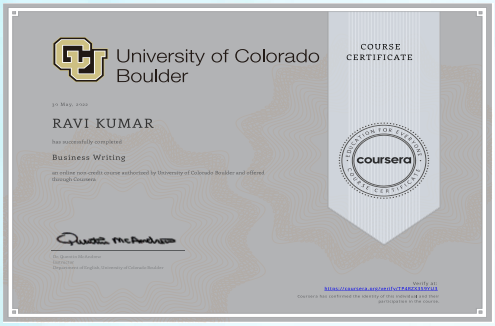
Our practice of blended learning reinforces student-centered learning, allowing them to master content in an individual way and in their own unique pace.

B.Tech with Honors Facility

For Honors additional 20 Credit Point is to be earned (1 st Sem to 8 th Sem) through MOOCs courses. All the Certificates received by the students across all semester for MOOCs Courses from approved organization is to be submitted to CoE office prior to 8th Semester Examination.

Collaboration with Coursera:

Coursera Inc. is an American massive open online course provider founded in 2012 by Stanford University computer science professors Andrew Ng and Daphne Koller. Coursera works with universities and other organizations to offer online courses, certifications, and degrees in a variety of subjects. More than 150 universities offered upwards of 4,000 courses through Coursera, which features over two dozen degree programs at prices that are lower than many in-person school offerings. From Coursera our students can attend various types of courses in multiple numbers of fields as per their choice from the world's best instructors and universities. Courses include recorded auto-graded and peer-reviewed assignments, video lectures, and community discussion forums. When you complete a course, you'll be eligible to receive a shareable electronic Course Certificate. Students of GNIT are able to participate in Coursera programme which is totally free of cost. In each semester every student must have to clear minimum one examination after completing that course under courser platform.



Some list of Websites which offers online certification courses:

1. **Swayam- https://swayam.gov.in/**
2. **NPTEL- https://onlinecourses.nptel.ac.in/**
3. **Coursera- https://www.coursera.org/**
4. **Udemy - https://www.udemy.com/**

The distribution of the credit with respect to weeks is as follows:

- ✓ 4 to 7 weeks: 2 Credits
- ✓ 8 to 11 weeks: 3 Credits
- ✓ 12 to 15 weeks: 4 Credits
- ✓ 16 or more than that: 6 Credits

NPTEL Certification

NPTEL MOOC Courses are also doing by a huge no. of students and here also, it should be highlighted that thousands of our students are pursuing NPTEL courses and passing with flying color with Elite Gold and Elite Silver, Topper in India and give some names of the students. Also it has to be mentioned that almost 90% of our faculty members are NPTEL qualified.

- Ahini Roy has achieved “gold” category in NPTEL course named “The Joy of Computing using Python” where as Uddipan Chowdhury, Subhra Sarkar, Swarnali Banerjee ,Sayan Bhattacharjee, Sayan Majumder have got silver and also Piyasha Ghosh, Anubhab Sen,Debashruti Das, Sayani Sengupta, Sayani Dutta, Nilendu Banerjee, Sayan Sarkar, Roni Mondal, Moumita Basak, Anurati Kar, Spandan Ghosh and so many students have achieved “Elite category on the same course.

- Debashruti Das and Sriparna Ghosh got “Silver” rank in respective NPTEL courses named “Enhancing Soft Skills and Personality” and “Programming in Java”.

- Santanu Das and Kinkini Adhikari got “Elite category” in the course “Advances in UHV Transmission and Distribution” and “Control Systems” respectively under the course of NPTEL.

- Alangkrita Chakraborty, Archita Dey and Lipika Mukherjee have successfully completed their NPTEL course named “Control Engineering” under the category of “Elite”. Among them Lipika Mukherjee achieved Elite+Silver rank.

- Gourab Bag has achieved “Elite” rank under both NPTEL course “Electric Vehicles-part 1” and “Electrical Machine -1”. In this “Electric Vehicles-part 1” category Biman Chandra got Elite+Silver rank.

- Baban Kumar, Debjit Sarkar got “Elite+Silver” rank in course “Electrical Machine-II” whereas Anirban Chandra achived “Elite” on the same. Shuvam Patra and Shubhro Kundu also achived “Elite+Silver” in course “Network Analysis”.

- Sourav Pal and Ravikant Bhagat have achieved “Elite+Gold” and “Elite+Silver” rank respectively for course “Python For Data Science” under NPTEL where as Rohan Sengupta and Poushali Gope have got “Elite” rank for course “Python Power system engineering”.

- Pallabi Banerjee and Monishankar Ghosh have achieved "Elite" and “Elite+Gold” category in course "Non conventional energy resources" and “Programming, Data Structures And Algorithms Using Python” respectively.

- Shubham Banerjee has achived "Elite" rank in "A brief introduction to micro sensors",Sayan Majumder,Parthapratim Roy and Disari Chattopadhyay also have successfuly completed the course "Data Structures and Algorithm using Python" with same rank.
- Anup Jha and Joy Das have achived "Elite + Silver" rank in course "Analog Electronics". Here Joy Das has also completed the course “Practical Application of Op-Amp” with same rank.

- Sneha Baidya has achived "Silver" rank in "German I" and "Elite" category in "Introduction to IoT".

- Gulshan kumar,Sayantani Das got "Elite" in "C Programming" and "Data Base Management System" respectively where as Kushal Ghosh has achived "Elite + Silver" rank under "Programming in C++".

- Sayantani Das got "Gold" where as Satish Singh and Partha Pratim Roy have completed their NPTEL course named "Programming in Java" with "Silver" rank.
- Romik Banerjee got "Gold" where as Sayan Bhowmick has achieved "Elite" rank in the course "Robotics".
- Mariya Mukherjee of FT department got Elite rank in NPTEL
- Anindya Dhar of FT department got Elite in NPTEL
- Saurjaynee Biswas Dhar of FT department got Elite in NPTEL
- Rupsa Sengupta Dhar of FT department got Elite with Silver & Top 5% score in India

Many more ...

Facility for Higher Study

GNIT provides a good platform for pursuing higher studies. Special guidance is provided for the students for appearing competitive examination. Students are facilitated by providing recommendation for pursuing higher studies in the foreign universities. Each year a good number of students are able to pass national and international level examination. We also provide students exchange program with AIT Bangkok, and some universities/ Institute of Russia and France.

Snehasri Nag
MS from Portland State University

Mr. SUBHODEEP SAHOO
Pursuing PHD
UC DAVIS

Ms. Sahana Deb
MS in Applied Computer Science
Columbus State University

Sayantani Saha
Pursuing MS
Univ. Of Southern California

Arijit Chatterjee
M.Tech (Power systems)
Indian Institute Technology

Mr.Sutanu Chatterjee
MS From Saint Petersburg Electrotechnical University

- Mr. Debjit Ghosh, MS from University of Hohenheim, Germany
- Mr. Joyjit Saha, MS from Oklahoma State University, Stillwater, Oklahoma, United States
- Dr. Indira Dey Paul, M.Tech., Ph.D., IIT Kharagpur
- Ms. Sanjana Chakraborti, M.Tech. , NIFTEM (under MoFPI, Govt. of India)
- Ms. Rupsa Roychowdhury, M.Tech., Tezpur University
- Mr. Aurik Bairagi, M.Tech., Jadavpur University
- Md. Ashar Alam, M.Tech. Jamia Millia University, New Delhi
- Sheikh Tanveer Hossain, Master of Engineering (Electrical Engineering) Texas A&M University, Kingsville
- Arijit Chatterjee, M.Tech (Power systems) Indian Institute Technology (Indian School Mines), Dhanbad
- Chandrika Dey, MBA NIT, Rourkrla.
- Anisha Naskar, M.Tech. in Illumination Engineering Jadavpur University
- Abhirup Sinha, M. Tech in Electric Power University of South Australia
- Himadri Shekhar Mondal, M.E(Machines) Jadavpur University
- Sayan Saha, M. Tech (Power Electronics, Machines and Drives) IIEST, Shibpur
- Prashant Shaw, M. Tech (Power Electronics, Machines and Drives) IIEST, Shibpur
- Dr. Biswarup Mukherjee: Post Doctorate from Harvard Medical School
- Smarajit Chakraborty: Engineering Technology & Management from Portland State University
- Oindrila Ghatak, Pursuing MS From Edinburgh University
- Abhratanu Surai University of Paderborn, Germany,MS in Computer Science
- Vijaeta Shailja University of Texas, Arlington, USA, MS in MIS
- Sweta Singh Chemnitz University of Technology, Germany, MS is MIS
- Ankita Das State University of Newyork, USA, MS in Computer Science
- Ipshita Singha Roy Indus Business Academy, Bangalore.,MBA
- Sumit Kumar Singh Indian Institute of Space Science and Technology, Thiruvananthapuram
- Shubhojit Ghuha Thakurata MTech, Kalyani University

Many more ...

Beyond Curriculum Training

GNIT offers new courses apart from the curriculum frequently to cope-up with new trends worldwide in the field of engineering educational. Apart from course work, the managerial skills, communication skills, leadership ability of the students are improved by conducting various **Personality Development Programme, Technical Skill Development and softskill development program.**

Personality Development Programme:

We organize Personality Development Programme classes for the students for improving their self-confidence, dynamism, communication skills, analytic approach and positive attitude etc. This will help them to prepare and face the challenges of Corporate World. The PDP classes are conducted by experts.

Technical Skill Development:

GNIT organizes Technical Skill Development program for all students in each semester. The main objective is to make students ready for the industry be offering training on the advanced technology, so that they can improve their technical skill and get better placement opportunities.

Soft Skill Development

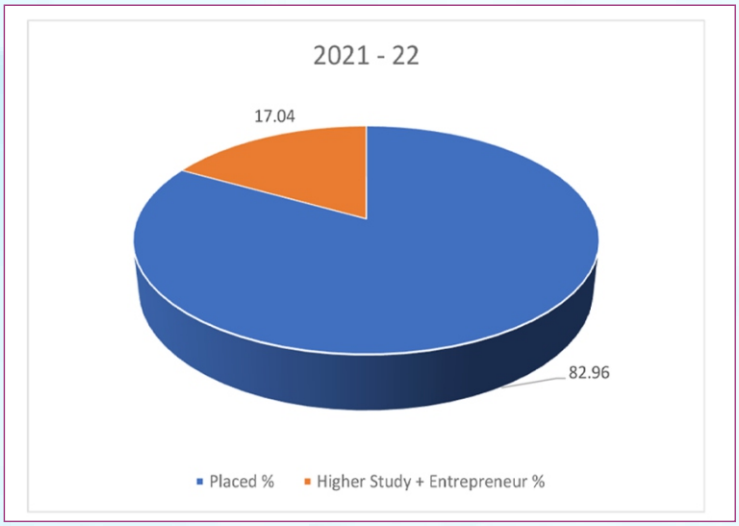
Soft Skills training is arranged for the students of each year to enhance their personalities, communication & to develop confidence to take on international competition. GNIT has tied up with various organizations to develop soft skills among.

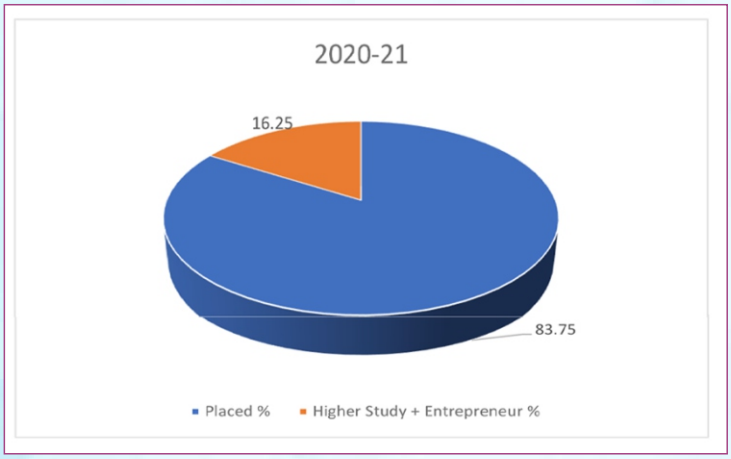
Industry Visit

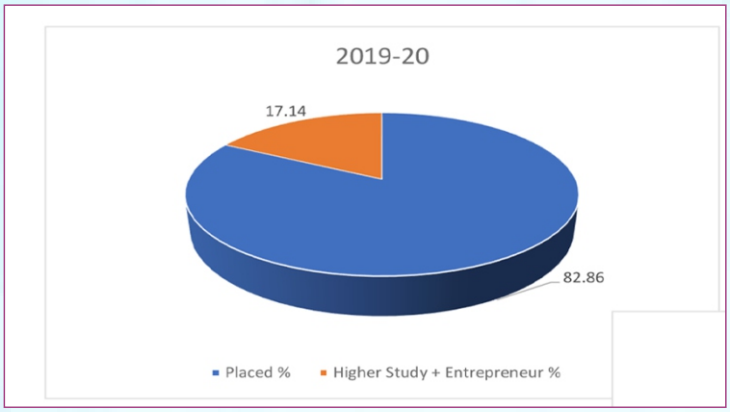
Industrial visit has its own importance in a career of a student who is pursuing a professional degree. It is considered as a part of college curriculum and objectives of industrial visit is to provide students an insight regarding internal working of companies. We know, theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work.

Industrial visits are arranged by different department of GNIT for the students with an objective of providing them functional opportunity in different sectors which also helps to combine theoretical knowledge with industrial activity. Industrial realities are opened to the students through industrial visits. Our college can provide all kind of assistance like transport, Financial assistance, students security during the visit when a department takes initiatives to organize an industry visit into different reputed companies like Amul, Frooti, Globesyn pvt ltd, Webskitters pvt ltd, Wipro, Ardent pvt ltd etc. In these companies, some important interactive sessions were arranged by their senior expertise group to describe the realistic formulation process about their product and services practically. Professional helps our students to understand different components of the products/services that they provide to their clients- front end, back end, app development, food processing, circuitry designing and much more. In single term Industry visit is a wonderful learning opportunity for all the students through which they become familiar with real life working process of any industry.

Placement Details







Student Publication

Cultivating top-quality scientific research is an important requirement for producing any fruitful innovation. On that occasion, Institutional R&D Cell is responsible for monitoring overall performances of student's research engagements in different research areas. From Student's perspective, **250+ National/International Conference papers, 100+Peer reviewed reputed journals** including some high quality **SCI/SCOPUS/Web of Science/Thomson Reuters** indexing has already published by various research publishers across the globe and lot of publications are progressing in faculty-student collaborative effort. Students are also published their research papers in different **UGC and Google scholar** related peer reviewed journal. They also participated as a speaker in various International Conference and achieve various kinds of awards.

To increase the no of student publication, so many national and international conferences, hands on workshops and seminars are being organized in regular basis. **ICORE, FEMAS, NSSAMCS, ISACS**, are some highly responded International conferences where students are participated as a paper presenter.

Patent & IPR

GNIT offers an international platform by providing its own international journal for publishing articles on original research initiatives, interpretative reviews and overviews on new developments in the realm of engineering, technology and also basic science fields. It also organizes different sponsored international conferences sponsored by IEEE, AICTE etc and presents a special platform by offering Special Issues with ISBN number, published periodically; these are the rich sources of information with contributions from noted academics and research scholars, in the upcoming areas.

Faculty members of the institute works with world are leading publishers of scholarly journals and books. All the journals are indexed by SCOPUS/Clarivate Analytics. Group encourages publishing the work in a good reputed SCI journals where students are the primary authors. Faculty members of JIS group are the regular reviewer of Elsevier, IEEE Transactions and having Collaboration with Taylor & Francis group USA which has facilitated a wide international readership for the journal along with high-quality logistic support and has added a professional finesse to the article they publish.

Writing a patent application requires a subject matter expert of GNIT made it possible by having a long journey towards it. GNIT with its own initiative has published hundreds of patents in last couple of years where students are the inventors. Few patents are granted and commercialized. The procedure for filing Patent application and its processing up to grant/commercialization is fully governed by an Expert who has outstanding excellence in this field.

Innovative Project Work

The Institution Innovation Council and the Entrepreneurship Development Cell of GNIT fostered several multidisciplinary projects which enabled the students to accomplish accolades nationally. Students come up with innovative projects and participate in **MHRD's Smart India Hackathon, ACM - Inter Collegiate Programming Contest, S4DS Hackathon, AICTE Chatra Vishwakarma Award** and several other platforms provided by the Industry. Several projects were funded by **JIS Idea-O-Meter** and students are working is different domains from **Antennas, Radio, Semiconductors, Artificial Intelligence, Machine Learning etc.**

Students Chapter

GNIT has different students' chapters to promote the research and innovations. Some of them are-

SESI Student Chapter

Recently SESI had inaugurated the first Institutional & student chapter in West Bengal. The GNIT Kolkata is the first institution in West Bengal where this chapter is inaugurated. GNIT had taken a lead by opening this chapter and start working on the latest sunrise industry. The student would have exposure to this sunrise industry. While they will participate in various activities of lecture, seminar, conference, and exhibition organizes, supported by SESI.

Name of the Faculty Coordinator: Dr. Barnali Kundu
(barnali.kundu@gnit.ac.in)

IE(I) Chapter

The Institution of Engineers (India) IE(I) head quartered in Kolkata, is a professional institution established based on a recommendation by the Sir Thomas Hulland, president of the Indian Industrial Commission during 1916-1918 to the Government of India. The IE(I) aims to promote the needs of the student community, acts as a platform to connect with global engineers and actively encourages R&D programs through various promotional aids. In addition, the IE(I) supports many types of activities such as Lectures, Seminars, Symposia, Workshops and other educational programs. Guru Nanak Institute of Technology (GNIT) has been nurturing academic brilliance in young minds by encouraging and promoting student chapters of various technical societies which has led to the formation of the GNIT-IE(I) Students' Chapter. The Institution of Engineers India (IEI) Students' Chapter at Guru Nanak Institute of Technology (GNIT), Kolkata is recognized as an authorized students' chapter approved by The Institutions of Engineers (India), Kolkata.

ISTE Chapter

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. At present, ISTE has a very large and an effective membership base throughout the country. It is a Professional Society giving many awards to Institutions, Teachers and Students for innovation and excellence in various areas of Engineering and Technology. Guru Nanak Institute of Technology (GNIT), Kolkata owes an Educational Institution Membership of ISTE for students. Various events like Inter departmental competitions, Quiz competitions, Guest Lectures, Workshops, Seminars etc. are organized under ISTE Student Chapter every year at GNIT.

IEEE Student Chapter

The IEEE Student Branch of Gurunanak Institute of Technology provides opportunities to meet and learn from fellow IEEE Student and Graduate Student Members and engage with professional IEEE members locally. IEEE Student Branch GNIT is one of the most positive elements of student's academic career, offering programs, activities, and professional networking opportunities that build critical skills outside of the classroom. IEEE Student Branch GNIT organized conferences, workshop etc at national as well as international level.

Name of the Faculty Coordinator: Dr. Sunipa Roy (sunipa.roy@gnit.ac.in)

National Cyber Security Cell

GNIT signed MOU with National Cyber Security Cell in the year 2019. This cell organizes workshops, webinars and seminars. Conducts short term training program phases on Cyber Security and Ethical Hacking. Spread awareness Boot Camp on Cyber Security to ensure a safe Cyber space in this digital world.

Name of the Faculty Coordinator:

Tridib Chakraborty (tridib.chakraborty@gnit.ac.in)

Name of the Student Coordinator:

Soumyadipta Basu, Information Technology, 3rd Year.

Mentorship at GNIT

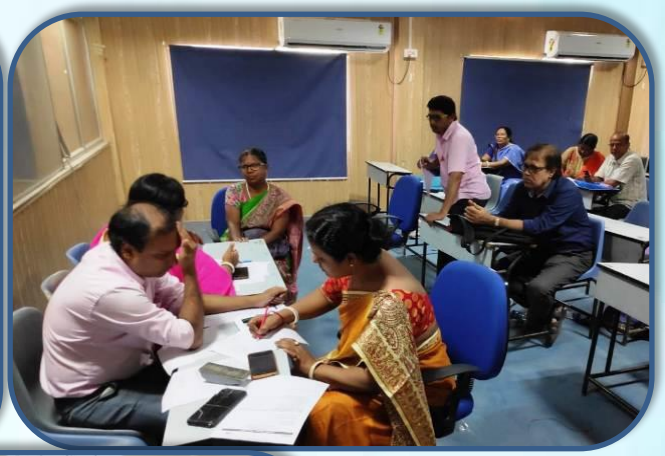
During times of transition — such as making the move from high school to college, or from college to first career - having adequate support that one can rely on is essential.

Our college has a unique mentoring relationship – one which is a very personal one, which is often important to the mentee. The mentors support students to improve their learning and leadership skills; and motivate them towards their future career development.

The small Mentor-Mentee ratio helps the Mentors to actively listen to individual student's scholastic and co-scholastic aspects, and teach valuable academic skills, as well as lifelong and professional tools.

Mentoring is more than just sharing knowledge -they help mentees identify their own goals and stay focused; and offer empowerment and encouragement to guide them to achieve their goals, or solve any challenges along the way.

Mentors act as a resource to the mentee whenever a need may arise and they leave an indelible impact on the life of the student in many ways.



Library Facilities

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.

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 : **55200**

Reference Books: **5334**

Hard copy Journal &Magazine : **31**

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 :**22509**

CD/DVD : **3293**

E-magazine: **5000+ E-Magazine and premium articles**

British Council Library

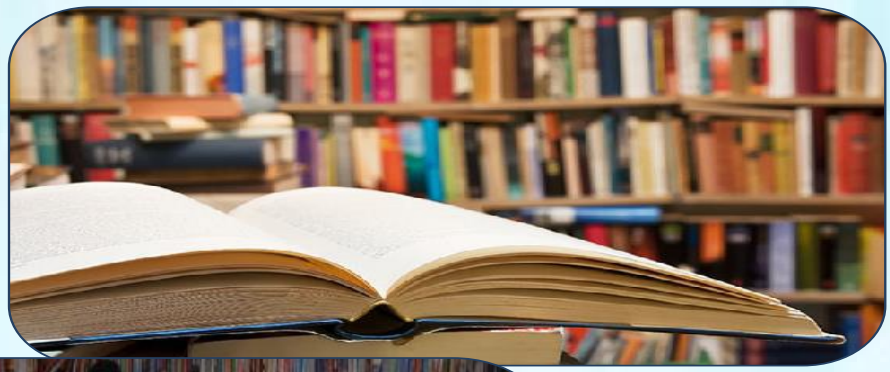
- ✓ Best current collection of British books and journals
- ✓ Training materials
- ✓ Professional training DVDs
- ✓ Management Workshops and Video- Screenings
- ✓ Business English skills development programmers
- ✓ Exclusive series of workshops
- ✓ Fully downloadable online resources (90,000 e-books, 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



Collaborations

Academic Collaborations at National & International Level

The institution has active collaboration with MHRD and AICTE as GNIT was the **Nodal centre of MHRD Smart India Hackathon (2017-2019), Nodal Centre ACM ICPC (2016-2020), QS- I Gauge, MHRD-AICTE Stanford University Project, MHRD Institution Innovation Council and Nodal Office – MHRD NPTEL & Swayam Courses**. For Foreign Exchange Programme GNIT collaborated with **AIT, Bangkok** and **Educational tours were arranged in collaboration with Russian and French agencies**. On a regular basis we collaborate with Industry Bodies, Corporate Organizations and educational bodies to engage our students in academic, entrepreneurial and extra academic engagements.

Research Collaboration:

The outstanding research work done in the institute's faculty members duly rewarded with several national and international recognition and awards. Faculty members are also recipients of the most prestigious national research fellowship and also advisory board members and regular reviewer of many reputed journals. Institute has the collaboration with Jadavpur University, CDAC (Kolkata) and many more for faculty, UG & PG students.

The institute has partnership with different universities across the world with which student/faculty exchange programmes and active collaborations for research are strongly encouraged.

Industry Collaboration:

GNIT ties-up with many industries to enhance the industry institute collaboration and bridge the academic gap. Our Institute has been successfully signed multiple number of MoU s with reputed industries and academicia among various field. Among them Globesyn Pvt. Ltd, MSME, Student exchange program & Research collaboration with Jadavpur University, CIDAC, Trident Tech-Lab, SMC (Smart Management Consultancy), Dept of food technology, Bundelkhand University, Jhansi, VABL(Vedanta Agro bio Limited.), India Internet Foundation, Electromech & Transtech pvt. Ltd., Ardent Pvt. Ltd, Ogmatech Lab etc. All these industries provide training to our students in collaboration with our institution.

Internship Facilities

GNIT provides opportunities to the students to carry out internships. Students get themselves registered for Online Internship mostly via **Internshala** – an internship partner of AICTE. The monthly remuneration offered to them ranges from Rs 3000/- to **Rs 30,000/-.** Even in the recent months also, many students got offer letters from different industries like **E-Cell IIT Bombay, Tryst IIT Delhi, BITSMUN Pilani-BITS Pilani, United Nations Volunteer, International Model United Nations** etc. for Online Internship. It gives the students an exclusive experience of Work from Home culture and on job experience. They can earn money sitting at home during study.

Institution Innovation Council

Preincubation

GNIT is working on igniting the ideology of starting own ventures amongst the students. The youth of today needs to be more inclined towards creating jobs rather than getting one. Therefore, to assist the students to become self-employed and create employment opportunities, the institute has come forward to provide support in every possible manner. For this purpose GNIT Pre-Incubation Cell has been setup in 2019 which is working as a catalyst for entrepreneurship development within the institute and also for other aspiring youth.

EDC

Entrepreneurship is increasingly recognized as an important driver of economic growth of a country. Even Govt. of India has recognized the importance of entrepreneurship and has introduced programs like "Make in India" & "Start-up India".

The aim of Entrepreneurship Development Cell (EDC) at Guru Nanak Institute of Technology is to develop and strengthen entrepreneurial qualities in the budding professionals who are interested in starting their own ventures. The College provides infrastructure and technical support to the students having innovative ideas to transform into new products and services for the betterment of the society. The EDC also assists all the aspirants with mentoring, planning and execution of their start up idea into a real business. The EDC has maintained a pool of Sponsors like banks, national entrepreneurship training agencies and suppliers, who are willing to aid budding entrepreneurs.

Hence an Entrepreneurship Development Cell was constituted in the college with a dedicated team of actively working faculty who has an industry exposure along with some student representatives. Aspiring engineer entrepreneurs are groomed with the necessary inputs on how to be a successful entrepreneur through workshops and seminars by eminent people from the industry. At GNIT, we

encourage the students to consider self-employment as a career option, providing necessary training in Entrepreneurship skills through standardized courses. The cell also organizes different activities and events from time to time to train and motivate the students on entrepreneurship.

Objective of EDC

- To act as an institutional mechanism for providing various services including information to budding student entrepreneurs.

- To create Entrepreneurial culture in the Parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmes related to women and weaker sections of the society

- To foster better linkages between the Parent Institution, Industries and R&D institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including NGOs and other Voluntary Organizations.

- To catalyze and promote development of S&T based Enterprises and promote employment opportunities

- To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and Micro Enterprises.

Start-up Facility at GNIT

GNIT motivates and encourages student to bring-up their own startup to strengthen the economics backbone of the country. Many startups of students at GNIT are running successfully and they become the recruiters. Some of the successful startups are:

- ✓ **Research Mantra Pvt. Ltd.** by Mr Saumyadeep Bhattacharyya, 2nd Year 4th Semester, ECE.
- ✓ **GROWEVERY Pvt. Ltd**. by Mr Saumyadeep Bhattacharyya, 2nd Year 4th Semester, ECE
- ✓ **Sanhita Distribution Pvt. Ltd**. by Shreya Dey, MCA 1st Year
- ✓ **Chocoholic house Pvt. Ltd**. by Writtika Das, 3rd year, FT
- ✓ **Happy 2 Learn Pvt. Ltd.** by Ashesh Roy Choudhuri, 3rd Year CSE
- ✓ **JIS Solar Power** by Mr. Subhajit Dutta, 2nd Year, EE
- ✓ **TECHEXTREMIS Pvt. Ltd.** by Soumyajit Dutta, 3rd year, AEIE
- ✓ **ITExperience TechnicaPvt. Ltd.** by Soumyadipta Basu, 3rd Year, IT
- ✓ **GNIT Media Pvt. Ltd.** by Saurjaynee Biswas (FT), Srijit Pal (CSE), Diganta Das (CSE)

Institution Innovation Council (IIC-GNIT) under MHRD

Institution Innovation Council (IIC-GNIT) had been constituted in our college in 2018 as per the guidelines of the Ministry of Human Resource Development Innovation Cell (MIC)

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years.

MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. A network of GNIT's IIC has already been established to promote an innovation eco-system in the campus.
Guru Nanak Institute of Technology has been awarded 5 star certificates and ranked highest in the eastern India.

Name of the Faculty Coordinator: Dr. Sunipa Roy (sunipa.roy@gnit.ac.in)


Ministry of Education
Government of India

MoE's INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL

AICTE

CERTIFICATE

Institution Innovation Council (IIC) established at

GURUNANAK INSTITUTE OF TECHNOLOGY, KOLKATA

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2019-20.

Prof.Anil D.Sahasrabudhe
Chairman, AICTE

Sh. Amit Khare
Secretary, Department of Higher Education, MOE

Dr. Abhay Jere
CIO, MOE, Innovation Cell

Certificate No : 232

Issued On : 2020-09-22

Academic Exchange Program

Guru Nanak Institute of Technology under JIS GROUP organizes the summer camp and International Knowledge Exchange Programme In collaboration with **Asian Institute of Technology, Bangkok and iExpert Academy, ROSCONGRESS, Russia**.

The students acquired hands on training, seminars, projects and workshops. This International Academic Endeavour will engage students in multidisciplinary and collaborative work encompassing modern Science and Technology.

The tour offered immersive interaction through seminars, workshops and technical discussions with the **Professors, Industry Stalwarts and Researchers from reputed Universities.**

Food and Beverage Facilities

The Canteen is located inside the Campus which accommodates 150 students at a time. The Canteen is operational with full support and is available from 7:00 am to 11:00 pm. The students in the hostels are served 5 times a day from morning tea to dinner. The hostellers and Day Scholars are accommodated with quality food ensuring food safety measures. The Canteen food is also availed by faculty, Staff and guests. All kinds of food are available along with refreshments and beverages.

Students' Common Rooms

GNIT facilitates the students with two common rooms – 1 for Girls and the other for Boys. The common room has a chat lounge where students can socialize and ideate. The facility is spacious and offers recreation through magazines and Newsletter Corner, Display Board to showcase creative works of students in Art, literature, science and engineering. The common room has Table Tennis, Carom and Chess for students to delve in positive engagements. The Projector allows students to watch Sports and other programmes on the Wall Screen. Students also celebrate Birthdays and Achievements of their peers.

Bank ATM Facility Inside The Campus

State Bank of India is operational inside the Campus with 24 hours ATM Facility and Passbook Kiosk. The banking facility inside the Campus caters to all the students and it's a one stop banking solution for the Hostellers and Day Scholars.

Campus Security

The Campus is protected with 24x7 securities comprising of male and female guards from professional agencies. The Campus is well secured with night patrolling. The entire campus is guarded with high perimeter wall and adequate high power lights for the safety of the students and guests. With more than 100 CCTV cameras the infrastructure and entrance and exit points are well scanned 24x7 from the CCTV Control Room.

Hostel Facility at GNIT

The Campus has a dedicated Girls Hostel. There are 2 Boys Hostel. The Hostel Warden takes care of the inhabitants by providing facility management services for all residing in the hostel. Adequate Support and housing staff caters to the students i.e.: Food, Cleanliness, Hygiene, maintenance etc. Entry and exit is documented and approved by Security Service. Night guards are deployed for added security

Gymnasium and Sports Facility

The fitness center caters to the holistic development of the students. One gets an opportunity to revive psychological and physical health through treadmills, cross trainers, cycling, free hand, weight along with Yoga and Meditation.

Converting every individual into a self-reliant and independent citizen, the college provides a blending of scholastic and co-scholastic activities. The college strives to provide facilities in a nurturing environment to the students for a holistic development and hence lays emphasis on physical activities.

GNIT boasts of an excellent basketball court besides a sprawling playground.

The college organizes **Sardar Jodh Singh Challengers Trophy – Annual Cricket Tournament**, apart from **Annual Sports Meet.**

The Institute also encourages students to actively take up team games and participate in **intra-college** and **inter-college competitions**; and state and national competitions to improve their game and at the same time to keep up their spirit of sportsmanship.


GNIT
TERCOLLEGE
echnology

Anti-ragging Regulations

Ragging is a heinous crime. Our institute has a zero tolerance approach towards ragging. If anybody is found to be guilty of ragging then as per the guidelines of Hon'ble Supreme Court, he/she will be expelled from the institute. In the near past, ragging was the most fearsome aspect of a fresher's days in college and hostel. Ragging in the past had caused many deaths and led to suicides. Many students dropped out of their course of study and many more students suffered physical injury.

In order to provide the students a safe and secured institute where they can breathe easy and continue with their studies without any fear of ragging, the institute has an active Anti Ragging Committee and an Anti Ragging Squad which carry out strict vigil in the college premises and the hostels.

Following steps are taken to prevent any incidence of ragging:

1. CC camera monitoring of the college premises
2. Deployment of security personnel near 1st year classrooms to keep the senior students away
3. Conduction of programs to spread awareness against ragging
4. Students are required to submit a mandatory anti-ragging declaration online
5. A written undertaking is collected from the students at the time of admission that they would not be involved in any act of ragging.

Name of the Coordinator:
Dr. Adish Kr. Chakroborty (registrar_gnit@jisgroup.org)

Committee

Women Grievance Committee

The Women Grievance Committee of GNIT provides protection against sexual harassment of women at workplace. It is for the prevention and Redressal of complaints of sexual harassment and for matters connected therewith or incidental there to.

Sexual harassment includes such unwanted sexually determined act (whether directly or indirectly) as:

- Physical contact and advances
- A demand or request for unwantedl favours
- Showing offendable images and contents
- Any other unwelcome physical, verbal or non-verbal conduct of sexual nature

Name of the Coordinator:

Dr. Sucharita Bhattacharya (sucharita.bhattacharyya@gnit.ac.in)

Student Discipline Committee

This committee takes punctuative measure for the students who indulge in in-disciplinary activities in the campus or during the campus recruitment programme.

It is the duty of the Discipline Committee to ensure compliance with the provisions of UGC/AICTE Regulations.

Name of the Coordinator:

Dr. Adish Kr. Chakroborty (**registrar_gnit@jisgroup.org)**

Student Council

Student Council is an organization conducted by students and supervised by Faculty. The purpose of the student council of GNIT is to provide students an opportunity to develop leadership by organizing and carrying out different activities and service towards the society. The student council of GNIT helps and shares student ideas, interests and concerns with the other concerned committee.

President: Dr Sunipa Roy , sunipa.roy@gnit.ac.in

IQAC Cell

As per National Assessment and Accreditation Council (NAAC) guidelines, an Internal Quality Assurance Cell (IQAC) has been established at Guru Nanak Institute of Technology in the year of 2015 as a post-accreditation quality sustenance measure. IQAC is a part of the institution's system and works towards realization of the goals of overall quality enhancement of the institution. The process of internal quality assessment is a continuous process and IQAC, GNIT is doing its best for improving the overall quality of the institution. The IQAC, GNIT is led by honourable Principal of the Institution, Prof. (Dr.) Santanu Kumar Sen as Chairman of the cell ably helped by all Professors, Associate Professors of the institution, Head of the departments, along with administrative and management personnel.

The functionalities of the IQAC cell includes

- the setup of CII innovation Centre,
- filing of a good number of workable Patents, signing of MOU with reputed Industries undertaken for working on R&D problem,
- organization for national and international seminars, conferences, giving assistance for applying funds in various Govt. And Non-govt. Agencies,
- organization of various national and international competitions,
- formation of E-Books repository for library, arrangement of need based tutorial sessions arranged on GATE, GRE, MAT, CAT, Civil Service Examinations etc.,
- Making the campus a Green Zone by incorporating E-Waste management, Water and Energy saving schemes etc.,
- Organization of gender equity promotion programmes,
- Establishment of different clubs viz. Robotics, Cultural, Coding clubs, Photography Club etc.,
- Conduction of programs for promotion of universal Values and Ethics,
- Arrangement of various activities regarding the extension activities and Institutional Social Responsibilities (ISR) through NSS like Visit to Old age home, Programs for increasing Environment Consciousness , Visit to the Orphanage Home etc.

Student Societies & Clubs

Coding Club-Bit2Byte

Bit2Byte, the official coding club of GNIT has always been a club with the intention to propagate the interest for programming in every domain, be it application development, competitive programming, artificial intelligence, IoT or networks and security. The main aim of the club is to help the students of GNIT to follow their passion in coding and build a community around it where we learn together. We hold sessions, workshops and competitions among ourselves with the motive to be a better engineer as a whole.

Name of the Faculty Coordinator:

Mr.Tridib Chakrabort (tridib.chakraborty@gnit.ac.in)

Name of the Student Coordinator:

Adarsh Pandey, 3rd year, Computer Science and Engineering

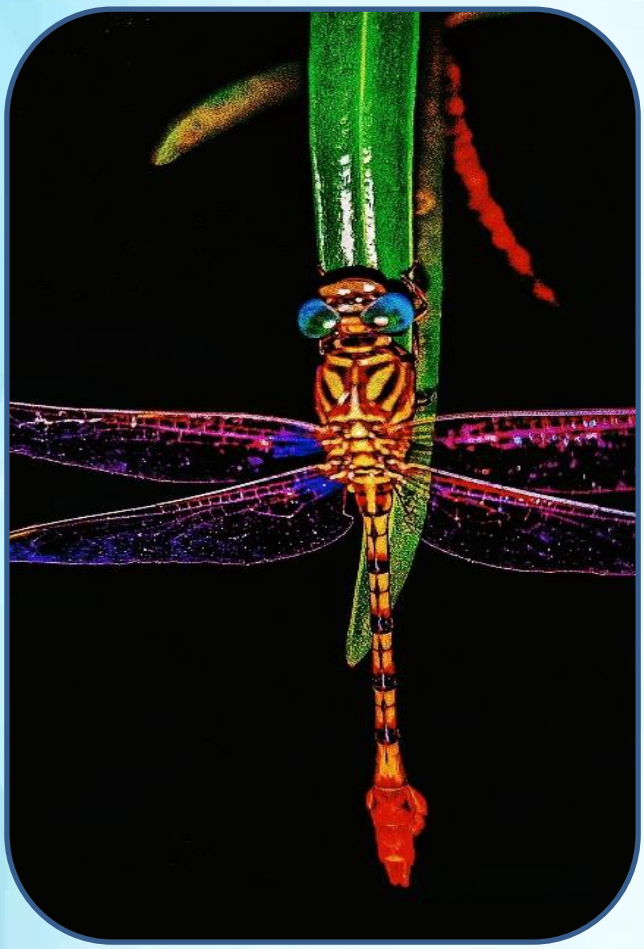
Photography Club

Photography is a brilliant diversion and has proved to be very popular among the students. The Photography Club of GNIT focuses on organizing and collecting fine photographic shots and participating in photographic competitions.

The aim of the club is to promote photographic interest and exchange ideas and share experiences, views and thoughts. The club organizes various lectures, demonstrations, and competitions. It is our practice to welcome everyone with an interest in photography, regardless of their experience.

Name of the Faculty Coordinator:

Mr. Shantanu Chakravarty(shantanu.chakraborty@gnit.ac.in)



Cultural Club

Cultural activities form a major part of the education with a holistic perspective. The main motive of the committee is to provide a platform for students to improve their interpersonal and artistic skills and to showcase their talent. While preparing for the grind of a corporate atmosphere, cultural activities serve to reinvigorate the students and help them to hone their skills and creativity. There is no better way to learn to connect to their fellow men than through a shared experience of culture. The committee aims to improve the bonding of students with the college by celebrating Teachers' day (**Ujan**), organizing Fresher's Welcome (**Sampan**), Annual Fest (**Zyzzva**), Farewell (**Twilight**) etc. Also various cultural activities are organized occasionally for the faculty and staff members of the college.

Name of the Faculty Coordinator: Dr. Sucharita Chakrabarti
(sucharita.chakrabarti@gnit.ac.in)

Name of the Student Coordinator: Deblina Sen(FT)
Sagnik Gope(CSE)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২০১৭
৩-৫ নভেম্বর ২০১৭ | মোহরকুঞ্জ, কলকাতা
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LIFE IS FULL OF DRAMA,
WHY NOT JOIN THE CLUB?

Technical Fest Club

Technical Fest is a subject of glory and pride for any technical institution. **Tesseract**, the 2 day long official technical fest of GNIT really showcases some exceptional talents and quality of growth among the technical students. Events of different domains motivate students to participate and gain competitive and professional skills, and also give a boost to their passion.

Tesseract really focuses on innovation, ideas and great implementation so that they can truly impose positive effects of technology on society. Events like model display brings out the innovative ideas from students, coding events expand logical abilities of competitive coders, robotics event help students think out of the box and nurture their creativity. Tesseract also focuses on joy and entertainment of extracurricular activities so other events like gaming, poster presentation, graffiti, short films etc. were attractive to participants. Tesseract 2020 was such a hit event and also carried the tradition of passionate and greater technical fests.

Name of the Faculty Coordinator: Prof. Tridib Chakraborty (tridib.chakraborty@gnit.ac.in)

Prof. Suparna Maity (suparna.maity@gnit.ac.in)

GNIT Mahakash – The Space Club

The main objective of the club is to provide a hands-on approach to the students so they can broaden their vision and knowledge of astronomy and space science (Including rocket science, astrobiology, astrophysics, astronomy, etc). It will help students to express their opinions to a group and achieve goals working in teams with a professional manner. In the near future they can combine their field with
astronomy and space science too. Visits from professional guest lecturers and College Club space and astronomy camps will provide inspiration and innovation. The Club aims to develop an astronomical society engaging multidisciplinary engineering.

Name of the Faculty Coordinator:

Dr. Soma Mukherjee (soma.mukherjee@gnit.ac.in)

GNIT media

GNIT Media is a student and teacher run club which compiles all the services provided by a media production institution starting from Event Management, Application Development, Design and Content Development, Career Counselling & Profile Building and major media services revolving around animation, photography, printing and publication, Videography & VFX.

Name of the Faculty Coordinator:

Mr. Shantanu Chakravarty (shantanu.chakraborty@gnit.ac.in)

GNIT ECO Club

The **GNIT ECO Club** in association with the Dept of Applied Science & Humanities and Community Connect Club, GNIT , establishe on March 2022. **GNIT ECO Club** organized a **Plastic Collection Drive** and **Awareness Rally** by students on the occasion of **World Earth Day**, **22nd April 2022**. Keeping in sync with the theme for Earth Day 2022 - "**Invest In our Planet**", the **Green Volunteers** played an instrumental role in striving to achieve a sustainable environment by actively collecting plastics and by participating in the Awareness Rally.

Name of the Faculty Coordinator:

Secretary: Dr. Sreyasree Basu

Joint Secretary: Dr. Indrajit Bose

National Service Scheme

It was Gandhiji, the Father of the Nation who introduced the idea of *service to the nation* by the youths through practice at the student level keeping in view their social responsibility. After independence, UGC, headed by Dr. Radhakrishnan recommended to incorporate social service at academic institutions on a voluntary basis to develop healthy relationships between teachers and students as well as between the community and the institutions. So National Service Scheme (NSS) is a social education, awareness and amelioration program involving young people in the betterment of socio-economic conditions and working towards environment protection.

Basic aim is the personality development of the students through community service i.e to inculcate the spirit of service in students and redirect their attention to the weaker or underprivileged sections of society. To establish the concept of ***Not Me, but You*** in the society through selfless service, democratic living, appreciation for others' ideas and consideration for fellow human-being showing ***Empathy*** in place of sympathy.

The NSS Programme at Guru Nanak Institute of Technology had its beginning in Odd Semester **2010**, under the aegis of the compulsory subject (Code: XC181, later HU 182) in the 1st Year B. Tech course newly introduced in the revised syllabus of WBUT (now MAKAUT) in that year. The teachers of Applied Science and Humanities Dept, under the coordination of the HOD, Dr.Sucharita Bhattacharyya, successfully implemented various programs where 1st Semester B. Tech. students undertook following activities:

i. Orientation Programme on NSS
ii. Cleaning activities in the college ground and the classrooms
iii. Tree planting &
iv. Making awareness posters on social issues.

GNIT's NSS programme has been running without a break since then.

In the meantime in 2016, MAKAUT has taken the initiative to start NSS SFUs, initially at some of its selected institutions. GURU NANAK INSTITUTE OF TECHNOLOGY (GNIT) has got the opportunity to work as one of the SFUs under NSS from very beginning. Here required financial assistance has to be arranged by the institute itself.

Some of the important Activities are mentioned here:

The student volunteers under GNIT NSS Unit (SFU) were engaged with different types of activities:-

a) Cleaning Activities (College grounds and classrooms)
b) Participation in various awareness programs (Anti plastic campaign, Walk for the Book, Walk for Environment, Walk for Save Water, Rally on Dengue and Scrub Typhus, 'Swachhata' Run for Unity and many others as well)
c) Poster preparation and presentation on various social and awareness issues by the students (Like, Poster competition on Save Water & Save Electricity, Women Empowerment, Environmental issues, Save Tiger & Save Wildlife etc.)
d) Donation of clothes by the students to the needy people through different charitable organizations.
e) Initiative taken by the students in raising the benevolentfunds from their one-day pocket money (Rs. 40-50) to utilize it for various social activities (funds collected for ***Save Tiger Project*** through World Wildlife Funds or **WWF.** The recognition (a panda soft toy, a jute bag and the certificate) came from WWF in their endeavour.
f) Tree planting
g) Community services in various forms:-
    - Organizing of Blood donation camp in collaboration with MCA Dept.
    - Distribution of education kit, food packets and sweets to the under privileged students of the local slum area through the primary school adjacent to our college.
    - Distribution of sweets and fruits with the inmates of the old age home in the college surrounding locality to celebrate Deepabali with them.
    - Celebration of Children's day with the inmates of "Goonj - Charitable Society" & "Govinda Home - Orphanage for Girls" to stand by our fellow countrymen and the sweet & innocent children, using urban discard as a tool to alleviate poverty and enhance the dignity of the underprivileged in the world.
    - Distribution of relief to the villagers in the Sunderbans affected by Amphan in May 2020.
    - Distribution of Educational kit, mask, sanitizer, chocolates and sweets among the Sabar girls students from Belpahari, Jhargram at Satyabharati orphange in Nabagram, Hooghly.

- Participation in a blanket distribution programme among the needy in association with the NGO "Pragati"at Dum Dum station.

h) Celebration of commemorative days and events like, Rabindra Jayanti, International Yoga day, Constitution day, Earth Day, International Women's day in association with WGRC, GNIT etc.

i) Green Campus Initiative:-

- Initiation taken in cleaning college surrounding area in association with Panihati Municipality. In this regard, application was given to the Chairman, Panihati municipality. In response to our application, Sanitation Inspector and other officials visited our college campus and college surrounding area and assured us to cooperate in our initiative. We are hopeful to get help from their side in near future.
- Initiation taken to bring the treated surface water to the college campus from the water treatment plant (under Ganga Action Plan project), Sodepur in order to reduce the use of ground water. In this regard, application was given Panihati municipality and water is made available from Ganga Action Plan by GNIT NSS Unit (SFU).

And many more…..

Name of the Faculty Coordinator:
Dr.Sucharita Bhattacharyya, Convener, GNIT NSS Unit (SFU)
Dr. Mainak Debnath, Program Officer, GNIT NSS Unit (SFU)

Name of the Student Coordinator, year, department: Anargha Bose, 1st year CSE and Sankhadeep Das, 1st year ECE

Tree Plantation program

Awareness program and rally with awareness posters on Dengue and Scrub Typhus

Blood Donation Camp is going on

Money and Cloth donation by the students to different charitable organization

Celebration of International Yoga day

Meeting with Chairman and Sanitation Inspector of Panihati Municipality regarding surface water connectivity

Surface water (made available from Ganga Action Plan) supply line connected with main water reservoir

NSS Unit, GNIT visited the old age home and distributed fruits and sweets among the inmates

Distribution of Educational kit, mask, sanitizer, chocolates and sweets among the Sabar girls students from Belpahari, Jhargram at Satyabharati orphange

Poster preparation and presentation by the students on various issues

Cleaning of the classrooms and labs by the students