



Ghani Khan Choudhury Institute of Engineering & Technology

(A Centrally Funded Technical Institute under the Ministry of H.R.D., Govt. of India)

Narayanpur, Malda - 732141, West Bengal

Mandatory Disclosures*

1. Name of the Institution:

GHANI KHAN CHOUDHURY INSTITUTE OF ENGINEERING & TECHNOLOGY

- Address including Telephone, Mobile, E-Mail

Narayanpur- 732141, Malda, West Bengal

E-mail: director.gkciet@gmail.com

Mobile: (+91) 8974055106

2. Name and address of the Trust/ Society/ Company and the Trustees:

Ghani Khan Choudhury Institute of Engineering & Technology Society

- Address including Telephone, Mobile, E-Mail

Narayanpur- 732141, Malda, West Bengal

E-mail: director.gkciet@gmail.com

Mobile: (+91) 8974055106

3. Name and Address of the Vice Chancellor/ Principal/Director

Prof. Parameswara Rao Alapati

- Address including Telephone, Mobile, E-Mail

E-mail: director.gkciet@gmail.com

Mobile: (+91) 8974055106

4. Name of the affiliating University

Programs	Affiliating Board/University
B. Tech	Mauana Abul Kalam Azad University of Technology, West Bengal
Diploma	West Bengal State Council of Technical & Vocational Education & Skill Development, Kolkata

5. Governance

- Members of the GKCIET Society and their brief background

Sl. No.	Name and Address of the Members	Description
01.	Shri R. Subrahmanyam Secretary, Ministry of Human Resource Development, Shastri Bhawan, New Delhi.	Chairman (Ex-Officio)
02.	Prof. P. R. Alapati, Director, Ghani Khan Choudhury Institute of Engineering & Technology (GKCIET), Malda, West Bengal	Member (Ex-Officio)
03.	Smt. Roshni Sen, IAS Secretary, Department of Technical Education Govt. of West Bengal	Member (Ex-Officio)
04.	Prof. D. P. Singh Chairman, University Grants Commission, New Delhi	Member (Ex-Officio)
05.	Prof. Anil Sahasrabudhe, Chairman, All India Council of Technical Education, New Delhi	Member (Ex-Officio)
06.	Shri Madhu Ranjan Kumar, Joint Secretary (DL & A), Ministry of Human Resource Development, Shastri Bhawan, New Delhi.	Member (Ex-Officio)
07.	Smt Darshana M Dabral Joint Secretary & FA, Integrated Finance Bureau, Govt. of India, Dept. of Higher Education, MHRD Shastri Bhawan, New Delhi	Member (Ex-Officio)
08.	Shri Sanjeev Kumar Sharma Director (NITs) Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi.	Member (Ex-Officio)
09.	Shri P. Sasi Kumar, Deputy Secretary (TE), Ministry of Human Resource Development, Shastri Bhawan, New Delhi.	Member (Ex-Officio)

- Members of the Board and their brief background

1	Shri Saumitra Sarkar Chairman, BoG GKCIET, Malda	Chairman
2	Shri Madhu Ranjan Kumar Joint Secretary (DL & A) Dept. of Higher Education, MHRD, New Delhi	Member
3	Smt Darshana M Dabral Joint Secretary & FA, Integrated Finance Bureau, Govt. of India, Dept. of Higher Education, MHRD Shastri Bhawan, New Delhi	Member
4	Dr. R.S. Shukla, IAS Addl. Chief Secretary, Dept. of Higher Education, Science & Technology and Bio-technology, Govt. of W.B, Bikash Bhavan, Salt Lake, Kolkata	Member
5	Smt. Roshni Sen, IAS Principal Secretary, Dept. of Technical Education Training & Skill Development, Karigori Bhavan, Rajarhat, Kolkata	Member
6	Dr. (Ms.) Tessy Thomas Director General of Aeronautical Systems, Ministry of Defense, GoI, Suranjan Das Rd, HAL 3 rd Stage, C V Raman Nagar, Bengaluru, Karnataka.	Member
7	Prof. (Ms.) Geetha Bali, Ashutosh Mukherjee Fellow Chief Scientific Officer, Cell space Research Foundation, Chairperson, Board of Governors, Moulana Azad National Institute of Technology, Bhopal	Member
8	Prof. Pushpak Bhattacharya Director, Indian Institute of Technology, Patna Bihta Kanpa Road, Bihar	Member
9	Dr. Nilkanta Barman Associate Professor & Dean-Acad, P & D, GKCIET, Malda	Member
10	Prof. P. R. Alapati Director, GKCIET, Malda	Member Secretary

- Members of the Building and Works Committee and their brief background

01	Prof. P. R Alapati Director, GKCIET, Malda	Chairman
02	Shri Madhu Ranjan Kumar Joint Secretary (DL & A) Dept. of Higher Education, MHRD, New Delhi	Member
03	Prof. S.P. Singh Dept. of Civil Engineering NIT, Rourkela, Odisha	Member
04	Prof. Dipankar Bose Dept. of Mechanical Engineering NITTTR, Kolkata	Member
05	Dr. Sarsing Gao Dept. of Electrical Engineering NERIST, Nirjuli Arunachal Pradesh	Member
06	Dr. Nilkanta Barman Associate Professor (ME) & Dean- Acad.-P&D, GKCIET, Malda	Member/Member Secretary

- Members of the Finance Committee and their brief background

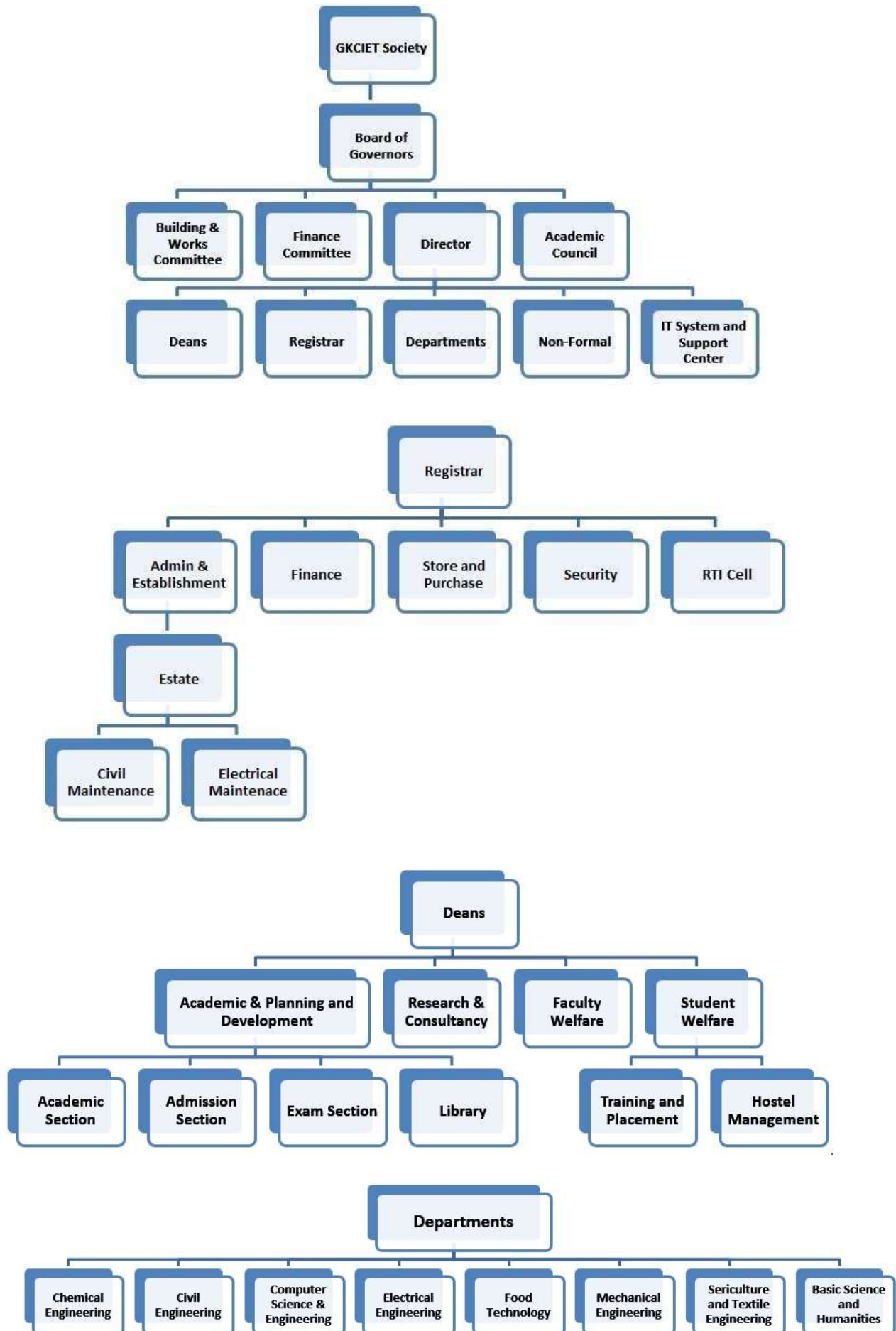
Shri Saumitra Sarkar Chairman, Finance Committee GKCIET, Malda	Chairman
Shri Madhu Ranjan Kumar Joint Secretary (DL & A) Govt. of India Dept. of Higher Education, MHRD, New Delhi	Member
Smt. Darshana M Dabral Additional/Joint Secretary & FA, Govt. of India, Dept. of Higher Education, MHRD, New Delhi	Member
Prof. S. S. Pattnaik Director, NITTTR, Chandigarh	Member
Prof. Ayon Bhattacharjee National Institute of Technology, Meghalaya	Member
Prof. P. R. Alapati Director, GKCIET, Malda	Member Secretary

- Members of Academic Advisory Body / Academic Council

Sl. No.	Name of the Member	Designation	Position
1	Prof. Parameswara Rao Alapati	Director, GKCIET, Malda	Chairman
2	Prof. P. Parida	Dean (Academic) NERIST, Itanagar	Member
3	Prof. Gargi Das	Professor & Head Dept. of Chemical Engineering IIT, Kharagpur	Member
4	Prof. A. Arunachalam	Principal Scientist ICAR, Krishi Bhawan, New Delhi	Member
5	Mr. Goutam Kumar Ghorai	Assistant Professor & HoD, EE GKCIET, Malda	Member
6	Mr. Haradhan Sarkar	Assistant Professor & HoD, CE GKCIET, Malda	Member
7	Mr. Subrata Roy	Assistant Professor & HoD, CSE GKCIET, Malda	Member
8	Mr. Sudip Kumar Das	Assistant Professor & HoD, FT GKCIET, Malda	Member
9	Mr. Habib Masum	Assistant Professor & HoD, ME GKCIET, Malda	Member
10	Mr. Shib Shankar Chowdhury	Assistant Professor & HoD, GS&Hu GKCIET, Malda	Member
11	Md. Jigar Ali	Sr. Trainer & In-Charge, Non-Formal GKCIET, Malda	Member
12	Mr. Uttam Kumar Ghosh	Assistant Librarian GKCIET, Malda	Member
13	Dr. Surajit Chattopadhyay	Associate Professor & Dean (R & C) GKCIET, Malda	Member
14	Dr. Nilkanta Barman	Associate Professor & Dean (Academic) GKCIET, Malda	Member / Member Secretary

- Frequently of the Board Meeting and Academic Advisory Body
BoG and Academic Council meetings are held as per requirement in a period of three months usually.

- Organizational chart and processes



- Nature and Extent of involvement of Faculty and students in academic affairs/improvements

Participants	Events
Students	Yoga Camp
	Tech Fest under MAKAUT
	Cultural Programs
	Let's Make Corruption Free India
	Industrial Visit
	--
Faculty Members	The insights of Prof. Saikat Maitra, Hon'ble Vice Chancellor, MAKAUT, WB about the new academic ecosystem on March 19 (Tuesday), 2019 at 11.30 noon in the Conference Room of Siliguri Institute of Technology, Sukna, Siliguri.
	International Conference on Digital Pedagogies- Changing Mindsets for Sustainable Learning, April 1-2, 2019 at AICTE Auditorium, New Delhi, India
	Microsoft Workshop on Transforming Education through Technology on April 03, 2019 at AICTE Auditorium, New Delhi, India
	Workshop on Digital Pedagogies: The Learners Future. Venue: Maulana Abul Kalam Azad University of Technology, West Bengal, Salt Lake Campus
	--
Faculty and Staff Members	Swachha Bharat Abhiyan (Gandhi Jayanti)
	Celebration of Rabindra Jayanti
	Celebration on Yoga Day
	Birthday Celebration of Netaji Subhas Chandra Bose
	Celebration of Republic Day
	Birthday Celebration of Sardar Ballavbhai Patel
	Celebration of Independence Day
	International Language Day Celebration
	Celebration of Institute Foundation Day
	Birthday Celebration of Dr. B. R. Ambedkar
	Celebration of Womens' Day
	Organize Blood Donation Camps
	Other Occasions as per GoI instructions

- Mechanism/ Norms and Procedure for democratic/ good Governance
Please see the link:
["http://gkciет.ac.in/information_center/academic/Disciplinary%20Rules%20for%20students.pdf"](http://gkciет.ac.in/information_center/academic/Disciplinary%20Rules%20for%20students.pdf)
- Student Feedback on Institutional Governance/ Faculty performance
Considered as per requirement.

- Grievance Redressal mechanism for Faculty, staff and students



E-mail: ar_est@gkciet.ac.in

Ghani Khan Choudhury Institute of Engineering & Technology
(Centrally funded Institute and Established by Ministry of H.R.D., Govt. of India.)
Narayanpur, Dist: Malda, Pin- 732141, West Bengal

Memo No: GKCIET/630 Date: 16.02.2018

OFFICE ORDER

In order to ensure transparency in admissions and with paramount objective of preventing unfair practices in the Institute, Director is pleased to constitute a Grievance Redressal Committee with the following members to provide a mechanism to the students, teaching and non-teaching staff for Redressal of their grievances.

Sl. No.	Name	Designation
01.	Bikarna Tarafdar – Assistant Professor/Gs. & H.	Chairman
02.	Deepanjan Das – Assistant Professor/Gs. & H	Member
03.	Md. Abdur Rajjaque – Assistant Registrar (A&E)	Member
04.	Debadrita Roy - Trainer /CSE	Member
05.	Hasibur Rahaman - Trainer/ME	Member
06.	Gopinath Rajbanshi - Student, CSE	Member*
07.	Bipasha Ghosh - Student, FT	Member*

For email ID and contact number of each member, please search at www.gkciet.ac.in.
*In case of issues related to grievance of students.

A complaint shall be filed individually in writing along with relevant documents (if any) by an aggrieved student or his/her parents, teaching and non-teaching staff to **Dr. Nilkanta Barman, Coordinator/Grievance Officer** directly or through an email at grievance@gkciet.ac.in, which is related to the common problems at Institute level, both Academic and Administrative. All decisions of the Committee are to be placed to the Director for final justification and approval. In case of any false/frivolous complaint, an appropriate action may be initiated against the complainant.

This issue with approval of the competent authority.


 (Md. Abdur Rajjaque)
 Assistant Registrar (A & E)

Copy to:

1. Person Concerned (by name)
2. In-Charge Non-Formal
- ✓ 3. All Deans
4. All Notice Boards
5. Assistant Registrar (A & E)
6. Director
7. Office file

- Establishment of Anti Ragging Committee



Ghani Khan Choudhury Institute of Engineering & Technology

(A Centrally Funded Technical Institute and Estd. by Ministry of H.R.D., Govt. of India.)
Narayanpur, Malda- 732141, West Bengal, India

Memo No.: GKCIET/ 1266

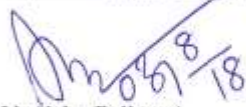
Dated: 03/08/2018

Office Order

Under the All India Council for Technical Education (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009, the Hon'ble Director is pleased to constitute the following Anti-Ragging Committee to prohibit, prevent and eliminate the scourge of ragging in the institution and, therefore, to provide an educational environment for healthy development physically and psychologically to all students.

1.	Prof. P. R. Alapati, Director, GKCIET Malda	Chairman
2.	Mr. Bikarna Tarafdar, HoS of Students' Welfare, GKCIET, Malda	Member Secretary
3.	Dr. Surajit Chattopadhyay, Dean (R&C), GKCIET, Malda	Member
4.	Dr. Nilkanta Barman, Dean (Academic, P&D), GKCIET, Malda	Member
5.	Md. Abdur Rajjaque, Assistant Registrar (A&E), GKCIET, Malda	Member
6.	Smt. Debadrita Roy, Trainer, GKCIET, Malda (Lady faculty member)	Member
7.	Smt. Cinchona Kumar, MTS, GKCIET, Malda (Lady staff member)	Member
8.	One representative of District Administration (To be nominated by the DM, Malda)	Member
9.	One representative of Police Administration (To be nominated by the SP, Malda)	Member
10.	Mr. Prakash Misra (Representative of Local Media)	Member
11.	NGO involved in youth activities (To be nominated by the Director, GKCIET, Malda)	Member
12.	Two representatives of Parents, one each from Diploma & Degree (To be nominated by Dean/ HoS of Students' Welfare in consultation with students)	Member
13.	Two students belong to fresher category, one each from Diploma & Degree, GKCIET, Malda (To be nominated by Dean/ HoS of Students' Welfare)	Member
14.	Two girl students, one each from Diploma & Degree, GKCIET, Malda (To be nominated by Dean/ HoS of Students' Welfare)	Member
15.	Mr. Uttam Kr. Ghosh, Security Officer I/c, GKCIET, Malda	Member

This is issued with approval of the competent authority.


(Md. Abdur Rajjaque)
Assistant Registrar (A&E)
Email: ar_est@gkci.ac.in

Copy to:

- Concerned persons (by name)
- Director, GKCIET, Malda for kind information please
- File copy

- Establishment of Online Grievance Redressal Mechanism

[Available /Installation under progress on Institute Web Portal](#)

- Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University



Phone : 03512-268780

Fax : 03512-278058

Ghani Khan Choudhury Institute of Engineering & Technology
(Centrally funded Institute and Established by Ministry of H.R.D., Govt. of India.)
Office: GKCIET, Vill & Post: Kotwali, Dist: Malda, Pin- 732144, West Bengal

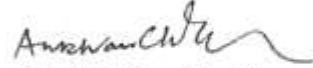
Memo No : GKCIET/ 1278

Date : 08-02-2013

OFFICE ORDER

In the interest of Institute work, the Chairman, BoG is pleased to appoint Mr. Tapash Kr. Das, Asst. Professor, EE as Ombudsman to deliberate and progress the various items of proposals for the Ombudsman and related activities at G.K.C.I.E.T, Malda. The Ombudsman will look after the related matters of the Institute and submit the report to Chairman, BoG/ OSD from time to time.

(1)	Mr. Tapash Kr. Das Assistant Professor, Department of Elect. Engg.	Ombudsman
-----	---	-----------



Dr. A.N.Khan Choudhury
(Chairman, BoG)

Copy To

1. Person Concerned (by name)
2. OSD, GKCIET, Malda
3. OIC/AO, GKCIET, Malda
4. Coordinator
5. Office Order file
6. All Notice Board

- Establishment of Internal Complaint Committee(ICC)

Phone: 03312-266780
Telefax: 03312-278038

**Ghazi Khan Choudhury Institute of Engineering & Technology**
(Centrally Funded Institute and Established by Ministry of H.R.D., Govt. of India.)
Office: GKCIET, VIII A, Post: K. otwali, Dist: Malda, Pin - 732144, West Bengal


Memo No: GKCIET/282 Date: 06-06-2015

OFFICE ORDER

The Internal Complaints Committee (Memo No: GKCIET/1456 dated 21.01.2015&GKCIET/253 dated 22/26.05.2015) to examine/sexual harassment of women at workplace is hereby revised as:

Sl. No.	Name	Designation	Position
1.	Smt. Debudrita Roy	Trainer	Presiding Officer
2.	Ms. Smriti Anand	Lecturer	Member
3.	Ms. Anjan Chowdhury	LDC	Member
4.	Shri Goutam Kumar Ghorai	Assistant Professor	Member
5.	Smt. Saraju Das (9434682042)	Member of West Bengal Bigyan Mancha, NGO (Health & Child Development), ICDS Worker, Atul Market, Malda	Member

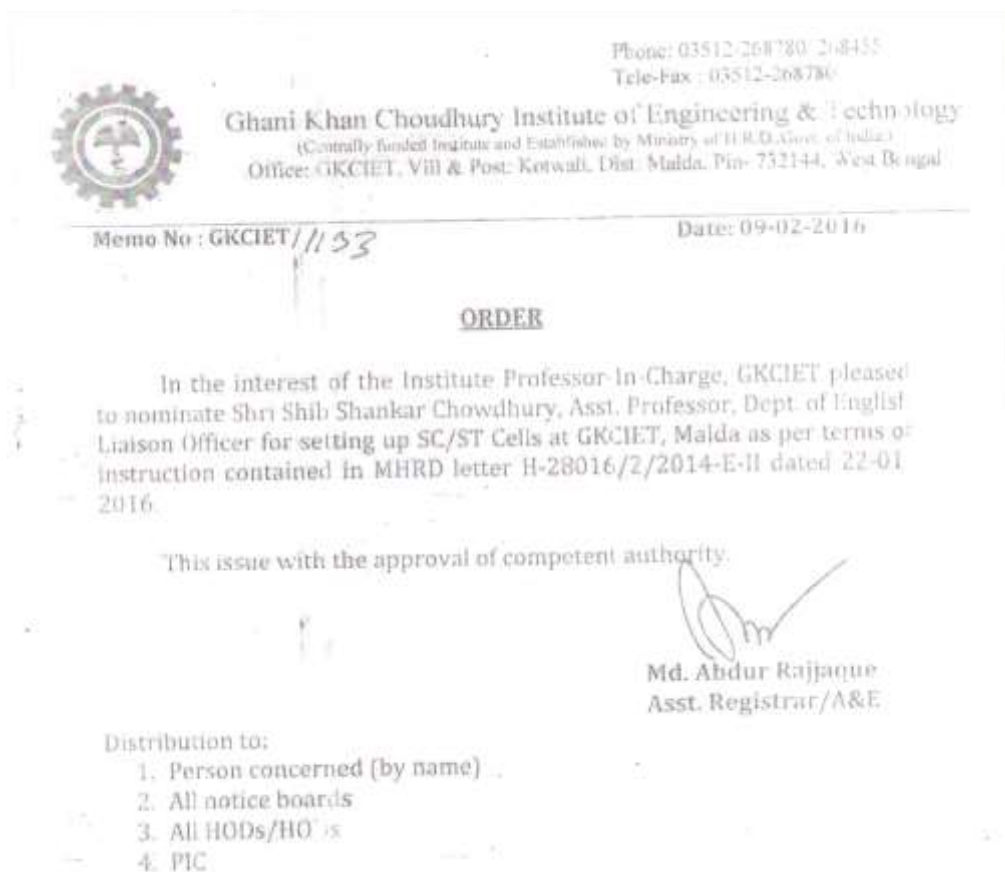
The committee will assemble as early as possible and arrange to examine the complaints referred to it by GKCIET and submit its report by a week time following the norms in this regard.


Prof. N.K. Roy
Professor-in-Charge

Copy to:

1. Persons Concerned (by name)
2. AR/Admin & Estt.
3. BoG File
4. R-PIC Cell

- Establishment of Committee for SC/ST



- Internal Quality Assurance Cell
Under consideration/planning

6. Programmes

- Name of Programmes approved by AICTE

		Intake Capacity	Duration in years
B. Tech Programs	Electrical Engineering	60	4
	Food Processing Technology	60	4
	Mechanical Engineering	60	4
Diploma	Civil Engineering	60	3
	Computer Science & Technology/Engineering	60	3
	Electrical Engineering	30	3
	Food Processing Technology	30	3
	Mechanical Engineering	30	3

- Name of Programmes Accredited by AICTE
- Status of Accreditation of the Courses
 - Total number of Courses
 - No. of Courses for which applied for Accreditation
 - Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved forCourses
- For each Programme the following details are to be given:

- Name
- Number of seats
- Duration
- Cut off marks/rank of admission during the last three years

Followed norms of JEXPO & VOCLET, WBSCT&VE&SD, Kolkata for Diploma and WBJEE & JELET/JEE (Main), JoSSA for B. Tech Programs

- Fee:

Fee Structure for 3-year Diploma programs of Ghani Khan Choudhury Institute of Engineering & Technology, Malda from session of 2018-19

Description	Fees (Rs.)	Remarks	Fees/1 st Semester	Fees/Odd Semester except 1 st Semester	Fees/Even Semester
Seat Booking Fee*	500/-	1 st Semester	500/-	-	-
Registration Fee#	150/-	1 st Semester	150/-	-	-
Admission Fee	200/-	Each odd Semester	200/-	200/-	-
Student's Insurance	120/-	Each odd Semester	120/-	120/-	-
Tuition Fee**	300/-	Each Semester	300/-	300/-	300/-
Caution Deposit	35/-	Each Semester	35/-	35/-	35/-
Session Charge	50/-	Each Semester	50/-	50/-	50/-
Examination Fee	250/-	Each Semester	250/-	250/-	250/-
Institute I-Card	50/-	1 st Semester	50/-	-	-
Library I-Card	50/-	1 st Semester	50/-	-	-
Other Fees	As Applicable				
Total			1,705/-	955/-	635/-

*Not applicable, if paid to the Council directly by the Candidates

Half for the Candidates under Kanyashree scheme

** Exempted for the candidates under the TFW scheme.

N. B.: Hostel accommodation is not available at present. However, the hostel facility at Permanent Campus of the Institute at Narayanpur, Malda shall be available after construction in due course of time.

Fee Structure for 4-year B.Tech programs of Ghani Khan Choudhury Institute of Engineering & Technology, Malda from session of 2019-20

Description	Fees under GKCIET (Rs.)	Fees under MAKAUT (Rs.)	Remarks	Fees/1 st Semester	Fees/ Odd Semester except 1 st Semester	Fees/Even Semester
Caution Money	5,000/-	-	1 st Semester/Refundable	5,000/-	-	-
Admission Fee	500/-	-	Each odd Semester	500/-	500/-	-
Registration Fee	-	500	1 st Semester	500/-	-	-
Development Fee	-	2200	1 st Semester (Rs. 550/- per year)	2,200/-	-	-
Student's Insurance	120/-	-	Each odd Semester	120/-	120/-	-
Medical Fee	150/-	-	Each Semester	150/-	150/-	150/-
Tuition Fee*	1,500/-	-	Each Semester	1,500/-	1,500/-	1,500/-
Session Charge	2,500/-	-	Each Semester	2,500/-	2,500/-	2,500/-
Examination Fee	300/-	1200	Each Semester	1,500/-	1,500/-	1,500/-
Institute I-Card	50/-	-	1 st Semester	50/-	-	-
Library I-Card	50/-	-	1 st Semester	50/-	-	-
Library/Magazine/ot hers	400/-	-	Each Semester	400/-	400/-	400/-
Book Bank	400/-	-	1 st Semester	400/-	-	-
Students Welfare/Sports/ Extra Curricular Activities	1,750/-	-	1 st Semester	1,750/-	-	-
T&P Activity Fund	1,000/-	-	1 st Semester	1,000/-	-	-
Overhead Charges	1,000/-	-	Each Semester	1,000/-	1,000/-	1,000/-
Other Fees	As Applicable					
Total				18,620/-	7,670/-	7,050/-

*Exempted for the candidates under the TFW scheme.

N. B.: Hostel accommodation is not available at present. However, the hostel facility at Permanent Campus of the Institute at Narayanpur, Malda shall be available after construction in due course of time.

- Placement Facilities
Through Training and Placement Cell, GKCIET, Malda
- Campus placement in last three years with minimum salary, maximum salary and average salary
3-Year Diploma Programme and 4-Year B. Tech Programme have been started from 2018-19
- Name and duration of programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details:
Details of the Foreign University
 - Name of the University
 - Address
 - Website
 - Accreditation status of the University in its Home Country
 - Ranking of the University in the Home Country
 - Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country
 - Nature of Collaboration
 - Conditions of Collaboration
 - Complete details of payment a student has to make to get the full benefit of Collaboration
- For each Programme Collaborated provide the following:
 - Programme Focus
 - Number of seats
 - Admission Procedure
 - Fee
 - Placement Facility
 - Placement Records for last three years with minimum salary, maximum salary and average salary
- Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/Foreign University has applied to AICTE for approval

7. Faculty

- Branch wise list Faculty members:

Name of Departments	Name of Faculty Members	Designation
Civil Engineering	Shri Haradhan Sankar	Assistant Professor
Computer Science & Engineering	Shri Subrata Roy	Assistant Professor
	Shri Tryambak Kumar Ojha	Lecturer
	Mrs Debadrita Roy	Trainer
	Shri Siraj Ud Doulah	Trainer
	Shri Mahafizur Rahaman	Trainer
Electrical Engineering	Dr. Surajit Chattopadhyay	Associate Professor
	Shri Goutam Ghorai	Assistant Professor
	Shri Tapash Kumar Das	Assistant Professor
	Mrs Smita Anand	Lecturer
	Amiungshu Karmakar	Sr. Trainer
	Pranab Mandal	Trainer
	Dhaju Mahammad	Trainer
	Shankar Mukherjee	Trainer
Food Processing Technology	Dr. Sudip Kumar Das	Assistant Professor
	Md. Jigar Ali	Sr. Trainer
	Shri Mintu Sinha	Trainer
	Shri Pranab Roy	Trainer
	Mojahadul Islam Mallick	Trainer

Mechanical Engineering	Dr. Nilkanta Barman	Associate Professor
	Shri Habib Masum	Assistant Professor
	Shri Dharmeswar Dash	Assistant Professor
	Shri Tridib Ranjan Das	Sr. Trainer
	Dr. Hasibur Rahaman	Trainer
	Shri Abhinav Kumar	Trainer
	Shri Raktim Roy	Trainer
General Science & Humanities	Shri Shib Shankar Chowdhury	Assistant Professor
	Shri Deepanjan Das	Assistant Professor
	Shri Abhijit Mandal	Assistant Professor
	Shri Bikarna Tarafdar	Assistant Professor

- Permanent Faculty
All above are regular faculty members of GKCIET, Malda
- Adjunct Faculty
None
- Permanent Faculty: Student Ratio
Degree Programme: 13:44 (at present)
Diploma Programme: 17: 69 (at present)
- Name /number of Faculty employed and left during the last threeyears

1.	Dr. Subhashis Datta	Associate Professor, Dept. of ME
----	---------------------	----------------------------------

8. Profile of Vice Chancellor/ Director/ Principal/Faculty



i.	Name	Prof. Parameswara Rao Alapati			
ii.	Designation	Director			
iii.	Institute	Ghani Khan Choudhury Institute of Engineering & Technology, Malda, West Bengal			
iv.	Date of Birth	1st June, 1959			
v.	Unique id				
vi.	Educational Qualifications	Ph.D	Nagarjuna University		
		M. Phil	Nagarjuna University		
		M Sc. In Physics	Vikram University		
vii.	Work Experiences	Teaching	28 Yrs.		
		Research	35 Yrs.		
		Others	Pool Officer (CSIR, New Delhi), Nagarjuna University		
			BOYSCAST FELLOW at University of Southampton, U. K.		
			INSA-Royal Society, London Exchange Scientist at University of Southampton, U. K.		
			Post Doctoral Fellow (SERC, U.K.), University of Southampton, U. K.		
			Commonwealth Scholar (PDF), University of Southampton, U. K.		
Research Associate (IITK & CSIR), Indian Institute of Technology, Kanpur					
viii.	Area of Specialization	1.	Condensed Matter Physics (Liquid Crystals)		
		2.	Liquid Crystals		
		3.	Solid State Physics		
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Condensed Matter Physics (Special Paper - II)		
		2.	Condensed Matter Physics (Special Paper - I)		
		3.	Solid State Physics (Special Paper)		
		4.	Nuclear Physics		
		5.	Statistical Mechanics		
		6.	Modern Physics		
		7.	Comprehensive Physics		
x.	Research Guidance	PhD	Guided	8	
			Ongoing	--	
		Master	Guided	6	
			Ongoing	--	
xi.	Project Carried Out	1.	FIST Project, Department of Physics (Played an active and leading role in formulation, defence before PAC(presented), procurement and installation of sophisticated equipment sanctioned)	D. S. T., New Delhi (Rs. 1.43 Crore)	
		2.	Frequency Dependent Dielectric Studies and Molecular Dynamics on Nanoparticle Doped Liquid Crystal Composites	D. S. T., New Delhi (Rs. 43.50 lacs)	
		3.	Laser Raman Spectroscopy Studies of	C. S. I. R., New	

			Liquid Crystal Monomers and Dimers	Delhi (Rs. 8.00 lacs)
		4.	Dielectric Relaxation Studies in Liquid Crystal Dimers	M. H. R. D., New Delhi (Rs. 6.00 lacs)
		5.	Molecular Dynamics in Some Ferroelectric and Model Dimeric Liquid Crystals (Joint Project with NEHU, Shillong)	D. S. T., New Delhi (Rs. 33.63 lacs)
		6.	Structure and Phase Transition Studies of Schiff Base Liquid Crystal Dimers	C. S. I. R., New Delhi (Rs. 8.77 lacs)
		7.	Study of Electro-Optical Properties of Polymer Dispersed Liquid Crystal (PDLC) Films Prepared by PIPS method	Third World Academy of Sciences (TWAS), Trieste, Italy (US\$3000)
		8.	Synthesis and Characterization of Liquid Crystal Materials of Transition Metal Complexes for Electro-chromic Display devices and Photo-chemical conversion	D. S. T, New Delhi (Rs. 4.33 lacs)
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	--
			International	70
		Conferences	National	--
			International	03
xiv.	No. of Books published with details	1.	--	
xv.	Major Publications	1.	“Temperature-dependent vibrational spectroscopic studies of pure and gold nanoparticles dispersed 4-n-Hexyloxy-4’-cyanobiphenyls” <i>Liquid Crystals</i> Ramanuj Mishra, Ayon Bhattarjee, Debanjan Bhattarjee, K. N. Singh, B. Gogoi and P. R. Alapati, <i>Liquid Crystals</i> , 45 (9), 1333-1341 (2018).	
		2.	“Dielectric properties of a strongly polar nematic liquid crystal compound doped with gold nanoparticles” Ramanuj Mishra, Jayanta Hazarika, Anil Hazarika, Binod Gogoi, Ragini Dubey, Debanjan Bhattarjee, K. N. Singh and P. R. Alapati, <i>Liquid Crystals</i> , 45 (11), 1661-1671 (2018).	
		3.	“Temperature-dependent Raman study of pure and silver nanoparticles dispersed N-(4-n-heptyloxybenzylidene)-4’-n-butylaniline (7O.4)” Ramanuj Mishra, Ayon Bhattarjee, Debanjan Bhattarjee, K. N. Singh and P. R. Alapati, <i>Liquid Crystals</i> , 1-13 (2018).	
		4.	“Experimental and DFT generated Raman study of two bent-core monomeric liquid crystalline compounds” Debanjan Bhattarjee, Ramanuj Mishra and Ayon Bhattarjee, <i>Liquid Crystals</i> , 1-9 (2018).	

		5.	<p>“Study of Dielectric properties and the molecular dynamics using raman spectroscopy in pure and nano particle doped liquid crystal compound, 6O.4” Binod Gogoi, K. N. Singh, Ramanuj Mishra, T. K. Ghosh, Ayon Bhattacharjee and P. R. Alapati, <i>Molecular Crystals and Liquid Crystals</i>, 646 (1), 3-13 (2017).</p>
		6.	<p>"Electric behaviour of a Schiff's base liquid crystal compound doped with a low concentration of BaTiO3 nanoparticles." Ragini Dubey, Avneesh Mishra, K. N. Singh, P. R. Alapati, and Ravindra Dhar. <i>Journal of Molecular Liquids</i> 225 496-501 (2017).</p>
		7.	<p>"Electrical properties of interdigitated partially bent like shaped liquid crystalline compound." Debanjan Bhattacharjee, Parameswara Rao Alapati, and Ayon Bhattacharjee. <i>Molecular Crystals and Liquid Crystals</i>, 648, 66-76 (2017).</p>
		8.	<p>"Dielectric behavior of pure and silver nanoparticle dispersed liquid crystal compounds 7O. 4 and 7O. 6 under a biasing electric field." Keisham Nanao Singh, N. Monoranjan Singh, H. Basantakumar Sharma, and P. R. Alapati. <i>Molecular Crystals and Liquid Crystals</i>, 646, 14-25 (2017).</p>
		9.	<p>Molecular polarization, order parameter and dielectric study of a diametric compound D. BHATTACHARJEE, P. R. ALAPATI and AYON BHATTACHARJEE <i>JOURNAL OF MOLECULAR LIQUIDS</i>, Online Version Published in October, 2016</p>
		10.	<p>Negative optical anisotropic behaviour of two higher homologues of 5O.m series of liquid crystals D. BHATTACHARJEE, P. R. ALAPATI and AYON BHATTACHARJEE <i>JOURNAL OF MOLECULAR LIQUIDS</i>, Online Version Published in June, 2016</p>
		11.	<p>Negative birefringence in the higher homologues of 5O.m series of liquid crystals D. BHATTACHARJEE, P. R. ALAPATI and AYON BHATTACHARJEE <i>JOURNAL OF PHYSICAL CHEMISTRY B</i>, Online Version Published on 7th June 2016</p>
		12.	<p>Dielectric study on the alignment or orientation of N(4-n-heptyloxy benzylidene)-4'-n-butyl aniline and the anomalous dielectric behaviour in the Smectic G phase. K. N. SINGH, BINODGOGOI, RAGINIDUBEY, N. M. SINGH, H. B. SARMA and P. R. ALAPATI <i>MOLECULAR CRYSTALS and LIQUID CRYSTALS</i>, 626, 130-140 (2016) ; ISSN No.:1542-1406</p>
		13.	<p>Comparative study of low frequency dielectric properties of Hexyloxybenzylidene hexylaniline and Heptyloxybenzylidene hexylaniline” K.N. Singh , Gogoi, B., Dubey, R., Singh, N.M., Sharma,</p>

			H.B. and Alapati, P.R., “ <i>Indian Journal of Physics</i> , 90 , 679-686 (2016).
		14.	Dielectric properties of highly polar liquid crystalline material showing various types of layered structures RAGINI DUBEY, A. MISHRA, K. N. SINGH, R. DHAR and P. R. ALAPATI <i>LIQUID CRYSTALS</i> , 4 3 , (2016); ISSN No.: 0267-8292
		15.	On the Dipole – Dipole correlation and Dielectric anisotropy of some N(4-n-alkyloxy benzylidene)-4'-alkylaniline compounds doped with Silver Nanoparticles. K. N. SINGH, BINODGOGOI, N. M. SINGH, RAGINIDUBEY, L. R. SINGH, H. B. SHARMA and P. R. ALAPATI <i>MOL. CRYST. LIQ. CRYST.</i> , 625 , 106-116 (2016) ;ISSN No.:1542-1406
		16.	Comparative low frequency dielectric study and Heptyloxybenzylidenehexylaniline. K. N. SINGH, BINODGOGOI, N. M. SINGH, H. B. SHARMA AND P. R. ALAPATI. <i>INDIAN JOURNAL OF PHYSICS</i> , Online version published in Nov., 2015



i.	Name	Dr. Nilkanta Barman		
ii.	Designation	Associate Professor & Dean (Academic, P & D)		
iii.	Department	Mechanical Engineering		
iv.	Date of Birth	11/12/1975		
v.	Unique id	GKCIET/0066		
vi.	Educational Qualifications	Ph.D	Indian Institute of Science, Bangalore	
		M.E.	Indian Institute of Science, Bangalore	
		B.E.	Jadavpur University, Kolkata	
vii.	Work Experiences	Teaching	11 Yrs.	
		Research	16 Yrs.	
		Others	5 months as Project Associate at IISc, Bangalore	
viii.	Area of Specialization	1.	Applications in Thermo-Fluid Engineering	
		2.	Study and Modeling of Transport Phenomena in Manufacturing and Material Processing (Casting, Solidification, Phase Transformation, Hot Rolling etc.)	
		3.	Study and Modelling of Advance Manufacturing Process: Semisolid Processing	
		4.	Development of Energy Efficient Buildings (Green Buildings)	
		5.	Cooling System Design for High Heat Flux Applications	
		6.	Computational Fluid Dynamics (CFD) and Heat Transfer	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Heat & Mass Transfer	
		2.	Computation Heat & Mass Transfer	
		3.	Engineering/Basic Thermodynamics	
		4.	Refrigeration & Air Conditioning	
		5.	Thermal Engineering-I	
		6.	Thermal Engineering-II	
		7.	Drawing (Basic Engineering Drawing, M/c Drawing)	
x.	Research Guidance	PhD	Guided	3
			Ongoing	2
		Master	Guided	8
			Ongoing	--
xi.	Project Carried Out	1.	An Experimental Study on the Formation of Slurry during Solidification of a Metal Analogous Transparent Solution (NH ₄ Cl + H ₂ O) in Presence of Shear Flow	Rs. 14.64 Lacs (DST under Fast Track Scheme)
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
xiv.	Research Publications	Journals	National	--
			International	35
		Conferences	National	01
			International	20
xv.	No. of Books published with details	1.	--	
xvi.	Major Publications	1.	M. Dhar, N. Barman, S. Mandal, H. Chattopadhyay Remelting and interface dynamics during solidification of a eutectic solution in a top-cooled rectangular cavity: A numerical study, International Journal of Heat and Mass Transfer, Volume 77, October 2014, Pages 730-737	

		2.	S Simlandi, N Barman, H Chattopadhyay, Studies on Transport Phenomena during Continuous Casting of an Al-Alloy in Presence of Electromagnetic Stirring, Transactions of the Indian Institute of Metals 66 (2), 141-146, 2013
		3.	S. Barman, N. Barman, A. Mukhopadhyay, and S. Sen, Studies on the Phase Transformation during Cooling of a Hot Moving Steel Plate under Multi Water Jets, Journal of Machining and Forming Technologies, vol. 5 (issue 3-4) 137- 149, 2013
		4.	N. Barman, P. Kumar, P. Dutta- Studies on transport phenomena during solidification of an aluminum alloy in the presence of linear electromagnetic stirring, Journal of Materials Processing Technology, Volume 209, Issues 18– 19, 19 September 2009, Pages 5912-5923
		5.	M K Naskar, S Simlandi, N. Barman- An energy and exergy-based performance analysis and emission control of the turbine cycle in a coal-based steam power plant, Interdisciplinary Environmental Review, vol. 19 (2), 2018, Pages 123- 138



i.	Name	DR. SUDIP KUMAR DAS		
ii.	Designation	ASSISTANT PROFESSOR & HEAD		
iii.	Department	DEPT. OF FOOD TECHNOLOGY		
iv.	Date of Birth	12/11/1977		
v.	Unique id	GKCIET/0010		
vi.	Educational Qualifications	Ph.D	University of Calcutta	
		M.Tech	University of Calcutta	
		B.Tech	University of Calcutta	
vii.	Work Experiences	Teaching	10 years	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	Oil, Chemical Engg. etc.	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Food Processing Tech.-III	
		2.	Unit Operation-II	
		3.	Food Process Engineering	
		4.	Waste Treatment Engineering	
		5.	Food Industries Waste Management	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	3(Three)
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published with details	1.	Nil	
		2.	--	
xv.	Major Publications	1.	'Analysis of Bio-Sorption of Cr (VI) onto Raw Rice Husk by a Hybrid Theoretical Model Using Results of Batch Experiments'. Adsorption Science & Technology 2013 Volume 31 Number 8.	
		2.	'Metal Impregnated Silica-Carbon Materials from Rice Husk: A Versatile Sorbent for Toxic Organic and Inorganics in Water and Air'. Clean – Soil, Air, Water 2013, 41 (3), 291–297.	
		3.	'Proposed Adsorption–Diffusion Model for Characterizing Chromium (VI) Removal Using Dried Water Hyacinth Roots'. Clean – Soil, Air, Water 2010, 38 (8), 764–770.	



i.	Name	HABIB MASUM		
ii.	Designation	Assistant Professor & Head		
iii.	Department	Dept. of Mechanical Engineering		
iv.	Date of Birth	13/08/1981		
v.	Unique id	GKCIET/0036		
vi.	Educational Qualifications	Ph.D	IEST, Shibpur (Thesis submitted)	
		ME/M.Tech	NIT, Durgapur	
		BE/BTech	VTU, Belgaum	
vii.	Work Experiences	Teaching	5 Years 5.5 months (from 03.12.2013 till date)	
		Research	Ph.D started on July 2010 and thesis submitted on 10.10.2018	
		Industry	6 Years 4 Months 22 days (12.07.2007 to 02.12.2013)	
		Others	-	
viii.	Area of Specialization	1.	Design & Production Engg.	
		2.	Applied Mechanics	
		3.	Biomechanics & Robotics	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Machine Design, Design of Machine Elements & Design of Machine Components	
		2.	Theory of Machines & Dynamics of Machine	
		3.	Elements of Mechatronics, Measurement & Control	
		4.	Renewable Energy Technology & Non-conventional Energy	
		5.	Engineering Graphics	
x.	Research Guidance	PhD	Guided	-
			Ongoing	-
		Master	Guided	-
			Ongoing	-
xi.	Project Carried Out	1.	-	-
xii.	Patents	1.	-	
xiii.	Technology Transfer	1.	-	
	Research Publications	Journals	National	-
			International	4
		Conferences	National	-
			International	5
xiv.	No. of Books published with details	1.	-	
		2.	-	
xv.	Major Publications (max. 5)	1.	"Conceptual design of a powered ankle-foot prosthesis for walking with inversion and eversion", Procedia Technology, 2014, Vol. 14, pp. 228-235.	
		2.	"Utilisation of Skewness of wavelet-based approximate coefficient in walking speed assessment", IET Science, Measurement & Technology, 2016, Vol.10, Issue 8, pp. 977-982.	
		3.	"Measurement of Walking Speed from Gait Data using Kurtosis and Skewness based Approximate and Detailed Coefficients", IET Science, Measurement & Technology, 2018, Vol. 12, Issue 4, pp. 521-527.	
		4.	"Measurement of Walking Speed from EMG Signal using Kurtosis of Approximate Coefficients", IEEE International Conference on Advanced Computational and Communication Paradigms (ICACCP-2017), Lecture Notes in Electrical Engineering (LNEE), Springer, Singapore Springer, Vol. 475, pp. 317-325.	
		5.	"Development of wireless foot pressure sensor for bio-medical application", 2nd Int. Conf. on Advances in Mechanical Engineering and its Interdisciplinary Areas (ICAMEI-2015), 2015, pp. 355-360.	



i.	Name	Goutam Kumar Ghorai			
ii.	Designation	Assistant Professor & Head			
iii.	Department	Dept. of Electrical Engineering			
iv.	Date of Birth	06/04/1979			
v.	Unique id	GKCIET/0016			
vi.	Educational Qualifications	Ph.D	Pursuing Ph.D at Jadavpur University		
		ME/MTech	M.Tech in 2006, from University of Calcutta		
		BE/BTech	B.Tech in 2004, from University of Calcutta		
		B.Sc	B.Sc Hons in Physics in 2000, From Vidyasagar University,		
vii.	Work Experiences	Teaching	12 years 07 months		
		Research	2.5 years		
		Industry	No		
		Others	Deputy Register in charge, HOD of EE ,Chief Worden, Fire and Safety officer of the ins		
viii.	Area of Specialization	1.	Electrical Machine,		
		2.	Control System		
		3.	Circuit Theory,		
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Electrical Machine,		
		2.	Control System		
		3.	Control System		
		4.	Power Electronics		
		5.	Field Theory		
x.	Research Guidance	PhD	Guided	No	
			Ongoing		
		Master	Guided	No	
			Ongoing		
xi.	Project Carried Out	1.	No		
xii.	Patents	1.	No		
xiii.	Technology Transfer	1.	No		
		Research Publications	Journals	National	No
				International	No
		Conferences	National	1	
			International	1	
		xiv.	No. of Books published with details	1.	No
xv.	Major Publications	1.	"Optic Disc Localization in Retinal Fundus Images using Faster R-CNN." In 2018 Fifth International Conference on Emerging Applications of Information Technology (EAIT), pp. 1-4. IEEE, 2018.		
		2.	"Optic Disc Segmentation in Retinal Fundus Images Using Fully Convolutional Network and Removal of False-Positives Based on Shape Features." Deep Learning in Medical Image Analysis and Multimodal Learning for Clinical Decision Support. Springer, Cham, 2018. 369-376. Fully convolutional network for segmentation of optic disc in retinal fundus images" 2019 IEEE 16th International Symposium on Biomedical Imaging (ISBI'19).at Hilton Molino Stucky in venice, Italy		



i.	Name	Subrata Roy		
ii.	Designation	Assistant Professor & Head		
iii.	Department	Dept. of Computer Science & Engineering		
iv.	Date of Birth	26/03/1984		
v.	Unique id	GKCIET/.....		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	WBUT	
		BE/BTech	WBUT	
vii.	Work Experiences	Teaching	5.5 years	
		Research	-	
		Industry	-	
		Others	-	
viii.	Area of Specialization	1.	Algorithm Design	
		2.	Operating System	
		3.	Theory of Computation	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Programming for Problem Solving	
		2.	Theory of Computation	
		3.	Operating System	
		4.	Microprocessor & Programming	
		5.	Computer Organization & Architecture	
x.	Research Guidance	PhD	Guided	-
			Ongoing	-
		Master	Guided	-
			Ongoing	-
xi.	Project Carried Out	1.	--	
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	-
			International	-
		Conferences	National	-
			International	1
xiv.	No. of Books published withdetails	1.	-	
		2.	-	
xv.	Major Publications (max. 5)	1.	Logical Implication to Reduce Run Time Memory Requirement an Searches During LZW Decompression, ICACCP, Lecture Notes in Electrical Engineering, pp. 204-212, Vol. 475	



i.	Name	Haradhan Sarkar		
ii.	Designation	Assistant Professor & Head		
iii.	Department	Dept. of Civil Engineering		
iv.	Date of Birth	06/05/1988		
v.	Unique id	GKCIET/0030		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	Indian Institute of Technology Guwahati	
		BE/BTech	Jalpaiguri Govt. Engineering College	
vii.	Work Experiences	Teaching	05+ Years	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	Ground Improvement Techniques	
		2.	Pavement Materials and Pavement Design	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Transportation Engineering	
		2.	Geotechnical Engineering	
		3.	Concrete Technology	
		4.	Design of RCC Structures	
		5.	Water Resource Management	
x.	Research Guidance	PhD	Guided	---
			Ongoing	---
		Master	Guided	---
			Ongoing	---
xi.	Project Carried Out	1.	--	--
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	--
			International	01
		Conferences	National	02+ 01 (National Seminar)
			International	--
xiv.	No. of Books published with details	1.	--	
		2.	--	
xv.	Major Publications (max. 5)	1.	Sarkar, H., Halder, P. C. and Rynthiang, T. L. (2014). Behaviour of interlocking concrete block pavement over stone dust grouted subbase. <i>International Journal of Advanced Structures & Geotechnical Engineering</i> . Vol. 03, No. 01, pp-44-48.	
		2.	Sarkar, H. and Biswas, A. (2019). Behaviour of multi-layer-geocell reinforced soil embankment. <i>Proc. of 7th Indian Young Geotechnical Engineers Conference (7YGEC-2019)</i> , NIT Silchar, Assam, 15-16 March, 2019. pp. 48-51.	
		3.	Sarkar, H. and Biswas, A. (2019). Application of geocell reinforcement in pavements – A brief review. <i>Proc. of Indian Conference on Geotechnical and Geoenvironmental Engineering (ICGGE-2019)</i> , MNNIT Allahabad, 1-2 March, 2019. Paper Id. 53.	



i.	Name	Shri Shib Shankar Chowdhury		
ii.	Designation	Asst. Prof. and Head		
iii.	Department	Dept. of General Science & Humanities		
iv.	Date of Birth	19/11/1983		
v.	Unique id	GKCIET/0043		
vi.	Educational Qualifications	Ph.D	Pursuing from Techno India University, Salt Lake, Kolkata.	
		MA in English. 2008	Indira Gandhi National Open University (a Central University), New Delhi	
vii.	Work Experiences	Teaching	8 Yrs.	
		Research	3.5 Yrs.	
		Industry	Nil	
		Others	Nil	
viii.	Area of Specialization	1.	--	
		2.	--	
		3.	--	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Diploma Courses	
		2.	Under Graduate Courses	
		3.	--	
		4.	--	
		5.	--	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	--
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.		
	Research Publications	Journals	National	Nil
			International	01
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published with details	1.	Nil	
xv.	Major Publications	1.	"STRESS, TRAUMA, PSYCHOLOGICAL PROBLEMS, QUALITY OF LIFE, AND RESILIENCE OF WOMEN AS REFLECTED IN VARIOUS MOVIES AROUND THE WORLD", IJETMR, Vol.5 (Iss.4), April 2018	



i.	Name	DHARMESWAR DASH		
ii.	Designation	ASSISTANT PROFESSOR		
iii.	Department	Dept. of Mechanical Engineering		
iv.	Date of Birth	20/05/1982		
v.	Unique id	GKCIET/021		
vi.	Educational Qualifications	Ph.D	Pursuing, NERIST, Arunachal Pradesh	
		ME/MTech	NERIST, Arunachal Pradesh	
		BE/BTech	BPUT, Rourkela	
vii.	Work Experiences	Teaching	7+ Years	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	Composite Materials	
		2.	Manufacturing Processes	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Manufacturing Processes	
		2.	Thermal Engineering	
		3.	Fluid Mechanics & Machinery	
		4.	Strength of Materials	
		5.	Refrigeration and Air-Conditioning	
x.	Research Guidance	PhD	Guided	(No. only)
			Ongoing	--
		Master	Guided	--
			Ongoing	--
xi.	Project Carried Out	1.	--	--
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	--
			International	03
		Conferences	National	01
			International	02
xiv.	No. of Books published with details	1.	--	
xv.	Major Publications (max. 5)	1.	Studies on Synthesis of Magnesium Based Metal Matrix Composites (MMCs), Materials Today: Proceedings 5 (2018), 20110–20116	
		2.	Study on Fabrication of Magnesium based Metal Matrix Composites and its improvement in Mechanical and Tribological Properties- A Review, IOP Conf. Series: Materials Science and Engineering 377 (2018) 012133	
		3.	MECHANICAL CHARACTERIZATIONS OF NATURAL FIBER REINFORCED COMPOSITE MATERIALS, Advanced Materials Manufacturing & Characterization Vol 3 Issue 1 (2013), 275- 279.	



i.	Name	TAPASH KR. DAS.		
ii.	Designation	Assistant Professor		
iii.	Department	Dept. of Electrical Engineering.		
iv.	Date of Birth	06/01/1980		
v.	Unique id	GKCIET/0011		
vi.	Educational Qualifications	Ph.D(Perusing) Power System & Microgrid	Jadavpur University.	
		M.Tech(Electric Devices & Power System)	West Bengal University of Technology	
		B.Tech(Electrical Engineering)	West Bengal University of Technology	
vii.	Work Experiences	Teaching	10 years 10 months	
		Research	2 years 5 months	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	Power System	
		2.	Non- Conventional Energy	
		3.	Microgrid fault analysis	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Power system	
		2.	Utilization of electric power	
		3.	Non- Conventional Energy sources	
		4.	Electrical Machine	
		5.	Transmission & Distribution of Electric Power	
x.	Research Guidance	PhD	Guided	--
			Ongoing	--
		Master	Guided	--
			Ongoing	--
xi.	Project Carried Out	1.	--	
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	--
			International	2
		Conferences	National	09
			International	07
xiv.	No. of Books published with details	1.	--	
		2.	--	
xv.	Major Publications (max. 5)	1.	“Line to Line Short Circuit Fault Diagnosis in Photo Voltaic Array based Microgrid System”, AMSE Journals-IIETA Publication- 2017-Series : Modelling A, Vol. 90, Issue 04, pp. 341-352 Nov.15, 2017(SCOPUS)	
		2.	“Load Bus Symmetrical Fault Analysis in Microgrid System”, AMSE Journals-Lecture on Modelling and Simulation- 2017, AMSE, ISSN: 1961-5086, pp. 151-162, 2017	



i.	Name	DEEPANJAN DAS		
ii.	Designation	ASSISTANT PROFESSOR		
iii.	Department	Dept. of General Science & Humanities (MATHEATICS)		
iv.	Date of Birth	01/01/1978		
v.	Unique id	GKCIET/0042		
vi.	Educational Qualifications	Ph.D	Pursuing Ph.D, NERIST, Itanagar, Arunachal Pradesh	
		ME/MTech	--	
		BE/BTech	--	
vii.	Work Experiences	Teaching	6.7 years	
		Research	4.10 years	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	Applied Mathematics	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Diploma - Engineering Mathematics	
		2.	B.Tech- Mathematics-IB & IIB	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	15
			International	Nil
		Conferences	National	01
			International	Nil
xiv.	No. of Books published with details	1.	Nil	
		2.	--	
xv.	Major Publications (max. 5)	1.	Analytical Treatment for Solving a Class of Lane–Emden Equations, Int. J. Appl. Comp. Math (2015) 1:369–379	
		2.	Approximate Series Solution of Non Linear Fractional Dispersive Equations Using Generalized Differential Transform Method, Int. J. of Comp. Sc. and Engg., Vol.-7, Issue-1, Jan 2019	
		3.	Approximate Series Solution of Non Linear Fractional Korteweg-de Vries Equations Using Generalized Differential Transform Method, IJRAR, January 2019, Volume 06, Issue 1	
		4.	Approximate Series Solution of Non Linear Fractional Burger’s Equations Using Generalized Differential Transform Method, JETIR November 2018, Volume 5, Issue 11	
		5.	Unification of different numerical methods for the solution of linear fractional differential equation, International Journal of Academic Research and Development, Volume 3; Issue 1; January 2018; Page No. 227-239	



i.	Name	Tryambak Kumar Ojha		
ii.	Designation	Lecturer		
iii.	Department	Dept. of CSE		
iv.	Date of Birth	16/12/1988		
v.	Unique id	GKCIET/0044		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		BE/BTech	B.Tech (STCET/WBUT)	
vii.	Work Experiences	Teaching	6 year 8 month	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	Nil	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Diploma Courses	
		2.	--	
		3.	--	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	Nil
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published withdetails	1.	Nil	
		2.	--	
xv.	Major Publications (max. 5)	1.	Nil	



i.	Name	MD JIGAR ALI		
ii.	Designation	SENIOR TRAINER		
iii.	Department	Dept. of FOOD TECHNOLOGY		
iv.	Date of Birth	08/03/1982		
v.	Unique id	GKCIET/0018		
vi.	Educational Qualifications	Ph.D	--	
		ME/M.Tech	--	
		BE/B.Tech	GURU NANAK INSTITUTE TECHNOLOGY Under WBUT	
vii.	Work Experiences	Teaching	8.5 years	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	Food Technology	
		2.	Food Processing Technology	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Diploma Level	
		2.		
		3.		
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	Nil
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published withdetails	1.	Nil	
		2.		
xv.	Major Publications	1.	Nil	



i.	Name	TRIDIB RANJAN DAS		
ii.	Designation	Senior Trainer		
iii.	Department	Dept. of Mechanical Engg. Non Formal		
iv.	Date of Birth	04/11/1981		
v.	Unique id	GKCIET/0067		
vi.	Educational Qualifications	Ph.D	(Awarded Institute/University)	
		ME/MTech		
		BE/BTech	West Bengal University of Technology (W.B.U.T)	
vii.	Work Experiences	Teaching	8 Years	
		Research		
		Industry	2 Years	
		Others		
viii.	Area of Specialization	1.	AUTOMOBILE ENGINEERING	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Strength of Material at Diploma	
		2.	Automobile Engineering at Diploma	
		3.	--	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	Nil
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published with details	1.	Nil	
		2.		
xv.	Major Publications (max. 5)	1.	Nil	



i.	Name	AMIUNGSHU KARMAKAR		
ii.	Designation	Senior Trainer		
iii.	Department	Dept. Of Electrical Engg, Non Formal Section		
iv.	Date of Birth	30/03/1988		
v.	Unique id	GKCIET/0020		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		BE/BTech	West Bengal University of Technology (W.B.U.T)	
vii.	Work Experiences	Teaching	8 YEARS	
		Research	--	
		Industry	0.5 YEARS	
		Others		
viii.	Area of Specialization	1.	ELECTRICAL ENGINEERING	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Electrical Technology at Diploma	
		2.	Assistant Electrician under PMKVY-TI	
		3.	--	
x.	Research Guidance	PhD	Guided	--
			Ongoing	--
		Master	Guided	--
			Ongoing	--
xi.	Project Carried Out	1.	--	
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	--
			International	--
		Conferences	National	--
			International	--
xiv.	No. of Books published withdetails	1.	--	
		2.	--	
xv.	Major Publications (max. 5)	1.	--	



i.	Name	Hasibur Rahaman		
ii.	Designation	Trainer		
iii.	Department	Dept. of Mechanical Engineering		
iv.	Date of Birth	31/12/1978		
v.	Unique id	GKCIET/0025		
vi.	Educational Qualifications	Ph.D	Sai Nath University, Ranchi	
		ME/MTech	Jamia Millia Islamia, New Delhi	
		BE/BTech	Jamia Millia Islamia, New Delhi	
vii.	Work Experiences	Teaching	8 Years 5 month	
		Research	Nil	
		Industry	4 Years 3 month	
		Others	Nil	
viii.	Area of Specialization	Production and Industrial Engineering		
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Engineering Mechanics	
		2.	production management	
		3.	Production Planning and control	
		4.	Engineering Drawing	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	--	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	03
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published withdetails		Nil	
xv.	Major Publications (max. 5)	1.	International journal of Information Technology and Management, Vol.V, Issue No.I, August-2013,ISSN2249-4510	
		2.	International journal of Information Technology and Management, Vol.VII, Issue No.IX, August-2014,ISSN2249-4510	
		3.	International Journal of Science and Research(IJSR) Issn(Online):2319-7064, Volume 4 Issue 11, November 2015.	



i.	Name	DEBADRITA ROY		
ii.	Designation	Trainer		
iii.	Department	Computer Science & Engineering		
iv.	Date of Birth	30/06/1986		
v.	Unique id	GKCIET/0035		
vi.	Educational Qualifications	Ph.D	(Awarded Institute/University)	
		ME/MTech	M.Tech	
		BE/BTech		
vii.	Work Experiences	Teaching	05 Yrs. 05 Months	
		Research		
		Industry		
		Others		
viii.	Area of Specialization	1.	Computer Science and Engineering	
		2.		
		3.		
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	C Programming Language	
		2.	Data Structure	
		3.	Object Oriented Programming with Java	
		4.	DBMS	
		5.		
x.	Research Guidance	PhD	Guided	(No. only)
			Ongoing	
		Master	Guided	
Ongoing				
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	02
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published with details	1.	Nil	
		2.	--	
xv.	Major Publications (max. 5)	1.	"A Comparative Analysis of Three Different Types of Searching Algorithms in Data Structure", Debadrita Roy et. al, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN (Online): 2278-1021, ISSN (Print): 2319-5940, Vol.3, Issue 5, Page: 6626-6630, May 2014	
		2.	"Design of Movie Recommendation System by Means of Collaborative Filtering", Debadrita Roy et. al, International Journal of Emerging Technology and Advanced Engineering (IJETAEE), ISSN: 2250-2459 (Online) An ISO 9001:2008 Certified Journal), Volume-3, Issue-4, Page: 67-72, April, 2013.	



i.	Name	Siraj Ud Doulah		
ii.	Designation	Trainer		
iii.	Department	Dept. of CSE		
iv.	Date of Birth	14\08\1982		
v.	Unique id	GKCIET/0037		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		BE/BTech	B.Tech (Meghnad Saha Institute of Technology)	
vii.	Work Experiences	Teaching	5 year 6 month	
		Research	--	
		Industry	5 years(T.C.S)	
		Others	--	
viii.	Area of Specialization	1.	--	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Diploma Courses	
		2.	--	
		3.	--	
x.	Research Guidance	PhD	Guided	--
			Ongoing	--
		Master	Guided	--
			Ongoing	--
xi.	Project Carried Out	1.	--	
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	--
			International	--
		Conferences	National	--
			International	--
xiv.	No. of Books published with details	1.	--	
		2.	--	
xv.	Major Publications (max. 5)	1.	--	



i.	Name	Mahafizur Rahaman		
ii.	Designation	Trainer		
iii.	Department	Dept. of CSE		
iv.	Date of Birth	09\12\1989		
v.	Unique id	GKCIET/0038		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		BE/BTech	B.Tech (B.P.P.I.M.T)	
vii.	Work Experiences	Teaching	5 year 6 month	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	--	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Diploma Courses	
		2.		
		3.		
x.	Research Guidance	PhD	Guided	--
			Ongoing	--
		Master	Guided	--
			Ongoing	--
xi.	Project Carried Out	1.	--	
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	--
			International	--
		Conferences	National	--
			International	--
xiv.	No. of Books published withdetails	1.	--	
		2.	--	
xv.	Major Publications (max. 5)	1.	--	



i.	Name	Abhinav Kumar		
ii.	Designation	Trainer		
iii.	Department	Dept. of ME		
iv.	Date of Birth	15/2/1988		
v.	Unique id	GKCIET/0019		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		BE/BTech	B.Tech (IASE DEEMED UNIVERSITY)	
vii.	Work Experiences	Teaching	5 year 6 month	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	--	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Diploma Courses	
		2.	--	
		3.	--	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	Nil
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published withdetails	1.	Nil	
		2.	--	
xv.	Major Publications (max. 5)	1.	Nil	



i.	Name	RAKTIM ROY		
ii.	Designation	TRAINER		
iii.	Department	Dept. of MECHANICAL ENGG. NON FORMAL		
iv.	Date of Birth	05/03/1988		
v.	Unique id	GKCIET/0009		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		BE/BTech	West Bengal University of Technology (W.B.U.T)	
vii.	Work Experiences	Teaching	6 YEARS	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	MECHANICAL ENGINEERING	
		2.	--	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Engineering Drawing at Diploma	
		2.	Industrial Management at Diploma	
		3.	Management at Diploma	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	Nil
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published withdetails	1.	Nil	
		2.	--	
xv.	Major Publications (max. 5)	1.	Nil	



i.	Name	Mojahdul Islam Mallick		
ii.	Designation	Trainer		
iii.	Department	Dept. of FT		
iv.	Date of Birth	11\12\1982		
v.	Unique id	GKCIET/0032		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		BE/BTech	--	
		Diploma	B.Sc(PRIDE), Diploma(WBSCTE)	
vii.	Work Experiences	Teaching	10 years.	
		Research	--	
		Industry	2 years.	
		Others		
viii.	Area of Specialization	1.	--	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Jam,Jelly& Ketchup Processing Technician under PMKVY-TI	
		2.	--	
		3.	--	
x.	Research Guidance	PhD	Guided	--
			Ongoing	--
		Master	Guided	--
			Ongoing	--
xi.	Project Carried Out	1.	--	
xii.	Patents	1.	--	
xiii.	Technology Transfer	1.	--	
	Research Publications	Journals	National	--
			International	--
		Conferences	National	--
			International	--
xiv.	No. of Books published withdetails	1.	--	
		2.	--	
xv.	Major Publications (max. 5)	1.	--	



i.	Name	MINTU SINHA		
ii.	Designation	TRAINER		
iii.	Department	Dept. of FOOD TECHNOLOGY, NON - FORMAL		
iv.	Date of Birth	04/04/1984		
v.	Unique id	GKCIET/0028		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		Diploma	WBSCTE	
vii.	Work Experiences	Teaching	11 years	
		Research	--	
		Industry	01 years	
		Others	--	
viii.	Area of Specialization	1.	Food Processing Technology.	
		2.	--	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	Jam, Jelly & Ketchup Processing Technician under PMKVY-TI.	
		2.	--	
		3.	--	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	Nil
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published with details	1.	Nil	
		2.	--	
xv.	Major Publications (max. 5)	1.	Nil	



i.	Name	DHAJU MOHAMAD		
ii.	Designation	TRAINER		
iii.	Department	Dept. of Electrical Engg. Non Formal Section		
iv.	Date of Birth	18/03/1972		
v.	Unique id	GKCIET/0015		
vi.	Educational Qualifications	Ph.D	--	
		ME/MTech	--	
		BE/BTech	--	
		Diploma	West Bengal State Council of Technical Education (W.B.S.C.T.E)	
vii.	Work Experiences	Teaching	11 Years	
		Research	--	
		Industry	--	
		Others	--	
viii.	Area of Specialization	1.	Electrical Engineering.	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel	1.	Electrical Workshop (PRACTICAL)	
		2.	--	
		3.	--	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	Nil
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published withdetails	1.	Nil	
		2.	--	
xv.	Major Publications (max. 5)	1.	Nil	



i.	Name	PRANAB ROY		
ii.	Designation	TRAINER		
iii.	Department	Dept. of FOOD TECHNOLOGY		
iv.	Date of Birth	11/12/1983		
v.	Unique id	GKCIET/0032		
vi.	Educational Qualifications	Diploma	3 Years Diploma at FALAKATA POLYTECHNIC (WBSCTE)	
vii.	Work Experiences	Teaching	08 years	
		Research	--	
		Industry	02 years	
		Others	--	
viii.	Area of Specialization	1.	FOOD PROCESSING TECHNOLOGY	
		2.	--	
ix.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	1.	JAM, JELLY & KETCHUP PROCESSING TECNICIAN UNDER (PMKVY-TI), FOOD PROCESSING SECTOR.	
		2.	--	
		3.	--	
x.	Research Guidance	PhD	Guided	Nil
			Ongoing	Nil
		Master	Guided	Nil
			Ongoing	Nil
xi.	Project Carried Out	1.	Nil	
xii.	Patents	1.	Nil	
xiii.	Technology Transfer	1.	Nil	
	Research Publications	Journals	National	Nil
			International	Nil
		Conferences	National	Nil
			International	Nil
xiv.	No. of Books published with details	1.	Nil	
xv.	Major Publications	1.	Nil	

For each Faculty give a page covering with Passport size photograph

- i. Name:
- ii. Date of Birth:
- iii. Uniqueid
- iv. EducationQualifications
- v. Work Experience
 - Teaching
 - Research
 - Industry
 - others
- vi. Area ofSpecialization
- vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate DiplomaLevel
- viii. Research guidance
 - No. of papers published in National/ International Journals/Conferences
 - Master
 - Ph.D.
- ix. Projects Carriedout
- x. Patents
- xi. TechnologyTransfer
- xii. Research Publications
- xiii. No. of Books published with details

9. Fee

- Details of fee, as approved by State Fee Committee, for the Institution
Fees Structures are provided in Sl. No. 6
- Time schedule for payment of fee for the entire programme
Before beginning of each semester / notified in the institute website time to time.
- No. of Fee waivers granted with amount and name of students

Following schemes are considered case-wise:

1. TFW (Tuition Fee Waiver)

1	Achisman Kundu	CST / Diploma
2	Rajesh Roy	CST/ Diploma
3	Avijit Chaira	EE/ Diploma
4	Sk Md Kaif	EE/ B. Tech
5	Priyabrata Kapri	FPT/ B. Tech
6	Angshuman Ghosh	ME/ B. Tech

2. Kanyashree

3. Others, as per Govt. norms

- Number of scholarship offered by the Institution, duration and amount
Under planning
- Criteria for fee waivers/scholarship
As per State Govt. / Central Govt. Criteria
- Estimated cost of Boarding and Lodging in Hostels
Hostel accommodation is not available at present. However, the hostel facility at Permanent Campus of the Institute at Narayanpur, Malda shall be available after construction in due course of time.

10. Admission

- Number of seats sanctioned with the year of approval

		Intake Capacity	Duration in years
B. Tech Programs	Electrical Engineering	60	4
	Food Processing Technology	60	4
	Mechanical Engineering	60	4
Diploma	Civil Engineering	60	3
	Computer Science & Technology/Engineering	60	3
	Electrical Engineering	30	3
	Food Processing Technology	30	3
	Mechanical Engineering	30	3

- Number of Students admitted under various categories each year in the last three years

		2016-17	2017-18	2018-19
B. Tech Programs	Electrical Engineering	0	0	16
	Food Processing Technology	0	0	09
	Mechanical Engineering	0	0	19
Diploma	Civil Engineering	24	15	22
	Computer Science & Technology/Engineering	45	21	20
	Electrical Engineering	23	14	14
	Food Processing Technology	22	10	03
	Mechanical Engineering	21	14	10

- Number of applications received during last two years for admission under Management Quota and number admitted
Not Applicable

11. Admission Procedure

- Mention the admission test being followed, name and address of the Test Agency and its URL (website)

Diploma Programs	JEXPO/VOCLET under the West Bengal State Council of Technical & Vocational Education & Skill Development for the candidates of West Bengal (https://webscte.co.in)
	GKCIET Entrance Test (GET) for the candidates from other states excluding West Bengal (http://www.gkciет.ac.in)
B. Tech Programs	WBJEE/JELET Board, West Bengal for the candidates of West Bengal (https://www.wbjeeb.in)
	JEE (Main) under JoSSA for the candidates from other states excluding West Bengal (https://josaa.nic.in)

- Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conductedtest)

Diploma Programs	50% of total seats for the candidates of West Bengal through JEXPO
	50% of total seats for the candidates from other states excluding West Bengal through GET
B. Tech Programs	50% of total seats for the candidates of West Bengal through WBJEE
	25% of total seats for the candidates from states of North-East through JEE (Main)
	25% of total seats for the candidates from other states excluding states of North-East and West Bengal through JEE (Main)

- Calendar for admission against Management/vacant seats:
The institute started 3-year Diploma Programs and 4-year B. tech Programs from the session of 2018-19 affiliated to West Bengal State Council of Technical and Vocational Education and Skill Development, Kolkata and Maulana Abul Kalam Azad University of Technology, West Bengal. There is no Management Quota in the admission process of GKCIET, Malda. However, filling up of vacant seats is under planning/consideration of the institute.
 - Last date of request for applications
 - Last date of submission of applications
 - Dates for announcing final results
 - Release of admission list (main list and waiting list shall be announced on the same day)
 - Date for acceptance by the candidate (time given shall in no case be less than 15 days)
 - Last date for closing of admission
 - Starting of the Academic session

- The waiting list shall be activated only on the expiry of date of mainlist
- The policy of refund of the fee, in case of withdrawal, shall be clearly notified

12. Criteria and Weightages for Admission

- Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.
- Mention the minimum level of acceptance, if any
- Mention the cut-off levels of percentage and percentile score of the candidates in the admission test for the last three years
- Display marks scored in Test etc. and in aggregate for all candidates who were admitted

Admission to all B. Tech programs is considered through WBJEE / JELET / JEE(Main). Accordingly, Institute follows the admission criteria of the respective board.

Admission to all Diploma programs is considered through JEXPO/ VOCLET/ GET. Accordingly, Institute follows the admission criteria of the respective board. In case of GET, the institute follows the criteria of JEXPO usually.

13. List of Applicants

- List of candidate whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats

The respective board allots candidates/students to the programs of GKCIET, Malda as per percentile /percentage score of the candidates / students in qualifying examination.

14. Results of Admission Under Management seats/Vacant seats

- Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)
- Score of the individual candidate admitted arranged in order or merit
- List of candidate who have been offered admission
- Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate
- List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

There is no Management Quota in the admission process of GKCIET, Malda. However, filling up of vacant seats is under planning/consideration of the institute.

15. Information of Infrastructure and Other Resources Available

The Institute has 4 Academic Blocks (one under construction), each contains 4 class rooms, 2 tutorial rooms, 10 laboratories, 1 Seminar/Drawing Hall, separate Faculty/Staff rooms and others.

- Number of Class Rooms and size of each
Size: 74.31 sq.m each room
- Number of Tutorial rooms and size of each
Size: 58.82 sq.m each room
- Number of Laboratories and size of each
Size: 74.31 sq.m each room
- Number of Drawing Halls with capacity of each
Size: 181 sq.m each room
- Number of Computer Centres with capacity of each
Available 5 Computer Labs (Size: 74.31/ 58.82 sq.m)
However, One Central Lab (Capacity >90, Size: 432 sq.m.) is under construction.
- Central Examination Facility, Number of rooms and capacity of each
Examination Control Room, Strong Room and Examination Office
1 (60 sq. m.) , +1 (29 sq.m.) and +1 (15 sq.m.)
- Barrier Free Built Environment for disabled and elderly persons
Available
- Occupancy Certificate
NoC from State Govt./ Land Used Certificate
- Fire and Safety Certificate
Building construction is under NBCC
- Hostel Facilities
Hostel accommodation is not available at present. However, the hostel facility at Permanent Campus of the Institute at Narayanpur, Malda shall be available after construction in due course of time.
- Library
 - Number of Library books/ Titles/ Journals available (program-wise)

Particulars	Departments	Available
No. of Book Titles #(course-wise) in the College Library	CE	116
	CSE	168
	EE	205
	FPT	91
	ME	108
	G. Sc. & Hu.	231
No. of Volumes #(course-wise) in the College Library	CE	765
	CSE	1042
	EE	1017
	FPT	682
	ME	914
	G. Sc. & Hu.	1157

- List of online National/ International Journals subscribed
No. of Journals Published in India : 3
- E- Library facilities
Available

- Laboratory and Workshop
- List of Major Equipment/Facilities in each Laboratory/Workshop
- List of Experimental Setup in each Laboratory/Workshop

Dept of Civil Engineering

List of Major Equipment and Experimental Set-up

Survey Practice

Sr. No.	Name of Equipment	List of Experimental Set-up
1.	Chain (30m) (As per IS: 1492-1970)	<ul style="list-style-type: none"> • Chain and Compass traverse survey • Block contouring • Profile levelling survey • Plane table surveying
2.	Chain (Gunter)	
3.	Steel Arrows	
4.	Ranging Rods (3 meter 3 parts)	
5.	Optical Square Circular box with 3 slit	
6.	Prismatic Compass with Stand (150mm dia)	
7.	Plan Table with stand and accessories (Size: 600mm x 750mm x 21mm)	
8.	Wooden Hammer	
9.	Auto Level with tripod stand	
10.	Levelling Staff (Folding type, 4m long)	

Solid Mechanics Laboratory

Sr. No.	Name of Equipment	List of Experimental Set-up
1.	Universal Testing Machine	<ul style="list-style-type: none"> • Identifying the components of Universal Testing Machine • Tension test on mild steel/tor steel or deformed bars • Compression Test on Structural Materials: Timber, bricks and concrete cubes • Bending Test on Mild Steel • Torsion Test on Mild Steel
2.	Torsion Testing Machine	

Concrete Laboratory

Sr. No.	Name of Equipment	List of Experimental Set-up
1.	Vicat Apparatus	<ul style="list-style-type: none"> • Determination of fineness of cement by sieving. • Determination of standard consistency of OPC/PPC • Determination of initial & final setting times of
2.	Analogue Compression Testing Machine	

3.	G.I. SIEVE set (45 cm dia): 80 mm, 75mm, 63mm,53mm, 50mm,45mm, 40mm,37.5mm,31.5mm, 26.5mm, 25 mm, 22mm,20mm, 19mm, 16mm,14mm,13.2mm,12.50mm,11. 20mm,10mm, 9.50mm,8.60mm, 8.00mm, 6.70mm, 6.0mm, 5.0mm,4.75mm,4.00mm,3.35mm, 2.80mm,2.36mm,2.00mm, Pan and Lid	<p>OPC/PPC.</p> <ul style="list-style-type: none"> • Determination of compressive strength of OPC/PPC. • Determination of soundness of OPC/PPC • Determination of silt content in sand by volume • Determination of maximum % of bulking of sand of a given sample • Determination of grading zone of a given sample • Determination of moisture content of a given sample of sand • Determination of specific gravity of sand • Determination of aggregate crushing value. • Determination of surface moisture and water absorption of a given sample of coarse aggregate • Determination of grading zone of a given sample of coarse aggregate • Determination of workability of concrete – a. slump test • Compressive strength of concrete – a. cylinder and b. cube mould • Determination of physical properties of bricks – a. size b. shape c. weight d.colour e. water absorption f. efflorescence test g. crushing strength test • Laying [1,3,5, ... & 2,4,6,...] to form <ul style="list-style-type: none"> a. English bond (1 brick and 1and half brick thick) b. Flemish bond ((1 brick and 1and half brick thick) including corner joint. • Laying of conventional brick to form a 200 mm thick wall; header and stretcherbond; connection between a main wall and partition & partition wall & partition wall • Compressive strength of hardened concrete by Rebound Hammer Test
4.	Brass SIEVE set (20 cm dia): 80 mm, 75mm, 63mm,53mm, 50mm,45mm, 40mm,37.5mm,31.5mm, 26.5mm, 25 mm, 22mm,20mm, 19mm, 16mm,14mm,13.2mm,12.50mm,11. 20mm,10mm, 9.50mm,8.60mm, 8.00mm, 6.70mm, 6.0mm, 5.0mm,4.75mm,4.00mm,3.35mm, 2.80mm,2.36mm,1.18mm,2.00mm, 0.600mm, 0.300mm, 0.150mm, 0.075mm,Pan and cover	
5.	Cylindrical Metal Measures Capacity 3 ltr,15ltrs, 30ltrs	
6.	Slump Test Apparatus	
7.	Concrete Test Hammer	
8.	Needle vibrator	
9.	Aggregate Crushing value apparatus	
10.	Cube mould (cast Iron) of size 70.6mm x70.6 mm x 70.6 mm	
11.	Cube mould (cast Iron) of size 150mm x 150mm x 150mm	
12.	Electronics digital balance (20/30 kg)	
13.	Cylindrical mould	
14.	Analytical balance	
15.	G.I tray	
16.	Humidity Cabinet	
17.	Trowel	

Transportation and Highway Engineering Laboratory

Sr. No.	Name of Equipment	List of Experimental Set-up
1.	Aggregate Impact Test Apparatus	<ul style="list-style-type: none"> • Determination of aggregate impact value • Determination of aggregate crushing value.
2.	Density basket for water absorption	<ul style="list-style-type: none"> • Determination of flakiness index and elongation index of a given sample of coarse aggregate
3.	Length Gauge (Elongation)	<ul style="list-style-type: none"> • Determination of grade of bitumen sample

4.	Thickness Gauge (Flakiness)	<ul style="list-style-type: none"> • Determination of softening point of a bitumen sample • Determination of flush point and fire point of a bitumen sample • Determination of viscosity of bitumen • Determination of ductility value of bitumen sample
5.	Ductility Testing Machine	
6.	Ring and Ball Apparatus Softening Points	
7.	Thermometer	
8.	Thermometer	
9.	Standard Tar Viscometer	
10.	Flash Point (Closed) Apparatus	
11.	Hot air oven	
12.	Aggregate crushing strength test Apparatus	
13.	Penetration test Apparatus	
14.	Bitumen content test Apparatus	

Soil Mechanics Laboratory

Sr. No.	Name of Equipment	List of Experimental Set-up
1.	Speedy moisture tester (super quality)	<ul style="list-style-type: none"> • Determination of water content of given soil sample by oven drying method as per IS code • Determination of water content of given soil sample by speedy moisture meter. • Determination of Specific gravity of soil by pycnometer method. • Determination of Liquid limit of given soil sample as per IS code • Determination of Plastic limit of given soil sample as per IS code • Determination of Shrinkage limit of given soil sample as per IS code • Determination of grain size distribution of given soil sample by mechanical (Sieve analysis) method as per IS code • Determination of MDD & OMC by standard proctor test on given soil sample as per IS code. • Determination of shear strength of soil using unconfined compressive strength.
2.	Pycnometer	
3.	Test sieves brass frame As per IS : 460, w/o joint in frame, machine made ,wire mesh. Sizes: 2mm, 600micron,425micron, 212micron, 75micron& pan & lid <u>Set of Coarse Sieve comprising sizes:</u> 20mm, 10mm , 4.75mm& lid & pan of 300mm	
4.	Motorised Sieve Shaker	
5.	Atterberg (Liquid Limit) limit Device with counter:	
6.	Plastic Limit Apparatus	
7.	Shrinkage Limit Apparatus	
8.	Standard Proctor Compaction mould	
9.	Modified Proctor compaction mould	
10.	Unconfined Compression Tester Proving ring type	
11.	Aluminium moisture container 2" x 1" 3" x 1"	

	4" x 1"	
12.	GI Tray Size 12" x 18" 18" x 24"	
13.	Glass plate 450mmsq	
14.	Vacuum pump (Motorised)	
15.	Sliding wrench (10")	
16.	Measuring Cylinder "Borosil" 1000ml 500ml 250ml 100ml	
17.	Trowel	
18.	Polythene wash bottle (Squeeze Bottle)	
19.	Porcelain evaporating Dish	
20.	Electric Oven : Hot Air Oven Inner chamber size 24" x 24" x 36" Fitted with motorised air circulation system & inner chamber of stainless steel with digital controller cum indicator.	
21.	Desiccator plain. Plastic with transparent Top- 12"	
22.	Heater electric	
23.	Electronic Digital Balance cap. (200gm x 1 mg)	
24.	Digital direct reading type electronic digital balance ,	

Civil Engineering Drawing

Sr. No.	Name of Equipment	List of Experimental Set-up
1.	Drawing Board	• Introduction, Planning of Building, Culverts etc.
2.	Drawing board stand	

Dept. of Computer Science & Engineering

Sl. No.	Laboratory Name	Equipment	Quantity	List of Experiments
1	Programming for Problem Solving Lab	Computer Systems - i5 processor, 4GB RAM, Windows 10 Professional, Ubuntu, 1TB HDD	20	<p>Students can do programming practice on languages such as C, C++, Java etc. as below.</p> <ol style="list-style-type: none"> 1. Programs to understand working of variables, operators 2. Programs to understand working of conditional statements 3. Programs to understand working of different types of loops. 4. Programs to write functions, use different library functions 5. Programs to understand use of array, structure, union, enumerated data types 6. Programs to understand working of pointer. 7. Programs to work with files. 8. Programs related to object oriented programming such as programs to understand class, object, access specifiers, inheritance, method overloading, method overriding, polymorphism, exception handling, templates etc.
		Projector	01	
2	Data Structures & Algorithm Lab	Computer Systems - i5 processor, 4GB RAM, Ubuntu, 1TB HDD	20	<p>Students can do programming to understand working of different data structures and their application.</p> <ol style="list-style-type: none"> 1. Programs to understand working of Stack, linked list, queue 2. Programs to understand working of tree data structure 3. Programs to understand working of different sorting and searching algorithms. 4. Programs to understand working of hashing.

3	PC Maintenance Lab	Computer Systems - i3 processor, 2GB RAM, Windows 7 Professional, 1TB HDD	16	<p>Students can perform following experiments.</p> <ol style="list-style-type: none"> 1. Assembling and disassembling a computer system. 2. Installing different peripherals. 3. Preventive maintenance and corrective maintenance (through basic troubleshooting) 4. Installing Operating Systems. 5. Installing different types of application such as FTP application and working with them. 6. Working with Motherboard.
4	FTCP Lab/Information Technology Lab	Computer Systems -i3 processor, 4GB RAM, Ubuntu, Windows, 1TB HDD	16	<p>Students can perform following experiments</p> <ol style="list-style-type: none"> 1. Web Page Development using HTML, CSS etc. 2. Working with MS Office (MS Word, MS Excel, MS Power Point etc.) 3. Understanding operating system basics by executing different commands and using GUI etc.

** The Institute has recently established a central computing laboratory with 30 computer systems and the Dept. of Computer Science & Engineering may also use the laboratory by suitably managing time with other departments.

Department of Electrical Engineering

List of Major Equipment Laboratory

Sl. No.	Name of Equipment/Instrument	Quantity
1	Logic Training Board On Counter & Shift Register With P.S. Model No. LTB -811	1 No
2	Study Various Type Of Flip-Flop With Power Supply Model LTB 826	1 No
3	Free Running Multivibrator (Astable) With Power Supply Model- ETB 026	1 No
4	Monostable Multivibrator (Astable) With Power Supply Model- ETB 028	1 No
5	Semi-Conductor Diode Characteristics With Power Supply And Dual Range Meters, Model – ETB-086	1 No
6	Dioed Zener Diode Characteristics With Power Supply And Two Dual Range Model – ETB 051	1 No
7	Comparative Study Of CE, CB & CC Amplifier With Power Model – ETB- 115	1 No
8	FET Characteristics With Power Supply & 3 Meters Model ETB- 053	1 No
9	Two Stage P.C. Coupled Transistor Amplifier With Power Supply Model – ETB-081	1 No
10	Junction Dioed Rectifire & Filter Characteristics With Power Supply And 2 Meters Model-ETB-081	1 No
11	Junction Dioed Rectifire & Filter Characteristics With Power Supply And 2 Meters Model-ETB-081	1 No
12	Audio Amplifier With Power Supply Model – ETB-020	1 No
13	Transistor Feedback Amplifier With Power Supply And 1 Kh 2OSC Model –ETB-056	1 No
14	F.E./T Amplifier With Power Supply Model – ETB- 041	1 No
15	Wein Bridge Audio Oscillators With Power Supply Model ETB-024	1 No
16	Phase shift Audio Oscillators With Power Supply Model ETB-024	1 No
17	R.F.(L-C) Oscillators (Hartley's Colpitts And Clapp's) With Power Supply Model – ETB -025	1 No
18	R.F. (L-C) Oscillators Hartley's Colpitts And Clapp's) With Power Supply Model – ETB -025	1 No
19	Study Of Unijunction Transistor (Ujt) With Power Supply And @ meters Model – ETB -073	1 No
20	Study of UJT & UJT Relaxation Oscillators With Power Supply Model – PET-041	1 No
21	MOS-FET Characteristics With Power Supply & 2 Meters Model ETB – 078	1 No
22	Characteristics Of Coms IC With Power Supply & 2 Digital Meter (C.R.) Model LTB – 866	1 No
23	UJT Firing Circuit Of Scr With Ppower Supply Model PET -434	1 No
24	Resistance Oven	1 No
25	Vacuum Cleaner	1 No
26	Portable Drilling Machine 10 mm	1 No
27	Toaster	1 No
28	Voltage Stabilizer	1 No
29	Manual Coin Winding Machine Make Micrimet Controls	1 No
30	Taps & Dies Complete Set In A Box With Worth(Make Smith) Model -	3 Sets
31	Insulation Tester (Meggar) Hand Driven Generator Type Model 500 Volt 0-100 M Ohms (Make CIE)	2 Nos
32	Insulation Tester (Meggar) 1000 Volt 0 – 100 M Ohms (Make CIE)	2 Nos
33	Insulation Tester (Meggar) 2500 Volt 0 – 100 M Ohms (Make CIE)	2 Nos
34	Electronics KWH Meter Single Phase (Make cabs Electra) Model CESP- 20/30	6 Nos
35	Electronics KWH Meter Three Phase (Make cabs Electra) Model CE-SP- 40	2 Nos
36	Vairable Inductor (Make-Omega) Model- 108-AS	2 Nos
37	Fixed Value Resistor (Make Omega) Model FR- 105	4 Nos
38	Digital LCR Meter (Make- Met Ravi) Model – 4070/4070D	2 Nos
39	Oil Testing Kit 60 kv (Make Electro- Tech) Model ET4050MN	1 Set
40	4 Digit, 250 Volt/500M Ohns, 1000v/2g Ohms Av Voltage Measuring Facility (Make-Met Ravi) Model – DIT-910	1 set
41	Electronics Energy Meter (Make Cabs Electra) Model-CE-SP 20/30	3 Nos
42	Standard Wire Gauge Mectric (Make-Standard)	2 Set Each
43	Decade Condenser Boz (Four Dials) 0.001 To 11.11 Mf 40 Steps Model –Dc-150 FL	4 Nos
44	Fixed Inductor 100 mh 60 Ma Air Core (Make- Omega) Model- 501-L	4 Nos
45	Decode Resistor Box (Six Dials) 10h Ohm To 11.11.10 Ohms 60 Steps (Make:- Omega) Model- DRBC – 1151	4 Nos
46	Insulation Tester (Make- CIE) Model CIE/777	2 Nos
47	Flux Meter (Make-Met Ravi) Model No. EMF-822A/823	2 Nos
48	Tong Tester Digital AC/DC Clamp (Meter Met Ravi) Model No. DT 6250	1 Nos
49	Measurement Of Low Resistance By Industrial Kelvin's Double Bridge (Make Omega) Model –ES-325	1 Nos
50	DC Regulated Powers Supply A) Single Output With Backlight With LCD Display Of Variable 0-30v 0-2 A DC Model No. RPS-3020	12 Nos

51	Digital Frequency Meter (Make –Met Ravi) Model CE 500 F	2 Nos
52	Light Duty Drill (Hand Operated) Make – Roll Wolf Model- EJ3C	1 Nos
53	Measurement Of Induction & Capacitance By Mazwell LC Bridge Model- ETB-135, ETB- 230	1 Nos
54	Measurement Of Unknown Capacitance By Schering Bridge Model-ETB-229	1 Nos
55	Single Phase Auto Transformer (Vacif) make- Make –Osaw	4amp- 2nos 8amp 2nos 10ams- 2 nos
56	Wire Wound Rheostat A.10 Ω 20 Amp. B.20 Ω 20 Amp. C.100 Ω 1 Amp. D. 500 Ω 0.5 Amp. E. 100 Ω 0.25 Amp.	24 Nos
57	Battery Charger Model – 10a Make Mahesh	1 Nos
58	Digital Multi Meter Feajures Make : Futures, Make – Falcon, Model – DMM 10	8 Nos
59	20 Mhz Dual Trace Ana20g Oscilloscope	6 Nos
60	10 Mhz Function Generator with T.T. L/Coms Output	6 Nos
61	20 Mhz Dual Trace Ana20g Oscilloscope	6 Nos
62	10 Mhz Function Generator with T.T. L/Coms Output	3 set
63	Measurement of Displacement Using Lvdt	3 Set
64	Measurement of temperature Using Thermocouple Model TT- TCT	3 Set
65	Continuously Variable Voltage Source Input 230V 50hz Output Dc Volt 0-250v Current 10 amp	3 Set
66	Single phase Transformer 1 kva(Air Colled)	3 Nos
67	Single Phase Transformer 3 kva (Air Colled)	2 Nos
68	Bench Top- Lcr Q Meter Features	2 Nos
69	Digital Cable Locator And Combines with Cable Fault Locator	1 Set
70	Watt Meters 2/3 Elements $\frac{3}{4}$ Wire 3 Phase	1 No
71	Trainer kit Determination Of Parameter Of Two Port Network With All Necessary Meters & Manual	5 Nos
72	Analog And Digital Bread Board Trainer	10 Nos
73	DC Power Supply	4 Nos
74	3 $\frac{3}{4}$ Digital Multi Meter	12 Nos
75	100 Mhz 1 Gsls with FFT Colour Digital Storage Oscilloscope	1 Nos
76	10 mhz Fun Nilon Generator With TTL/COMS Output	5 Nos
77	40 Mhz JCB, Arbitrary Ware From Generator	1 No
78	Digital IC Trainer	10 Nos
79	Analog And Digital & Digital To Analog Convertor Training	2 Nos
80	OP-Amp Trainer	1 Nos
81	Transistor Applications Trainer	2 Nos
82	Transistor Applications Trainer	3 Nos
83	Power Electronics Trainer	1 No
84	AC Moving Cell Rectifier Education Desk Stands Meters, Make Me Cu, Model – CR100 Moving iron Ammeters (portable- A) 0/500 MA Make- MECO A) 0-500 Ma B) 0-1 Amp AC C) 0-5 Amp AC D) 0-15 Amp AC	6 sets
85	Clam On Earth Ground Resistance & Lenkage Current Tester	2 Nos
86	3-1/2 Digit Panel Meter (48X96) A) Range 1/P: \pm 199.9 MA DC, Scale Display:	2 Nos
87	W. Range 1/P: \pm 199.9 Ma DC Scale Display: 0-199 Ama DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos
88	W. Range 1/P: \pm 199.9 Ma DC Scale Display: 0-199 Ama DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos

89	W. Range 1/P:±199.9 Ma DC Scale Display: 0-199 Ama DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos
90	W. Range 1/P:±199.9 Ma DC Scale Display: 0-199 Ama DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos
91	3-1/2 Digit Digital panel Meter (48X96)A) B)C)D)E)	2 Nos
92	3-1/2 Digit panel Meter (48X96) A) B)C)D)E)	2 Nos
93	A)Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos
94	B)Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos
95	C)Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos
96	D)Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos
97	E)Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50 Hz	2 Nos
98	3-1/2 Digit Panel Meter (48X96) F)Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50. G) 3-1/2 Digit Panel Meter (48X96) F) Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC Accuracy: 230 V AC+1-10.@50. H) 3-1/2 Digit Panel Meter (48X96) F) Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50. D) 3-1/2 Digit Panel Meter (48X96) F) Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50. J) 3-1/2 Digit Panel Meter (48X96) F) Range 11P:±199.9 Ma DC, Scale Display: 0-199Ma. DC: Accuracy: 230 V AC+1-10.@50.	10 Nos
99	Techno Meter With Stop Wathch, make:-12 Model L230	2 Nos
100	30 Mhz Dual Trace Anolog Oscilloscope, make-Falcon, Model-Os30	5 Nos
101	Study Kit Showing Dirrerent Construcational of 3q Induction Motor Model 1004.	1 Set
102	Identification of The Different Winding of 3q induction Motor With Phase Sequence Model-1094	1 Set
103	Trainer Kit For Study of A.C. Motor Winding Manual Make-Micro Controls	1 Set
104	Trainer Kit Study Of Consequence Of Single Phasing With Single Phasing Preventer Make Micro Controls	1 Set
105	Trainer Kit For Earth leakage Circuit Breaker Make –Micro Controls	1 Set
106	Trainer Kit For Connection Of 3q Induration Motor With DoI Starter Delta Starter, Make –Micro Control Model – 1004, 1073 & 1039	1 Set
107	Trainer Kit For Study Sodium Vapar Lamp, Make-NIC	1 Set
108	30 Mhz Dual Channel Analog Oscilloscope, Make-Falcon, Model – Os30	1 Set
109	Ac Fundamental Training Board DRIC Circcuit, Model-AI-RLC	6 Nos
110	Murray Loop Test Bridge For Cable Fault, Make-Techno Instrumentation, Model-T-1501	2 sets
111	Trainer Kit For Transient Resonce Of RC With ALL Necessary Meters And Monocle, Make –VPL info Tech Consultants Model-LRLC	5 Nos
112	Trainer Kit For Determination Of Frequency Of LP & HP Filter , Make-VPL info Tech Consultant Model-ALF	5 Nos
113	Trainer Kit For Determination Of frequency Responde Of BP & Br Filters, make-VPL InfoTech And Consultant, Model – Albft	5 Nos
114	To Study The Operation Of Inverting, Operational, Amplifier, Complete with Power Supply And Manual –VPL Info Tech Consultant, Model – Alaptop	5 Nos
115	To Study The Operation Of Weighted, Summer Using Of Pumps, Make-InfoTech & Consultant, Model-AL-Atop	5 Nos
116	To Study The Operation of Inverting Inrigrator Using Op Amps, Make-VPL-InfoTech & Consultant, Model- AL-Atop	5 Nos
117	Mercury Vapour lamp	1 Set
118	DC Voltage Source	2 Nos
119	Compact Fluorescent Lamp	1 Set

120	Speed Control of DC Motor	1 Set
121	Study of Equivalent Circuit of Three Phase Squirrel Cage Induction motor No-load and Blocked Rotot Test	1Set
122	Load test on single phase induction motor	1Set
123	Study of the performance of wound induction motor under load	1Set
124	Z P F Test & potier Reactance Determination of a Single phase induction motor	1Set
125	Ch- DC Compound Generator	1 Set
126	Determination of Equivalent Circuit of a single phase induction motor	1 Set
127	Load test of DC Component motor	1 Set
128	Determination of break down strength of solid instrument material	1 Set
129	Test on over current relay	1 Set
130	Directional over current relay	1 Set
131	Over current time relay	1 Set
132	8085 microprocessor kit	6 Set
133	Universal programmer	1 Set
134	Zero crossing Dector	3Nos
135	Peak dector	3Nos
136	DC Power Supply	4Nos
137	Generalized Constant A B C D of a long Transmit line	1Set
138	Computer setup for Control System Lab(30 Number for Control System Lab and 05 no. for others Lab)	35 set
139	MATLAB Software for 35 users	35 users

List of Experiments as per MAKUT syllabus

Basic Electrical Engineering Laboratory

1. First activity: Introduction to basic safety precautions and mentioning of the do's and Don'ts. Noting down list of experiments to be performed, and instruction for writing the laboratory reports by the students. Group formation. Students are to be informed about the modalities of evaluation.
2. Introduction and uses of following instruments : (a) Voltmeter (b) Ammeter (c) Multimeter (d) Oscilloscope Demonstration of real life resistors, capacitors with color code , inductors and autotransformer.
3. Demonstration of cut-out sections of machines: DC machine, Induction machine, Synchronous machine and single phase induction machine.
4. Calibration of ammeter and Wattmeter.
5. Determination of steady state and transient response of R-L, R-C and R-L-C circuit to a step change in voltage.
6. Determination of steady state response of R-L and R-C and R-L-C circuit and calculation of impedance and power factor.
7. Determination of resonance frequency and quality factor of series and parallel R-L-C circuit.
8. (a) Open circuit and short circuit test of a single-phase transformer (b) Load test of the transformer and determination of efficiency and regulation
9. Determination of Torque speed characteristics and observation of direction reversal by change of phase sequence of connection of Induction motor.
10. Determination of operating characteristics of Synchronous generator.

Analog & Digital Electronic circuit

1. Study of Ripple and Regulation characteristics of full wave rectifier with and without capacitor filter.
2. Study of Zener diode as voltage regulator.
3. Construction of two stage R-C coupled amplifier & study of its gain and Bandwith.
4. Study of class A, C & Push pull amplifier.
5. Realisation V-I & I-V converter using Operational Amplifier.
6. Study of timer circuit using NE 555 and configuration of Monostable and Astable Multivibrator.
7. Study of DAC & ADC
8. Realisation of basic gates using Universal logic gates.
8. Realisation of RS-JK & D flipflop using logic gates.
9. Design of Combinational circuit for BCD to decimal conversion to drive 7-segment display using Multiplexer.

10. Realisation of Synchronous Up/Down counter.
11. Construction of simple Decoder & Multiplexer circuits using logic gates.
12. Construction of adder circuit using Shift register & Full adder

ELECTRIC CIRCUIT THEORY LABORATORY

1. Transient response of R-L and R-C network: simulation with PSPICE /Hardware
2. Transient response of R-L-C series and parallel circuit: Simulation with PSPICE/ Hardware
3. Determination of Impedance (Z) and Admittance (Y) parameter of two port network: Simulation / Hardware.
4. Frequency response of LP and HP filters: Simulation / Hardware.
5. Frequency response of BP and BR filters: Simulation /Hardware.
6. Generation of Periodic, Exponential, Sinusoidal, Damped Sinusoidal, Step, Impulse, Ramp signal using MATLAB in both discrete and analog form.
7. Determination of Laplace transform and Inverse Laplace transform using MATLAB.
8. Amplitude and Phase spectrum analysis of different signals using MATLAB.

ELECTRIC MACHINE LABORATORY-I

1. Study of the characteristics of a DC motor
2. Study of methods of speed control of DC motor
3. Study of the characteristics of a compound DC generator (short shunt).
4. Study of equivalent circuit of a single phase transformer.
5. Polarity test on a single phase transformer & study of different connections of three phase transformer.
6. Study of equivalent circuit of three phase Induction motor by no load and blocked rotor test.
7. Study of performance of wound rotor Induction motor under load.

ELECTRIC AND ELECTRONIC MEASUREMENT LABORATORY

1. Instrument workshop- Observe the construction of PMMC, Dynamometer, Electrothermal and Rectifier type of instruments, Oscilloscope and Digital multimeter.
2. Calibrate AC energy meter.
3. Measurement of resistance using Kelvin double bridge.
4. Measurement of power in Polyphase circuits.
5. Measurement of frequency by Wien Bridge.
6. Measurement of Inductance by Anderson bridge
7. Measurement of capacitance by De Sauty Bridge.
8. Measurement of capacitance by Schering Bridge.

ELECTRIC MACHINES-II LABORATORY

1. Different methods of starting of a 3 phase Cage Induction Motor & their comparison [DOL, Auto transformer & Star-Delta]
2. Speed control of 3 phase squirrel cage induction motor by different methods & their comparison [voltage control & frequency control].
3. Determination of regulation of Synchronous machine by a. Potier reactance method. b. Synchronous Impedance method.
4. Determination of equivalent circuit parameters of a single phase Induction motor.
5. Load test on single phase Induction motor to obtain the performance characteristics.
6. Load test on wound rotor Induction motor to obtain the performance characteristics.
7. To make connection diagram to full pitch & fractional slot winding of 18 slot squirrel cage Induction motor for 6 poles & 4 pole operation.
8. To study the performance of Induction generator.

POWER SYSTEM-I LABORATORY

1. Determination of the generalized constants A,B, C, D of long transmission line.
2. Measurement of earth resistance by earth tester.
3. Dielectric strength test of insulating oil.
4. Determination of breakdown strength of solid insulating material.

CONTROL SYSTEM-I LABORATORY

1. Familiarization with MAT-Lab control system tool box, MAT-Lab- simulink tool box & PSPICE
2. Determination of Step response for first order & Second order system with unity feedback on CRO & calculation of control system specification like Time constant, % peak overshoot, settling time etc. from the response.
3. Simulation of Step response & Impulse response for type-0, type-1 & Type-2 system with unity feedback using MATLAB & PSPICE.
4. Determination of Root locus, Bode plot, Nyquist plot using MATLAB control system tool box for 2nd order system & determination of different control system specification from the plot.
5. Determination of PI, PD and PID controller action of first order simulated process.
6. Determination of approximate transfer functions experimentally from Bode plot.
7. Evaluation of steady state error, setting time, percentage peak overshoot, gain margin, phase margin with addition of Lead

MICROPROCESSOR & MICROCONTROLLER LABORATORY

1. Familiarization with 8085 register level architecture and trainer kit components including the memory map. Familiarization with process of storing and viewing the contents of memory as well as registers.
2. (a) Study of prewritten program on trainer kit using the basic instruction set (data transfer, load/store, arithmetic, logical) (b) Assignment based on that.
3. (a) Familiarization with 8085 simulator on PC (b) Study of prewritten program using basic instruction set (data transfer, load/store, arithmetic, logical). (c) Assignment based on that.
4. Programming using kit/simulator. (a) Lookup table (b) Copying a block of memory (c) Shifting a block of memory. (d) Packing and unpacking of BCD numbers.(e) Addition of BCD number (f) Binary to ASCII conversion (g) String matching
5. Program using subroutine calls and using IN/OUT instruction using 8255 PPI on the trainer kit e.g. subroutine for delay, reading switch state and glowing LEDs accordingly, finding out frequency of pulse train etc.
6. Interfacing any 8 bit latch (74LS373) with trainer kit as a peripheral mapped output port with absolute address decoding.
7. Interfacing with I/O module : (a) ADC (b) Speed control of DC motor with DAC (c) Keyboard (d) Multi digit display with multiplexing. (e) Stepper motor
8. Study of 8031/8051 Micro controller kit and writing program for the following task using the kit (a) table look up (b) basic arithmetic and logical operation (c) interfacing of keyboard and stepper motor.

CONTROL SYSTEM-II LABORATORY

1. Study of a practical position control system obtaining closed step responses for gain setting corresponding to over-damped and under-damped responses. Determination of rise time and peak time using individualized components by simulation. Determination of un-damped natural frequency and damping ratio from experimental data.
2. Tuning of P, PI and PID controller for first order plant with dead time using Z-N method. Process parameters (time constant and delay/lag) will be provided. The gain of the controller to be computed by using Z-N method. Steady state and transient performance of the closed loop plant to be noted with and without steady disturbances. The theoretical phase margin and gain margin to be calculated manually for each gain setting.
3. Design of Lead, Lag and Lead-Lag compensation circuit for the given plant transfer function. Analyze step response of the system by simulation.
4. Obtain Transfer Function of a given system from State Variable model and vice versa. State variable analysis of a physical system - obtain step response for the system by simulation.
5. State variable analysis using simulation tools. To obtain step response and initial condition response for a single input, two-output system in SV form by simulation.
6. Performance analysis of a discrete time system using simulation tools. Study of closed response of a continuous system with a digital controller and sample and hold circuit by simulation.
7. Study of the effects of nonlinearity in a feedback controlled system using time response. Determination of step response with a limiter nonlinearity introduced into the forward path of 2nd order unity feedback control systems. The open loop plant will have one pole at the origin and other pole will be in LHP or RHP. To verify that (i) with open loop stable pole, the response is slowed down for larger amplitude input (ii) for unstable plant, the closed loop system may become oscillatory

with large input amplitude by simulation

8. Study of effect of nonlinearity in a feedback controlled system using phase plane plots. Determination of phase plane trajectory and possibility of limit cycle of common nonlinearities.

POWER SYSTEM-II LABORATORY

1. Study of the characteristics of on delay relay and off delay relay.
2. Test to find out characteristics of (a) under voltage relay (b) earth fault relay.
3. Study on AC load flow using Gauss-seidel method
4. Study on AC load flow using Newton Raphson method.
5. Study on Economic load dispatch.
6. Study of different transformer protection schemes by simulation.
7. Study of different generator protection schemes by simulation.
8. Study of different motor protection schemes by simulation.
9. Study of different characteristics of over current relay.
10. Study of different protection scheme for feeder.

POWER ELECTRONICS LABORATORY

1. Study of the characteristics of an SCR.
2. Study of firing circuits suitable for triggering SCR in a single phase full controlled bridge.
3. Study of the operation of a single phase full controlled bridge converter with R and R-L load.
4. Study of performance of single phase controlled converter with and without source inductance (simulation)
5. Study of performance of step up and step down chopper with MOSFET, IGBT and GTO as switch (simulation).
6. Study of performance of single phase half controlled symmetrical and asymmetrical bridge converter. (simulation)
7. Study of performance of three phase controlled converter with R & R-L load. (simulation)
8. Study of performance of PWM bridge inverter using MOSFET as switch with R and R-L load.
9. Study of performance of three phase AC controller with R and R-L load (simulation)
10. Study of performance of a Dual converter. (simulation) 15. Study of performance of a Cycloconverter (simulation)

DEPARTMENT OF FOOD TECHNOLOGY

DETAILS OF LAB,

NAME OF THE LAB	LIST OF MAJOR EQUIPMENT	LIST OF EXPERIMENTAL SET UP
<ul style="list-style-type: none"> • Chemistry of Food Lab • Food Analysis and Quality Control Lab • Biochemistry lab 	<ul style="list-style-type: none"> • Hot air oven, • Desiccator, • Analytical balance • KEL plus (Protein Digestion Unit) • Muffle Furnace, • Soxhlet Apparatus • Titration unit • Thin Layer Chromatography • Water Distillation Apparatus • BOD Incubator • Melting Point Apparatus • UV Spectrophotometer • Digital Moisture Meter • Electronic Milko Tester • Gerber Centrifuge Machine • Light Duty Liquid Mixture • Viscometer • Water Bath • Necessary glass ware • Necessary chemicals etc. 	<ul style="list-style-type: none"> • Determination of Moisture in food sample. • Determination of Protein in food sample. • Determination of Ash in food sample. • Determination of Crude Fat in food sample. • Determination of Acidity and pH in food sample/beverages. • Determination of total, non-reducing and reducing sugar. • Analysis of jam. • Analysis of milk and milk product. • Determination of adulterants of milk and milk product. • Estimation of Fat percentage, Acidity, pH, Alcohol test, COB test of Milk sample. • Determination of TSS, pH and acidity of fruit juice. • Analysis of wheat flour, bread, biscuits. • Estimation of Iodine value, Saponification value, Acid value, RM value, Peroxide value. • Determination of BOD and COD of a sample of waste water. • Separation of sugar /amino acids by Thin Layer Chromatography. • Study of an enzymatic reaction. • Determination of Pigments in food sample. • Determination of iron, zinc, calcium & tin in food sample. • Determination of gluten strength and gluten quality. • Determination of Sedimentation value of wheat flour. • Determination of moisture and ash content, alcoholic acidity

		of wheat flour etc.
<ul style="list-style-type: none"> • Food Microbiology Laboratory 	<ul style="list-style-type: none"> • Compound Microscope • Laminar air flow • Autoclave • UV Spectrophotometer • Colony Counter • Water bath • BOD Incubator • Bunsen burner • Hot plate • Glass slide • Fumigator • Necessary glass ware • Necessary chemicals etc. 	<ul style="list-style-type: none"> • Study of compound microscope. • Gram Staining and Study of morphology of bacteria cells. • Study of Autoclave. Preparation and sterilization of nutrient broth and agar. • Subculturing of a bacterial strain in liquid and solid medium. • Study of growth of E. Coli by a spectrophotometer. • Study of microbiological quality of milk by MBRT test. • Preparation of synthetic medium for yeast and mould. • Fermented dairy products • Preparation of baker's yeast and enzyme etc.
<ul style="list-style-type: none"> • Food processing lab 	<ul style="list-style-type: none"> • Platform Balance • Analytical balance • Induction Oven • Microwave Oven • Hot air drier • Refractometer • Bottle Cap Tightening Machine • Hand Sealing Machine • Gas Oven • Refrigerator • Necessary utensil • Necessary glass ware • Necessary chemicals etc. 	<ul style="list-style-type: none"> • Preparation of orange squash. • Preparation of jam. • Preparation of jelly. • Preparation of tomato ketchup. • Preparation of pickle. • Preparation of dried carrot. • Preparation of canned peas. • Preparation of dry onion, chilli, garlic. • Preparation of bread, cake, biscuit, cookies, pastry. • Preparation of ice cream, rasogolla • Preparation of sponge cake. • Preparation of candied fruits etc.
<ul style="list-style-type: none"> • Unit Operation Lab 	<ul style="list-style-type: none"> • Ball Mill • Electronic Centrifuge Machine • Micro Filtration Unit • Drier etc. 	<ul style="list-style-type: none"> • To study the working characteristics of ball mill. • To study of filtration and centrifugation. • To study of drying etc.

Department of Mechanical Engineering

<u>Fitting Shop</u>	
<i>Major Equipment</i>	<i>Experiment</i>
Pillar Type Drill M/C	Study and Practice
Power Saw	Study and Practice
Marking Table Scriber With Stand	Study and Practice
Surface Plate	Study and Practice
Bench Grinder	Study and Practice
Pedestal Grinder	Study and Practice
	Making V-Joint
<u>Carpentry Shop</u>	
Circular Saw M/C	Study and Practice
Jig Saw	Study and Practice
Thickness Planner	Study and Practice
Multipurpose Wood Working M/C	Study and Practice
Pillar Type Drill Machine	Study and Practice
Wood Turning Lathe	Study and Practice
Hand Tools	Study and Practice (Half-Lap T Joint, Mortise And Tenon Joint, Dovetail Joint)
<u>Welding Shop</u>	
Oil Cooled Arc Welding Transformer	Study
TIG Welding	Study
Air Cooled Welding Transformer (Arc Welding)	Practice Of Lap Welding, Butt Welding, Edge And Corner Welding
Spot Welding	Spot Welding On G.I Sheets
Oxy-Acetylene Gas Welding Set	Study and Practice
MIG M/C	Study
Bench Grinder	Study and Practice
Hand Tools And Accessories	Study and Practice
	Making Handles Of Chisel/File, Bread Roller, Cricket Wicket
<u>Machine Shop</u>	
Hydraulic Power Hacksaw	Study and Practice
Shaping Machine Heavy Duty	Study and Practice
Universal Vertical Milling	Study
Hydraulic Surface Grinding Machine	Study
Lathe	Study And Doing Job (Plane Turning, Tapper Turning, Thread Cutting, Knurling Chamfering)
Pillar Drill Machine	Study And Practice (Making Hole, Boring Etc.)
Bench Grinder	Study And Practice

<u>Smithy</u>	
Anvils	
Leg Vice	
Swage Blocks	
Bench Grinder	
Electric Furnace With Blower	
Power Hammer	
<u>Sheet Metal Shop</u>	
Sheet Bending M/C	

Sheet Sharing M/C	
Pipe Bending Machine	
AUTOMOBILE LAB	
Model Of Differential Unit	
Model Of Mechanical Linkage Type Steering	
Model Of Power Steering	
Model Of Hydraulic Brake	
Model Of Suspension System Of Rigid Axle	
<u>Thermal Engineering Lab</u>	
Four Cylinder Four Stroke Petrol Engine Test Rig	
Single Cylinder Four Stroke Petrol Engine Test Rig	
Refrigeration Test Rig	
Two Stage Reciprocating Air Compressor Test Rig	
Thermal Conductivity Of Metal	
Stefan Boltzmann Apparatus	
Exhaust Gas Analyzer	
Model And Chart Of I) Babcock & Wilcox Boiler Ii) Cochran Boiler Iii) Lanchaiser Boiler & Loefflor Boiler	
Wall Charts Of Boiler Accessories I) Economiser Ii) Super Heater Iii) Air Filter	
Heat Transfer In Natural Convection	
Heat Transfer In Forced Convection	
Shell And Tube Heat Exchanger Apparatus	
Emissivity Measurement Apparatus	
Heat Transfer From Pin Fin	
<u>Fluid Mechanics & Fluid Machinery Lab</u>	
Closed Circuit Venture Meter Test Rig	
Closed Circuit Pipe Friction Apparatus	
Closed Circuit Pitot Tube Apparatus	
Pelton Turbine Test Rig	
Closed Circuit Single Stage Multispeed Centrifugal Pump Test Rig.	
Closed Circuit Reciprocating Pump Test Rig	
<u>RAC Lab</u>	
Water Cooler Test Rig	
Ice Plant Test Rig	
Hermetically Sealed Compressor(NIC)	
Air Conditioning Test Rig	
Window A.C Test Rig	
RAC Controls	
<u>Strength Of Materials Lab</u>	
Izod And Charpy- Impact Testing Machine	
<u>Theory Of Machine Lab</u>	
Cam Analysis Apparatus	
Motorized Epicyclic Gear Train Apparatus	
Static And Dynamic Balancing Apparatus	
Motorized Gyroscope Test Rig	
Universal Governor Apparatus	

Universal Vibration Apparatus	
<u>Engineering Mechanics</u>	
Universal Forced Table	
Jib Crane Apparatus	
Parallel Force Table	
Inclined Plane Normal	
Wheel And Differential Axle	
Screw Jack Apparatus	
Winch Crab Single Purchase	
Winch Crab Double Purchase	
Worm And Worm Wheel Single	

Department of General Science & Humanities

List of Major Equipments of Chemistry Laboratory

Sl. No.	Name of Equipment/Instrument	Quantity	Working Condition (Yes/ No)	Remarks
1.	Kipps apparatus	01	Yes	
2.	Analytical Chemical balance modern	01	Yes	
3.	Analytical Chemical balance	01	Yes	
4.	Heating mantle set	01	Yes	
5.	Motor less magnetic stirrer (Tarson make)	01	Yes	
6.	Centrifuge machine (Remi)	01	Yes	
7.	Digital IR thermometer (Kusum)	01	Yes	
8.	Digital thermometer	01	Yes	
9.	UV cabinet	01	Yes	
10.	Conductivity meter (Systronic)	02	Yes	
11.	Digital pH meter	02	Yes	
12.	Hot plate	02	Yes	
13.	Digital balance (K Roy)	02	Yes	
14.	Electric heater	01	Yes	

GKCIET, Chemistry Lab Experiments

Course Code : BS-CH191/ BS-CH291	Category : Basic Science Courses
Course Title : Chemistry-I Laboratory	Semester : First/ Second

1.	Conductometric titration for determination of the strength of a given HCl solution by titration against a standard NaOH solution.
2.	pH- metric titration for determination of strength of a given HCl solution against a standard NaOH solution.
3.	Determination of dissolved oxygen present in a given water sample.
4.	To determine chloride ion in a given water sample by Argentometric method (using chromate indicator solution)
5.	Determination of surface tension and viscosity
6.	Thin layer chromatography
7.	Determination of the rate constant of a reaction
8.	Determination of cell constant and conductance of solutions
9.	Saponification/ acid value of an oil
10.	Chemical analysis of a salt
11.	Determination of the partition coefficient of a substance between two immiscible liquids
12.	Adsorption of acetic acid by charcoal

Language Laboratory

1. Intel Core i5 Desktop. 26 nos.
2. Speaker i-ball Booster B-1
3. Access point TP Link Wifi machine.
4. External Hard Disk 1 tb.
5. Headphones. 30 pcs.

LIST OF EXPERIMENTS IN PHYSICS LAB

Sl. No	Name of experiment
1	Measurement of volume of a parallelepiped by slide calipers
2	Measurement of radius of a thin rod by screw gauge
3	Measurement of specific gravity of a liquid by using gravity bottle
4	Determination of modulus of rigidity by static method
5	Determination of modulus of rigidity by dynamic method
6	Determination of Young modulus by flexure method and calculation of bending moment of a beam
7	Determination of Hall coefficient of a semiconductor by four probe method
8	Determination of magnetic susceptibility of ferromagnetic material
9	Use of Carry Foster's bridge to determine unknown resistance
10	Determination of Stefan constant
11	Determination of band gap of semiconductor
12	Measurement of unknown resistance by meter bridge
13	Measurement of unknown resistance by P.O box
14	Verify series resistance theorem by using P.O box
15	Verify parallel resistance theorem by using P.O box
16	Measurement of specific resistance of a wire by meter bridge
17	Measurement of acceleration due to gravity by simple pendulum

- Computing Facilities
 - Internet Bandwidth
100 Mbps
 - Number and configuration of System
201 (i-3/ i-5/i-7)
 - Total number of system connected by LAN
Available in all PCs (>130 in nos.)
 - Total number of system connected by WAN
NKN connection
 - Major software packages available
Available in the institute website
 - Special purpose facilities available
Wi-Fi Connection
- Innovation Cell
Under development



Office Order


In the interest of institute, Shri Shib Shankar Chowdhury, Assistant Professor, Department of General Science & Humanities, GKCIET is assigned as Social Media Operator for operating official Twitter, Face book, YouTube with immediate effect.

A committee has been constituted with the following employees of the institute to work with Shri Shib Shankar Chowdhury:

1. Mrs. Debadrita Roy, Trainer, CSE
2. Mr. Tryambak Kr. Ojha, CSE

They are requested to look after all the works related to social media i.e. GKCIET in addition to their own duties & responsibilities.

This issues with the approval of the competent authority.


(Md. Abdur Rajjaque)
Asst. Registrar (A&E)

Copy to:

1. Concerned Person (by name)
2. Dean-Acad., P & D.
3. All HoDs/HoS
4. Asst. Registrar (Fin/Acad.)
5. IS (BL & Admin), MHRD, Shastri Bhawan, New Delhi-110001
6. Director's Cell
7. File Copy

- Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments
Not applicable
- List of facilities available
 - Games and Sports Facilities
Available/ under development
 - Extra-Curricular Activities
Available/ under development
 - Soft Skill Development Facilities
Available Computer, Internet etc. facilities
- Teaching Learning Process
 - Curricula and syllabus for each of the programmes as approved by the University
**Follow the curriculum and syllabus of the affiliating Board/University
(www.wbut.ac.in and www.webscte.co.in)**
- Academic Calendar of the University

Follow the academic calendar of the affiliating Board/University
(www.wbut.ac.in and www.webscte.co.in)

- Academic Time Table with the name of the Faculty members handling the Course

B. Tech Routine:

http://gkciet.ac.in/information_center/academic/Routine%20B.%20Tech%202018-19%202nd%20Sem.pdf

Diploma Routine:

http://gkciet.ac.in/information_center/academic/Routine%203-Year%20Diploma%202nd%20Sem.pdf

- Teaching Load of each Faculty
At par routines (Diploma and B. Tech)
- Internal Continuous Evaluation System and place
Evaluate following the rules and regulations of the affiliating Board/ University at institute premises. (www.wbut.ac.in and www.webscte.co.in)
- Student's assessment of Faculty, System in place
In process.
- For each Post Graduate Courses give the following:
Not Applicable
 - Title of the Course
 - Curricula and Syllabi
 - Laboratory facilities exclusive to the Post Graduate Course
- Special Purpose
 - Software, all design tools in case
Available as required.
 - Academic Calendar and framework
Follow the academic calendar of the affiliating Board/University (www.wbut.ac.in and www.webscte.co.in)

16. Enrollment of students in the last 3years

Course	2016-17	2017-18	2018-19
Diploma	135/ Modular	74/ Modular	69
B. Tech	0	0	44

17. List of Research Projects/ ConsultancyWorks

- Number of Projects carried out, funding agency, Grant received
- Publications (if any) out of research in last three years out of masters projects
- Industry Linkage
- MoUs with Industries (minimum3)

3 MoUs are available in the Institute website. <http://gkciet.ac.in/index.php>

18. LoA and subsequent EoA till the current Academic Year

Session	Corresponding Link
2012-13/Diploma/LoA	http://gkci.ac.in/3.1_academic.php
2014-15/ Degree/ LoA	http://gkci.ac.in/information_center/academic/AICTE/AICTE%20Approval%20Diploma%202012.pdf
2015-16/Diploma/LoA/CE & CSE	http://gkci.ac.in/information_center/academic/AICTE/AICTE%20Approval%20Degree%202014-15.pdf
2019-20/Diploma and B. Tech/EoA	http://gkci.ac.in/information_center/academic/AICTE/AICTE%20Approval%20Corrigendum%20Diploma%202016-17.pdf
	http://gkci.ac.in/information_center/academic/AICTE/AICTE%20Approval%202019-20.pdf

19. Accounted audited statement for the last three years

[Available in respective section, GKCIET, Malda](#)

20. Best Practices adopted, if any

Note: Suppression and/or misrepresentation of information shall invite appropriate penal action.

The Website shall be dynamically updated with regard to Mandatory Disclosures

*** The information and data will be modified, if required.**

*****X*****