ANNEXURE-18
MANDATORY DISCLOSURE

18.1 Name of the Institution

Regent Institute of Science & Technology
Address: Bara-kanthalia, Telini Para, Barrackpore, Kolkata – 700121
Mobile: +91 8584854350
E-Mail: ristkolkata@gmail.com

18.2 Name and Address of the Trust/Society/Company and the Trustees

Regent Education & Research Foundation Group of Institutions
Address: 11/3, Biresh Guha Street, 7th Floor, Kolkata-700017
Registered With: ADSR, ALIPORE, KOLKATA
Registration Date: 21.10.2008
E-mail: ristkolkata@gmail.com
Phone No.: +91 8584854350

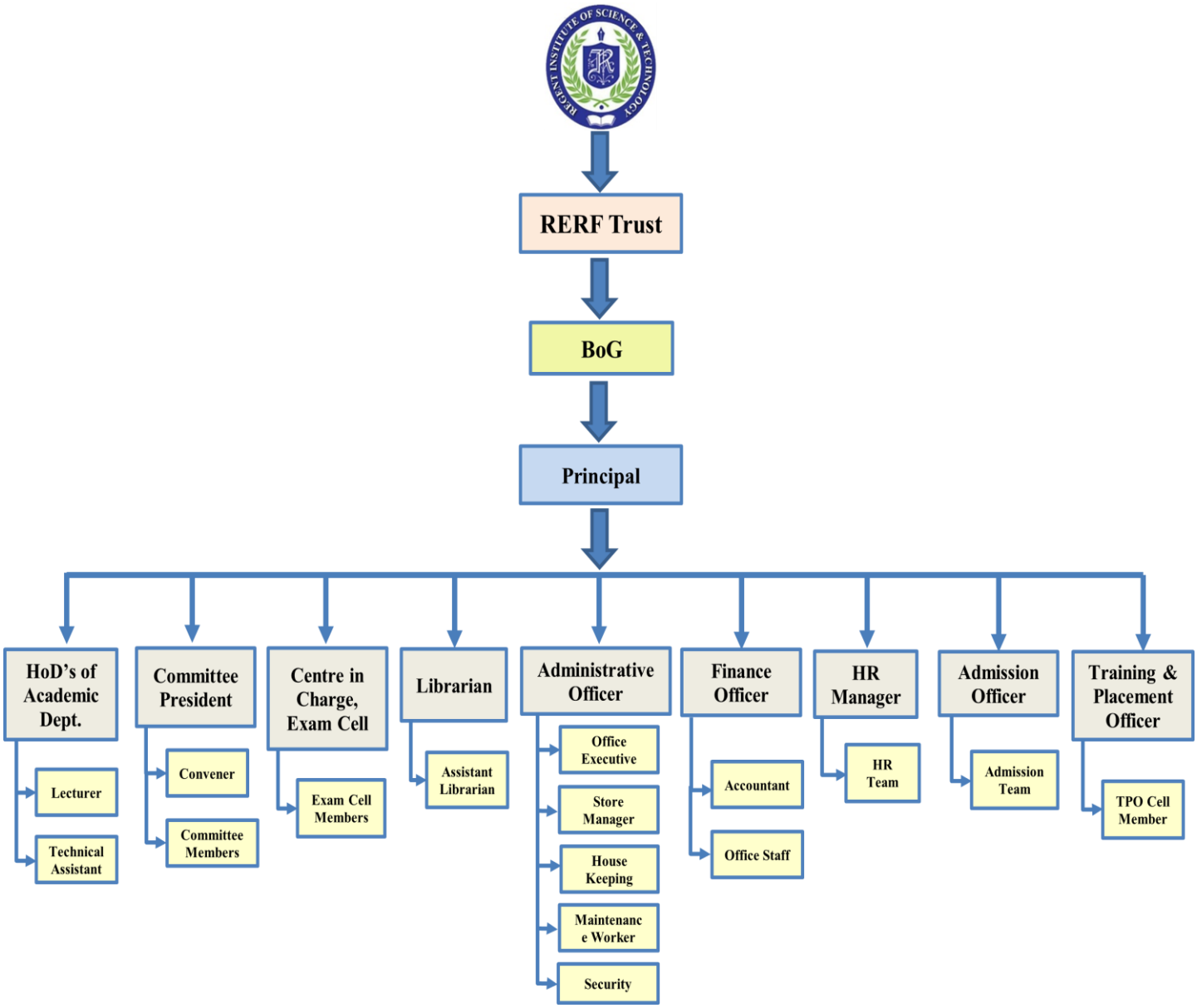
18.3 Name and Address of the Vice-Chancellor/Principal/Director

Principal's Name: **Dr. Soumyendu Bhattacharjee**
Address: Bara-kanthalia, Telini Para, Barrackpore, Kolkata – 700121
Mobile: +91 9903039625
E-Mail: principalrist@regent.ac.in, s.microwave@gmail.com

18.4 Name of the affiliating University: **West Bengal State Council of Technical & Vocational Education & Skill Development**

18.5 Governance:

i. Organizational Chart:



ii. Governing Body Members:

a. Dr. Nandan Gupta (Chairperson, Regent Education and Research Foundation Trust)

b. Dr. Ashok Binaykia (Member, Regent Education and Research Foundation Trust)

c. Rakesh Binaykia (Secretary, Regent Education and Research Foundation Trust)

d. Shri Chandan Gupta (Member, Regent Education and Research Foundation Trust)

e. Dr. Soumyendu Bhattacharjee (Principal, Regent Institute of Science & Technology)

f. Dr. Bidrohi Bhattacharjee (Assistant Professor, Electrical Engineering Department, Budge Budge Institute of Technology)

g. Dr. Pradip Banerjee (Legal Advisor, Regent Education and Research Foundation Trust)

h. Dr. Abhijit Banerjee (Assistant Professor, Electronics Department, Katwa College)

i. Shri Sankha Ghosh (Lecturer, Civil Engineering Department, Ramakrishna Mission Shilpapith, Belgharia)

j. Dr. Madhabi Ganguly (Assistant Professor, Electronics Department, West Bengal State University)

k. Shri Santanu Sadhukhan (Lecturer, Electrical Engineering Department, Regent Institute of Science & Technology)

l. Shri Prasenjit Dey (Lecturer of Physics, Basic Science & Humanities Department, Regent Institute of Science & Technology)

m. Shri Malay Maity (Lecturer of Physics, Basic Science & Humanities Department, Regent Institute of Science & Technology)

n. Member of AICTE

o. Member of DTET

p. Member of WBSCT&VE&SD

iii. Grievance Redressal mechanism for Faculty, Staff and Students:

The College is dedicated to provide an amiable atmosphere for education and personal development of all the students, faculty and staff members. In order to achieve this, a Grievance Redressal Cell is established to address and resolve various grievances and complaints raised by students, faculty or staff members within the college campus. Everyone is informed of this redressal mechanism. The primary objective of such a cell is to provide a transparent and fair platform for individuals to voice their concerns and seek solutions to their problems. Grievances are handled in a compassionate, impartial and efficient means encouraging timely resolution individual privacy and confidentiality.

— **Vision of Grievance Redressal Cell**

The vision of the Grievance Redressal Cell of the institute is to foster a responsible attitude among all the students, faculty, and staff members in order to uphold a harmonious environment in the campus resulting in academic excellence.

— **Mission of Grievance Redressal Cell**

The mission of the Grievance Redressal Cell of Regent Education and Research Foundation Group of Institutions encompasses the following principles:

- Promoting Transparency, Fairness and Trust: The Grievance Redressal Cell aims to ensure transparency in all its processes. It strives to create an environment where everyone is treated equitably. The cell seeks to build trust among students, faculty, and staff members.
- Promoting Accountability: The Grievance Redressal Cell envisions a college where accountability is a core value. It holds individuals and departments responsible for their actions and ensures that corrective measures are taken when necessary.
- Empowering Individuals: The cell's mission is to empower individuals to speak up and seek resolution when they encounter issues or challenges. It strives to create a culture where raising concerns is encouraged and respected.
- Respect for Diversity: The cell’s mission is to celebrate diversity and inclusivity. It seeks to address grievances related to discrimination, harassment, or bias to ensure that all members of the college community feel valued and respected.
- Timely and Efficient Resolution: The mission emphasizes a commitment to resolving grievances in a timely and efficient manner, recognizing that delays can exacerbate issues and lead to frustration.
- Compliance and Legal Standards: The cell aligns with all applicable legal and regulatory standards, ensuring that the college operates in full compliance with relevant laws and regulations.

— **Objectives of Grievance Redressal Cell**

The primary objectives of the Grievance Cell of Regent Education and Research Foundation Group of Institutions are:

- Provide a Formal Platform: To offer a formal and structured platform for individuals to raise their grievances and complaints, ensuring that no legitimate concern goes unheard.
- Resolve Disputes: To resolve disputes and conflicts at the earliest stage possible, preventing them from escalating and negatively impacting the college environment.
- Protect Against Discrimination and Harassment: To address grievances related to discrimination, harassment, or bias, thereby fostering a safe and inclusive environment for all members of the college community.
- Minimize Disruption: To resolve grievances in a way that minimizes disruption to the academic and administrative activities of the college, ensuring a smooth learning and working experience.
- Collect Feedback: To collect feedback from complainants and stakeholders to continuously improve the grievance redressal process and address any systemic issues.
- Educate and Raise Awareness: To maintain accurate records of all grievances, their status, and the actions taken for transparency and accountability purposes.
- Maintain Records: To maintain accurate records of all grievances, their status, and the actions taken for transparency and accountability purposes.

iv. Establishment of Anti-Ragging Committee:

- Dr. Soumyendu Bhattacharjee (Chairperson)
- Mr. Prasun Das (Convenor)
- Mr. Harasish Biswas, S.I., Mohanpur Police Station (Member)
- Mr. Indranil Chatterjee, Media Representative (Member)
- Mr. Chandu Bhushan Singha Roy, NGO Representative (Member)
- Mr. Rupam Kumar Chatterjee (Member)
- Mr. Niladri Dutta (Member)
- Mrs. Sanjukta Roy (Member)
- Mrs. Rituparna Mukherjee (Member)
- Ms. Emon Ghosh (Student Member)
- Mr. Suprabhat Ghosh (Guardian Representative, Member)
- Ms. Bipasha Bhaduri (Student Member)
- Mr. Biswrup Bhadhuri (Guardian Representative, Member)

v. Establishment of Online Grievance Redressal Mechanism: YES

vi. Details of Grievance Redressal Committee in the Institution :

Grievance Redressal Committee for Staff:

- Dr. Soumyendu Bhattacharjee (Principal, RIST & Chairperson)
- Mr. Santanu Sadhukhan (Teacher in Charge & Convenor)
- Mrs. Rinku Banerjee (Lecturer, BSH & Co-Convenor)
- Mrs. Rituparna Mukherjee (Lecturer, DEE & Member)
- Mrs. Sanjukta Roy (Lecturer, BSH & Member)
- Sk Jahirul Islam (Lecturer, DME & Member)
- Sk Saifuddin Ali (Lecturer, DME & Member)
- Mr. Niladri Dutta (Lecturer, DEE & Member)

Grievance Redressal Committee for Students:

- Dr. Soumyendu Bhattacharjee (Principal, RIST & Chairperson)
- Mr. Santanu Sadhukhan (Teacher in Charge, & Convenor)
- Mr. Prabal Kr. Basak (Lecturer, DEE & Co-Convenor)
- Mr. Bhaskar Sardar (Lecturer, DME & Member)
- Sk Jahirul Islam (Lecturer, DME & Member)
- Sk Saifuddin Ali (Lecturer, DME & Member)
- Mr. Iraban Lahiri (Student, DCSE &Member)
- Ms. Gitali Bose (Student, DCSE & Member)

vii. Establishment of Internal Committee (IC):

- **Statutory committees (Mandatory by AICTE)**
- **Anti-Ragging Committee and Squad:** Prevent and prohibit ragging inside and outside the campus. The squad keeps a close vigil on student interactions in places like canteens, buses, and hostels.

Anti-Ragging Committee

- Dr. Soumyendu Bhattacharjee (Chairperson)
- Mr. Prasun Das (Convenor)
- Mr. Harasish Biswas, S.I., Mohanpur Police Station (Member)
- Mr. Indranil Chatterjee, Media Representative (Member)
- Mr. Chandu Bhushan Singha Roy, NGO Representative (Member)
- Mr. Rupam Kumar Chatterjee (Member)
- Mr. Niladri Dutta (Member)

- Mrs. Sanjukta Roy (Member)
- Mrs. Rituparna Mukherjee (Member)
- Ms. Emon Ghosh (Student Member)
- Mr. Suprabhat Ghosh (Guardian Representative, Member)
- Ms. Bipasha Bhaduri (Student Member)
  Mr. Biswrup Bhadhuri (Guardian Representative, Member)

Anti-Ragging Squad

- Dr. Soumyendu Bhattacharjee (Chairperson)
- Mr. Prasun Das (Convenor)
- Mr. Debajyoti Manna (Member)
- Mrs. Runtu Das (Member)
- Mr. Soumen Majumder (Member)
- Mrs. Mayuri Chakrabary (Member)
- Mr. Souranil Bhattacharyya (Member)
- Mr. Sagnik Singha Roy (Member)
- Mr. Nabhojit Roy (Member)
- Mr. Prasanta Nag (Admin Staff Member)
- Mrs. Mukti Singha Roy (Admin Staff Member)
- Mr. Santanu Bera (Student Member)

i. **Grievance Redressal Committee (GRC):** Provides a mechanism for students and staff to address grievances. This ensures transparency and resolves issues fairly. AICTE regulations require both a student GRC and a faculty/staff GRC.
   a. Dr. Soumyendu Bhattacharjee (Principal,Chairperson)
   b. Mr. Santanu Sadhukhan (Teacher in Charge and Convenor)
   c. Mr. Prabal Kumar Basak (Lecturer, DEE & Co-Convener)
   d. Smt. Rinku Banerjee (Lecturer, BSH & Co-Convener)
   e. Mr. Niladri Dutta (Lecturer, DEE & Member)
   f. Mr. Bhaskar Sardar (Lecturer, DME & Member)
   g. Smt. Sanjukta Roy (Lecturer, BSH & Member)
   h. Smt. Rituparna Mukherjee (Lecturer, DEE & Member)
   i. Sk Jahirul Islam (Lecturer, DME & Member)
   j. Sk Saifuddin Ali (Lecturer, DME & Member)
   k. Mr. Iraban Lahiri (Student, DCSE & Member)
   l. Ms. Gitali Bose (Student, DCSE & Member)

ii. **Internal Complaints Committee (ICC):** Addresses and prevents sexual harassment of women employees and students at the workplace, in accordance with the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.
   a. Dr. Soumyendu Bhattacharjee (Chairperson)
   b. Mr. Santanu Sadhukhan (Convenor)

c. Mrs. Mayuri Chakraborty (Member)
d. Mrs. Sanjukta Roy (Member)
e. Mrs. Rituparna Mukherjee (Member)
f. Mrs. Runtu Das (Member)

iii. **Committee for Scheduled Castes (SC) and Scheduled Tribes (ST):** Oversees and resolves issues related to SC/ST students and staff. It also promotes schemes and initiatives for their welfare and provides a grievance redressal mechanism.
a. Dr. Soumyendu Bhattacharjee (Chairperson)
b. Minhaj Uddin Mallick (Convenor)
c. Sayan Maji (Co-Convenor)
d. Sri Bhaskar Sardar (Member)
e. Sk. Jahirul Islam (Member)
f. Sk. Saifuddin Ali (Member)
g. Sri Raja Das (Member)
h. Sri Suman Sarkar (Member)
i. Sri Sourav Bairagi (Member)

iv. **Internal Quality Assurance Cell (IQAC):** Works to develop and apply quality benchmarks for the college's academic and administrative activities. It promotes a learner-centric environment and best practices.
a. Dr. Soumyendu Bhattacharjee (Principal, RIST, Chairperson)
b. Mr. Sourav Patra (Lecturer, DME & Member)
c. Mr. Kallol Singha (Lecturer, DEE & Member)
d. Mr. Prasenjit Dey (Lecturer, BSH & Member)
e. Mr. Avijit Dutta (Lecturer, DCSE & Member)
f. Mr. Sayan Kumar Khan (Lecturer, DCSE & Member)

v. **Institution's Innovation Council (IIC):** Established to create an ecosystem that fosters innovation and entrepreneurship within the institution.
a. Dr. Soumyendu Bhattacharjee (Secretary)
b. Mr. Niladri Dutta (President)
c. Mr. Malay Maity (Vice President)
d. Ms. Suvra Sarkar (Convenor)
e. Mr. Kallol Singha (Member)
f. Mrs. Mayuri Chakrabarty (Member)
g. Mr. Khounish Biswas (Member)
h. Mrs. Madhumita Saha Ghosh (Member)
i. Mr. Aniruddha Chakraborty (Member)
j. Mr. Prantick Pattanayak (Member)
k. Mr. Souranil Bhattacharjee (Member)
l. Mr. Priyangshu Banerjee (Member)
m. Mr. Tridip Nath (Member)
n. Mr. Soumyajit Sinha (Member)
o. Mr. Bhaskar Sardar (Member)

p. Mr. Rane Chakraborty (Member)
q. Mrs. Payeli Mukherjee (Member)
r. Mrs. Runtu Das (Member)
s. Mr. Sayan Kumar Khan (Member)

- **Non-statutory committees (Institution-specific)**

i. **Admissions Committee:** Manages the admissions process for various programs, ensuring it aligns with statutory guidelines.
   a. Dr. Soumyendu Bhattacharjee (Principal, RIST, Chairperson)
   b. Mr. Santanu Sadhukhan (Teacher In-Charge, RIST, Convenor)
   c. Mr. Sourav Patra (HOD, DME, Co-Convenor)
   d. Mr. Souranil Bhattacharya (Lecturer, DEE, Member)
   e. Ms. Hitaisona Bhattacharjee (Lecturer, DCSE, Member)
   f. Mrs. Mayuri Chakraborty (HOD, DCSE, Member)
   g. Mr. Niladri Dutta (Lecturer, DEE, Member)

ii. **Disciplinary Committee:** Maintains discipline among students by enforcing the code of conduct and addressing violations.
   a. Dr. Soumyendu Bhattacharjee (Principal, RIST, Chairperson)
   b. Mr. Santanu Sadhukhan (Teacher In-Charge, RIST, Convenor)
   c. Dr. Pradip Banerjee (Legal Advisor, RIST, Co-Convenor)
   d. Mr. Sourav Patra (HOD, DME, Member)
   e. Mr. Khounish Biswas (Lecturer, DME, Member)
   f. Mrs. Mayuri Chakraborty (HOD, DCSE, Member)
   g. Mr. Sayan Kumar Khan (Lecturer, DCSE, Member)
   h. Mr. Prasenjit dey (HOD, BSH, Member)
   i. Mrs. Sanjukta Roy (Lecturer, BSH, Member)
   j. Mrs. Rituparna Mukherjee (Lecturer, DEE, Member)
   k. Mrs. Runtu Dey (Lecturer, DCSE, Member)

iii. **College Development Committee (CDC):** Oversees the overall academic and administrative development of the college.
   a. Dr. Soumyendu Bhattacharjee (Principal & Chairperson)
   b. Mr. Santanu Sadhukhan (Teacher in Charge & Convenor)
   c. Mr. Kallol Singha (HOD, DEE & Co-Convenor)
   d. Mr. Rupam Kumar Chatterjee (Lecturer, Member)
   e. Mr. Raja Das (Lecturer, Member)
   f. Mrs. Mayuri Chakrabarty (HOD, DCSE & Member)

iv. **Library Committee:** Advises on the acquisition of new books, journals, and other learning resources for the library.
   a. Dr. Soumyendu Bhattacharjee (Principal, Chairperson)

b. Mr. Santanu Sadhukhan (TIC, Convenor)
c. Mr. Debjyoti Dutta (Librarian)
d. Mr. Nabhojit Roy (Assistant Librarian)

v. **Placement Cell/Committee**: Manages the placement activities for students and handles industry-institution interactions.
a. Dr. Soumyendu Bhattacharjee (Principal, Chairperson)
b. Mrs. Samapika Sinha (T&P Officer, Convenor)
c. Mr. Gansh Das (Co-Convenor)
d. Mousumi Mukherjee (Member)
e. Mr. Dipankar Dutta (Member)

vi. **Student Counselor Committee:** Appoints counselors to provide psychological help and guidance to students.
a. Dr. Soumyendu Bhattacharjee (Chairperson)
b. Ms. Deblina Chatterjee (Member)
c. Mrs. Rituparna Mukherjee (Member)
d. Mrs. Sanjukta Roy (Member)
e. Mr. Jit Biswas (Member)
f. Mr. Niladri Dutta (Member)
g. Mr. Rupam Kumar Chatterjee (Member)

vii. **Cultural Committee:** Organizes and coordinates cultural activities, events, and festivals within the college.
a. Dr. Soumyendu Bhattacharjee (Chairperson)
b. Mrs. Rituparna Mukherjee (Convenor)
c. Ms. Hitaisona Bhattacharjee (Co-Convenor)
d. Mrs. Sanjukta Roy (Member)
e. Mr. Niladri Dutta (Member)
f. Mrs. Runtu Das (Member)
g. Mr. Souranil Bhattacharya (Member)
h. Ms. Manisha Dey (Member)
i. Mr. Shahraj Alam (Student Member)
j. Mr. Snehasis Mazumdar (Student Member)

viii. **Examination Committee:** Ensures the smooth and systematic conduct of examinations, from preparing question papers to publishing results.
a. Dr. Soumyendu Bhattacharjee (Principal)
b. Mr. Santanu Sadhukhan (CIC)
c. Mr. Malay Maity (Member)
d. Mr. Prasenjit Dey (Member)
e. Mr. Sourav Patra (Member)
f. Mr. Avijit Dutta (Member)
g. Mr. Kallol Singha (Member)
h. Mrs. Mayuri Chakrabarty (Member)

ix. Women Development Cell (WDC): Works for the overall welfare and development of female students and staff.

a. Dr. Soumyendu Bhattacharjee (Chairperson)
b. Mr. Santanu Sadhukhan (Convenor)
c. Mrs. Mayuri Chakraborty (Member)
d. Mrs. Sanjukta Roy (Member)
e. Mrs. Rituparna Mukherjee (Member)
f. Mrs. Runtu Das (Member)

x. Sports Committee:

a. Dr. Soumyendu Bhattacharjee (Chairperson)
b. Mr. Prabal Kumar Basak (Convenor)
c. Mrs. Rituparna Mukherjee (Co-Convenor)
d. Mr. Priyangshu Banerjee (Member)
e. Sk. Jahirul Islam (Member)
f. Mr. Debojyoti Manna (Member)
g. Mr. Souradip Bhukta (Member)
h. Mr. Tridip Nag (Member)
i. Mr. Bhaskar Sardar (Member)
j. Ms. Hitaisona Bhattacharjee (Member)
k. Mr. Shahraj Alam (Student Member)
l. Mr. Snehasis Mazumdar (Student Member)

xi. Alumni Committee

a. Mr. Pranay Mukherjee (Convenor)
b. Mrs. Supti Samanta Mukherjee (Co- Convenor)
c. Mr. Nazim Uddin Mondal (Member)
d. Mr. Surajit Pal (Member)
e. Mr. Arindam Dey (Member)
f. Mr. Santanu Chakraborty (Member)
g. Mr.Feeroj Ali (Member)

viii. Establishment of Committee for SC/ST:

i. Dr. Soumyendu Bhattacharjee (Chairperson)
ii. Minhaj Uddin Mallick (Convenor)
iii. Sayan Maji (Co-Convenor)
iv. Sri Bhaskar Sardar (Member)
v. Sk. Jahirul Islam (Member)

vi. Sk. Saifuddin Ali (Member)
vii. Sri Raja Das (Member)
viii. Sri Suman Sarkar (Member)
ix. Sri Sourav Bairagi (Member)

ix. Equal Opportunity facilities cell:

i. Dr. Soumyendu Bhattacharjee (Chairperson)
ii. Mr. Kallol Singha (Convenor)
iii. Mr. Prasenjit Dey (Coordinator)
iv. Mrs. Sanjukta Roy (Faculty Representative)
v. Mrs. Rinku Banerjee (Member)
vi. Mr. Aniruddha Chakraborty (Member)
vii. Mr. Snehasis Mazumdar (Member)
viii. Shahraj Alam (Member)

18.6 Programmes:

i. Name of Programmes approved by AICTE:
a. Diploma in Mechanical Engineering
b. Diploma in Civil Engineering
c. Diploma in Electrical Engineering
d. Diploma in Computer Science & Engineering

ii. Name of Programmes Accredited by NBA: NA
iii. Status of Accreditation of the Courses: NA
iv. Total number of Courses: 04
v. For each Programme the following details are to be given:

a. Name	Diploma in Mechanical Engineering
b. Number of Seats	120
c. Duration	3 Years
d. Cut off Marks/ Rank of admission during the last year	As per Norms and Guidelines of WBSCT&VE&SD

a. Name	Diploma in Civil Engineering
b. Number of Seats	120
c. Duration	3 Years
d. Cut off Marks/ Rank of admission during the last year	As per Norms and Guidelines of WBSCT&VE&SD

a. Name	Diploma in Electrical Engineering
b. Number of Seats	60

c. Duration	3 Years
d. Cut off Marks/ Rank of admission during the last year	As per Norms and Guidelines of WBSCT&VE&SD

a. Name	Diploma in Computer Science & Engineering
b. Number of Seats	60
c. Duration	3 Years
d. Cut off Marks/ Rank of admission during the last year	As per Norms and Guidelines of WBSCT&VE&SD

vi. Fee (as approved by the State Government):

a. Tuition Fee (For the students admitted through JEXPO) - Rs.1500/- per month
b. Tuition Fee (For the students admitted through Management Quota) - Rs.2500/- per month

vii. 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, if any: NA

a. Details of the Foreign University, if any: NA
b. Name of the University: NA
c. Address: NA
d. Website: NA
e. Accreditation status of the University in its Home Country: NA
f. Ranking of the University in the Home Country: NA
g. 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. : NA

viii. Nature of Collaboration: NA

ix. Complete details of payment a student has to make to get the full benefit of Collaboration: NA

x. For each Programme Collaborated provide the following: NA

xi. Programme Focus: NA

xii. Number of seats: NA

xiii. Admission Procedure: NA

xiv. Fee (as approved by the state government): NA

xv. Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/ Foreign University has applied to AICTE for approval: NA

18.7 Faculty

i. Course/ Branch wise list Faculty Members:

ACADEMIC DEPARTMENT-RIST

Sl No	Employee Name	Gender	Designation	Department	Date Of Joining	D.O.B	CONTACT	Highest Qualification
1	Dr. Soumyendu Bhattacharjee	Male	Principal	Administration	26-Aug-25	28-Nov-82	9051803164	M.Tech, PhD
2	Sourav Patra	Male	Lecturer	ME, HOD	22-Aug-14	29-May-90	9734377468	M Tech
4	Khounish Biswas	Male	Lecturer	ME	09-Oct-21	21-Jun-83	9883377137	B.Tech
5	Debajyoti Manna	Male	Lecturer	ME	18-Apr-22	01-May-95	7908024575	M.Tech
6	Jit Biswas	Male	Lecturer	ME	03-Jun-22	17-Sep-92	9830859385	B.Tech
7	Sk Jahirul Islam	Male	Lecturer	ME	04-Jun-22	14-Jun-89	8442850393	M.Tech (P)
8	Sudip Maity	Male	Lecturer	ME	11-Oct-22	12-Mar-93	9062249847	B.Tech
9	Soumyajit Sinha	Male	Lecturer	ME	22-Jul-25	19-Sep-88	7003440373	B.Tech
10	Sk Saifuddin Ali	Male	Lecturer	ME	22-Jul-25	9-Feb-92	8617701311	B.Tech, M.Tech (P)
11	Bhaskar Sardar	Male	Lecturer	ME	20-Aug-25	2-Oct-00	7980746910	B.Tech, M.Tech
13	Prasenjit Dey	Male	Lecturer	BSH, HOD	01-Dec-12	23-Jun-87	9831953333	M.SC., B.ED
12	Malay Maity	Male	Lecturer	BSH	01-Nov-12	04-Dec-74	9748178592	M.SC
14	Souradeep Bhukta	Male	Lecturer	BSH	10-Jan-25	12-May-98	9073031825	M.SC., B.SC
15	Aniruddha Chakraborty	Male	Lecturer	BSH	19-Jul-25	31-Mar-89	9903588427	M.A ENGLISH,
16	Sagnik Roy Chowdhury	Male	Lecturer	BSH	01-Aug-25	02-Jun-00	6289567189	M.SC., B.ED
17	Sanjukta Roy	Female	Lecturer	BSH	01-Aug-25	27-May-	8902217477	BA,MA

						89		
18	Soumyadeb Roy	Male	Lecturer	BSH	16-Sep-25	10-Dec-93	7980056157	BA,MA
19	Tridip Nag	Male	Lecturer	BSH	14-Aug-25	29-Nov-01	8910019497	M.SC., B.SC
20	Rinku Banerjee	Male	Lecturer	BSH	14-Aug-25	22-Jul-91	8967524511	BA,MA, B.ED
21	Kallol Singha	Male	Lecturer	EE, HOD	01-Sep-15	28-Jun-86	9830327274	B.Tech
23	Arnab Basu	Male	Lecturer	EE	17-Aug-18	13-Jul-93	8478923489	B.Tech
24	Santanu Sadhukhan	Male	Lecturer	EE	05-Aug-14	22-Mar-87	9748172719	M.TECH
25	Rupam Kumar Chatterjee	Male	Lecturer	EE	15-Jan-22	26-Feb-91	9088593162	M.TECH
26	Niladri Dutta	Male	Lecturer	EE	21-Sep-21	14-Mar-96	8910088446	M.Tech
27	Rituparna Mukherjee	Female	Lecturer	EE	20-Apr-22	05-Sep-88	8335081887	M.TECH
28	PRABAL KR BASAK	Male	Lecturer	EE	27-Jul-24	27-Oct-78	9231610935	ME
29	Raja Das	Male	Lecturer	EE	15-Jul-25	31-Jan-98	8777780898	M.Tech
30	Souranil Bhattacharyya	Male	Lecturer	EE	15-Jul-25	4-Mar-99	9330262122	B.Tech
31	Tiasa Chakraborty	Male	Lecturer	EE	12th Sept, 2025	3-Jan-99	8961272487	B.Tech
33	Prantick Pattanayak	Male	Lecturer	EE	1-Aug-25	14-Aug-01	7098400456	M.Tech
36	Mayuri Chakrabarty	Female	HOD/Lecturer	CSE	22-Aug-24	10-Sep-94	8479887774	M.TECH
35	Sayan Kumar Khan	Male	Lecturer	CSE	31-Mar-23	19-Jun-95	9474640109	B.Tech
34	Suvra Sarkar	Female	Lecturer	CSE	22-Sep-21	02-Jan-81	8777379484	M.Tech
37	Madhumita Saha Ghosh	Female	Lecturer	CSE	20-Feb-25	02-Dec-95	9062573644	BCA, MCA
40	Soham Ghosh	Male	Lecturer	CSE	12th Sept, 2025	18-Dec-96	7001870914	B.Tech
41	Atish Chandra Roy	Male	Lecturer	CSE	12th Sept, 2025	12-Oct-98	8582995669	B.Tech
42	Hitaisona Bhattacharjee	Female	Lecturer	CSE	12-Aug-25	16-Feb-00	8638673013	B.TECH
43	Avijit Dutta	Male	HOD/Lecturer	CE	14-Feb-22	31-May-95	8757314225	B.TECH
44	Manisha Dey	Female	Lecturer	CE	06-Aug-25	10-Nov-98	7001981761	B.TECH
45	Mousam Mukhopadhaya	Male	Lecturer	CE	15-Jul-13	17-Aug-90	7687956848	B.TECH

46	MINHAJ UDDIN MALLICK	Male	Lecturer	CE	12-Feb-14	04-Apr-92	9477235318	M.TECH
47	SAYAN MAJI	Male	Lecturer	CE	20-Jan-22	20-Apr-90	8777656161	B.TECH
48	Rane Chakraborty	Male	Lecturer	CE	08-Aug-25	23-Oct-94	8961478463	B.TECH, Mtech (P)
49	Payeli Mukherjee	Female	Lecturer	CE	08-Aug-25	21-Nov-92	9434651173	B.TECH, M.TECH
50	Runtu Das	Female	Lecturer	CE	08-Aug-25	16-Apr-90	6289177767	B.TECH, Mtech (P)

ii. Permanent Faculty: 50
iii. Adjunct Faculty: NA
iv. Permanent Faculty: Student Ratio: 1:20

18.8 Profile of Principal

i. Name: Dr. Soumyendu Bhattacharjee (Principal)

ii. Date of Birth: 28/11/1982

iii. Unique ID: 1-9423662038

iv. Education Qualifications: M.Tech, Ph.D (ECE)

v. Work Experience: 19 years

vi. Teaching/ Research/ Industry/ Others: Teaching (19 years), Research (12 years)

vii. Area of Specialization: Electronics and Communication, Electronics Science, VLSI & Micro Electronics, Microwave & Antenna, Digital Image Processing

viii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level: Analog & Digital Electronics, Analog & Digital Communication, VLSI & Microelectronics, Electromagnetic Theory, Antenna, Control System, Microwave Communication, Digital Image Processing, Nano Electronics, Microprocessor& Microcontroller.

ix. Research guidance (Number of Students): N/A

x. No. of papers published in National/International Journals/Conferences: 58

xi. Master :Completed

xii. Ph.D. : Completed

xiii. Projects Carried out: N/A

xiv. Patents (Filed & Granted): 03

xv. Technology Transfer: N/A

xvi. Research Publications :

Journal:

As a First Author→

1. Soumyendu Bhattacharjee, Susmita Das, Sangita Roy, Arpita Santra, Anasuya Sarkar, Moumita Pal, Biswarup Neogi (June, 2025) “On Design Of Predictive Model For Heart Disease” Published in Journal Of Mechanics Of Continua And Mathematical Sciences, Vol- 20, Issue-6, ISSN NO: 2454-7190- SCOPUS Indexed Journal. doi.org/10.26782/jmcms.2025.06.00007

2. Soumyendu Bhattacharjee, Avishek Gupta, Sohini Banerjee (April, 2025) “An Artificial Neural Network (ANN) Using Model Reference-based Adaptive Control (MARC)” Published in Tanz Journal, Vol- 20, Issue-4, ISSN NO: 1869-7720 - SCOPUS Indexed Journal. DOI :10.61350/TJ544012

3. Soumyendu Bhattacharjee, Bikash Banerjee and JiniaDatta. (December 2024),"Enhancing Ship roll stabilization : Design of Active fin stabilizers using Auto Tuned PID Controller. "Journal of Experimental and Applied Mechanics, Vol.15, Issue 3. ISSN-2278-8875.

4. Soumyendu Bhattacaharjee, DebrajModak, Chowdhury JaminurRahaman, Suchandana Roy (January, 2024) “Real Time Data Monitoring System Using ‘Mini Health Detector’” “Simulation Based ” Published in Journal of Basic Science, Vol- 24, Issue-1, ISSN NO: 1006-8341 - SCOPUS Indexed Journal. DOI :10.37896/JBSV24.1/2837

5. SoumyenduBhattacharjee, MadhabiGanguly, Goutam Kumar Das, JiniaDatta, BiswarupNeogi” (December, 2023) Analytical Study of ‘De Coupler’ and ‘Diagonal PID Controller’ for the Designing of MIMO System” published in American Journal of Advance Computing (Unpaid on line Journal).Vol- 2, Issue - 2ISSN Number– 2368-1209 and (Print) – 2691-5944. DOI:https://doi.org/10.15864/ajac.21025

6. SoumyenduBhattacharjee, MadhabiGanguly, Saptadipa Das, Devmalya Banerjee, JiniaDatta (November, 2023) “Use of Intelligent Control and Optimization in Microgrid System” Published in American Journal of Advance Computing (Unpaid on line Journal), Vol- 2, Issue - 1, ISSN Number– 2368-1209 and (Print) – 2691-5944. DOI:https://doi.org/10.15864/ajac.21025

7. SoumyenduBhattacaharjee, RajdipDey, JiniaDatta, BiswarupNeogi(October, 2023) "Sensitivity Analysis of Dense Cancer Cell Using 'Describing Function' and 'Allee Effect' Through Simulation" Published in Journal of Basic Science, Vol- 23, Issue-10, ISSN NO: 1006-8341 - SCOPUS Indexed Journal. DOI :10.37896/JBSV23.10/2625

8. SoumyenduBhattacharjee, MadhabiGanguly, Kamal Kr Ghosh, JiniaDatta, BiswarupNeogi(September, 2023) "An Implementation of 'KBM and SP Method' on "Ion-Acoustic Double Layers Plasma" Considering the Internal States of Electrons and Positrons", Published in Journal of Xidian University, Vol- 17, Issue - 9, ISSN NO: 1001-2400 SCOPUS Indexed Journal. DOI:10.37896/jxu17.9/090

9. SoumyenduBhattacharjee, Aishwarya Banerjee, SoumikBasu, Indranath Sarkar, BiswarupNeogi(May, 2022) "Nonlinear Analysis of Howland Current Source using Describing Function and Simulation" Published in AIP Conference Proceedings 2393, 020090 (2022); https://doi.org/10.1063/5.0074168

10. SoumyenduBhattacharjee,SourishSanyal, MadhabiGanguly, Aishwarya Banerjee, BiswarupNeogi(April, 2022), "Displacement Tracking of Uncertain Nonlinear Cardiovascular Muscle using Disturbance Observer Based Control". Accepted in International Journal of Modeling Identification and Control (IJMIC), Publishers: Inder-Science.DOI : 10.1504/ IJMIC.2022.10052816, Vol -41, No-4

11. SoumyenduBhattacharjee, Aishwarya Banerjee, Amit Rakshit, SwapanBhattacharyya,SwatiChowdhuri, Biswajit Sarkar and BiswarupNeogi(January, 2021), "Dynamics of Cardiovascular Muscle Using a Non-Linear Symmetric Oscillator", Published in MDPI Symmetry, ISSN-2073-8994.

12. SoumyenduBhattacharjee, Aishwarya Banerjee and BiswarupNeogi(December, 2019), "Nonlinear Control System Based Modeling of Cardiac Muscle Using Describing Function and Lyapnuov Stability." Published in International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-2.

13. SoumyenduBhattacharjee, Aishwarya Banerjee and BiswarupNeogi(June, 2019), "Control System Based Modeling and Simulation of Cardiac Muscle with Optimization Using Performance Index", Published in Journal of Mechanics of Continua and Mathematical Sciences, ISSN (Online): 2454 -7190 Vol.-14, No.-3, pp 245-262, ISSN (Print) 0973-8975.

14. SoumyenduBhattacharjee, Aishwarya Banerjee and BiswarupNeogi(May, 2019),"An Application of Pade Approximation and PID Tuning Technique to Improve the System Performance of Electric Ventricular Assist Device." Published in International Journal of Advanced Scientific Research & Management (IJASRM),ISSN- 2455-6378,Volume 4 Issue 5 , pp. 274 –280

15. SoumyenduBhattacharjee, Aishwarya Banerjee and BiswarupNeogi(May, 2019),"Modification of Howland Current Source using PID Controller for Electrical Stimulation Related with Human Cardiovascular System", Published in International Journal of Computational Engineering Research (IJCER), ISSN: 2250 – 3005,Volume 09, Issue 5.

16. SoumyenduBhattacharjee, Aishwarya Banerjee and BiswarupNeogi(April, 2019),"Study and Analysis of Electrocardiograms to Improve the Compression Factor and Entropy Using Linear Time-Invariant Models with Noise Filter", Published in International Journal for Research in Engineering &Management (IJREAM), ISSN -2454-9150, Vol-05, Issue-01.

17. SoumyenduBhattacharjee,Zinkar Das and BiswarupNeogi(December, 2015), "Design and simulation aspect towards modeling of automatic cardiovascular disorder diagnosis system"

Published in International Journal of Biomedical Engineering and Technology, ISSN :1752-6426, Vol-19, no. 4,pp- 303-315.

18. SoumyenduBhattacharjee,Aishwarya Banerjee, Sneha Das and BiswarupNeogi(October, 2014) ,"The Sensitivity Analysis and Settling time of Cardiovascular System With The Incorporation of Zigler-Nichols(Z-N) Rule" Published in International Journal pf Advanced Research in Electrical,Electronics and Instrumentation Engineering (IJAREEIE),ISSN-2278-8875,Vol.3,Issue 10.

19. SoumyenduBhattacharjee, Zinkar Das, Mainuck Das, and SanjoyKr.Chakraborty, Sukriti Bhatia, PraptiKumariandBiswarupNeogi(December, 2013)."Investigation on Study and Modeling Based Analytical Phenomenon of Cardiovascular System towards Heart Disease Detection."International Journal Of Advanced Scientific And Technical Research, Issue 3 volume 6, ISSN: 2249-9954.

20. SoumyenduBhattacharjee, ArghyadeepMazumder, Zinker Das and BiswarupNeogi. (October 2013),"Study on Cardiovascular Disease with Compression of Generalized ECG Signal to Support Biomedical Advancement. "IJAREEIE, Vol.2, Issue10. ISSN-2278-8875.

As a Second Author→

1. PrasenjitNayek, SuvenduKar ,SoumyenduBhattacharjee, SourishSanyal"A Real-Time Human Detection Approach Based on GMM Background Subtraction and YCbCr Skin

Filtering" Published in Journal of Basic Science . Vol – 25, Issue -5, Page : 212 -222, DOI:10.37896/JBSV25.5/3655

2. Moupali Roy, SoumyenduBhattacaharjee, BiswarupNeogi, PrabirSaha (June 2024) "Design and Development of an Implantable Circuit for adjusting required pressure inside the Respiratory System" Published in Microsystem Technologies, ISSN NO: 1432-1858, SCI Indexed Journal.,doi.org/10.1007/s00542-024-05694-z

3. DebrajModak, SoumyenduBhattacaharjee, Chowdhury JaminurRahaman (January 2024) "An Efficient Approach for Industrial Application and Data Monitoring using IoT" Published in Journal of Xidian University, Vol- 18, Issue - 1, ISSN NO: 1001-2400 SCOPUS Indexed Journal. Page No: 864 – 869 ,DOI:

4. Ananya Dutta, SoumyenduBhattacharjee, Dhriti Mukherjee, Pritish Kumar Ghosh (December, 2023) "Size Reduction of a Patch Type Frequency Selective Surface (FSS) : An Investigational Design."Published in Journal of Basic Science, Vol- 23, Issue-12, Page : 578-590, ISSN NO: 1006-8341 - SCOPUS Indexed Journal. DOI: 10.37896/JBSV23.12/2786

5. PayelChakroborty, SoumyenduBhattacharjee, Arijit Roy, JiniaDatta, K.K.Ghosh, BiswarupNeogi.(May ,2022) "Analytical Study of Series Solution for the NonLinear Mechanical System with Stability Analysis" Published in YMER Journal,Vol-21, Issue - 7, ISSN NO: 0044-0477.

6. Aishwarya Banerjee, SoumyenduBhattacharjeeand BiswarupNeogi.(June,2020) "Modeling of cardiovascular muscle dynamics and Comparative study based analysis through different optimization techniques", Journal of Interdisciplinary Cycle Research, ISSN NO: 0022-1945,pp- 1755-1761.

7. Aishwarya Banerjee, SoumyenduBhattacharjee and BiswarupNeogi.(June,2019),"An application of Z-N Tuning method with PID controller to optimize the system performance of cardiac muscle model and it's practical implementation using OPAMP." Published in Journal of Mechanics of Continua and Mathematical Sciences, ISSN (Online) : 2454 -7190 Vol.-14, No.-3

8. Aishwarya Banerjee, SoumyenduBhattacharjee and BiswarupNeogi.(June,2019),"Tuning of PID Controller Using Bode Plot Technique towards the Dynamics of Human Cardiac Muscle Considering Dead Time", International Journal of Advanced Scientific Research & Management (IJASRM), ISSN- 2455-6378 Volume 4 Issue 6.

9. Aishwarya Banerjee, SoumyenduBhattacharjee and BiswarupNeogi(June,2019), "Linear Control Theory Based Approach towards the Conversion Technique from a Higher order

plus dead time (HOPDT) model into a Lower order plus dead time (LOPDT) model using Compensator", ISSN : 2250 – 3005,Volume 09, Issue 6.

10. Aishwarya Banerjee, SoumyenduBhattacharjee and BiswarupNeogi (May,2019),"Nonlinear Viscoelastic Dynamic and Modeling of Electrically Stimulated Cardiac Muscles using Control Theory", Published in International Journal for Research in Engineering & Management(IJREAM), ISSN -2454-9150, Vol-05, Issue-02.

11. Paromita Das, SoumyenduBhattacharjee, BiswarupNeogi. (October,2018), "Accident Prevention by Detection of Drowsiness Using Heart Rate and Body Temperature Sensing." J.Mech.Cont.& Math.Sci.,Vol.-13,No-4,Pages208 216,ISSN0973-8975.

12. Barun Das, SoumyenduBhattacharjee, Aniruddha Ghosh, and BiswarupNeogi. (June,2013), "Soft Analysis of Discreet System Function Introducing Recursive Method." International Journal of Computer Applications 72, no. 14 ISSN: 0975-8887.

13. Swati Banerjee, SoumyenduBhattacharjee, Avishek Nag, Sreya Bhattacharyya, and BiswarupNeogi. (June, 2012)."Discrete Domain Analysis of Dexterous Hand Model by Simulation Aspect." Procedia Technology 4: 878-882.

As a Third / Fourth / Fifth Author / Fifth →

1. JiniaDatta, ShounakBandyopadhyay, SoumyenduBhattacharjee, BiswarupNeogi (September, 2023) "An Application of "Buck Converter" for the Designing of 'Input PF Corrector' in a Single-Phase AC / DC., Published in Journal of Xidian University, Vol-17, Issue -9, Page No- 767-775, ISSN NO:1001-2400 SCOPUS Indexed Journal

Link :Doi.org/10.37896/jxu17.9/069

2 Sagnik Dutta, JiniaDatta, SoumyenduBhattacharjee,Goutam Kr. Das, BiswarupNeogi (September, 2023) "Technological Use of Artificial Neural Network (ANN) for Fault Location and Fault Detection of DC Microgrid System" Published in YMER Journal, Vol- 22, Issue-9, ISSN NO: 0044-0477 - SCOPUS Indexed Journal. 10.37896/YMER22.09/27

3 Susmita Das, Ayan Chakraborty, Jayanta Kumar Ray, SoumyenduBhattacharjee, and BiswarupNeogi.(2012)"study on different tuning approach with incorporation of simulation aspect for ZN (Ziegler-Nichols) rules." International journal of scientific and Research Publications 2, no. 8: 1-5, ISSN: 2250-3153.

4 Sayanti Chattopadhyay, Susmita Das, Avishek Nag, Jayanta Kumar Ray, SoumyenduBhattacharjee, and BiswarupNeogi. (2012) "Design and Simulation Approach Introduced to ECG Peak Detection with study on different cardiovascular

Diseases. " International Journal of Scientific and Research Publications 2, no. 12: 1-7, ISSN: 2250-315.

5 Avishek Gupta, Sohini Banerjee, SoumyenduBhattacharjee (July 2023) “Design and Implementation of Car Parking Monitoring Come Management System Powered by IoT”, Published in YMER journal. ISSN: 0044- 0477.

6 SukhenduBikash Banerjee, SuvenduKar, SouravMitra, SoumyenduBhattacharjee(January 2024) “An Investigation of Parametric Study towards the Sand Drain Based Examination of Ground through Simulation” Published in Published in Journal of Basic Science, Vol- 24, Issue-1,Page -471-478, ISSN NO: 1006-8341 -, SCOPUS Indexed Journal.

7 SuvenduKar, SukhenduBikash Banerjee, Saptadipa Bhattacharyya, SoumyenduBhattacharjee(January 2024) “An investigational Study into the Problems and Opportunities for Managing ‘Plastic Garbage’ in INDIA: Some Beneficial Solutions” Published in Published in Journal of Xidian University, Vol- 18, Issue - 1, Page No- 870 – 877, ISSN NO: 1001-2400,SCOPUSIndexed Journal.

8 Supratim Chakraborty, RaktimKoner, ArkaRajak, Aniket Roy, SoumyenduBhattacharjee, Moumita Pal, BiswarupNeogi(October 2023) “Study of “Examination System” Introducing IP Based Robo Invigilator Technique” Published in Journal of Basic Science, Vol- 23, Issue-10, ISSN NO: 1006-8341 - SCOPUS Indexed Journal.10.37896/JBSV23.10/2625

9 SuvenduKar, Sumit Kumar Banerjee, Saptadipa Bhattacharyya, Himanish De, SoumyenduBhattacharjee(June 2024) “A Study of Fundamental Time Period of Regular Framed Structure Towards Flat Ground” Published in YMER Journal, Vol- 23, Issue-6, ISSN NO: 0044-0477 - SCOPUS Indexed Journal. Doi : 10.37896/YMER23.06/02

10 Sumit Kumar Banerjee, SuvenduKar, Himanish De, SoumyenduBhattacharjee (June 2024) “Nonlinear Dynamical Friction Analysis og ‘ Gravel Bed Rivers’ under No-Load Condition through Simulation” Published in Journal of Basic Science, Vol- 24, Issue-6 , ISSN NO: 1006-8341 -, SCOPUS Indexed Journal. DOI 10.37896/JBSV24.6/3186

Conferences

1. SoumyenduBhattacharjee, TanmoySingha, Aishwarya Banerjee and Arijit Roy (April, 2019),“An Approach Towards the Discrete Domain Analysis of Random Non-Deterministic Signal By Using Recursive Method and Stochastic Control” ,UEMCOS

2. SoumyenduBhattacharjee, Zinkar Das, Abesh Kr Das, Sayanti Roy, and BiswarupNeogi. (January,2014), "An approach towards error less ECG signal equation based on computational

simulation aspect with modeling of cardiovascular disorder diagnosis." In Control, Instrumentation, Energy and Communication (CIEC), International Conference on, pp. 181-185. IEEE XPLORE- 2014, Scopus (Elsevier)

3. SoumyenduBhattacharjee and Dr. BiswarupNeogi(26th-27thSeptember),"Control System Based Modeling of Cardiac Fiber and Simulation.", International Conference on Frontiers in Engineering, Management and Applied Science (FEMAS-2019)

4. Aishwarya Banerjee, SoumyenduBhattacharjee and Dr. BiswarupNeogi(26th-27thSeptember), "Process Control Modeling from the Response Characteristics of Howland Current Source used for Electrical Stimulation" International Conference on Frontiers in Engineering, Management and Applied Science (FEMAS-2019)

5. SoumyenduBhattacharjee, Payel Chakraborty, SwetaTripathi, Dr. BiswarupNeogi "An application of Genetic Algorithm for Error Minimization of PID Controller" AICTE Sponsored International Conference on Communication, Computing and Microwave Technology (CCNMT-2022).

6. SoumyenduBhattacharjee, ShounakBandyopadhyay, N. Sinha, Aishwarya Banerjee ,Moumita Pal, Dr. BiswarupNeogi ,Mikhail S. Nikitenko (15th December, 2022), " Experimental Investigation of Inductor Topologies : A Modification of Triangular Model" , AS'2022 – Autonomous Systems(In Education, Science and Industry) , Russia, Novokuznetsk, Siberian State Industrial University.

7. SoumyenduBhattacharjee, Payel Chakraborty, M Roy, Aishwarya Banerjee , Moumita Pal, Mikhail S. Nikitenko Dr. BiswarupNeogi, (16th December, 2022), "Analytical Solution of
'Nonlinearly Coupled Electromechanical Model Equations' of Human Cardiovascular Muscle" , AS'2022 – Autonomous Systems(In Education, Science and Industry) , Russia, Novokuznetsk, Siberian State Industrial University.

8. Pritam Chakraborty , SoumyenduBhattacharjee, P. Misra, Moumita Paul, Dr. BiswarupNeogi , Mikhail S. Nikitenko, Achinta Das(16th December, 2022) " an IOT Based Platform for Upper Limb Rehabilitative Service" AS'2022 – Autonomous Systems(In Education, Science and Industry) , Russia, Novokuznetsk, Siberian State Industrial University.

9. MadhabiGanguly, Rupam Das, SoumyenduBhattacharjee (19 - 20 Jnuary,2023) “Design & Analysis of an Arduino based Heart rate monitoring system using photoplethysmography (PPG) sensors with MATLAB signal processing and IoT applications” – Article No – ICMSME23-122.

10. SoumyenduBhattacharjee, Aishwarya Banerjee, Shreya Ghosal, ShubhodeepNandy, RajdipDey, Kamal Kumar Ghosh (April 2023) “Theoretical Study of KBM &SP Method on IALDs in Plasma Consdering Electron and Positron.” FOSET Conference (April,2023)

11. Sourajit Ghosh, ArkaRajak, SoumyenduBhattacharjee, Dharampal Singh, BiswarupNeogi “A Framework for Students' Motivation, Regulation and Strategies based on Data Analysis.” Name of the Conference: International Conference on Integrative Science and Engineering (ICISE) 28th September 2023 to 30th September 2023

12. Shayan Ghosh, KamolikaRajak, Souvik Paul, SoumyenduBhattacharjee, (12th May 2024) “Smart Application of Chip based Biosensor for the Detection of Some Critical Disease” Name of the Conference: “14th Inter University Engineering, Science & Technology Academic Meet 2024 & Innovative Model Competition for a Sustainable Society” Organized by Forum of Scientist, Engineers &Technologist (FOSET).

13. Subhom Ghosh, SoumojitBarui, AtanuKoley, SoumyenduBhattacharjee(12th May 2024) “Complex Dynamical Sliding Mode Control Analogy- Removal of Chaos.” Name of the Conference: “14th Inter University Engineering, Science & Technology Academic Meet 2024 & Innovative Model Competition for a Sustainable Society” Organized by Forum of Scientist, Engineers &Technologist (FOSET).

14. SoumyenduBhattacharjee, Reshmi Chandra, JiniaDatta “Analysis of Inductor Topologies Experimentally: A modification of Triangular Model” – Submitted in International Conference on Advance Innovation and Engineering.

15. SoumyenduBhattacharjee, DebabrataMazumdar, ShounakBandyppadhyay “Comparative Performance Analysis of Novel Hybrid Sustainable PV MPPT Architechture” – Submitted in International Conference on Advance Innovation and Engineering.

xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.): 04

1. Published a book entitled “ENTERPRENEURSHIP”, JEC Publication. – Dr.SoumyenduBhattacharjee. (As a Third Author). ISBN: 9789357498364

2. Published a book entitled “ELECTRONIC DEVICES and CIRCUITS”, Jec Publication. – Dr.SoumyenduBhattacharjee. (As a Second Author). ISBN: 789358502527.

3. Published a book entitled “FUNDAMENTAL of ELECTRICAL & ELECTRONICS ENGINEERING”, NabaPrakashani. – Dr.SoumyenduBhattacharjee. (As a First Author). ISBN: Awaited.

4. Published a book entitled “PROBLEM SOLVING AND CREATIVE THINING”, JSR Publication. – Dr.SoumyenduBhattacharjee. (As a First Author). ISBN: 9789362262721

18.9 Fee

i. Number of seats sanctioned with the year: 360 (Year-2014)
ii. Number of scholarship offered by the Institution, duration and amount:

No. of Scholarships: 03
Duration: 3 Years
Amount: As per the rules of the Scholarship

18.10 Admission

i. Number of seats sanctioned with the year of approval: Seats 360, Year 2014
ii. Number of Students admitted under various categories each year in the last three years:

Academic Year	General	General (EWS)	SC	ST	OBC	Total
2024-25	103	0	40	03	30	176
2023-24	192	0	27	03	22	244
2022-23	133	0	31	01	26	191

iii. Number of applications received during last year for admission under Management Quota and number admitted: 90 (Ninety Number of Students)

DME-30, DCE-30, DCSE-15, DEE-15

18.11 Admission Procedure

i. Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website): JEXPO/VOCLET (https://webscte.co.in/)

iii. Calendar for admission against Management quota seats: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

iv. Last date of request for applications: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

v. Last date of submission of applications: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

vi. Dates for announcing final results: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

vii. Release of admission list (main list and waiting list shall be announced on the same day): As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

viii. Date for acceptance by the candidate (time given shall in no case be less than 15 days): As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

ix. Last date for closing of admission & Starting of the Academic session: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

x. The waiting list shall be activated only on the expiry of date of main list: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

xi. The policy of refund of the Fee, in case of withdrawal, shall be clearly notified: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

18.12 Criteria and Weightages for Admission

i. Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

ii. Mention the minimum Level of acceptance, if any: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

iii. Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years: As per the norms of West Bengal State Council of Technical & Vocational Education and Skill Development

18.14 Results of Admission under Management seats/Vacant seats

i. Composition of selection team for admission under Management Quota:

a. Dr. Soumyendu Bhattacharjee (Principal, RIST)
b. Mr. Santanu Sadhukhan (Teacher In Charge, RIST)
c. Mr. Prasenjit Dey (HOD, BSH)
d. Mr. Sourav Patra (HOD, DME)
e. Mr. Avijit Dutta (HOD, DCE)
f. Mr. Kallol Singha (HOD, DEE)
g. Mrs. Mayuri Chakrabarty (HOD, DCSE)

ii. List of candidates who have been offered admission:
iii. Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate:

18.15 Information of Infrastructure and Other Resources Available

i. Number of Class Rooms and size of each:
ii. Number of Tutorial rooms and size of each:
iii. Number of Laboratories and size of each:

Sr.	Programme	ENGINEERING AND TECHNOLOGY	Level	Diploma
No.				
1	Room Type	Classroom	Room ID/ Name	002
	Area of Room in Sqm	70	Building Name	Main
	Building Number	001	Readiness of Flooring	Ready
	ReadinessofWalland Painting	Ready	Readiness of Electrificationa nd Lighting	Ready
	Readiness of furniture/fixtures	Ready	Air Conditioning	Planned
Sr. No.	Programme	ENGINEERING AND TECHNOLOGY	Level	Diploma
2	Room Type	Classroom	Room ID/ Name	003
	Area of Room in Sqm	66	Building Name	Main
	Building Number	001	Readiness of Flooring	Ready
	ReadinessofWalland Painting	Ready	Readiness of Electrificationa nd Lighting	Ready
	Readiness of furniture/fixtures	Ready	Air Conditioning	Planned
Sr. No.	Programme	ENGINEERING AND TECHNOLOGY	Level	Diploma
3	Room Type	Laboratory	Room ID/ Name	004
	Area of Room in Sqm	66	Building Name	Main
	Building Number	001	Readiness of Flooring	Ready
	ReadinessofWalland Painting	Ready	Readiness of Electrificationa nd Lighting	Ready
	Readiness of furniture/fixtures	Ready	Air Conditioning	Planned
Sr. No.	Programme	ENGINEERING AND TECHNOLOGY	Level	Diploma
4	Room Type	Laboratory	Room ID/ Name	005
	Area of Room in Sqm	66	Building Name	Main
	Building Number	001	Readiness of Flooring	Ready
	ReadinessofWalland Painting	Ready	Readiness of Electrificationa nd Lighting	Ready
	Readiness of furniture/fixtures	Ready	Air Conditioning	Planned
Sr. No.	Programme	ENGINEERING AND TECHNOLOGY	Level	Diploma
5	Room Type	Workshop	Room ID/ Name	007
	Area of Room in Sqm	80	Building Name	Main
	Building Number	001	Readiness of Flooring	Ready
	ReadinessofWalland Painting	Ready	Readiness of Electrification and Lighting	Ready
	Readiness of furniture/fixtures	Ready	Air Conditioning	Planned
Sr. No.	Programme	ENGINEERING AND TECHNOLOGY	Level	Diploma
6	Room Type	Laboratory	Room ID/ Name	008
	Area of Room in Sqm	66	Building Name	Main
	Building Number	001	Readiness of Flooring	Ready
	ReadinessofWalland Painting	Ready	Readiness of Electrification and Lighting	Ready
	Readiness of furniture/fixtures	Ready	Air Conditioning	Planned
Sr.	Programme	ENGINEERING AND TECHNOLOGY	Level	Diploma

No.				
7	**Room Type**	Laboratory	**Room ID/ Name**	009
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready

	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
8	**Room Type**	Laboratory	**Room ID/ Name**	010
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
9	**Room Type**	Workshop	**Room ID/ Name**	011
	Area of Room in Sqm	131	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
10	**Room Type**	Classroom	**Room ID/ Name**	012
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	Readiness of Wall and Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
11	**Room Type**	Classroom	**Room ID/ Name**	013
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
12	**Room Type**	Classroom	**Room ID/ Name**	014
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma

No.				
13	**Room Type**	Classroom	**Room ID/ Name**	015
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	Readiness of Wall and Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
14	**Room Type**	Laboratory	**Room ID/ Name**	016
	Area of Room in Sqm	202.35	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
15	**Room Type**	Laboratory	**Room ID/ Name**	017
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
16	**Room Type**	Laboratory	**Room ID/ Name**	018
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
17	**Room Type**	Laboratory	**Room ID/ Name**	019
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
18	**Room Type**	Laboratory	**Room ID/ Name**	020
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned

Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
19	**Room Type**	Laboratory	**Room ID/ Name**	020A
	Area of Room in Sqm	200	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
20	**Room Type**	Laboratory	**Room ID/ Name**	020B
	Area of Room in Sqm	200	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
21	**Room Type**	Laboratory	**Room ID/ Name**	020C
	Area of Room in Sqm	200	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
22	**Room Type**	Laboratory	**Room ID/ Name**	102
	Area of Room in Sqm	70	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
23	**Room Type**	Tutorial Room	**Room ID/ Name**	105
	Area of Room in Sqm	35	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
24	**Room Type**	CAD Center	**Room ID/ Name**	107
	Area of Room in Sqm	132	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned

Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
25	**Room Type**	Classroom	**Room ID/ Name**	108
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
26	**Room Type**	Seminar Hall	**Room ID/ Name**	111
	Area of Room in Sqm	134.9	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready

	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
27	**Room Type**	Classroom	**Room ID/ Name**	112
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
28	**Room Type**	Laboratory	**Room ID/ Name**	114
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
29	**Room Type**	Laboratory	**Room ID/ Name**	115
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
30	**Room Type**	Laboratory	**Room ID/ Name**	116
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready

	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
31	**Room Type**	Tutorial Room	**Room ID/ Name**	118
	Area of Room in Sqm	35.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
32	**Room Type**	Tutorial Room	**Room ID/ Name**	119
	Area of Room in Sqm	33	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma

No.				
33	**Room Type**	Tutorial Room	**Room ID/ Name**	120
	Area of Room in Sqm	33	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
34	**Room Type**	Laboratory	**Room ID/ Name**	121
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
35	**Room Type**	Laboratory	**Room ID/ Name**	122
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
36	**Room Type**	Laboratory	**Room ID/ Name**	123
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready

	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
37	**Room Type**	Classroom	**Room ID/ Name**	208
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
38	**Room Type**	Classroom	**Room ID/ Name**	209
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
39	**Room Type**	Classroom	**Room ID/ Name**	210
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready

	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
40	**Room Type**	Laboratory	**Room ID/ Name**	211
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
41	**Room Type**	Classroom	**Room ID/ Name**	212
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
42	**Room Type**	Classroom	**Room ID/ Name**	213
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned

Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
43	**Room Type**	Laboratory	**Room ID/ Name**	214
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
44	**Room Type**	Laboratory	**Room ID/ Name**	215
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrificationa nd Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
45	**Room Type**	Classroom	**Room ID/ Name**	216
	Area of Room in Sqm	67.45	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
46	**Room Type**	Laboratory	**Room ID/ Name**	217
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
47	**Room Type**	Laboratory	**Room ID/ Name**	218
	Area of Room in Sqm	66	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrificationa nd Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Planned
Sr. No.	**Programme**	ENGINEERING AND TECHNOLOGY	**Level**	Diploma
48	**Room Type**	Additional Workshop	**Room ID/ Name**	301
	Area of Room in Sqm	202	**Building Name**	Main
	Building Number	001	**Readiness of Flooring**	Ready
	ReadinessofWalland Painting	Ready	**Readiness of Electrification and Lighting**	Ready
	Readiness of furniture/fixtures	Ready	**Air Conditioning**	Not Available

iv. Number of Computer Centres with capacity of each: 01 with 30 Computers
v. Central Examination Facility, Number of rooms and capacity of each:
i. No. of Rooms:17 ii. Student Capacity: 730 (Total)
vi. Online examination facility (Number of Nodes, Internet band width, etc.): NO
vii. Barrier Free Built Environment for disabled and elderly persons: YES
viii. Fire and Safety Certificate: YES
ix. Hostel Facilities: NO
x. Number of Library books/eBooks/Titles/Journals available (Programme-wise): 17
xi. List of online National/International Journals subscribed: 10
xii. National Digital Library(NDL) Subscription: INWBNCVZKIVTB20

i. Dr. Soumyendu Bhattacharjee (Patron)
ii. Mayuri Chakraborty (President)
iii. Sourav Patra (Secretary)
iv. Minhaj Uddin Mallick (Executive Member)

xiii. List of Major Equipment/Facilities in each Laboratory/Workshop:

LABWISE EQUIPMENT DETAILS OF DCE

SL NO	EQUIPMENT NAME
1	COARSE AGGREGATE
2	LIME
3	1st CLASS BRICK , 2ND CLASS BRICK, 3rd CLASS BRICK
4	VARIOUS TYPES OF FLOORING TILES AND PAVING BLOCK
5	TERMITE CHEMICAL
6	PAINT BRASS AND ROLLER
7	CEMENT , SAND
8	TROWEL
9	COARSE AGGREGATE SIEVE

SI NO	EQUIPMENT NAME
1	90 MICRON IS SIEVE
2	VICATE'S APPARATUS WITH PLUNGER, NEEDLE -C , AND NEEDLE-F.
3	CTM (COMPRESIVE TESTING MACHINE).
4	GLASS JAR
5	PYCNOMETER
6	FINE AGGREGATE AND COARSE AGGREGATE SIEVE
7	SLUMP CONE
8	COMPACTING FACTORS APPARATUS
9	REBOUND HAMER

SI NO	EQUIPMENT NAME
1	FLAKINESS AND ELONGATION INDEX GAUGE

2	IMPACT TESTING MACHINE
3	LOS ANGLES ABRASION TESTING MACHINE
4	AGGREGATE CRUSHING VALUE TEST APPARATUS
5	SOFTENING POINT TEST APPARATUS
6	FIRE AND FLASH POINT APPARATUS
7	DUCTILITY TEST APPARATUS

SI NO	EQUIPMENT NAME
1	CTM (COMPRESSIVE STRENGTH TESTING MACHINE)

SI NO	EQUIPMENT NAME
1	METALIC CHAIN
2	PRISMATIC COMPASS
3	AUTO LEVEL
4	PLANE TABLE, ALIDADE, U FORK, PLUMB BOB, TRIPOD
5	GLASS TAPE
6	RANGING ROD
7	CROSS STAFF
8	LEVEL GAUGE
9	WOODEN PEG
10	MALLET

SI NO	EQUIPMENT NAME
1	PIEZOMETER
2	U TUBE DIFFERENTIAL MANOMETER
3	VENTURIMETER
4	ORIFICEMETER
5	TRIANGULAR NOTCH
6	RECTANGULAR NOTCH
7	CENTRIFUGAL PUMP MODEL

SI NO	EQUIPMENT NAME
1	THERMOSTATICALLY CONTROLLED OVEN
2	PYCNOMETER
3	CORE CUTTER APPARATUS
4	SAND REPLACEMENT TEST APPARATUS
5	CASAGRANDE TEST APPARATUS & PLASTIC LIMIT TEST APPARATUS WITH GROOVING TOOL
6	DIRECT SHEAR TEST APPARATUS
7	PROCTOR TEST APPARATUS

SI NO	EQUIPMENT NAME
1	THEODOLITE
2	RANGING ROD, CHAIN, TAPE, PEG

LABWISE EQIUPTMENT DETAILS DME

Department:Mechanical Engineering

Lab:THERMAL ENGINEERING

SL NO	EQUIPMENT NAME
1	STEAM ENGINE WITH ELECTRIC HEATER
2	SPRING LOADED SAFETY VALVE
3	SUPER HEATER MODEL
4	WATEWR GAUGE MODEL
5	BLOW OF COCK
6	DEAD WEIGHT SAFETY VALVE
7	STOP VALVE HOPKINSON TYPE
8	PRESSURE GAUGE
9	BOILER MOUNTINGS & ACCESSORIES
10	VERTICAL WATER TUBE BOILER MODEL
11	STEAM ENGINE & SLIDE VALVE
12	SOLAR WATER HEATING SYSTEM COLLECTOR BASE

Lab:Automobile Engineering

SL NO	EQUIPMENT NAME
1	An Automobile engine of Hindustan Motors (Full Set Up)
2	A Gear Box
3	Differential unit
4	Clutch unit
5	Steering
6	Leaf Spring
7	Propeller Shaft

8	Front Axle System
9	Radiation block (Without water container)
10	Braking system (Mounted with Rear Axle)
11	Carburettor
12	CNG Kit
13	21 in 1 Screw driver set
14	Hackshaw (Small)
15	Hackshaw Blade (Junior)
16	Ring Spanner Set (17/18) (6/7) (8/9)
17	Oil Can
18	Hex key wrench set up (small)
19	Allen Key (21mm, 10mm)
20	Allen Key Handle
21	Knife (Small)
22	Scissor
23	Screw Driver
24	Turn Buckle (SSB-4010 CPV)
25	Pipe Wrench (Big)
26	Piston Ring Compressor
27	Hammer
28	Pliers (3 Types)
29	Adjustable Spanner
30	Double Open End Spanner (22/20) (16/17) (10/11) (8/9) (10/10) (12/12)

Department:Mechanical Engineering

Lab:Materials Testing

SL NO	EQUIPMENT NAME
1	**Brinell Hardness Tester**
2	**Rockwell Hardness Tester**

Department:Mechanical Engineering

Lab:Manufacturing Processes

SL NO	EQUIPMENT NAME	
1	HEAVY DUTY, CONE PULLY TYPE SHAPING MACHINE	
2	HEAVY DUTY PRECISION GEAR HEAD UNIVERSAL MILLING MACHINE	
3	VERTICAL ATACHMENT	
4	5.1/2 " CENTRE DIVIDING HEAD	
5	HEAVY DUTY PRECISION GEAR HEAD CAPSTAN LATHE MACHINE	
6	12 " DIA 4-JAW INDEPENDENCE CHUCK	
7	ALL GEAR CENTRE LATHE MACHINE	
8	BACK GEAR LATHE MACHINE	
9	PILLER DRILL MACHINE(20MM DIA)	
10	PILLER DRILL MACHINE (10MM DIA)	
11	GRINDING MACHINE(1 HP)	
12	GRINDING MACHINE(1 HP)	
13	POWER SAW MACHINE	
14	WELDINING MACHINE(WS-200)	
15	HAND GRINDER MACHINE	
16	WEIGHT MACHINE (200KG)	
17	INDUSTRIAL BLOWER MACHINE	
18	Combination Spanners	10,12
19	Combination Spanners	8,9,10,11,12,13,14,17,19

20	Adjustable Spanner	6 inch
21	Adjustable Spanner	8 inch
22	Adjustable Spanner	10 inch
23	Adjustable Spanner	12 inch
24	Adjustable Spanner	8 inch
25	Ring Spanner	(6*7,8*9,10*11,12*13,14*15,16*17,18*19,20*22)mm
26	Ring Spanner	16*17mm
27	Ring Spanner	12*13mm
28	Ring Spanner	8*9 mm
29	Ring Spanner	20*22 mm
30	Ring Spanner	6*7 mm
31	Ring Spanner	10*11 mm
32	Double Ended Open Spanner	(6*7,8*9,10*11,12*13,14*15,16*17,18*19,20*22)mm
33	Double Ended Open Spanner	18*19 mm
34	Double Ended Open Spanner	20*22 mm
35	Double Ended Open Spanner	28*29 mm
36	Double Ended Open Spanner	7*16 mm
37	Double Ended Open Spanner	7*16 mm
38	Double Ended Open Spanner	10*11 mm
39	Double Ended Open Spanner	18*19 mm
40	Double Ended Open Spanner	16*17 mm
41	"C" Clamp	4 inch
42	"C" Clamp	3 inch
43	"C" Clamp	2 inch
44	Bent Nose Pliers	175mm

45	Nose Plier	165mm
46	Combination Plier with Joint Cutter	210mm
47	Combination Plier with Joint Cutter	165 mm
48	Adjustable Pipe Wrench Single Sided Pipe Wrench	14 inch/350mm
49	Tong	
50	Pincher with Nail Puller	8 inch
51	Pincher with Nail Puller	8 inch
52	Metal Cutter	6 inch
53	Wire Cutter (Cutting Soft Material)	10 inch
54	Flat head Screw Driver	6*1.2
55	Flat head Screw Driver	8*0.8
56	Flat head Screw Driver	6*0.6
57	Flat head Screw Driver	6*0.7
58	Flat head Screw Driver	8*1.2
59	Flat head Screw Driver	12 inch
60	Flat head Screw Driver	5*150
61	Flat head Screw Driver	6*0.5
62	Flat head Screw Driver	145 mm
63	Allen Key Set	1.5,2,2.5,3,4,5,6,8,10
64	Allen Key	32
65	Allen Key	16
66	Allen Key	12
67	Allen Key	10
70	Lathe Carrier	30mm
71	Starrett 568B Clamp	

72	Oil Can	250ml
73	Hand Riverter	2.4,3.2,4.0,4.8 mm 3/32',1/8',5/32'3/16'
74	Glue Gun	
75	Glue Slick	
76	PVC Pipe Cutter	Upto 42mm
77	Small Hacksaw	
78	Degital Wewight Machine	Up to 50 kg
79	Cup Wire Brash	3 inch/ 75mm
80	Steel Rule	12 inch
81	Drill Chank Key	
82	Drill Chank Key	
83	Drill Chank Key	
84	WD - 40	420 ml
85	Label Scale	12"
86	Label Scale	4"
87	Angle Handle For Socket Wrench	450 mm
88	Tee Handle For Socket Wrench	150 mm
89	Divider Spring Caliper	(5")
90	Odd Leg Firm Joint Caliper	(6")
91	Inside Spring Caliper	(6")
92	Outside Spring Caliper	(7")
93	Adjustable Tap Wrench(without drive) mild steel	(3/8")
94	Ball- Peen Hammer	1 lbs
95	Ball- Peen Hammer	0.5 lbs
96	Ball- Peen Hammer	0.25lbs

97	claw- Peen Hammer	0.25lbs
98	Power Saw	(14"*1"*18Gx10T)
99	Claw Hammer with Metal Handle	1 lbs
100	Power Saw	(14"*1"*18Gx10T)
101	Tri Square	6"
102	Tri Square	10"
103	Tri Square	12"
104	Tap & Die set	(NC & NF,NPT)
105	Flat File (Fine)	12"
106	Flat File (Rough)	12"
107	Half Round File (Fine)	10"
108	Half Round File (Rough)	12"
109	Round File	3.5", φ 6mm
110	Flat File(Fine)	6"
111	Awl	3",φ 5mm
112	Traingular File	5"
113	Traingular File	6"
114	Traingular File	2.5"
115	Traingular Corner File	6"
116	Square File	9"
117	Vintage Knife	5mm
118	Round File	7mm
119	Drill Bit	3/8
120	Drill Bit	10mm
121	Drill Bit	9mm

122	Drill Bit	8mm
123	Drill Bit	7mm
124	Drill Bit	6mm
125	Drill Bit	5mm
126	Tap (Rough)	12mm
127	Tap (Intermediate)	12mm
128	Tap(Fine)	12mm
129	Tap Dies	(10*1.5 HSS)
130	Tap Dies	6*1mm
131	Scriber	170mm
132	Scriber	180mm
133	Bent Edged Machinist Scriber	175mm
134	Die & Die Nuts	(10*1.5mm)
135	Round Shaped	M10
136	Rectangular Shaped	D4 M10
137	Rectangular Shaped	M6
138	Tap & Die set	(NC, NF NPT)
139	Tap & Die set (Carbon Steel)	(M3X0.6), (M7X1), (M3X0.5), (M7X0.75)
140	Hacksaw(Flame with Blade)-not usable	
141	Hacksaw(without Handle)-not usable	
142	Hacksaw(with Handle)-not usable	
143	Tongue	12"
144	Tig Nozzle	
145	Axe	
146	Bench Vice	6 No

147	Bench Vice	3 No
148	Bench Vice(not usable)	4 No
149	Brush	
150	Set of Taps(2 Box)	(1/4)"
151	Set of Taps(2 Box)	(5/16)"
152	Set of Taps(2 Box)	(3/8)"
153	Set of Taps(2 Box)	(7/16)"
154	Set of Taps(2 Box)	(1/2)"
155	Set of Dies(2 Box)	(1/4)"
156	Set of Dies(2 Box)	(5/16)"
157	Set of Dies(2 Box)	(3/8)"
158	Set of Dies(2 Box)	(7/16)"
159	Set of Dies(2 Box)	(1/2)"
160	Tap Handle(2 Box)	
161	Round Die Handle	
162	Gas pipe (Blue colour) not usable	10 metre
163	Gas pipe (Red colour not usable)	11 metre
164	Gas pipe (Orange colour not usable)	10 metre
165	Dot punch	
166	Squre punch	
167	Line punch	
168	Number punch	
169	3/16' Letter punch	
170	Round punch	
171	Wood Chisel	4"

172	Wood Chisel	4.5"
173	Wood Chisel	5.5"
174	Tenon saw(usable)	12"
175	Plastic Handle(cross cut hand saw)	16"
176	Wooden Handle(cross cut hand saw	16"

LABWISE EQIUPTMENT DETAILS DEE

Laboratory Name	SNo.	Name of the Experiment	Name of the instrument	Quantity
Power Electronics Converters & Applications Lab	1	Test the proper functioning of power electronics switches - SCR , IGBT, SCS , and TRIAC	Kit	1
	2	Test the proper functioning of DIAC to determine the breakover voltage	Kit	1
	3	Determine the latching current and holding current using V-I characteristics of SCR.	Kit	1
	4	Test the variation of R,C in R and RC triggering circuits on firingangle of SCR	Kit	1
	5	Test the effect of variation of R,C in UJT triggering technique.	Kit	1
	6	Perform the operation of Class A,B,C turn off circuits .	Trainner Kit	1
	7	Perform the operation of Class D,E,F turn off circuits.	Trainner Kit	1
	8	Use CRO to observe the output waveform of halfwave-controlled rectifier with resistive load and determine the load voltage.	Trainner Kit, CRO	1
	9	Use CRO to observe the output waveform of Fullwave-controled rectifier with R load,RL load,free wheeling diode and determine the load voltage.	Trainner Kit, CRO	1
	10	Perform speed control of DC series / DC separately excited motor using SCR.	DC Motor Control Set up	1

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
	2	Demonstrate the improvement of p.f.using static condenser.	Kit	1

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity

Induction Synchronous and Special Electrical Machines	1	Perform the direct load test on the three phase squirrel cage induction motor and plot the i) efficiency versus output, ii) power factor versus output, iii) power factor versus motor current and iv) torque slip/speed characteristicsefficiencyversusoutput,v)powerfactorversusoutput,vi)powerfactorversusmotorcurrent and vii)torque slip/speed characteristics	Kit	1
	2	Conduct the No-load and Blocked-rotor tests on given 3-phase squirrel cage induction motor and determine the equivalent circuit parameters.	Kit	1
	3	Control the speed of the given three phase squirrel cage induction motor using the applicable methods : i)auto-transformer, ii)VVVF.	Kit	1
	4	Measure the open circuit voltage ratio of the three-phase slip ring induction motor and perform the speed control by insertion of resistance in rotor circuit for slip ring induction motor.	Kit	1
	5	Conduct the test on load or no load to V curvs and inverted V curves at no load on three phase synchronous motor	Kit	1
	6	Conduct the direct load test to determine the efficiency and speed regulation for different loads on the given single phase induction motor; plot the efficiency and speed regulation curves with respect to the output power.	Kit	1
	7	Perform the direct loading test on the given three phase alternator and determine the regulation and efficiency.	Kit	1

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
Renewble Energy Power Plant laborartory	1	Perform experiment to plot I-V characteristics of photovoltaic cell module and find out the solar cell parameters (O.C. voltage, Short circuit current, Voltage-current-power at Maximum Power point, Fill factor ,Efficiency).	kit	1

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
Switchgear and Protection Lab	1	Testing of Induction type /Microprocessor Based Over Current relay using RelayTesting Kit to plot the inverse characteristics		1
	3	Testing of static Over current protection relay using RelayTesting Kit.		1
	4	Testing of Directional Over Current Relay (DOCR) by RelayTesting Kit.		1

5th sem

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity

	1	Test wiring insulation using megger.		2
	2	Measure earth resistance using earth megger		1
	3	Measurement of three phase energy using static energy meter which can show maximum demand, reactive power, TOD in addition to active power.		1
	4	Measurement of energy using CT or CT and PT.		

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity

6 TH SEM

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
	2	Perform insulation resistance test on any one motor / transformer.		
	5	Find regulation and efficiency of single-phase transformer using back-to-back connection method.	KIT	
	6	Determine efficiency of D.C. motor by direct loading or by electrical loading.	KIT	
	7	Determine efficiency of D.C. machine by Hopkinson's test.		

3RD SEM

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
INTRODUCTION TO ELECTRIC GENERATION SYSTEMS LABORATORY	1	Identify the routine maintenance parts of the coal fired thermal power plant after watching a video programme		
	2	Identify the routine maintenance parts of the gas fired thermal power plant after watching a video programme		
	3	Identify the routine maintenance parts of the diesel generator power plant after watching a video programme		
	4	Identify the routine maintenance parts of the nuclear fired thermal power plant after watching a video programme		
	5	Identify the routine maintenance parts of the large hydro power plant after watching a video programme		
	6	Study on the different types of Boiler used in coal based thermal power plant		
	7	Study on different types of Nuclear Reactor used in nuclear power plant		
	8	Study on different types of Water Turbines used in large hydro power plant		

	9	Draw Load Curve, Load Duration Curve and Mass curve of your institute		
	10	Calculate the total energy cost in a (i) Residential (ii) Commercial and (iii) Industrial Bill.		

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
ELECTRIC CIRCUITS LABORATORY	1	To verify Kirchhoff's Current Law and Kirchhoff's Voltage Law.		1
	2	Use dual trace oscilloscope to determine A.C voltage and current response in given R, L, C circuit.		1
	3	Use voltmeter, ammeter, wattmeter to determine active, reactive and apparent power consumed in given R-L / R-C series circuit. Draw phasor diagram.	KIT	
	4	Use voltmeter, ammeter, wattmeter to determine active, reactive and apparent power consumed in given R-L-C series circuit. Draw phasor diagram.	KIT	
	5	Use variable frequency supply to create resonance in given series and parallel R-L-C circuit or by using variable inductor or variable capacitor	KIT	
	6	Use voltmeter, ammeter, wattmeter to determine current, p.f. , active, reactive and apparent power in R-L / R-C parallel A.C. circuit.	KIT	
	7	Use voltmeter, ammeter, wattmeter, p.f meter to determine current, p.f., active, reactive and apparent power for given R-L-C parallel circuit with series connection of resistor and inductor in parallel with capacitor	KIT	
	8	Use voltmeter, ammeter, wattmeter, p.f meter to determine line and phase quantities of voltage and current for balanced three phase star and delta connected load and calculate active, reactive, and apparent power. Draw phasor diagram.		1
	9	Use voltmeter, ammeter, wattmeter, p.f meter to determine line and phase quantities of voltage and current for unbalanced three phase star and delta connected load and calculate active, reactive, and apparent power. Draw phasor diagram	KIT	
	12	Use voltmeter, ammeter to determine current through the given branch and voltage across the given element of circuit by applying superposition theorem.	KIT	

	13	Use voltmeter, ammeter to determine equivalent circuit parameter in a given circuit by applying Thevenin's theorem	KIT	
	14	Use voltmeter, ammeter to determine equivalent circuit parameter in a given circuit by applying Norton's theorem	KIT	

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
	2	. Extend range of ammeter and voltmeter by using (i) shunt and multiplier (ii) CT and PT.	KIT	
	3	Use single wattmeter for measurement of active and reactive power of three phase balanced load.	KIT	
	4	Use two watt-meters for measuring active power of three-phase balanced load.		
	5	Calibrate single phase electronic energy meter by direct loading.	KIT	
	6	. Troubleshoot single phase electronic energy meter.		
	7	Use Kelvin's double bridge for measurement of low resistance.	KIT	
	13	Use CRO for the Measurement of voltage, frequency, phase angle.		

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
	2	Plot the O.C.C. of a D.C. generator & find the critical resistance.		
	3	Starting and reversing of DC motor.		
	4	Perform the brake test on DC series motor.		
	5	Compute the efficiency of a D.C. motor by Swinburne's test.		
	6	Determine equivalent circuit parameters of single-phase transformer by performing O.C. test and S.C. test.		
	7	Determine the regulation & efficiency of single-phase transformer by direct loading method		
	8	Compute the efficiency of a single-phase transformer by Back-to-Back test.		
	9	Perform parallel operation of two single phase transformers to determine the sharing of load current, apparent and real power.		
	10	Check the functioning and testing of the isolation transformer.		

	11	Check the functioning and testing of pulse transformer		
	12	Study and check the connections (vector grouping) of three phase transformers		

Laboratory Name	SI No.	Name of the Experiment	Name of the instument	Quantity
ANALOG AND DIGITAL ELECTRONICS LABORATORY	1	**ANALOG ELECTRONICS**		
	2	1.1 Construct full-wave rectifier circuit & draw input, output waveforms – with filters and without filters.	Kit	1
	3	1.2 Plot the characteristics of Zener diode and find the breakdown voltage.	Consumable Componets	
	4	1.3 Plot the input & output characteristics of a BJT in CE or CB mode.	Kit	1
	5	1.4 Plot the characteristics of JFET / MOSFET.	Kit	
	6	1.5 Construct a single stage CE amplifier circuit on a bread board to find out the gain and observe the input and output waveforms.	Consumable Componets	
	7	1.6 Construct Relaxation Oscillator using UJT and observe output waveform by CRO.	Kit	1
	8	1.7 Construct a ±12V power supply on bread board and observe the output waveform by CRO with and without filter circuit. Also observe the output voltage using IC regulator 78XX & 79XX.	Kit	1
	9	**DIGITAL ELECTRONICS**		
	10	2.1 Realization of Half Adder, Full Adder, Half Subtractor and Full Subtractor.	Universal Trainner kit	1
	11	2.2 Verification of the function of SR, D, JK and T Flip-flops.	Kit	1

LABWISE EQIUPTMENT DETAILS DCSE

REGENT INSTITUTE OF SCIENCE & TECHNOLOGY			
LIST OF ALL EQUIPMENTS OF COMPUTER SCIENCE & ENGINEERING			
SNO.	**Name of the Experiment**	**Equipment/Softwares Used**	**Name of the Laboratory**
1	Browser features, browsing, using various search engines, writing search queries	Google Chrome	Introduction to IT Systems Lab
2	Visit various e-governance/Digital India portals, understand their features, services offered	Google Chrome	Introduction to IT Systems Lab

3	Computer and operating system-fundamentals of computer-components of computer system-Input and Output Devices-Memory handling-Storage devices	Computer (Win 7,Pentium R,2 GB DDR3 RAM,500GB HDD)	Introduction to IT Systems Lab
4	Read Wikipedia pages on computer hardware components, look at those components in lab, identify them, recognise various ports/interfaces and related cables, etc.	Google Chrome	Introduction to IT Systems Lab
5	Install Linux and Windows operating system on identified lab machines, explore various options, do it multiple times	LINUX	Introduction to IT Systems Lab
6	Connect various peripherals (printer, scanner, etc.) to computer, explore various features of peripheral and their device driver software.	Computer (Win 7,Pentium R,2 GB DDR3 RAM,500GB HDD)	Introduction to IT Systems Lab
7	Practice HTML commands with CSS try them with various values, make your basic own Webpage	NotePad ++	Introduction to IT Systems Lab
8	MS Excel Apply Custom, Formats and Layouts	MS Excel	Introduction to IT Systems Lab
9	To apply skills in Advanced Excel, is able to Format Cells, Apply Custom Values and predefined Formats Apply Borders, Design Borders, Custom Formatting	MS Excel	Introduction to IT Systems Lab
10	Create advanced formulas	MS Excel	Introduction to IT Systems Lab
11	To Use Simple and Advanced Formulas like Nested if, Reference formulas like lookup, vlookup, hlookup, count formula with conditions Index, Match, Conditional	MS Excel	Introduction to IT Systems Lab

	Loops, etc		
12	A Learner is able to seek use Goal Seek function, alter scenarios and values in a cell to reach a goal.	MS Excel	Introduction to IT Systems Lab
13	A Learner is able to seek use Goal Seek alter scenarios and values in a cell to reach a goal.	MS Excel	Introduction to IT Systems Lab
14	A Learner can tell where to use what type of charts, and obtain graphical Charts in various scenarios 3DGraphs, Bar Charts, Pie Chart, Histograms, Line Graph, Sparklines, trend, etc.	MS Excel	Introduction to IT Systems Lab
15	A Learner can tell where to use what type of charts, and obtain graphical Charts in various scenarios 3Bar Charts.	MS Excel	Introduction to IT Systems Lab
16	A Learner can tell where to use what type of charts, and obtain graphical Charts in various scenarios Histograms.	MS Excel	Introduction to IT Systems Lab
17	A Learner can tell where to use what type of charts, and obtain graphical Charts in various scenarios Sparklines, trend, etc.	MS Excel	Introduction to IT Systems Lab
18	A Learner is able to Apply Pivot Tables, Design Pivot Table, Customize Values, Manage and Share Workbooks	MS Excel	Introduction to IT Systems Lab
19	A Learner is able to Share Workbook Online, email, save on cloud, edit it Online in Google Sheets, Add Collaborators etc.	MS Excel	Introduction to IT Systems Lab

20	Create a Power Point presentation using slide template.	MS Powerpoint	Introduction to IT Systems Lab
21	Create a Power Point presentation using animation.	MS Powerpoint	Introduction to IT Systems Lab
22	Create a Power Point presentation using transition	MS Powerpoint	Introduction to IT Systems Lab
23	Create a Power Point Presentation with Adding movie and sound.	MS Powerpoint	Introduction to IT Systems Lab
24	Create a Power Point Presentation with Adding tables and chart etc.	MS Powerpoint	Introduction to IT Systems Lab
25	Create a Power Point Presentation with sound.	MS Powerpoint	Introduction to IT Systems Lab
26	Create a Power Point Presentation with Adding tables and chart etc.	MS Powerpoint	Introduction to IT Systems Lab
27	Changing slide colour scheme in presentation.	MS Powerpoint	Introduction to IT Systems Lab
28	Viewing the presentation using slide navigator.	MS Powerpoint	Introduction to IT Systems Lab
29	Create, Save, Run and Print the Power Point Presentation.	MS Powerpoint	Introduction to IT Systems Lab
30	Create and share files/folders in Google drive	Google Drive	Introduction to IT Systems Lab
31	Create and share Google docs.	Google Drive	Introduction to IT Systems Lab
32	Create and share Google sheets.	Google Drive	Introduction to IT Systems Lab
33	Create and share Google Forms.	Google Drive	Introduction to IT Systems Lab
34	Create and share Google slides.	Google Drive	Introduction to IT Systems Lab
35	Displaying hexadecimal, decimal, octal number format of the entered numbers.	Turbo C++	Computer Programming Lab in C
36	Displaying entered number with leading zeros and trailing zeros.	Turbo C++	Computer Programming Lab in C
37	Displaying entered number with right and left justification.	Turbo C++	Computer Programming Lab in C
38	Displaying with different formatting specifiers.	Turbo C++	Computer Programming Lab in C

39	To find smallest of three numbers.	Turbo C++	Computer Programming Lab in C
40	To find greatest of three numbers.	Turbo C++	Computer Programming Lab in C
41	To display pass class according to the marks entered from the keyboard.	Turbo C++	Computer Programming Lab in C
42	To display second-class according to the marks entered from the keyboard.	Turbo C++	Computer Programming Lab in C
43	To display distinction according to the marks entered from the keyboard.	Turbo C++	Computer Programming Lab in C
44	To find even numbers.	Turbo C++	Computer Programming Lab in C
45	To find odd numbers.	Turbo C++	Computer Programming Lab in C
46	To display spellings of number 1-10 on entry.	Turbo C++	Computer Programming Lab in C
47	Implementation and displaying the menu to execute ADD using switch case.	Turbo C++	Computer Programming Lab in C
48	Implementation and displaying the menu to execute SUBTRACT using switch case.	Turbo C++	Computer Programming Lab in C
49	Implementation and displaying the menu to execute MULTIPLICATION using switch case.	Turbo C++	Computer Programming Lab in C
50	Implementation and displaying the menu to execute DIVISION using switch case.	Turbo C++	Computer Programming Lab in C
51	To check whether there exist real (float) roots of a quadratic equation and if exist find them.	Turbo C++	Computer Programming Lab in C
52	To check whether there exist real (float) roots of a quadratic equation and if exist find them.	Turbo C++	Computer Programming Lab in C
53	To display our College name twenty times on screen.	Turbo C++	Computer Programming Lab in C
54	To display our College name twenty times on screen.	Turbo C++	Computer Programming Lab in C
55	To demonstrate Continue and Break statements within loop structure.	Turbo C++	Computer Programming Lab in C

56	To demonstrate Continue and Break statements within loop structure.	Turbo C++	Computer Programming Lab in C
57	To add first ‘n’ natural, even, odd numbers using different loop structures.	Turbo C++	Computer Programming Lab in C
58	To find GCD, LCM of two integral numbers.	Turbo C++	Computer Programming Lab in C
59	To generate simple number triangle for n rows.	Turbo C++	Computer Programming Lab in C
60	To generate Pascal triangle for n rows.	Turbo C++	Computer Programming Lab in C
61	To add the series 1 + (1 + 2) + (1 + 2 + 3) + …+ (1 + 2 + 3 + …+ n)	Turbo C++	Computer Programming Lab in C
62	To find all the Armstrong numbers within 100 to 1000.	Turbo C++	Computer Programming Lab in C
63	To find the largest number from array elements.	Turbo C++	Computer Programming Lab in C
64	To find the smallest number from array elements.	Turbo C++	Computer Programming Lab in C
65	To sort array elements in descendingorder.	Turbo C++	Computer Programming Lab in C
66	To sort array elements in ascendingorder.	Turbo C++	Computer Programming Lab in C
67	To enter elements for 3X3 matrix and display them.	Turbo C++	Computer Programming Lab in C
68	To enter elements for 3X3 matrix and add them.	Turbo C++	Computer Programming Lab in C
69	To enter elements for 3X3 matrix and multiply them.	Turbo C++	Computer Programming Lab in C
70	To enter elements for 2X2 matrix and add them.	Turbo C++	Computer Programming Lab in C
71	To calculate addition / subtraction of 2-dimensional matrix.	Turbo C++	Computer Programming Lab in C
72	To calculate addition / subtraction of 3-dimensional matrix.	Turbo C++	Computer Programming Lab in C
73	To calculate multiplication of 2-dimensional matrix.	Turbo C++	Computer Programming Lab in C
74	To find the number of vowels and consonants in a string.	Turbo C++	Computer Programming Lab in C

75	To find the number of vowels and consonants in a string.	Turbo C++	Computer Programming Lab in C
76	Implementation of strcpy() function.	Turbo C++	Computer Programming Lab in C
77	Implementation of strcpy() function.	Turbo C++	Computer Programming Lab in C
78	Implementation of strlen(), strcpy(), strcat() and strcmp() functions.	Turbo C++	Computer Programming Lab in C
79	To check whether a string is palindrome or not.	Turbo C++	Computer Programming Lab in C
80	To interchange the biggest number in to calculate factorial a one-dimensional array using function.	Turbo C++	Computer Programming Lab in C
81	To interchange the biggest number in to calculate factorial a TWO-dimensional array using function.	Turbo C++	Computer Programming Lab in C
82	To interchange the Smallest number in to calculate factorial a 2-dimensional array using function.	Turbo C++	Computer Programming Lab in C
83	To interchange the smallest number in to calculate factorial a one-dimensional array using function.	Turbo C++	Computer Programming Lab in C
84	To calculate addition of 2- dimensional matrix using function.	Turbo C++	Computer Programming Lab in C
85	To calculate subtraction of 2- dimensional matrix using function.	Turbo C++	Computer Programming Lab in C
86	To calculate multiplication of 2-dimensional matrix using function.	Turbo C++	Computer Programming Lab in C
87	To calculate addition, subtraction and multiplication of 3-dimensional matrix using function.	Turbo C++	Computer Programming Lab in C
88	To calculate addition, subtraction and multiplication of 1-dimensional matrix using function.	Turbo C++	Computer Programming Lab in C

89	Write a program in C to find GCD of two numbers using recursion.	Turbo C++	Computer Programming Lab in C
90	To read and display an integer array using pointer.	Turbo C++	Computer Programming Lab in C
91	To read and display a text using a character pointer to a string.	Turbo C++	Computer Programming Lab in C
92	Also count the number of characters, words and lines in the text.	Turbo C++	Computer Programming Lab in C
93	To read, display, add and subtract of two times defined using hour, minutes and values of seconds.	Turbo C++	Computer Programming Lab in C
94	To read and display the contents of a structure variable using pointer to a structure.	Turbo C++	Computer Programming Lab in C
95	Write a program in C to create a singly linked list of n nodes and display it in reverse order.	Turbo C++	Computer Programming Lab in C
96	Write a program in C to insert a new node to a Singly Linked List after a desired node and display the list.	Turbo C++	Computer Programming Lab in C
97	Write a program in C to delete a node from a Singly Linked List after/before a desired node and display the list.	Turbo C++	Computer Programming Lab in C
98	Implement Stack data structure using dynamic memory allocation.	Turbo C++	Computer Programming Lab in C
99	Implement Queue data structure using dynamic memory allocation.	Turbo C++	Computer Programming Lab in C
100	Running instructions in Interactive interpreter and a Python Script	PyCharm	Scripting Languages Lab
101	Write a script to purposefully raise Indentation Error and Correct it	PyCharm	Scripting Languages Lab
102	Write a script to find Sum and average of first n natural numbers	PyCharm	Scripting Languages Lab

103	Given 2 strings, s1 and s2, create a new string by appending s2 in the middle of s1	PyCharm	Scripting Languages Lab
104	Given 2 strings, s1 and s2, create a new string by appending s2 in the middle of s2	PyCharm	Scripting Languages Lab
105	Write a script to check whether a given string is palindrome or not.	PyCharm	Scripting Languages Lab
106	Write a program add.py that takes 2 numbers as command line arguments and prints its sum.	PyCharm	Scripting Languages Lab
107	Write a script using a for loop that loops over a sequence	PyCharm	Scripting Languages Lab
108	Write a script using a while loops over a sequence	PyCharm	Scripting Languages Lab
109	Write a script to count the numbers of characters in the string.	PyCharm	Scripting Languages Lab
110	Write a script to count the numbers of characters in the string and store them in a dictionary data structure.	PyCharm	Scripting Languages Lab
111	Write a program to use split and join methods in the string and trace a birthday with a dictionary data structure.	PyCharm	Scripting Languages Lab
112	Write a program to join methods in the string and trace a birthday with a dictionary data structure.	PyCharm	Scripting Languages Lab
113	Write a script that combines more than one lists into a dictionary	PyCharm	Scripting Languages Lab
114	Compute the GCD of two numbers.	PyCharm	Scripting Languages Lab
115	Compute the LCM of two numbers.	PyCharm	Scripting Languages Lab
116	Check a number is whole or not	PyCharm	Scripting Languages Lab
117	Check a number is prime or not	PyCharm	Scripting Languages Lab
118	Check a number is real	PyCharm	Scripting Languages Lab

	or not		
119	Find the square root of a number	PyCharm	Scripting Languages Lab
120	Exponentiation (power of a number)	PyCharm	Scripting Languages Lab
121	Find all primes within a given range	PyCharm	Scripting Languages Lab
122	Find First n Fibonacci numbers.	PyCharm	Scripting Languages Lab
123	Find the maximum of a list of numbers	PyCharm	Scripting Languages Lab
124	Linear search.	PyCharm	Scripting Languages Lab
125	Binary search.	PyCharm	Scripting Languages Lab
126	Write a function nearly equal to test whether two strings are nearly equal. Two strings a and b are nearly equal when a can be generated by a single mutation on b.	PyCharm	Scripting Languages Lab
127	Find the most frequent words in a text read from a file	PyCharm	Scripting Languages Lab
128	Find the less frequent words in a text read from a file	PyCharm	Scripting Languages Lab
129	Programs that take command line arguments (word count)	PyCharm	Scripting Languages Lab
130	Programs that take command line arguments (word count)	PyCharm	Scripting Languages Lab
131	Write a function to find all duplicates in the list	PyCharm	Scripting Languages Lab
132	Write a function to find a duplicate in the list	PyCharm	Scripting Languages Lab
133	Remove empty strings from the list of strings	PyCharm	Scripting Languages Lab
134	Write a program to print each line of a file in reverse order.	PyCharm	Scripting Languages Lab
135	Write a program to compute the number of characters, words and lines in a file.	PyCharm	Scripting Languages Lab
136	Write a script to Calculate age in year month days of a person taking his/her date of birth as input and accessing current system date.	PyCharm	Scripting Languages Lab
137	Write a regular expression to search	PyCharm	Scripting Languages Lab

	digit inside a string		
138	To write a program to check whether a word is palindrome or not.	Turbo C++	Data Structures Lab
139	To create a two-dim e n sio nal array of numbers and calculate & display the row & column sum and the grand total.	Turbo C++	Data Structures Lab
140	To write a program of matrix multiplication.	Turbo C++	Data Structures Lab
141	To write a program to insert (Push) an element into the sack and delete (Pop) an element from the stack using pointer.	Turbo C++	Data Structures Lab
142	To write a program to convert an infix expression to a postfix expression.	Turbo C++	Data Structures Lab
143	To evaluate a postfix expression.	Turbo C++	Data Structures Lab
144	To write a program to insert an element in the queue and delete an element from the queue using pointer.	Turbo C++	Data Structures Lab
145	To create a circular queue.	Turbo C++	Data Structures Lab
146	To add an element and delete an element from a circular queue.	Turbo C++	Data Structures Lab
147	To delete an element from a circular queue.	Turbo C++	Data Structures Lab
148	To write a program of a structure containing an item name along with the unit price. The user enters the item name and quantity to be purchased. Program print outs total price of item with name using pointer in a structure or array in a structure.	Turbo C++	Data Structures Lab
149	To create a single linked list and — (a) insert a node in the list (before header node, in between two nodes, end of the list); (b0 delete a node from the list (1st node, last node, in	Turbo C++	Data Structures Lab

	between two nodes); (c) Concatenate two lists.		
150	To create a doubly linked list and — (a) insert a node in the list (before header node, in between two nodes, end of the list); (b) delete a node from the list (1st node, last node, in between two nodes); (c) Concatenate two lists.	Turbo C++	Data Structures Lab
151	To create a circular linked list and insert & delete an element from the list.	Turbo C++	Data Structures Lab
152	Write a program to merge two shorted linked list.	Turbo C++	Data Structures Lab
153	Write a program to reverse a linked list.	Turbo C++	Data Structures Lab
154	To write a program to calculate the binomial co-efficient of n Cr of two numbers using recursive function.	Turbo C++	Data Structures Lab
155	Also write the same program using function in non-recursive way.	Turbo C++	Data Structures Lab
156	To write a program to generate Fibonacci Series using recursive function. Also write the same programusing function in non-recursive way.	Turbo C++	Data Structures Lab
157	To write a program to create a binary tree and traverse it in pre-order and post-order form.	Turbo C++	Data Structures Lab
158	To write a program to create a binary search tree and (a) insert a new node in the BST, (b) search a node in the BST, (c) delete a node from the BST.	Turbo C++	Data Structures Lab
159	Creating & Executing DDL in SQL.	MySQL	Introduction to DBMS Lab

160	Creating & Executing DCL in SQL.	MySQL	Introduction to DBMS Lab
161	Creating & Executing Integrity constraints in SQL.	MySQL	Introduction to DBMS Lab
162	Creating & Executing REFERENTIAL constraints in SQL.	MySQL	Introduction to DBMS Lab
163	Creating & Executing KEY constraints in SQL.	MySQL	Introduction to DBMS Lab
164	Creating & Executing DML in SQL.	MySQL	Introduction to DBMS Lab
165	Executing logical and mathematical set operators using SQL.	MySQL	Introduction to DBMS Lab
166	Executing mathematical set operators using SQL.	MySQL	Introduction to DBMS Lab
167	Executing relational set operators using SQL.	MySQL	Introduction to DBMS Lab
168	Executing mathematical set operators using SQL.	MySQL	Introduction to DBMS Lab
169	Executing mathematical set operators using SQL.	MySQL	Introduction to DBMS Lab
170	Executing group functions	MySQL	Introduction to DBMS Lab
171	Executing string operators & string functions.	MySQL	Introduction to DBMS Lab
172	Executing Date & Time functions.	MySQL	Introduction to DBMS Lab
173	Executing Data Conversion functions.	MySQL	Introduction to DBMS Lab
174	Executing DCL in SQL.	MySQL	Introduction to DBMS Lab
175	Executing Sequences and synonyms in SQL.	MySQL	Introduction to DBMS Lab
176	Program for declaring and using variables and constant using PL/SQL.	MySQL	Introduction to DBMS Lab
177	Program using if then else in PL/SQL.	MySQL	Introduction to DBMS Lab
178	Program using for loop in PL/SQL.	MySQL	Introduction to DBMS Lab
179	Program using for while loop in PL/SQL.	MySQL	Introduction to DBMS Lab
180	Program using nested loop in Pl/SQL.	MySQL	Introduction to DBMS Lab

181	Employee database – 'Create' employee table, 'Select' and display an employee matching a given condition, 'Delete' duplicate records, delete rows using triggers, insert and update records, find net salary, etc.	MySQL	Introduction to DBMS Lab
182	Students' Academic database consisting of relevant tables to handle simple queries with PL/SQL.	MySQL	Introduction to DBMS Lab
183	Inventory Management System database. Do related activities such as prepare E-R Model, Relational Model, do Normalization, Create Tables, Insert data, Delete Data, Query database, create stored procedures, etc.	MySQL	Introduction to DBMS Lab
184	Bus Operator (Roadways) – Do related activities such as prepare E-R Model, Relational Model, do Normalization, Create Tables, Insert data, Delete Data, Query database, create stored procedures, etc.	MySQL	Introduction to DBMS Lab
185	Showing various types of networking cables and connectors, identifying them clearly	RJ45 connector, crimping tool, CAT 6 LAN Cable	Computer Networks Lab
186	Looking at specifications of cables and connectors of various companies on Internet, find out differences.	RJ45 connector, crimping tool, CAT 6 LAN Cable	Computer Networks Lab
187	Making patch cords using different types of cables and connectors - crimping, splicing, etc.	RJ45 connector, crimping tool, CAT 6 LAN Cable	Computer Networks Lab
188	Making patch cords using different types of cables and connectors - crimping, splicing, etc.	RJ45 connector, crimping tool, CAT 6 LAN Cable	Computer Networks Lab

189	Demonstration of different type of cable testers, using them for testing patch cords, prepared by the students in Lab and standard cables prepared by professionals	RJ45 connector, crimping tool, CAT 6 LAN Cable	Computer Networks Lab
190	Configuring computing devices (PC, Laptop, Mobile, etc) for network, exploring different options and their impact – IP address, gateway, DNS, security options, etc.	Computer (Win 7,Pentium R, 2 GB DDR3 RAM,500GB HDD), Cisco Packet Tracer	Computer Networks Lab
191	Showing various networking devices – NICs, Hub, Switch, Router, WiFi access point, etc.	RJ45 connector, crimping tool,CAT 6 LAN Cable	Computer Networks Lab
192	Looking at specifications of various networking devices various companies on Internet, find out differences.	RJ45 connector, crimping tool,CAT 6 LAN Cable	Computer Networks Lab
193	Network simulation tool (e.g. Cisco Packet Tracer)	RJ45 connector, crimping tool,CAT 6 LAN Cable	Computer Networks Lab
194	Setting up a small wired LAN in the Lab	RJ45 connector, crimping tool,CAT 6 LAN Cable	Computer Networks Lab
195	Setting up a small wireless LAN in the Lab	RJ45 connector, crimping tool,CAT 6 LAN Cable	Computer Networks Lab
196	Install JDK, write a simple “Hello World” or similar java program, compilation, debugging, executing using java compiler and interpreter.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
197	Write a program in Java to generate first n prime numbers.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
198	Write a program in Java to find maximum of three numbers using conditional operator.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
199	Write a program in Java to find minimum of three numbers using conditional operator.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
200	Write a program in Java to find second maximum of n numbers	Apache NetBeans 8.2	Object Oriented Programming Lab using Java

	without using arrays.		
201	Write a program in Java to find the maximum of n numbers without using arrays.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
202	Write a program in Java to reverse the digits of a number using while loop.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
203	Write a program in Java to reverse the digits of a number using for loop.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
204	Write a program in Java to convert number into words & print it	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
205	Write programs in Java to use Wrapper class of each primitive data types.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
206	Write programs in Java to use Wrapper class of each NON-primitive data types.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
207	Write a program in Java to multiply two matrix	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
208	Write a static block which will be executed before main( ) method in a class.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
209	Write a static block which will be executed before main( ) method in a class.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
210	Write a program in Java to demonstrate use of this keyword. Check whether this can access the private members of the class or not.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
211	Write a program in Java to demonstrate use of this keyword.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
212	Write a program in Java to develop overloaded constructor. Also develop the copy constructor to create a new object with the state of the existing object.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java

213	Also develop the copy constructor to create a new object with the state of the existing object.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
214	Write a program in Java to demonstrate the use of private constructor and also write a method which will count the number of instances created using default constructor only.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
215	Write a program in Java to demonstrate the use of private constructor and also write a method.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
216	Write a program in Java to demonstrate the use of 'final' keyword in the field declaration. How it is accessed using the objects.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
217	Develop minimum 4 program based on variation in methods i.e. passing by value, passing by reference, returning values and returning objects from methods.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
218	Write a program in Java to demonstrate single inheritance, multilevel inheritance and hierarchical inheritance.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
219	Write a program in Java to demonstrate single inheritance, multilevel inheritance and hierarchical inheritance.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
220	Create a class to find out whether the given year is leap year or not.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
221	Create a class to find out whether the given year is leap year or not using while loop.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java

222	Write an application that illustrates how to access a hidden variable. Class A declares a static variable x. The class B extends A and declares an instance variable x. display( ) method in B displays both of these variables.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
223	Write an application that illustrates how to access a hidden variable. Class A declares a static variable x.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
224	Write a program in Java in which a subclass constructor invokes the constructor of the super class and instantiate the values.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
225	Write a program that illustrates interface inheritance. Interface P12 inherits from both P1 and P2. Each interface declares one constant and one method. The class Q implements P12. Instantiate Q and invoke each of its methods. Each method displays one of the constants.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
226	Write an application that illustrates method overriding in the same package and different packages. Also demonstrate accessibility rules in inside and outside packages.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
227	Describe abstract class called Shape which has three subclasses say Triangle, Rectangle, Circle. Define one method area()in the abstract class and override this area() in these three subclasses to calculate for specific	Apache NetBeans 8.2	Object Oriented Programming Lab using Java

	object i.e. area() of Triangle subclass should calculate area of triangle etc. Same for Rectangle and Circle		
228	Describe abstract class called Shape which has three subclasses say Triangle, Rectangle, Circle. Define one method area()in the abstract class and override this area() in these three subclasses to calculate for specific object i.e. area() of Triangle subclass should calculate area of triangle etc. Same for Rectangle and Circle	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
229	Write a program in Java to demonstrate implementation of multiple inheritance.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
230	Write a program in Java to demonstrate implementation of multiple inheritance using interfaces.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
231	Write a program in Java to demonstrate use of final class.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
232	Write a program in Java to demonstrate use of this keyword.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
233	Write a program in Java to demonstrate use of super class.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
234	Write a program in Java to develop user defined exception for 'Divide by Zero' error.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
235	Write a program in Java to demonstrate multiple try block and multiple catch exception.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
236	Write a program in Java to demonstrate multiple try block and multiple catch exception.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java

237	Write an small application in Java to develop Banking Application in which user deposits the amount Rs 1000.00 and then start withdrawing of Rs 400.00, Rs 300.00 and it throws exception "Not Sufficient Fund" when user withdraws Rs. 500 thereafter.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
238	Write an small application in Java to develop Banking Application in which user deposits the amount Rs 1000.00 and then start withdrawing of Rs 400.00, Rs 300.00 and it throws exception "Not Sufficient Fund" when user withdraws Rs. 500 thereafter.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
239	Write a program that executes two threads. One thread displays “Thread1” every 2,000 milliseconds, and the other displays “Thread2” every 4,000 milliseconds. Create the threads by extending the Thread class.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
240	Write a program that executes two threads. One thread displays “Thread1” every 2,000 milliseconds, and the other displays “Thread2” every 4,000 milliseconds. Create the threads by extending the Thread class.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
241	Write a program that executes two threads. One thread will print the even numbers and the another thread will print odd numbers from 1 to 50.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java

242	Write a program that executes two threads. One thread will print the even numbers and the another thread will print even numbers from 1 to 50.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
243	Write a program in Java to demonstrate use of synchronization of threads when multiple threads are trying to update common variable.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
244	Write a program in Java to demonstrate use of synchronization of threads when multiple threads are trying to update common variable.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
245	Write a program in Java to create operations on a Text file.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
246	Write a program in Java to write operations on a Text file.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
247	Write a program in Java to modify operations on a Text file.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
248	Write a program in Java to read operations on a Text file.	Apache NetBeans 8.2	Object Oriented Programming Lab using Java
249	Revision practice of various commands like man, cp, mv, ln, rm, unlink, mkdir, rmdir, etc.	Turbo C++	Operating System Lab
250	Simulate the CPU scheduling algorithms - Round Robin, SJF, FCFS, priority	Turbo C++	Operating System Lab
251	Simulate Bankers algorithm for Deadlock Avoidance and Prevention	Turbo C++	Operating System Lab
252	Simulate all FIFO Page Replacement Algorithm using C program C	Turbo C++	Operating System Lab
253	Simulate all SJF Page Replacement Algorithm using C program C	Turbo C++	Operating System Lab

254	Simulate all LRU Page Replacement Algorithm using C program C	Turbo C++	Operating System Lab
255	Simulate all OPTIMAL Page Replacement Algorithm using C program C	Turbo C++	Operating System Lab
256	Simulate all FCFS Page Replacement Algorithms using C	Turbo C++	Operating System Lab
257	Simulate Paging Technique of Memory Management C	Turbo C++	Operating System Lab
258	Simulate Paging Technique of Memory Management C++	Turbo C++	Operating System Lab
259	Practice various commands/utilitiessuch as catnl, uniq, tee, pg, comm, cmp, diff, tr, tar, cpio, mount, umount, find, umask, ulimit, sort, grep, egrep,fgrep cut, paste, join, du, df , ps, who, etc and many more.	Turbo C++	Operating System Lab
260	To Add Two Binary Number Each 1 Bytes Long (without and with carry)	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
261	To Add Two Binary Number Each 2 Bytes Long (without and with carry)	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
262	To Add array of 1 Bytes numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
263	To Add array of 4 Bytes numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
264	To Add array of 8 Bytes numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
265	To Add array of 2 Bytes numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
266	To Add Two Binary Number Each 4/8 Bytes Long	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
267	Exchange two memory location without using exchange instruction.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
268	To Add Two Binary Number Each 16 Bytes Long	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
269	To Find the Minimum Number in a given array.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug

270	To Find the Maximum Number in a given array.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
271	Sort in ascending order	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
272	Sort in descending order	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
273	Use of DOS interrupt INT 20 and INT 21:	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
274	Use of DOS interrupt INT 20 and INT 21:	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
275	A string is stored in memory location starting from 0200h started	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
276	A string is stored in memory location starting from 0200h ended	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
277	with character $. Display the string.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
278	A one-byte number is stored at 0200h, print the binary of that byte.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
279	Display a hexadecimal byte stored at DL register.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
280	Display a decimal byte stored at DL register.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
281	Display a octal byte stored at DL register.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
282	Display a binary stored at DL register.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
283	Reading 1/2 digit hexadecimal number from keyboard.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
284	Writing any other program like using stack, subroutine, code conversion, string manipulation is welcome.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
285	Writing any other program like using stack, subroutine, code conversion, string manipulation is welcome.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
286	Writing any other program like using stack is welcome.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
287	Writing any other program like using stack, string manipulation is welcome.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug

288	Carry out the interfacing ADC/DAC, Stepper motor etc.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
289	Carry out the interfacing DAC, Stepper motor etc.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
290	How do mode bits of timer 0 and 1 swapped at the TMOD?	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
291	Complement the port P2 bits.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
292	Complement the bit 4 of internal RAM at 21H	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
293	Complement the bit 3 of internal RAM at 21H	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
294	Add/Subtract two 16 bit numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
295	Add/Subtract two 4 bit numbers and reverse.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
296	Add two 8 bit numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
297	Add/Subtract two 8 bit numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
298	Add two 16 bit numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
299	Add two 8 bit numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
300	Add two 4 bit numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
301	Add two BCD numbers.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
302	Other programs to control timer, subroutine, bit manipulation etc. is welcome.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
303	Use simulator like EDSim51 and perform C programming.	EMU 8086	Microprocessor & Microcontroller Lab using simulator/debug
304	To develop Web pages uisng HTML,CSS, JAVA Script, MySQL, JSP, ASP.	Turbo C++, PyCharm, MySQL, Apache NetBeans 8.2	Major Project
305	To develop Application packages C/C++/Python/JAVA/ VB.	Turbo C++, PyCharm, MySQL, Apache NetBeans 8.2	Major Project
306	To develop online examination system PHP / Java, MySQL	Turbo C++, PyCharm, MySQL, Apache NetBeans 8.2	Major Project
307	Develop Web based application JAVA Script/PHP, MySQL	Turbo C++, PyCharm, MySQL, Apache NetBeans 8.2	Major Project
308	Android App development using Android studio/Java	Turbo C++, PyCharm, MySQL, Apache NetBeans 8.2	Major Project

309	Image processing application using Python/Mat-lab	Turbo C++, PyCharm, MySQL, Apache NetBeans 8.2	Major Project
310	Database oriented application development like Student information system, Library management system etc.	Turbo C++, PyCharm, MySQL, Apache NetBeans 8.2	Major Project

xiv. List of Experimental Setup in each Laboratory/Workshop:

xvi. Social Media Cell: YES

a. Dr. Soumyendu Bhattacharjee (Chairperson)
b. Mr. Prabal Kumar Basak (Convenor)
c. Mr. Indranil Chatterjee (Media Representative, Radio Mirchi)
d. Mr. Sayan Kumar Khan (Member)

xviii. To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t the courses in the website:

xix. Games and Sports Facilities: YES
xx. Teaching Learning Process: YES

18.16 Enrolment and placement details of students in the last 3years:

Academic Year	Male	Female	Total	Annual Package Offered
2024-25	170	10	180	216000/-
2023-24	180	5	185	180000/-
2022-23	85	25	110	144000/-

18.18 MoUs with Industries:

STEP FORWARD
CORPORATE MANAGEMENT

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

<<REGENT INSTITUTE OF SCIENCE & TECHONOLOGY>>

AND

<<SCM Infoway>>

Regent Institute of Science & Technology, the First Party represented herein by its Principal / Director / Head of Institution **Regent Institute of Science & Technology,** And **SCM infoway**. The Second party, and represented herein by its Centre Head / Director / Managing Director <Chandani Ghelani, Managing Director>>
WHEREAS:

A) First Party is a Higher Educational Institution named: **Regent Institute of Science & Technology,**

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture.

D) **<<SCM Infoway>>**, - the Second Party is engaged in << IT Company>>.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 **CO-OPERATION**

1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

STEP FORWARD
CORPORATE MANAGEMENT

CLAUSE 2 **SCOPE OF THE MoU**

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

2.3 Placement of trained students: second party will actively engage to help the delivery of the training and placement of the students of the first party on the technology trends and in house requirements.

2.4 There is no financial commitment on the part of the **<<Institute Name>>**, the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3 **VALIDITY**

3.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period, the Second Part.

CLAUSE 4 **RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

Milan Mazumdar

R.I.S.T.
Principal

PRINCIPAL
REGENT INSTITUTE OF
SCIENCE & TECHNOLOGY

Second Party

Stepforward Corporate Management
Chandni H. Thelani
Proprietor

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

REGENT INSTITUTE OF SCIENCE & TECHNOLOGY

AND

Aakash InfoWay Pvt. Ltd.

Regent Institute of Science & Technology the First Party represented herein by its Principal / Director / Head of Institution **Regent Institute of Science & Technology,** And **Aakash InfoWay Pvt. Ltd.**. The Second party, and represented herein by its Centre Head / Director / Managing Director **Chandresh Kothari (CEO)**
WHEREAS:

A) First Party is a Higher Educational Institution named: **Regent Institute of Science & Technology.**

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture.

D) **Aakash InfoWay Pvt. Ltd.**, - the Second Party is engaged in IT (Software Development).

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 **CO-OPERATION**

1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2 **SCOPE OF THE MoU**

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

2.3 Placement of trained students: second party will actively engage to help the delivery of the training and placement of the students of the first party on the technology trends and in house requirements.

2.4 There is no financial commitment on the part of the **Regent Institute of Science & Technology,** the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required

CLAUSE 3 **VALIDITY**

3.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period, the Second Part.

CLAUSE 4 **RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

Milan Mazumdar

R.I.S.T
Principal

PRINCIPAL
REGENT INSTITUTE OF
SCIENCE & TECHNOLOGY

Second Party
Chandreb Kothari
CEO

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

REGENT INSTITUTE OF SCIENCE & TECHNOLOGY

AND

ANYTECHTRIAL.COM (ANY TECH VENTURES PVT. LTD.)

Regent Institute of Science & Technology, the First Party represented herein by its Principal / Director / Head of Institution **Regent Institute of Science & Technology,** And **AnyTechTrial.Com (Any Tech Ventures Pvt. Ltd.)** The Second party, and represented herein by its CMD Mr. Abhisek Tyagi
WHEREAS:

A) First Party is a Higher Educational Institution named: **Regent Institute of Science & Technology,** Barrackpore.

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill BasedTraining, Education, Placement, Industrial Visit, Expert Lecture.

D) **AnyTechTrial.Com (Any Tech Ventures Pvt. Ltd.)**, - the Second Party is engaged in IT (Software Develpoment, SaaS & Internet Markeplace)

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 **CO-OPERATION**

1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
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2.3 Placement of trained students: second party will actively engage to help the delivery of the training and placement of the students of the first party on the technology trends and in house requirements.

2.4 There is no financial commitment on the part of the **Regent Institute of Science & Technology,** the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3VALIDITY

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CLAUSE 4 RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

Milan Mazumdar

R.I.S.T
Principal
PRINCIPAL
REGENT INSTITUTE OF
SCIENCE & TECHNOLOGY

Second Party
: Any Tech Ventures Pvt. Ltd.
Director
Director (CMD)
Abhishek Tyagi

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

REGENT INSTITUTE OF SCIENCE AND TECHNOLOGY

AND

VALUE PROSPECT CONSULTING

Regent Institute of Science & Technology, the First Party represented herein by its Principal / Director / Head of Institution **Regent Institute of Science & Technology,** And **Value Prospect Consulting** The Second party, and represented herein by its Proprietor. Mr. Abhisek Tyagi (CEO & Founder)

WHEREAS:

A) First Party is a Higher Educational Institution named: **Regent Institute of Science & Technology,** Barrackpore.

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill BasedTraining, Education, Placement, Industrial Visit, Expert Lecture.

D) **VALUE PROSPECT CONSULTING**, - the Second Party is engaged in IT (Software Develpoment)

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 **CO-OPERATION**

1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2 **SCOPE OF THE MoU**

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First

Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

2.3 Placement of trained students: second party will actively engage to help the delivery of the training and placement of the students of the first party on the technology trends and in house requirements.

2.4 There is no financial commitment on the part of the **Regent Institute of Science & Technology,** the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.5 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

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CLAUSE 4 **RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

First Party

Milan Mazumdar

R.I.S.T

Principal

PRINCIPAL
REGENT INSTITUTE OF
SCIENCE & TECHNOLOGY

Second Party

VALUE PROSPECT CONSULTING Ghaziabad

Abhishek Tyagi

CEO & Founder

RASHMI GROUP
A House of Infrastructure Solutions

RASHMI METALIKS LIMITED
REGD. & CORPORATE OFFICE : PREMLATA BUILDING, 39, SHAKESPEARE SARANI
6TH FLOOR, KOLKATA - 700 017, INDIA. TEL. : (033) 22894255/56, FAX : 2289-4254
Website : www.rashmigroup.com • CIN No. - U27109WB2004PLC097737

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

REGENT INSTITUTE OF SCIENCE & TECHNOLOGY

AND
Rashmi Group

Regent Institute of Science & Technology, the First Party represented herein by its Principal / Director / Head of Institution **Regent Institute of Science & Technology,** And **Rashmi Group**. The second party, and represented herein by Mr. Prakash Joshi, HR Head.

WHEREAS:

A) First Party is a Higher Educational Institution named: **Regent Institute of Science & Technology,**

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit, Expert Lecture.

D) **Rashmi Group** - the Second Party is engaged in Manufacturing Industries.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 **CO-OPERATION**

1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2 **SCOPE OF THE MOU**

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

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2.4 There is no financial commitment on the part of the **Regent Institute of Science & Technology**, the first party to take up any program mention in MOU. If there is any financial consideration, it will be dealt separately.

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CLAUSE 3 **VALIDITY**

3.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period, the Second Part.

CLAUSE 4 **RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

Milan Mazumdar

R.I.S.T
Principal
PRINCIPAL
REGENT INSTITUTE OF
SCIENCE & TECHNOLOGY

Second Party
Mr. Prakash Joshi
Head HR & IR
Rashmi Group

Ideal Center, AJC Bose Road

Kolkata-70017