

MANDATORY DISCLOSURES

2025-26

1. Name of the Institution : SEEMANTA ENGINEERING COLLEGE, MAYURBHANJ
(Address including Telephone, Mobile, E-Mail) AT- MAYURVIHAR, VILL- JAUNTI, PO- JHARPOKHARIA
DIST- MAYURBHANJ, STATE- ODISHA, 757086
TEL: (06791) 222808
MOB : 7381244960
E-mail: principal@seemantaengg.ac.in
2. Name and address of the Trust/ Society/
Company and the Trustees : SEEMANTA MAHAVIDYALAYA SAMITI
(Address including Telephone, Mobile, E-Mail) AT - JHARPOKHARIA, DIST- MAYURBHANJ,
STATE- ODISHA,757086
TEL: (06791) 222808
MOB : 7381244960
E-mail: principal@seemantaengg.ac.in
3. Name and Address of the Vice Chancellor/
Principal/Director : Dr. PRASANTA NAYAK
(Address including Telephone, Mobile, E-Mail) PRINCIPAL
SEEMANTA ENGINEERING COLLEGE, MAYURBHANJ,
JHARPOKHARIA
TEL: (06791) 222808
MOB : 7849068554
e-mail: principal@seemantaengg.ac.in
4. Name of the affiliating University : BIJU PATTANAIK UNIVERSITY OF TECHNOLOGY, ROURKELA
5. Governance :
 - (a) Organizational chart : ANNEXURE-1
 - (b) Grievance Redressal mechanism : YES, ANNEXURE-2
for Faculty, staff and students
 - (c) Establishment of Anti Ragging : YES, ANNEXURE-3
Committee
 - (d) Establishment of Online : YES, ANNEXURE-4
Grievance Redressal Mechanism
 - (e) Details of Grievance Redressal : ANNEXURE-5
Committee in the Institution and
OMBUDSMAN by the University
 - (f) Establishment of Internal : YES, ANNEXURE-6
Committee (IC)
 - (g) Establishment of Committee for : YES, ANNEXURE-7
SC/ST
 - (h) Internal Quality Assurance Cell : YES, ANNEXURE-8
 - (i) Equal Opportunity facilities Cell. : YES, ANNEXURE-9
6. Programmes :
 - (a) Name of Programmes approved : B.TECH ; M.TECH, MCA, DIPLOMA
by AICTE
 - (b) Name of Programmes Accredited : NA
by NBA
 - (c) Status of Accreditation of the : NA
Courses
 - (d) Total number of Courses : 12

(e) For each Programme the following details are to be given (Preferably in Tabular form):

Name	Number of Seats	Duration	Fee	Placement Facilities
ELECTRONICS AND TELECOMMUNICATION ENGINEERING	60	4	As approved by the State Government	Yes
COMPUTER SCIENCE AND ENGINEERING	60	4	As approved by the State Government	Yes
ELECTRICAL ENGINEERING	60	4	As approved by the State Government	Yes
MECHANICAL ENGINEERING	120	4	As approved by the State Government	Yes
CIVIL ENGINEERING	60	4	As approved by the State Government	Yes
ELECTRICAL AND ELECTRONICS ENGINEERING	30	4	As approved by the State Government	Yes
ELECTRICAL ENGINEERING	18	2	As approved by the State Government	Yes
MECHANICAL ENGINEERING	18	2	As approved by the State Government	Yes
MASTERS IN COMPUTER APPLICATIONS	30	2	As approved by the State Government	Yes
CIVIL ENGINEERING (Diploma)	60	3	As approved by the State Government	Yes
MECHANICAL ENGINEERING (Diploma)	60	3	As approved by the State Government	Yes
ELECTRICAL ENGINEERING (Diploma)	60	3	As approved by the State Government	Yes

- (f) Fee (as approved by the state government) : Yes
 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 : No
- (g)
1. Details of the Foreign University, if any : NA
 2. Name of the University : NA
 3. Address : NA
 4. Website : NA
 5. Accreditation status of the University in its Home Country : NA
 6. Ranking of the University in the Home Country : NA
 7. 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
- (h) Nature of Collaboration : NA
- (i) Complete details of payment a student has to make to get the full benefit of Collaboration : NA
- (j) For each Programme Collaborated provide the following : NA
- (k) Programme Focus : NA
- (l) Number of seats : NA

- (m) Admission Procedure : NA
- (n) Fee (as approved by the state government) : NA
- (o) Whether the Collaboration Programme is approved by AICTE? : NA
If not whether the Domestic/ Foreign University has applied to AICTE for approval

7. Faculty :
- (a) Course/Branch wise list Faculty : ANNEXURE-10
members:
 - (b) Permanent Faculty : 81
 - (c) Adjunct Faculty :
 - (d) Permanent Faculty: Student Ratio : ANNEXURE-11

8. Profile of Vice Chancellor/Director/Principal/Faculty :
- (a) Name : Dr. PRASANTA NAYAK
 - (b) Date of Birth : 31-12-1965
 - (c) Unique ID : 1-18342139
 - (d) Education Qualifications : M.E. Ph.D.(Engineering)
 - (e) Work Experience : 32 Years
 - (f) Teaching/ Research/ Industry/ Others : Teaching: 21 yrs, Research: 07 yrs, Industry: 11 yrs
 - (g) Area of Specialization : MACHINE DESIGN
 - (h) Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level : **Under Graduate:** Engineering Mechanics, Mechanics of Solids, Machine Drawings, Advanced Mechanics of Solids, Machines Designs, Heat Transfer, Mechanical Vibrations, Structural Dynamics, etc.
Post Graduate: Theory of Plasticity.
 - (i) Research guidance (Number of Students) : NIL
 - (j) No. of papers published in National/International Journals/Conferences : NIL
 - (k) Master (Completed/Ongoing) : Completed
 - (l) Ph.D. (Completed/Ongoing) : Completed
 - (m) Projects Carried out : NIL
 - (n) Patents (Filed & Granted) : NIL
 - (o) Technology Transfer : NIL
 - (p) Research Publications (No. of papers published in National/International Journals/Conferences) : **International Journals: 04 nos.**
International Conferences: 01 no.
National Conferences: 01 no.
 - (q) No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : NIL

9.	Fee	:	ANNEXURE-12
(a)	No. of Fee waivers granted with amount and name of students	:	
(b)	Number of scholarship offered by the Institution, duration and amount	:	

10. Admission :
- (a) Number of seats sanctioned with the year of approval : EoA (2025-26) by AICTE; BPUT / Affl. / 4514/07-07-2025; ANNEXURE-13
 - (b) Number of Students admitted under various categories each year in the last three years : ANNEXURE-14
 - (c) Number of applications received during last year for admission under Management Quota and number admitted : NA

11.	Admission Procedure	:	Through JEE Main & OJEE examination
(a)	Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)	:	Through JEE Main & OJEE examination
(b)	Number of Students admitted under various categories each year in the last three years	:	
(c)	Number of seats allotted to different Test Qualified candidate separately (AIEEE//JEE/ CET (State conducted test/ University tests/ CMAT)/ Association conducted test etc.)	:	
(d)	Calendar for admission against Management quota seats	:	
(e)	Last date of request for applications	:	
(f)	Last date of submission of applications	:	
(g)	Dates for announcing final results	:	
(h)	Release of admission list (main list and waiting list shall be announced on the same day)	:	
(i)	Date for acceptance by the candidate (time given shall in no case be less than 15 days)	:	
(j)	Last date for closing of admission & Starting of the Academic session	:	
(k)	The waiting list shall be activated only on the expiry of date of main list	:	
(l)	The policy of refund of the Fee, in case of withdrawal, shall be clearly notified	:	

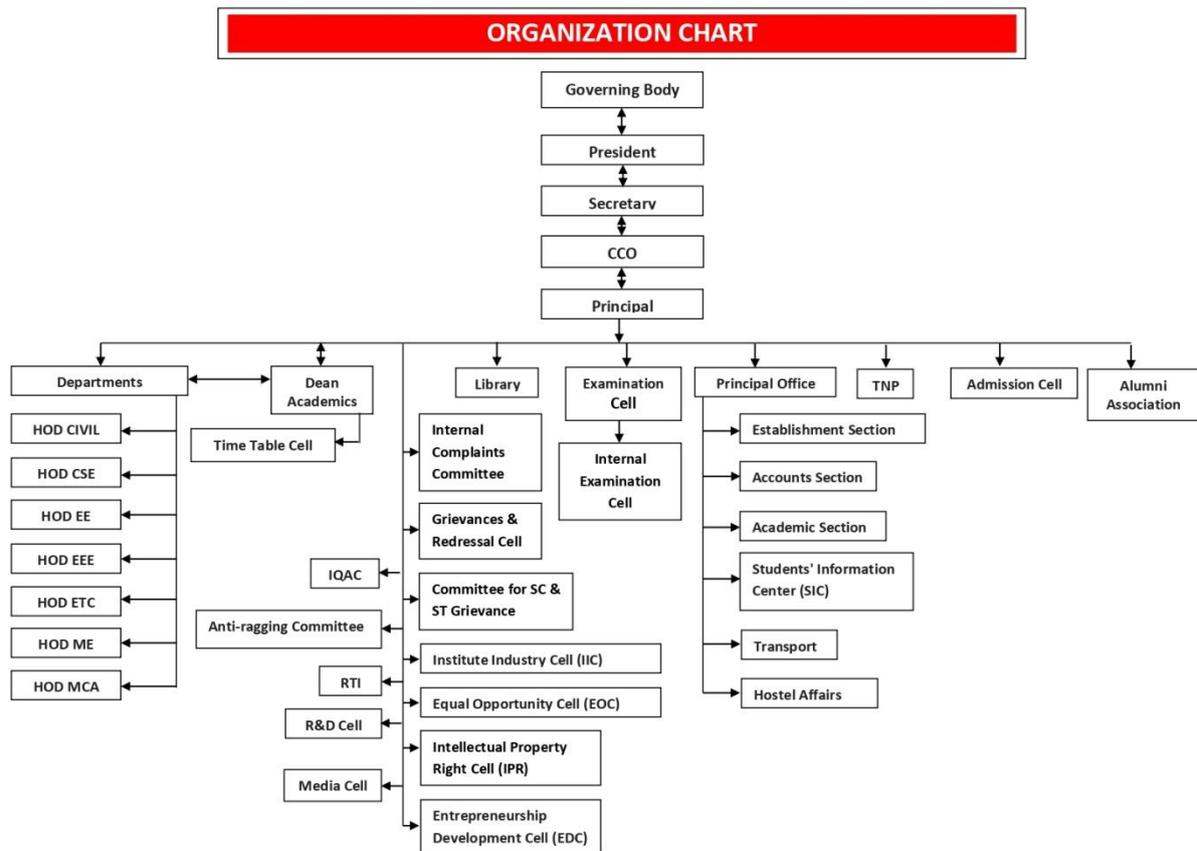
12.	Criteria and Weightages for Admission	:	Through JEE Main & OJEE examination
(a)	Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc	:	
(b)	Mention the minimum Level of acceptance, if any	:	
(c)	Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years	:	
(d)	Display marks scored in Test etc. and in aggregate for all candidates who were admitted	:	

13.	List of Applicants	:	NA
(a)	List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats.	:	
(b)	List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)	:	

14.	Results of Admission Under Management seats/Vacant seat	:	NA
(a)	Composition of selection team for admission under Management Quota	:	
(b)	List of candidate who have been offered admission	:	
(c)	Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate	:	

15.	Information of Infrastructure and Other Resources Available	:																			
(a)	Number of Class Rooms and size of each	:	ANNEXURE-15																		
(b)	Number of Tutorial rooms and size of each	:	ANNEXURE-15																		
(c)	Number of Laboratories and size of each	:	ANNEXURE-15																		
(d)	Number of Computer Centers with capacity of each	:	ANNEXURE-15																		
(e)	Central Examination Facility, Number of rooms and capacity of each	:	ANNEXURE-15																		
(f)	Online examination facility (Number of Nodes, Internet band width, etc.)	:	YES Internet Bandwidth: 100 Mbps																		
(g)	Barrier Free Built Environment for disabled and elderly persons	:	YES, ANNEXURE-16																		
(h)	Fire and Safety Certificate	:	Applied																		
(i)	Hostel Facilities	:	YES																		
(j)	Number of Library books/E-books/Titles/Journals available (Programme-wise)	:																			
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Programme</th> <th>Number of Volumes</th> <th>Number of Titles</th> <th>E-Books</th> <th>Journal Available</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ENGINEERING AND TECHNOLOGY</td> <td>52396</td> <td>4262</td> <td>DELNET</td> <td>DELNET</td> </tr> <tr> <td>2</td> <td>MCA</td> <td>6925</td> <td>365</td> <td>DELNET</td> <td>DELNET</td> </tr> </tbody> </table>	Sr. No.	Programme	Number of Volumes	Number of Titles	E-Books	Journal Available	1	ENGINEERING AND TECHNOLOGY	52396	4262	DELNET	DELNET	2	MCA	6925	365	DELNET	DELNET		
Sr. No.	Programme	Number of Volumes	Number of Titles	E-Books	Journal Available																
1	ENGINEERING AND TECHNOLOGY	52396	4262	DELNET	DELNET																
2	MCA	6925	365	DELNET	DELNET																
(k)	List of online National/International Journals subscribed	:	ANNEXURE-17																		
(l)	National Digital Library (NDL) subscription details	:	http://club.ndl.iitkgp.ac.in/club-home																		
(m)	List of Major Equipment/Facilities in each Laboratory/Workshop	:	ANNEXURE-18																		
(n)	List of Experimental Setup in each Laboratory/Workshop	:	ANNEXURE-19																		
(o)	Innovation Cell	:	YES, ANNEXURE-20																		
(p)	Social Media Cell	:	YES, ANNEXURE-21																		
(q)	Compliance of the Academic Bank of Credit (ABC), applicable to PGCM/ PGDM Institutions and University Department	:	ANNEXURE-22																		
(r)	To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t the courses in the website	:	https://www.youtube.com/watch?v=OI6ragVpSJ8																		
(s)	Games and Sports Facilities	:	YES																		
(t)	Teaching Learning Process	:	YES																		
(u)	For each Post Graduate Courses give the following	:																			
(v)	Title of the Course	:																			
(w)	Laboratory facilities exclusive to the Post Graduate Course	:																			
16.	Enrolment and placement details of students in the last 3years	:	ANNEXURE-23																		
		:																			
17.	List of Research Projects/Consultancy Works	:	NIL																		
		:																			
18.	MoUs with Industries	:	ANNEXURE-24																		
		:																			

Organization Chart:





Seemanta
Engineering College

An ISO Certified Institution, Approved by AICTE, DTET & Affiliated to BPUT and SCTE & VT, Odisha

Letter No. SEC/1293/25

Date 27/09/2025

GRIEVANCE REDRESSAL CELL

Grievance Redressal Cell is revised with the following members.

1. Prof. (Dr.) Prasanta Nayak, Principal, Chairperson
2. Prof. (Dr.) A. K. Sahu, Dean, Academic, Convenor
3. Dr. M. K. Dash, Professor, Dept. of Chemistry, Member
4. Mr. S. K. Dandapat, Associate Prof., Dept. of EEE, Member
5. Dr. Jyotiprava Mohanta, Associate Prof., Dept. of ETC, Member

Prasanta Nayak
27/09/25

Principal

SEC, Mayurbhanj, Jharpokharia

Principal

Memo No. 1294(5) Dt. 27/09/2025
Seemanta Engineering College
Mayurbhanj, Jharpokharia

Copy forwarded to all persons concerned for information and necessary action.

Prasanta Nayak
27/09/25

Principal

SEC, Mayurbhanj, Jharpokharia

Principal

Memo No. 1295 Dt. 27/09/2025
Seemanta Engineering College
Mayurbhanj, Jharpokharia

Copy forwarded to Member, Finance for information.

Prasanta Nayak
27/09/25

Principal

SEC, Mayurbhanj, Jharpokharia

Principal

Seemanta Engineering College
Mayurbhanj, Jharpokharia

Campus : Mayurvihar, Jharpokharia, Mayurbhanj, Odisha, India-757086 | City Office : Baripada, Mayurbhanj

principal@seemantaengg.ac.in | 7381244960 , 9437035120 | www.seemantaengg.ac.in

SEEMANTA ENGG COLLEGE
MAYUR VIHAR, MAYURBHANJ
OFFICE ORDER

No: SEC/ 1080/25

Dated: 12/08/2025

In accordance with the verdict of the apex court, the Anti-Ragging Committee of Seemanta Engg. College for the session 2025-26 has been constituted. The members are as follows:

ANTI-RAGGING COMMITTEE

	<u>CHAIRMAN</u>	<u>CONTACT NO</u>
Prof.(Dr.)P. Nayak	Principal	7849068554
	<u>CONVENER</u>	
Dr. B.N. Kar	Asst.Prof., EE	7978802788
	<u>CO-ORDINATOR</u>	
Prof.(Dr.) A K Sahu	Dean, Academic	9437612637
	<u>MEMBERS</u>	
Prof.(Dr.) M K Dash	HOD, CHEM	9438400980
Er.K.B. Katiar	HOD, ME	8249836851
Er. S.Behera	HOD, CSE	9437218195
Er. S K Dandpat	HOD, EEE	9861012958
Er. P K Senapati	HOD, EE	9437161933
Prof.(Dr.) B K Prusty	Head, Exam	9556180150
Dr. B. Rana	HOD, MCA	9583167302
Er. S. K Ghosh	HOD, ETC	7008541396
Mr. C.S. Giri	Supdt. Boy's Hostel	7008389551
Er.B Nayak	Supdt. Girl's Hostel	9861313381

The members of the cell are to resume their duty with immediate effect and they are requested to be alert during the class time and also during welcome ceremony to prevent any form of ragging on the spot.

Cc: President, GB; All HODs; SIC; All freshers
 & Persons Concerned for Information.

Pranab
 12/08/25
 Principal
 SEEMANTA ENGG. COLLEGE

Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

edugrievance
Online Grievance Redressal System

Certificate of Renewal

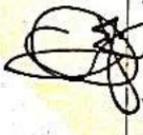
This is to acknowledge and certify that *Seemanta Engineering College, Kandalia, Odisha*.....
..... has renewed the license of EduGrievance - The Online Grievance Redressal System and the same will remain valid till the date of expiry. EduGrievance is an Online Grievance Redressal Mechanism functioning as a platform where students and staff can post and the Grievance Cell Members can dispose of the grievances.

The URL and login details remain unchanged.

URL : *seemantaengg.edugrievance.com*.....

Renewed on : *29 / 11 / 2025*....

Expiry Date : *28 / 11 / 2026*....


Authorized Signatory

orell®

Orell Software Solutions Pvt Ltd.

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Seemanta

Engineering College

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Letter No. SEC/1293/25

Date 27/09/2025

GRIEVANCE REDRESSAL CELL

Grievance Redressal Cell is revised with the following members.

1. Prof. (Dr.) Prasanta Nayak, Principal, Chairperson
2. Prof. (Dr.) A. K. Sahu, Dean, Academic, Convenor
3. Dr. M. K. Dash, Professor, Dept. of Chemistry, Member
4. Mr. S. K. Dandapat, Associate Prof., Dept. of EEE, Member
5. Dr. Jyotiprava Mohanta, Associate Prof., Dept. of ETC, Member

Prasanta Nayak
27/09/25

Principal

SEC, Mayurbhanj, Jharpokharia

Principal

Seemanta Engineering College
Mayurbhanj, Jharpokharia

Memo No. 1294(5) Dt. 27/09/2025

Copy forwarded to all persons concerned for information and necessary action.

Prasanta Nayak
27/09/25

Principal

SEC, Mayurbhanj, Jharpokharia

Principal

Seemanta Engineering College
Mayurbhanj, Jharpokharia

Memo No. 1295 Dt. 27/09/2025

Copy forwarded to Member, Finance for information.

Prasanta Nayak
27/09/25

Principal

SEC, Mayurbhanj, Jharpokharia

Principal

Seemanta Engineering College
Mayurbhanj, Jharpokharia

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Seemanta
Engineering College

Estd. 1997

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Letter No. SEC/1296/25

Date 27/09/2025

INTERNAL COMPLAINTS COMMITTEE (ICC)

The Internal Complaints Committee (ICC) is constituted with the following members with reference to the guidelines of AICTE, New Delhi, vide Prevention, Prohibition and Redressal Act, 2013 (POSH Act) dtd. 09.12.2013.

Name of the Committee Member	Designation	Profession	E-mail Address & Mobile Number
Mrs. Sarojini Sethi	Associate Professor	Presiding Officer	sarojiniseti@seemantaengg.ac.in 09439663733
Prof. (Dr.) M. K. Dash	Professor	Member	manojdash@seemantaengg.ac.in 09438400980
Dr. Suchismita Behera	Assistant Professor	Member	suchismitabehera@seemantaengg.ac.in 09437218195
Dr. Jyotiprava Mohanta	Associate Professor	Member	jyotipravamohanta@seemantaengg.ac.in 09937772122
Miss Sanjukta Basa	Social Activist	Member	sanjuktabasa@gmail.com 09437145692
Mrs. Gitanjali Dandapat	Non-Teaching	Member	gitanjalidandapat@seemantaengg.ac.in 09438020188
Mr. B. K. Katiar	Non-Teaching	Member	binaykatiar@seemantaengg.ac.in 07735338989
Mr. Ashis Kumar Panda	Non-Teaching	Member	akpanda@seemantaengg.ac.in 09861457977
Miss. Adyasha S Bera	Student	Member	adyashabera@seemantaengg.ac.in 09337904877
Mr. Rakshit Ranjan Dhal	Student	Member	rakshitranjandhal@seemantaengg.ac.in 09325084412
Mr. Ghana Shyam Panda	Student	Member	ghanashyampanda@seemantaengg.ac.in 08093858689

Pranik
27/09/25

Principal

SEC, Mayurbhanj, Jharpokharia
Principal

Seemanta Engineering College
Mayurbhanj, Jharpokharia

Memo No. 1297(11) Dt. 27/09/2025

Copy forwarded to all persons concerned for information and necessary action.

Pranik
27/09/25

Principal

SEC, Mayurbhanj, Jharpokharia
Principal

Seemanta Engineering College

Campus : Mayurvihar, Jharpokharia, Mayurbhanj, Odisha, India-757086 | City Office : Baripada, Mayurbhanj

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Letter No. SEC/1704/25

Date 09/12/2025

Internal Complaints Committee (ICC)

Annual Report 2025-26

The Internal Complaints Committee is vigilant about women related cases at Seemanta Engineering College. There were no cases of women related issues like harassment in the academic session 2025-26 due proactive precautionary measures to safeguard the issues related to women.

Ranjit
09/12/25
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

Campus : Mayurvihar, Jharpokharia, Mayurbhanj, Odisha, India-757086 | City Office : Baripada, Mayurbhanj

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Engineering College

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Letter No. SEC/1280/25

Date 23/09/2025

COMMITTEE FOR SC & ST GRIEVANCE

For the disposal of complaints of SC & ST students, a committee is constituted with the following members:

1. Prof. (Dr.) Prasanta Nayak, Principal, Chairperson
2. Mr. P. K. Senapati, Associate Prof., Dept. of EE, Convenor
3. Mr. S. K. Dandapat, Associate Prof., Dept. of EEE, Member
4. Mrs. Sarojini Sethi, Associate Prof., Dept. of ETC, Member
5. Dr. Jyotiprava Mohanta, Associate Prof., Dept. of ETC, Member
6. Mr. Bhagan Hansdah, Asst. Prof., Dept. of CIVIL, Member

The members of the Committee are to resume their duty with immediate effect.

Prasanta Nayak
23/09/25
Principal

SEC, Mayurbhanj, Jharpokharia

Principal
Seemanta Engg. College
Jharpokharia, Mbj.

Memo No. 1281(6) Dt. 23/09/2025

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Prasanta Nayak
23/09/25
Principal

SEC, Mayurbhanj, Jharpokharia

Principal
Seemanta Engg. College
Jharpokharia, Mbj.

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Seemanta

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Letter No. SEC/1292/25

Date 27.09.2025

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Members of IQAC

Chairperson	Prof. (Dr.) Prasanta Nayak, Principal		
Coordinator of the IQAC	Dr Satya Ranjan Sahu, Professor, Dept of ETC		
Teacher's Representatives	Name of Teacher	Designation	Department
	Mr Amit Kumar Mishra	Assistant Professor	CSE
	Mr Kunja Bihari Katiar	Assistant Professor	ME
	Mr Ritesh Kumar Panda	Assistant Professor	ETC
	Mr. Biswajit Parija	Assistant Professor	EE
	Mr Bijay Prasad Saha	Assistant Professor	CSE
	Mr Hemanta Kumar Jena	Assistant Professor	ETC
	Dr. Sanat Kumar Barik	Assistant Professor	EE
	Dr. Saroj Kumar Mohapatra	Associate Professor	EEE
	Mr Bikash Kumar Mohanta	Assistant Professor	CE
	Mr Rajan Subhankar Mohapatra	Assistant Professor	ME
Dr. Biswamitra Rana	Assistant Professor	MCA	
Member(s) of Management	Sri Ardhendu Praharaaj, Member Finance, Governing Body		
Senior Administrative Officer	Dr Binod Kumar Prusty, Professor, Head. Examination Section		
Nominee from Society	Dr. Saroj Kumar Nayak (OES – 1)		
Nominee from the Student	Mr Jipun Kumar Giri, Pre-Final Year, Dept. of CSE, B. Tech		
Nominee from Alumni	Mr Rajiv Kumar Mohanty, THEJO Engg. Limited, Business Development Lead Manager		
Nominee from the Industrialist	Mr Arijit Ghosh, Glory Engineering Concern, Kolkata		
Student Representative	Girls	Ms Monalisa Mahala, Pre-Final Year, Dept. CSE, B. Tech	
	Boys	Mr Biswajit Panda, Pre-Final Year, Dept. ME, B. Tech	

Prasanta Nayak
27/09/25
Signature

Principal, Seemanta Engineering College

Principal
Seemanta Engineering College
Mayurbhanj, Jharkhand

COPY TO: Finance member(s), Dean (Academic), HOD(s), Establishment Section, SIC, forwarded to all persons concerned for information and necessary action

Campus : Mayurvihar, Jharpokharia, Mayurbhanj, Odisha, India-757086 | City Office : Baripada, Mayurbhanj

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Letter No.....

Date

Equal Opportunity Cell (EOC) Members:

Name	Designation	Contact Number	E-Mail
Prof (Dr) Prasanta Nayak	Chairperson	7849068554	principal@seemantaengg.ac.in
Dr. Asit Kumar Patra	Coordinator	9178443643	asitpatra@seemantaengg.ac.in
Mrs. Sarojini Sethi	Member	9439663733	sarojinisethi@seemantaengg.ac.in
Mrs. Puspamitra Rout	Member	9777193353	puspamitrarout@seemantaengg.ac.in
Mr. Girija Prasad Das	Member	9861346982	girijadas@seemantaengg.ac.in
Miss. Sushmita Naik	Member	9337989919	sushmitanaik@seemantaengg.ac.in

ASD
4.3.25
Coordinator, EOC

Prasanta
04/03/25
Chairperson, EOC
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

Branch wise list Faculty Members:

Sl. No.	Name of faculty	Designation	Deptt.	Date of Joining	Qualification
1	Dr. Satya Ranjan Sahu	Prof.	E&TC	16-08-2004	Ph.D.
2	Sarojini Sethi	Asso. Prof	E&TC	20-06-2005	M.Tech
3	Bandana Nayak	Asst. Prof.	E&TC	14-08-2005	M.Tech
4	Girija Prasad Das	Asst. Prof.	E&TC	14-08-2005	M.Tech
5	Debasish Basa	Asst. Prof.	E&TC	10-02-2005	M.Tech
6	Dipanwita Sahu	Asst. Prof.	E&TC	27-08-2006	M.Tech
7	Dr.Jyoti Prava Mohanta	Asso. Prof.	E&TC	06-08-2007	M.Tech
8	Dinesh Kumar Giri	Asst. Prof.	E&TC	11-08-2007	M.Tech
9	Kalpana bhuiyan	Asst. Prof.	E&TC	12-11-2007	M.tech.
10	Sujit Kumar Mohanta	Asst. Prof.	E&TC	21-08-2008	M.Tech
11	Hemanta Kumar Jena	Asst. Prof.	E&TC	21-08-2008	M.Tech
12	Syhama Kinkar Ghosh	Asst.Prof.	E&TC	19-08-2008	M.tech
13	Ritesh Kumar Panda	Asst. Prof.	E&TC	18-11-2010	M.Tech
14	Dr. Satyajeit Pattnaik	Prof.	CSE	26-02-2010	Ph.D.
15	Dr. Suchismita Behera	Asst. Prof.	CSE	20-06-2005	M.Tech
16	Bijay Prasad Saha	Asst. Prof.	CSE	27-08-2006	M.Tech
17	Amit Kumar Mishra	Asst. Prof.	CSE	18-09-2007	M.Tech
18	Deepkia Jana	Asst. Prof.	CSE	12-11-2007	M.Tech
19	Samir Kumar Behera	Asst. Prof.	CSE	19-09-2007	M.tech
20	Manoj Kumar Nayak	Asst. Prof.	CSE	18-02-2008	M.Tech
21	Chandan Kumar Giri	Asst. Prof.	CSE	01-12-2023	M.Tech
22	Subhasmita Pani	Asst. Prof.	CSE	01-12-2023	M.Tech
23	Ananya Smruti Snigdha Ojha	Asst. Prof.	CSE	01-12-2023	M.Tech
24	Swarup Kumar Dandapat	Asso. Prof	EEE	19-08-1998	M.Tech
25	Dr. Deepak Kumar Moharana	Asst.Proff	EEE	14-08-2008	M.Tech.
26	Rajib Kumar Sahu	Asst. Prof.	EEE	14-08-2008	M.Tech
27	Dr. Saroj Kumar Mohapatra	Prof.	EEE	09-11-2008	Ph.D.
28	Subhashree Das	Asst. Prof.	EEE	27-08-2006	M.Tech
29	Dr.Kanka Goswami	Prof.	ME	02-05-2024	Ph.D.
30	Dayarda Ranjan Giri	Asst. Prof.	ME	01-12-2023	M.Tech
31	Mahendra Nath Mohanta	Asso. Prof.	ME	09-01-1999	M.Tech
32	Dr. Prasanta Nayak	Prof.	ME	09-02-2000	Ph.D.
33	Jayanta Kumar Dash	Asst. Prof.	ME	08-12-2006	M.Tech
34	Kunja Bihari Katihar	Asst. Prof.	ME	01-11-2007	M.Tech
35	Bikash Ranjan Ghosh	Asst. Prof.	ME	08-12-2010	M.Tech.
36	Sukumar Dandapat	Asst.Prof.	ME	01-12-2023	M.Tech.
37	Nihar Ranjan Mohanta	Asst. Prof.	ME	01-12-2023	M.Tech.
38	Shibadatta Mohanty	Asst. Prof.	ME	01-12-2023	M.Tech.
39	PRASANTA BARDHAN	PoP	ME	02-06-2025	Ph.D.
40	SUPRAKASH PATRA	PoP	ME	02-06-2025	Ph.D.
41	Rajan Subhankar Mohapatra	Asst. Prof.	ME	01-09-2018	M.Tech
42	Ankit Mohanta	Asst. Prof.	ME	04-02-2019	M.Tech
43	Pravas Kumar Senapati	Asso. Prof.	EE	30-07-2006	M.Tech
44	Dr. Binod Kumar Prusty	Prof.	EE	06-10-2004	Ph.D

45	Biswajit Parija	Asst.Prof	EE	29-11-2022	M.Tech
46	Saroj Kumar Panigrahi	Asst.Prof	EE	31-01-2003	M.E
47	Sasmita Pattanaik	Asst.Prof	EE	25-11-2022	M.Tech
48	Dr. Ramakanta Jena	Prof.	EE	14-08-2005	Ph.D.
49	Dr. Sanat Kumar Barik	Asst.Prof.	EE	30-07-2006	Ph.D.
50	Dr. Asit Kumar Patra	Asso. Prof.	EE	14-08-2005	Ph.D.
51	Dr. Biranchi Narayan Kar	Asso.Prof.	EE	08-08-2006	Ph.D.
52	Bibhuti Bhusan Giri	Asst.Prof.	EE	01-12-2023	M.Tech
53	Dr. Goutam Bairagi	Prof.	Civil	02-05-2024	Ph.D.
54	Bhabatosh Behera	Asso. Prof.	Civil	19-08-1998	M.Tech
55	Sulagna Das	Asst. Prof	Civil	11-12-2023	M.Tech
56	Bikash Kumar Mohanta	Asst. Prof.	Civil	01-08-2017	M.Tech
57	Satyajit Naik	Asst. Prof	Civil	01-08-2017	M.Tech
58	Bhagan Hansdah	Asst. Prof	Civil	02-12-2024	M.Tech
59	Abhilash Mohapatra	Asst. Prof	Civil	02-12-2024	M.Tech
60	Amrita Mohapatra	Asst. Prof	Civil	01-09-2025	M.Tech
61	Ajay Behera	Asst. Prof	Civil	01-09-2025	M.Tech
62	Dr. Manas Ranjan Pani	Prof.	MCA	08-06-2007	Ph.D
63	Rajeeb Kar	Asst. Prof	MCA	06-08-2009	M.Tech
64	Deepak Kumar Rath	Asst. Prof	MCA	25-11-2020	M.Tech
65	Dr. Bishwamitra Rana	Asst. Prof	MCA	24-11-2020	Ph.D
66	Dr. Ajit Kumar Sahu	Prof.	Phy	01-01-1997	Ph.D.
67	Dr. Goutam Das	Prof.	Phy	02-01-1962	Ph.D.
68	Sk. Mahashin Ali	Asst.Prof	Phy	06-08-2007	M.Sc.
69	Suman Jena	Asst.Prof	Phy	19-08-2025	M.Sc.
70	Dr. Manoj Kumar Dash	Prof.	Chem	01-12-1997	Ph.D.
71	Sourav Kumar Panda	Asst.Prof	Chem	17-02-2021	M.Sc.
72	Chandra Sekhar Giri	Asst. Prof	Math	06-09-2008	M.Sc.
73	Saumya Ranjan Das	Asst. Prof	Math	03-01-2020	M.Sc.
74	Rashmi Behera	Asst. Prof	Math	24-11-2022	M.Sc
75	Dr. Sasadhar Kalia	Prof.	English	22-11-1999	Ph.D.
76	Dhiren Kumar Pradhan	Asst. Prof.	English	19-08-2008	MA in English
77	Puspamitra Rout	Asst. Prof.	English	01-12-2022	MA in English
78	Pujasmita Sahu	Asst. Prof.	English	10-09-2024	MA in English
79	Ananda Sankar Mohapatra	Asso. Prof.	Management	01-09-2003	M.Com

Faculty and Student Ratio:

Degree	Department	Specialization being offered by the Department (with AICTE/ BPUT)		No. of Faculty Members available in the Department on full-time basis			No. of faculty ratified by University
		Specialization	Intake	Prof.	Assoc Prof.	Asst Prof.	
B. TECH	E&TC		60	1	2	10	13
	CSE		60	1	0	9	10
	EEE		30	1	1	3	5
	ELE		60	1	2	4	7
	CIVIL		60	1	1	7	9
	ME		120	1	2	8	11
M.TECH	ELE	POWER SYSTEM	18	1	1	1	3
	ME	PRODUCTION	18	1	1	1	3
MCA	MCA		60	1	0	3	4
	MATH			0	0	3	3
	ENG.			1	0	3	4
	CHE.			1	0	1	2
	PHY.			2	0	2	4
	MGM			0	1	0	1

**GOVERNMENT OF ODISHA
SKILL DEVELOPMENT AND TECHNICAL EDUCATION DEPARTMENT**

NOTIFICATION

Bhubaneswar, dated the 27th July, 2018

Subject: Revision of Fee Structure of Technical Professional Colleges / Institutions.

No. ETET- TT-I-ITTI-0023-2014 3512 /SDTE, In exercise of power conferred on Government under sub-section - 7 of Section - 6 and other provisions of the Odisha Professional Educational Institutions (Regulation of Admission & Fixation of Fee) Act, 2007 and basing on the recommendation of the Fee Structure Committee constituted in terms of interim order of Hon'ble Supreme Court dated 1st June, 2007 in Special Leave Petition (Civil) No.(s) 10318, 10319, 10329 and 10330 of 2007, Government have been pleased to revise the fee structure of the following Professional / Technical Colleges as detailed below to be implemented w.e.f. academic session 2018-19.

(A) Fees Structure for Engineering Colleges:

1. Whose fees were last revised in the Academic Year 2012-13.

Sl. No.	Name of Private Engineering Colleges	Name of the course	Previous fee structure fixed during academic session 2012-13	Fee Structure prescribed by the Government w.e.f. academic session 2018-19
1	Adarsa Engineering College, Angul.	B.Tech	45,000/-	48,000/-
2	Aryan Institute of Engineering & Technology, At-Barakuda, Po-Panchagan, Bhubaneswar, Khurda-752052.	B.Tech	63,000/-	63,000/-
3	Bhubaneswar Institute of Technology Info Valley, Bhubaneswar.	B.Tech	54,000/-	54,000/-

33	Synergy Institute of Engineering and Technology, Banamali Prasad, N.H-55 By-pass, Dhenkanal-759001.	B.Tech.	Rs.70,000/-	Rs.70,000/- + Rs.4,000/- (NAAC-'B') Rs.74,000/-
		M. Tech	Rs.77,000/-	Rs.81,000/-
34	Trident Academy of Technology, Plot No.F-2A, In front of Infocity, Chandaka Industrial Estate, Chandrasekharapur, Bhubaneswar-751024.	B.Tech.	Rs.75,000/-	Rs.82,000/- +Rs.5,000/- Rs.87,000/- ETC & CSE for NBA & Rs.86,000/- for other branches
35	TempleCity Institute of Technology and Engineering, Plot No.F/12, IIT Centre, Knowledge Campus, Barunei, Khurda-752057	B.Tech.	Rs.69,000/-	Rs.69,000/-
		M. Tech	Rs.76,000/-	Rs.76,000/-
36	Capital Engg. College, Khurda	B.Tech.	Rs.59,000/-	Rs.59,000/-
37	Sundargarh Engineering College, Sundargarh - 77073	B.Tech.	Rs.45,000/-	Rs.45,000/-
38	Bhadrak Institute of Engineering & Technology, AT/PO- Barapada, Bhadrak.	B.Tech.	Rs.55,000/-	Rs.55,000/-
39	G.K. College of Engineering & Technology, Koraput.	B.Tech.	Rs.45,000/-	Rs.45,000/- +Rs.3,000/- Rs.48,000/-
40	Gandhi Institute of Advanced Computer & Research, Rayagada. (Formerly IACR)	B.Tech.	Rs.52,000/-	Rs.52,000/-
41	Jagannath Institute of Engineering and Technology, Jagatpur, Cuttack.	B.Tech.	Rs.46,000/-	Rs.46,000/-
42	Satyasai Engineering College, Balasore.	B.Tech.	Rs.52,000/-	Rs.52,000/-
43	Seemanta Engg. College, Jharpokhiria, Mayurbhanj	B.Tech.	Rs.55,000/-	Rs.55,000/-

26	Gayatri Institute of Computer and Management Studies (GICMS), GYAN VIHAR AT : REGEDA PO: GUNUPUR DIST: RAYAGADA (ODISHA) PIN - 765022	MCA	Rs.40,000/-	Rs.40,000/-
27	Indian Institute of Science & IT, Bhubaneswar	MCA	Rs.55,000/-	Rs.55,000/-
28	Gandhi Institute of advanced Computer and Research, Rayagada.	MCA	Rs.55,000/-	Rs.55,000/-
29	Regional College of Management, Bhubaneswar.	MCA	Rs.55,000/-	Rs.55,000/-
30	Rourkela Institute of Management Studies, Rourkela.	MCA	Rs.55,000/- Rs.5,000/- (NAAC-'A') Rs.60,000/-	Rs.55,000/-
31	Seemanta Engineering College, MAYURBHANJ AT- MAYURVIHAR, VILLAGEJAUNTI, PO.- JHARPOKHARIA, MAYURBHANJ, PIN- 757086	MCA	Rs.55,000/-	Rs.55,000/-
32	Tapaswini Institute of I.T. Rourkela.	MCA	Rs.43,000/-	Rs.43,000/-
33	Bhubaneswar Engineering College, Bhubaneswar.	MCA	Rs.30,000/-	Rs.30,000/-
34	Indus College of Engineering, BARAKUDA HEIGHT BHUBANESWAR PIN- 752050	MCA	Rs.30,000/-	Rs.30,000/-
35	Koustuv Institute of Self-Domain,	MCA	Rs.67,000/-	Rs.67,000/-

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2025-26

Extension of Approval (EoA)

F.No. Eastern/1-44640231688/2025/EOA

Date of Approval: 20-Mar-2025

To,

Sub: Extension of Approval for the Academic Year 2025-26

Ref: Online application of the Institution submitted for Extension of Approval for the Academic Year 2025-26

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education), Powers delegated in AICTE ACT 1987, (No 52 of 1987) chapter II - u/s 2(g) to regulate Technical and subsequent Regulations of AICTE, I am directed to convey the approval to:

Permanent Id	1-10787922	Application Id	1-44640231688
Name of the Institution	SEEMANTA ENGINEERING COLLEGE, MAYURBHANJ	Name of the Society/Trust	SEEMANTA MAHAVIDYALAYA SAMITI
Institution Address	AT- MAYURVIHAR, VILLAGE- JAUNTI, PO.-JHARPOKHARIA, MAYURBHANJ, PIN-757086., BARIPADA, MAYURBHANJ, Odisha, 757086	Society/Trust Address	AT-JHARPOKHARIA PO-JHARPOKHARIA DIST- MAYURBHANJ AT- JHARPOKHARIA, BARIPADA, MAY URBHANJ, Orissa, 757086
Institution Type	Private-Self Financing	Region	Eastern
Year of Establishment	1997		

To conduct following Programs/Courses with the Intake indicated below for the Academic Year 2025-26

Application No:1-44640231688

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Note: This is a Computer generated Report. No signature is required.

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Page 1 of 5

Letter Printed On:4 April 2025

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2024-25	Intake Approved for 2025-26	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
DIPLOMA	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Directorate of Technical Education & Training, Odisha	60	60	No	No
DIPLOMA	ENGINEERING AND TECHNOLOGY	ELECTRICAL ENGINEERING	Directorate of Technical Education , Odisha	60	60	No	No
DIPLOMA	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Directorate of Technical Education & Training, Odisha	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Biju Patnaik University of Technology, Bhubaneswar	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	Biju Patnaik University of Technology, Bhubaneswar	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL AND ELECTRONICS ENGINEERING	Biju Patnaik University of Technology, Bhubaneswar	30	30	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL ENGINEERING	Biju Patnaik University of Technology, Bhubaneswar	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Biju Patnaik University of Technology, Bhubaneswar	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Biju Patnaik University of Technology, Bhubaneswar	120	120	No	No
POST GRADUATE	COMPUTER APPLICATIONS	MASTERS IN COMPUTER APPLICATIONS	Biju Patnaik University of Technology, Bhubaneswar	30	30	No	No
POST GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL ENGINEERING	Biju Patnaik University of Technology, Bhubaneswar	18	18	No	No

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2024-25	Intake Approved for 2025-26	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
POST GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Biju Patnaik University of Technology, Bhubaneswar	18	18	No	No

All AICTE approved Institutions are empowered to nurture ecosystems for Skilling (through Vocational courses) via making effective use of existing infrastructure facilities and human resources.

It is mandatory to comply with all the essential requirements as given in APH 2024-27 (Chapter-VI)

Important Instructions

1. As per mandatory Disclosure of APH 2024-27(Annexure-18, page180) Institutions must disclose the following information submitted to Council at the Prominent location on its website.
 - i. Department wise availability of Infrastructure along with approved courses and intake approved by the Council.
 - ii. Faculty details: Department wise: Name& Designation of the faculty members/teaching staff along with their qualification, tenure of service in your organization, total experience, Institution should also disclose Student Faculty Ratio, Cadre Ratio.
 - iii. Additionally Audited Financial Statements for last 3 Financial years.
2. Reservation Policy of the Central Government (Including EWS) / Respective State Government/ UT as the case shall be applicable to all the Programmes. The concerned State Government/ UT Admission authority shall decide Modalities of Admission.
3. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2024-25 to 2027 for the Total Approved Intake.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the **Executive Council / General Council as available on the record of AICTE shall be final and binding.**
5. All AICTE institutions are highly encouraged to get NBA/NAAC accreditation. All eligible AICTE institutions are thoroughly encouraged to participate in NIRF ranking process.
6. Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.
7. AICTE Approved Institutes are encouraged to utilize SWAYAM PLUS Courses up-to 40%
8. Internship is mandatory for all admitted students.
9. AICTE Approved Institutes are encouraged to make efficient use of the flagship schemes like:
 - a. Parakh: Student Gap analysis portal bases services.
 - b. Students Scholarship schemes like Pragati, Saksham, Swanath, ADF, etc.
 - c. Course in Indian Languages.
 - d. ATAL FDPs: Faculty training for Emerging areas and cutting edge Technologies.
 - e. Augmenting Utilization of Research Assets (AURA).
 - f. Smart India Hackathon: World's largest Open Innovation Platform.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, Odisha**
2. **The Registrar**,
Biju Patnaik University Of Technology, Bhubaneswar**
3. **The Principal / Director,
SEEMANTA ENGINEERING COLLEGE, MAYURBHANJ
At- Mayurvihar, Village- Jaunti, Po.-Jharpokharia, Mayurbhanj, Pin-757086.,**

Application No:1-44640231688

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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Page 4 of 5

Letter Printed On:4 April 2025

Baripada,Mayurbhanj,
Odisha,757086

4. **The Secretary / Chairman,**
AT-JHARPOKHARIA
PO-JHARPOKHARIA
DIST- MAYURBHANJ

AT-JHARPOKHARIA
BARIPADA,MAYURBHANJ
Orissa,757086

5. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, a consolidated list of Approved Institutions(bulk) may be downloaded from the respective login id's.

This is a computer generated Statement. No signature Required



BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA, ROURKELA

(An Affiliating State University of Govt. of Odisha)

No. BPUT/ Affl./201/.....4514.....

Date : 07-07-2025

To

The Principal / Director,
Seemanta Engineering College,
Mayurbhanj,
At:Mayurvihar, Village:Jaunti,
Po:jharpokharia, Mayurbhanj, Pin-757086

Sub : Grant of Provisional Affiliation for the Academic Year 2025-26.

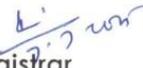
Sir,

I am to inform you that on the basis of your application for continuation of affiliation for the Year 2025-26 and as per recommendation of the Affiliation Committee of the University, **Provisional Affiliation** is hereby granted to your college for the **UG/PG programme** with the following disciplines and intake capacity as mentioned against each discipline for the academic session **2025-26**.

Sl. No	Courses	Approved Intake For 2025-26	Level
1.	Electronics and Telecommunication Engineering	60	UG
2.	Computer Science and Engineering	60	UG
3.	Electrical Engineering	60	UG
4.	Mechanical Engineering	120	UG
5.	Civil Engineering	60	UG
6.	Electrical and Electronics Engineering	30	UG
7.	Master in Computer Applications	30	PG
8.	Electrical Engineering	18	PG
9.	Mechanical Engineering	18	PG

The above affiliation is provisional and it is subject to review and fulfilment of conditions laid down by the University. Deviation from the declaration given along with your affiliation form may lead to withdrawal of affiliation.

Yours faithfully,


Registrar

Memo No.4515..... Date : 07-07-2025

Copy to

1. The Additional Secretary to Government, SDTE Department, Government of Odisha for kind information.
2. The Chairman, JEE, Odisha for information and necessary action.


Registrar

10. (b) Number of Students admitted under various categories each year in the last three years :

Sl. No.	Discipline	2025-29	2024-28	2023-27	2022-26	Total
1	Civil Engineering	33	66	64	66	229
2	Computer Science & Engineering	58	70	70	66	264
3	Mechanical Engineering	47	130	129	115	421
4	Electrical Engineering	28	70	68	62	228
5	Electronics & Telecommunication Engineering	26	33	28	15	102
6	Electrical & Electronics Engineering	05	34	28	27	94
7	MCA	36	34			70
8	Electrical Engineering (M.Tech)	2	6			8
9	Mechanical Engineering (M.Tech)	3	2			5
10	Electrical Engineering (Diploma)	63	70	67		200
11	Mechanical Engineering (Diploma)	63	68	66		197
12	Civil Engineering (Diploma)	63	63	52		178
Grand Total						1996

Information of Infrastructure and Other Resources Available:

B.Tech	Available Rooms	Available Area
Class Rooms	31	2400.00 sq.mt.
Tutorial Rooms	7	500.00 sq.mt.
Laboratory	52	5642.43 sq.mt.
Workshop (all courses)	1	202 sq.mt
Additional Workshop for <i>Category 'X' courses</i>	1	902 sq.mt
Computer Center	2	228.9 sq.mt.
Drawing Hall	2	251.48 sq.mt.
Library & Reading Room	2	893.71 Sq.mt.
Seminar Halls	2	229.14 sq.mt.
M.Tech		
Class Rooms	6	451.02 sq.mt.
Laboratory	4	202 sq.mt
Research Laboratory	2	101 sq.mt.
Computer Center	1	101 sq.mt.
Library & Reading Room	1	101.05 sq.mt.
Seminar Halls	2	101 sq.mt.
MCA		
Class Rooms	3	225.06 sq.mt.
Tutorial Rooms	1	79 sq.mt.
Computer Center	1	95.25 sq.mt.
Library & Reading Room	1	101.05 sq.mt.
Seminar Halls	1	101.05sq.mt.
Diploma		
Class Rooms	8	564.1073sq.mt.
Tutorial Rooms	2	141.0268sq.mt.
Laboratory	10	942.96586sq.mt.
Workshop (all courses)	1	202 sq.mt
Additional Workshop for <i>Category 'X' courses</i>	1	902 sq.mt
Computer Center	1	67.308252sq.mt.
Drawing Hall	2	151.7107sq.mt.
Library & Reading Room	1	123.9327Sq.mt.
Seminar Halls	1	145.4862sq.mt.

BARRIER FREE ENVIRONMENT




Principal
Seemanta Engineering College,
Mayurbhanj



Seemanta
Engineering College

An ISO Certified Institution, Approved by AICTE, DTET & Affiliated to BPUT and SCTE & VT, Odisha

Letter No. Sec/914/25

Date 10/06/2025

UNDERTAKING

This is to certify that Seemanta Engineering College, Mayurvihar, Jharpokharia, Mayurbhanj, Odisha - 757086 has not subscribed to any National Journals in the last academic session.

Prank
10/06/25

Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

Campus : Mayurvihar, Jharpokharia, Mayurbhanj, Odisha, India-757086 | City Office : Baripada, Mayurbhanj

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Seemanta
Engineering College

An ISO Certified Institution, Approved by AICTE, DTET & Affiliated to BPUT and SCTE & VT, Odisha

Letter No. *SEC/915/25*

Date *10/06/2025*

UNDERTAKING

This is to certify that Seemanta Engineering College, Mayurvihar, Jharpokharia, Mayurbhanj, Odisha - 757086 has not subscribed to any International Journals in the last academic session.

Prank
10/06/25
Principal
Seemanta Engineering College
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Department Data for List of Major Equipment Available / Facilities in each Laboratory / Workshop

COMPUTER SCIENCE & ENGINEERING

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1.	LAB - 01	PC [HDD 360 Gb/500 GB, RAM 2 Gb, Monitor 19", Keyboard, Mouse, DUAL CORE Processor, USB 2	Software: 1. Operating System – [Linux] 2. C Compilers & IDEs: o GCC (GNU Compiler Collection) o Turbo C++ (for legacy support) o Code::Blocks o Dev-C++ o Microsoft Visual Studio Code 3. Debugging Tools – GDB (GNU Debugger) 4. Version Control – Git, GitHub (for project collaboration) 5. Other Utilities – Notepad++, Sublime Text, Terminal/Command Prompt	24 no.
			AC (1 TONN)– 3 no. FAN -- 07 Internet- 100 mbps	3 no. 7 no.
			UPS -7.5 KVs – 1 no 7.0 KVs—1 no	2no.
2.			Projector	1 no.
3.	Lab - 02	PC [HDD 360 Gb/500 GB, RAM 2 Gb, Monitor 19", Keyboard, Mouse, DUAL CORE Processor, USB 2	Software: 1. Operating System – [Linux] 2. C Compilers & IDEs: o GCC (GNU Compiler Collection) o Turbo C++ (for legacy support) o Code::Blocks o Dev-C++ o Microsoft Visual Studio Code 3. Debugging Tools – GDB (GNU Debugger) 4. Version Control – Git, GitHub (for project collaboration) 5. Other Utilities – Notepad++, Sublime Text, Terminal/Command Prompt	39 nos
			AC (1 TONN)– 3 no. FAN -- 05 Internet- 100 mbps UPS -6.5 KVs – 1 no	03 05 01

4.	LAB -- 04	PC [HDD 360 Gb/500 GB, RAM 2 Gb, Monitor 19", Keyboard, Mouse, DUAL CORE Processor, USB 2	Software: 6. Operating System – [Linux] 7. C Compilers & IDEs: o GCC (GNU Compiler Collection) o Turbo C++ (for legacy support) o Code::Blocks o Dev-C++ o Microsoft Visual Studio Code 8. Debugging Tools – GDB (GNU Debugger) 9. Version Control – Git, GitHub (for project collaboration) 10. Other Utilities – Notepad++, Sublime Text, Terminal/Command Prompt	26 nos
			AC (1 TONN) FAN Internet- 100 mbps UPS -15 KVs	3 nos 2 nos 01 nos
5.	LAB --0 5	PC [HDD 360 Gb/500 GB, RAM 2 Gb, Monitor 19", Keyboard, Mouse, DUAL CORE Processor, USB 2	Software: 11. Operating System – [Linux] 12. C Compilers & IDEs: o GCC (GNU Compiler Collection) o Turbo C++ (for legacy support) o Code::Blocks o Dev-C++ o Microsoft Visual Studio Code 13. Debugging Tools – GDB (GNU Debugger) 14. Version Control – Git, GitHub (for project collaboration) 15. Other Utilities – Notepad++, Sublime Text, Terminal/Command Prompt	30 nos
			AC (1 TONN) FAN Internet- 100 mbps UPS -15 KVs	3 nos 4 nos 1 no

ELECTRICAL ENGINEERING

Sl. No.	Name of the Laboratory	List of Major Equipment and Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	BASIC ELECTRICAL ENGINEERING LABORATORY	DC series motor (3HP) with control panel.	01
2		DC Shunt Motor (3HP) with control Panel.	01
3		DC M/G set (Motor- 3HP) (Gen – 2kw) with control Panel.	01
4		Single Phase, 1HP Induction Motor (CSCR).	01
5		AC universal Motor (0.25KW)	01
6		3 point starter (DC)	02

7		Filed Regulator	02
8		Single Phase 2KVA Transformer	01
9		1 Θ Variac (Autotransformer)	03
11		Inductive Load (1 Θ)	01
12		Capacitive Load (V)	01
13		Resistive Load (1 Θ)	02
14		Single Phase Energy Meter	01
15		D.O.L starter.	01
16		Double Tube Rheostat (750 Ω , 2A)	01
17		Double Tube Rheostat (50 Ω , 10A)	01
18		Single Tube Rheostat (200 Ω , 2A)	01
19		1 Θ House Wiring Demo Board.	01
20		Double Tube Rheostat (100 Ω , 5A)	01
21		1 Θ AC voltmeter (0-600V)	01
22		1 Θ AC voltmeter (0-300V)	01
23		1 Θ AC ammeter (0-30A)	01
24		1 Θ AC ammeter (0-02A)	01
25		1 Θ watt meter (0-3000w)	02
26		Sq. Cage induction motor 3 Θ , 1HP.	01
27		Electric Heter 1500 watt	01
28		PVC Chair	13
29		'S' Chair	05
30		Sitting Desk	03
31		Ply Table	01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	Power System Lab.	IDMT over-current relay		1
		IDMT over-voltage relay		1
		IDMT under-voltage relay		1
		Negative sequence relay		1
		%Biased different relay		1
	Control System	CRO-2 MULTIMETER-2 VOLTMETER-1 AMMETER-1 ENERGY METER-1 PATCH CHORD-50 POWER CHORD- 10	AC (1.5 Ton)-2 No	67

Sl. No.	Name of The Laboratory	List of Experimental Setup in each Laboratory

1	ELECTRICAL MACHINE -2	AIM -1 Determination of the voltage regulation of an alternator by synchronous impedance method and zero power factor (zpf) method																																																		
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6	AIM-Study of parallel operation of two alternators				
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	1				
	APPARATUS REQUIRED				
	s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY
	1	Ammeter	A.C/MI	(0-10A),(0-5A),(0-5A)	1+1+1
	2	Voltmeter	A.C/MI	(0-600)V,	1+1
	3	Ammeter	D.C	(0-2A)	1+1
	4	Three point starter	---	-----	1+1
	5	Field regulator	----	100Ohm,5A	1+1
	6	Rheostat		100Ohm,5A	1+1
	7	Three phase load box	---	-----	1
	8	Synchronizing penal board	HZ,PHA,SY -scope		1
9	T.P.S.T	--	--	1	
10	Tachometer	Digital contact type			
11	Connecting wires		3/22 S.W.G,Cu		
12	Tester,cutter,plier			1 each	
7	AIM -Measurement of direct and quadrature axis reactance of a salient pole synchronous machine by Slip test				
	MACHINE SPECIFICATION				
	Sl. No	NAME OF MACHINE SPECIFICATON			
	1	THREE PHASE SYNCHRONOUS GENERATOR 3KVA, 415V, 4 amp.50 .Hz SPEED1500rpm			
	2	D.C DHUNT MOTOR 5 HP , 220V , 1800 A, 1500 rpm			
	APPARATUS REQUIRED				
	s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY
	1	Ammeter	A.C/MI	(0-10A)	1
	2	Voltmeter	A.C/MI	(0-600)V,(0-150V)	1+1
	3	Three phase variac	A.C	(0-415V/470),28A,1KVA	1
3	Three point starter	---	-----	1	
4	Field regulator	----	100Ohm,5A	1	
4	Tachometer	Digital contact type			
5	Connecting wires		3/22 S.W.G,Cu		
6	Tester,cutter,plier			1 each	
8	AIM-Measurement of transient and sub transient reactance of a salient pole alternator				
	Sl. No	NAME OF MACHINE	SPECIFICATON		

			1	Three phase synchronous generator	3KVA, 415V, 4 amp. 50 .Hz SPEED1500rpm		
			2	D.C DHUNT MOTOR	5 HP , 220V , 1800 A, 1500 rpm		
		APPARATUS REQUIRED					
			s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY
			1	Ammeter	A.C/MI	(0-10A)	1
			2	Voltmeter	A.C/MI	(0-600)V,(0-150V)	1
			3	Three phase variac	A.C	(0-415V/470),28A,1KVA	1
			3	Three point starter	---	-----	1
			4	Field regulator	----	100Ohm,5A	1
			4	Tachometer	Digital contact type		
			5	Connecting wires		3/22 S.W.G,Cu	
			6	Tester,cutter,plier			1 each
9		Determination of parameters of three phase induction motor from No Load Test and Blocked Rotor Test					
			Sl. No	NAME OF MACHINE	SPECIFICATON		
			1	Three phase Induction motor	5HP.,415V,6A, 3-PHASE RAM SON &SON		
		APPARATUS REQUIRED					
			s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY
			1	Ammeter	A.C/MI	(0-5A),(0-15A)	2
			2	Voltmeter	A.C	(0-300)V,(0-50V)	1+1
			3	Three phase variac	A.C	(0-415V/470),28A	1
			3	Wattmeter	A.C	2.5A,10A,1500W	2
			4	Tester,cutter,plier			1each
			5	Connecting wires		3/22 S.W.G	

Sl. No.	Topic as per BPUT syllabus	List of Major Equipment	Facilities in electrical machine 1 Laboratory	No. of Equipment(s)
1	Determination of Efficiency and Voltage Regulation by Open Circuit and Short Circuit test on single phase transformer.	SINGLEPHASE TRANSFORMER 1KVA 110/220V	Experimental Setup FOR THE EXPERIMENT WITH PANAL BOARD AND MEASURING INSTIMENYS	1
2	Parallel operation of two single phase transformers	SINGLE PHASE TRANSFORMER 1KVA 110/220V	DO	2
3	Back-to Back test on two single phase transformers	SINGLE PHASE TRANSFORMER 1KVA	DO	2
4	Study of open delta and Scott connection of two single phase transformers	SINGLE PHASE TRANSFORMER 1KVA 110/220V	DO	2

5	No load test of d.c shunt generator	DC SHUNT MOTOR COUPLED WITH SHUNT GENERATOR SET RAM SON &SON 3 HP DC MOTOR WITH 2KW DC GENERATOR- RECTIFIER UNIT IN PUT - 3 PHASE 415V OUT PUT 220 D.C100A	DO	1+1
6	speed control of d.c motor by using armature control and field control method	1-D.C SHUNT MOTOR 3HP,18A,220V.1500RPM RAM SON &SON 2-RECTIFIER UNIT IN PUT - 3 PHASE 415V OUT PUT 220 D.C100A	DO	1+1
7	Determination of parameters of three phase induction motor from No Load Test and Blocked Rotor Test..	of three phase induction moto 5HP.,415V,6A, 3-PHASE RAM SON &SON	DO	1
8	Load test of d.c shunt generator	DC SHUNT MOTOR COUPLED WITH SHUNT GENERATOR SET RAM SON &SON 3 HP DC MOTOR WITH 2KW DC GENERATOR- RECTIFIER UNIT IN PUT - 3 PHASE 415V OUT PUT 220 D.C100A	DO	1+1

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	EEPC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	1.Thevenins Theorems study trainer	Power supply to each specified expt. Table	2
		2 .Superposition Theorems study trainer		2
		3.Norton Theorems study trainer		2
		4 .Maximum power transfer Theorems study trainer		2
		5 .two port network parameters study trainer		1
		6 .low pass , high pass and band pass filters study trainer		1
		7 .R-L-C series and parallel resonanc study trainer		1

		8 . for R-L, R-C & R-L-C ckt. Transients response study trainer		1
		9. Tuned coupled ckt. study trainer		1
		10. Regulated dc power supply		2
		11 . Digital multimeter		4
		12. Function Generator		2

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Works hop	No. of Equipment(s)
1	Electric Power Transmission and Distribution Laboratory Course Code: REL5C201	1.AC DISTRIBUTION SIMULATOR MODULE 2.IMPROVEMENT OF POWER FACTOR USING SWITCHED CAPACITOR KIT 3. Determination of String efficiency MODULE 4.MEGGER KIT		1.AUTOTRANSFORMER-01 2.MULTIMETER-03 3.PATCH CHORDS

Sl. No.	Name of the Laboratory	List of Major Equipment and Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	Power electronics lab Sub code: REL4C203	1. VI characteristic of SCR & AC to DC.Converter module.-01 2.Buck Converter Module-01 Boost Converter Module-01 3.Phase Diode Bridge Module-01 4.VI characteristics of Traiac & AC voltage regulator.-01 5.Single Phase Inverter Module.-01 6.IGBT, Mosfet, SCR & Triac static characteristic Module-02 7.DC - DC Forward converter module Kit-01 8.DC-DC flyback converter module-01 9.R, R-C & UJT firing Module. Cosine controlled triggering ckt kit.-01 10.Series Inverter Kit.-01 11.Chopper/Inverter PWM Controller.module-01 12.Single Phase SCR Bridge converterkit-01 13.Single Phase SCR half-controlled Converter module-01 14.Uni Junction Transistor (UJT) trainer kit.-01 15.3 half & fully controlled converter, AC Regulator Module-01 16.3 SCR fully controlled converter kit.-01	01. Regulator DC power supply.02 02.Analog Oscilloscope-02 03.Capacitor Module.-01 05.Rheostat (50Ω, 4A)-03 06.Rheostat (100Ω, 5A)-01 07.Single Phase Transformer.-02 08.3Φ Transformer -01 09.150VA Isolation transformer.-02 10.Digital Multi Meter-06 11.Patch chord/ Power Chord 12.Single Phase Auto Transformer-01

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SL.NO.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
		Digital Storage Oscilloscope		08

		(25MHz)			
		Universal Electronics Trainer (Microlab-II)		23	
		Function Generator(Scientific 3MHz,Scientech 2MHz, Falcon 2MHz)		12	
	BASIC ELECTRONICS LAB/ ANALOG ELECTRONIC CIRCUIT LABORATORY/ DIGITAL ELECTRONICS LABORATORY/ DIGITAL SYSTEM DESIGN LABORATORY	Digital Multimeter		10	
		Class A, B power amplifier Trainer Kit		01	
		RC phase shift oscillator Trainer Kit		01	
		IC(7408,7432,7404,7400,7402,7486)		50 EACH	
		IC 7447		30	
		LT542(Display Device)		30	
		IC 74151		15	
		IC 74153		15	
		IC 7411		15	
		IC 74138		20	
		IC 7476		20	
		IC 7474		20	
		IC 7495		10	
			spectrum analyzer ST 2653, 8010TG		1 each
		PRINCIPLES OF COMMUNICATION SYSTEMS LAB/ ANALOG AND DIGITAL COMMUNICATION LABORATORY/ COMMUNICATION ENGINEERING LAB	Digital Storage Oscilloscope		03
	Function Generator			02	
	FDM Kit ACL 06			02	
	AM modulator and demodulator Kit (ACL 01 and ACL 02)			04 EACH	
	FM modulation and Demodulation Kit (ACL 03 and ACL 04)			04 EACH	
	PCM Kit (DCL 03 and DCL 04)			04 EACH	
	DM Trainer Kit ST 2105			03	
	Modulator and Demodulator Trainer Kit-ST2106, ST2107(ASK,FSK,PSK)			03 EACH	
	Satellite Uplink transmitter, Satellite downlink receiver and satellite link emulator, RHCP & LHCP axial mode helix antennas, Antenna stands with connecting cables reflecting sheet			01 SET	
	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	8086 Trainer Kit		06	
		DAC Kit		04	
		ADC Kit		01	
		8255 PPI		02	
		8051 Microcontroller Kit		02	
		8251 Kit		02	
	MICROWAVE ENGINEERING LAB	Microwave Test Bench		01	
	DIGITAL SIGNAL PROCESSING	DSP kit TMS 320C5X		07	
		MATLAB 7 PC(Dual Core,1GB RAM,320GB HDD)		07	

	LABORATORY/ SIGNALS AND SYSTEMS LABORATORY			
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ELECTRICAL AND ELECTRONICS ENGINEERING

Sl. No.	Name of the Laboratory	List of major Equipment	Facilities in each laboratory	No. of Equipments
1	DIGITAL ELECTRONICS LAB.	CRO		18
		FUNCTION GENERATOR		10
		UNIVERSAL TRAINER KIT		24
		PROGRAMABLE DIGITAL MULTIMETER		1
		DIGITAL MULTIMETER		16
			AIR BLOWER	1
2	VLSI & SIMULATION LAB.	SERVER		1
		PC (CPU,MONITOR,KEY BOARD,MOUSE)		30
		PRINTER		1
		TRAINER KIT (CPLD)		4
		TRAINER KIT (UNIVERSAL)		2
		CRO		1
		UNIVERSAL TRAINER KIT		1
		DIGITAL MULTIMETER		1
			SOFTWARE (XILINX-8.2)	1
			SOFTWARE (MICROWIND)	1
			SOFTWARE (B2 SPICE)	1
			PC (DESKTOP)	1
			AC (SPLIT 1.5 TON)	3
			PROJECTOR	1
			LASER JET PRINTER & COPIER	1
3	PROCESS CONTROL LAB.	PLC APPLICATION TRAINER		1
		PROGRAMABLE LOGIC CONTROLLER (VPLCT-01)		1
		PROGRAMABLE LOGIC CONTROLLER (VPLCT-02)		1
		BOTTLE FILLING TRAINER		1

		LEVEL PROCESS STATION		1
		FLOW PROCESS STATION		1
		AIR COMPRESSOR		1
4	ELECTRONICS MEASUREMENT LAB. / SENSORS & TRANSDUCER LAB.	WATER HEATER		5
		RHEOSTAT		2
		AUTOSTAT		2
		LVDT CHARACTERISTIC MODULE		2
		LCR Q METER		1
		THERMOCOUPLE MODULE		3
		INSTRUMENTATION AMPLIFIER		2
		CAPACITIVE PICK UP TRAINER		1
		PH MEASUREMENT TRAINER		1
		STRAIN MEASUREMENT MODULE		1
		PRESSURE MEASUREMENT USING PIEZO ELECTRIC TRANSDUCER		1
		THERMISTOR CHARACTERISTIC TRAINER		1
		DIGITAL DISPLACEMENT TRANSDUCER		1
		DIGITAL IT INDUCTIVE PICK UP		2
		DIGITAL IT STRAIN GAUGE		1
		DIGITAL I.T.R.T.D		1
		DIGITAL IT THERMISTOR CHAR		2
		DIGITAL IT TEMPERATURE INDICATOR		1
		MEASUREMENT OF ANGULAR DISPLACEMENT USING CAPACITIVE TRANSDUCER(DIGITAL)		1
		TEMPERATURE TRANSDUCERS TRAINER		1
		AMPLITUDE MODULATION AND DEMODULATION TRAINER		1
		ACTIVE FILTER TRAINER		2
		HIGH CURRENT LINEAR VARIABLE DC POWER SUPPLY TRAINER		2
		MAXWELL BRIDGE TRAINER		1
		SCHERING BRIDGE TRAINER		1

		SPECTRUM ANALYZER USING BANK OF FILTERS		1
		WATER LEVEL GAGE		2
		CALIBRATION OF VOLTMETER & AMMETER BY DC POTENTIOMETER		1
		WATER HEATER		1
		AIR FOOT PUMP		1
		FLOW MEASUREMENT TRAINER		1
		HALL EFFECT TRANSDUCER TRAINER		2
		LDR/ PHOTO DIODE/ PHOTO TRANSISTOR TRAINER		2
		STEPPER MOTOR CONTROL TRAINER		2
		DESIGN OF PID CONTROLLER		2
		MEASUREMENT OF STRAIN USING STRAIN GAUGES		1
		DIGITAL IT PRESSURE PICK UP		2
		LEVEL MEASUREMENT SYSTEM		2
		DIGITAL IT SPEED INDICATOR		2
		SPEED CONTROLLER		2
		B.H.CURVE APPARATUS		1
		FUNCTION GENERATOR		2
		CRO		2

MECHANICAL ENGINEERING

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	Production Lab (Foundry)	UTM(Universal Sand Testing Machine)	Working	01
2		Sand Mixture Machine	Working	01
3		Green Compression Strength Machine	Working	01
4		Rapid Sand/Clay washer	Working	01
5		Sand Rammer	Working	01
6		Moisture meter	Working	01
7		Permeability meter	Working	01
8		Hardness tester	Working	01
9		Sieve shaker with set of sieve	Working	01
10		Crucible furnace	Working	01
11		Cupola furnace	Working	01
12		Black Silica Sand Bed	Working	01
13		Bentonite Power	Working	01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	Design of Machine Elements Lab	Drawing Board	Working	60
2	Design of Machine Elements Lab	Drawing Pins	Working	240
3	Design of Machine Elements Lab	Table	Working	60
4	Design of Machine Elements Lab	HCL Computer Systems: AUTOCAD Software	Working	15

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	Design of Machine Elements Lab	Drawing Board	Working	60
2	Design of Machine Elements Lab	Drawing Pins	Working	240
3	Design of Machine Elements Lab	Table	Working	60

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	Fluid Mechanics &Hydraulic Machinery	Reciprocating Pump	Working	01
2	Fluid Mechanics &Hydraulic Machinery	Centrifugal Pump	Working	01
3	Fluid Mechanics &Hydraulic Machinery	Pelton Wheel Turbine	Working	01
4	Fluid Mechanics &Hydraulic Machinery	Francis Turbine	Working	01
5	Fluid Mechanics &Hydraulic Machinery	Orifice meter	Working	01
6	Fluid Mechanics &Hydraulic Machinery	Bernoullis Apparatus	Working	01
7	Fluid Mechanics &Hydraulic Machinery	Metacentric Height Apparatus	Working	01
8	Fluid Mechanics &Hydraulic Machinery	Impact of Jet Apparatus	Working	01
9	Fluid Mechanics &Hydraulic Machinery	Weir and Notches Apparatus	Working	01
10	Fluid Mechanics &Hydraulic Machinery	Pipe Friction Apparatus	Not Working	01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	Heat transfer Lab(RME5C2003)	Heat Transfer from pin-fin	Working	01
2	Heat transfer Lab(RME5C2003)	Heat Transfer through Metallic Rod	Working	01
3	Heat transfer Lab(RME5C2003)	Stefan Boltzman's Apparatus	Working	01
4	Heat transfer Lab(RME5C2003)	Emisivity measurement Apparatus	Working	01

5	Heat transfer Lab(RME5C2003)	Shell &Tube Heat Exchanger	Not Working	01
6	Heat transfer Lab(RME5C2003)	Parallel Flow &Counter Flow Heat Exchanger	Not Working	01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	Machine Drawing and Solid Modelling Lab	HCL Computer Systems : AUTOCAD Software	Working	15

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	MACHINES AND MECHANISMS LAB (MEPC2207)	GYROSCOPE	Not Working	01
2	MACHINES AND MECHANISMS LAB (MEPC2207)	STATIC AND DYNAMIC BALANCING APPARATUS	Working	01
3	MACHINES AND MECHANISMS LAB (MEPC2207)	SCREW JACK	Working	01
4	MACHINES AND MECHANISMS LAB (MEPC2207)	FLY WHEEL	Working	01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	MM Laboratory	Screw Jack.	Working	1
2	MM Laboratory	fly wheel Apparatus	Working	1
3	MM Laboratory	static and dynamic balancing apparatus	Working	1

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	MST Laboratory	Lathe machine	Working	6
2	MST Laboratory	Milling machine	Working	1
3	MST Laboratory	Shaper & Slotting machine	Working	2
4	MST Laboratory	Surface grinding machine	Working	1
5	MST Laboratory	Slotter machine	Working	1
6	MST Laboratory	Lathe tool dynamometer	Working	1
7	MST Laboratory	Drill tool dynamometer	Working	1

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	Material Testing Lab	Universal Testing Machine [Tensile+ Compressive+ Shear+ Bending]	Working	01
2	Material Testing Lab	Fatigue Testing Machine	Working	01
3	Material Testing Lab	Tensile & Compressive Spring Testing Machine	Working	01
4	Material Testing Lab	Hardness Testing Machine	Working	01

5	Material Testing Lab	Impact Testing Machine	Working	01
6	Material Testing Lab	Rigidity Modulus Testing Machine	Working	01
7	Material Testing Lab	Strain measurement	Working	01
8	Material Testing Lab	Stress measurement	Working	01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/ Workshop	No. of Equipment(s)
1	Thermal Engineering Lab	4-stroke petrol engine (multi cylinder)	Not Working	01
2	Thermal Engineering Lab	4-stroke diesel engine (multi cylinder)	Working	01
3	Thermal Engineering Lab	Refrigeration System	Working	01
4	Thermal Engineering Lab	Reciprocating Air Compressor (2 stage)	Working	01
5	Thermal Engineering Lab	2- stroke petrol engine (single cylinder)	Working	01
6	Thermal Engineering Lab	Cut-section-4 stroke diesel engine (single cylinder)	Working	01
7	Thermal Engineering Lab	2- stroke diesel engine model (single cylinder)	Working	01
8	Thermal Engineering Lab	2- stroke petrol engine model (single cylinder)	Working	01
9	Thermal Engineering Lab	4- stroke diesel engine model (single cylinder)	Working	01
10	Thermal Engineering Lab	4- stroke petrol engine model (single cylinder)	Working	01

CIVIL ENGINEERING

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	BUILDING DRAWING PRACTICE	System with AUTOCAD software		13

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	COMPUTER AIDED DESIGN	SYSTEM WITH MAT LAB SOFTWARE		01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	GEOTECHNICAL ENGINEERING LABORATORY	Pycnometer		04
2	GEOTECHNICAL ENGINEERING LABORATORY	IS sieve		02 sets

3	GEOTECHNICAL ENGINEERING LABORATORY	Casagrande apparatus Plastic limit apparatus Shrinkage limit apparatus		02 02 02
4	GEOTECHNICAL ENGINEERING LABORATORY	Core cutter		03
5	GEOTECHNICAL ENGINEERING LABORATORY	Standard compaction apparatus		01
6	GEOTECHNICAL ENGINEERING LABORATORY	Relative density apparatus		01
7	GEOTECHNICAL ENGINEERING LABORATORY	CBR test apparatus		01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	MATERIAL TESTING LABORATORY	IS sieve		
	MATERIAL TESTING LABORATORY	Vicat apparatus		03
	MATERIAL TESTING LABORATORY	<ul style="list-style-type: none"> • Le chatelier apparatus • Pycnometer • Cube mould • Manual compressive strength machine 		06 04 05 01
	MATERIAL TESTING LABORATORY	Crushing test apparatus		01
	MATERIAL TESTING LABORATORY			

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	SURVEY FIELD WORK	CHAIN TAPE RANGING ROD ARROWS		03 03 35 20
2	SURVEY FIELD WORK	COMPASS		05
3	SURVEY FIELD WORK	THEODOLITE		05
4	SURVEY FIELD WORK	DUMPY LEVEL LEVELLING STAFF SPIRIT LEVEL PLUMB BOB		04 05 08 08

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Digital water analysis kit		01
2	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Chemical kit test		01
3	WATER SUPPLY &	Chemicals		01

	SANITARY ENGINEERING LABORATORY			
4	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	COD test of water		01
5	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	DO TEST OF WATER		01
6	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Ph test of water		01
7	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Chloride test of water		01

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	Design of Concrete Structures Lab	SLUMP CONE COMPACTION FACTOR APPARATUS FLOW TABLE APPARATUS		08 01 01
2	Design of Concrete Structures Lab	CUBE MOULD		05

Sl. No.	Name of the Laboratory	List of Major Equipment	Facilities in each Laboratory/Workshop	No. of Equipment(s)
1	Steel Structures Lab	NO EQUIPMENT		

Department Data for List of Experimental Setup in each Laboratory / Workshop

COMPUTER SCIENCE & ENGINEERING

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
1.	Lab no 1 (Project / CN Lab)	<ul style="list-style-type: none"> – Desktop Computers – Linux Platform – Internet & Networking Setup – Compilers (C, Java, Python) – IDEs (Visual Studio Code, NetBeans) – Projector & Whiteboard
2.	Lab no 2 (Programming Lab)	<ul style="list-style-type: none"> – Desktop Computers – Linux Platform – Internet & Networking Setup – Compilers (C, Java, Python) – Whiteboard
3.	Lab no 4 (Database / DAA Lab)	<ul style="list-style-type: none"> – Desktop Computers – Linux Platform – Internet & Networking Setup – Compilers (C, Java, Python) – Whiteboard
4.	Lab no 5 (OS / COA Lab)	<ul style="list-style-type: none"> – Desktop Computers – Linux Platform – Internet & Networking Setup – Compilers (C, Java, Python) – IDEs (Visual Studio Code, NetBeans) – Whiteboard
5.	Lab no 6 (Evaluation Center / Lab)	<ul style="list-style-type: none"> – Desktop Computers – Linux Platform – Internet & Networking Setup – Compilers (C, Java, Python) – Whiteboard
6.	Lab no 7 (Departmental Seminar / Lab)	ICT Enable Lab facility with Internet & Networking setup. Projector and Whiteboard is available. Departmental seminar and workshop conducting facility available

ELECTRICAL ENGINEERING

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop	
1	BASIC ELECTRICAL ENGG.LAB.	Preliminary: Preparation of symbol chart for various systems & components as per ISS, to study the constructional & operational features for Voltmeter, Ammeter, Wattmeter, Frequency meter, multi-meter and Rheostat, Study of safety rules.	Display of all Electrical measuring instrument both AC/DC
2	BASIC ELECTRICAL ENGG.LAB.	Demonstration of cut-out sections of machines: dc machine (commutator-brush arrangement), induction machine (squirrel cage rotor), synchronous machine (field winging - slip ring arrangement) and single-	Wall manual of cutout section of AC/DC machines

		phase induction machine.	
3	BASIC ELECTRICAL ENGG.LAB.	Measurement of the armature & field resistance of D.C. Machine by volt-amp method.	DC shunt motor-5hp DC regulated power supply,(0-30)v,1A Ammeter(0-5A)dc Voltmeter(0-300v)dc Rheostat(0-300ohm),1.5 A Connecting wires-1.5mm insulated Cu wire
4	BASIC ELECTRICAL ENGG.LAB.	Starting and speed control of a D.C. shunt motor	DCshunt motor-5hp,1500rpm,220v 3 point starter 3h.p,220v dc Field regulator,5hp,220vdc Rheostat-(0-260 ohm),1.5A (separately excited) Voltmeter(0-300v)dc Ammeter-(0-5A)dc Tachometer digital type Connecting wires-1.5 mm Cu wire
5		Study of BH Curve of ferromagnetic core.	B-H curve apparatus ME566 CRO Connecting probes
6		Determination of open circuit characteristics (O.C.C) of D.C shunt generator when separately excited at different speeds and different excitation levels.	DC shunt generator-3h.p,1500rpm,220v,2A 3 point starter 3h.p,220v dc Field regulator,5hp,220vdc Rheostat-(0-100 ohm),5A Voltmeter(0-300v)dc Ammeter-(0-1A)dc Tachometer digital type Connecting wires-1.5 mm Cu wire
7		Calibration of a single-phase Energy Meter by direct loading.	Single phase energy meter 240v,50hz Load box(0-100 watt) Stop watch digital type Ammeter(0-20A)MItype Voltmeter(0-300v),MI type Single phase variac-(0-230 v) Connecting wires-1.5 mm Cu wire
8		Measurement of power & power factor of a single-phase circuit	Capacitor Loading inductor-3kva,230v Variable resistive load (0-1000)ohm,10A Ammeter(0-5A) Voltmeter(0-300v) Wattmeter-(0-250w) Variac -(0-260v)AC DPST switch 32 A,230v
9		Measurement of earth resistance and insulation resistance.	Megger Insulation testor(0-200)megaohm
10		Verification of Thevenin and Norton's theorem	Thevenin and Norton's trainer KIT Multimeter digital type Patch chords

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop	
1	Power System Lab.	To study the IDMT over-current relay with different PSM & TSM and plot its time-current	IDMT OC relay kit. Multimeter Patch chords

		characteristics.	
2		To study the IDMT over-voltage relay with different PSM & TSM and plot its time – voltage characteristics.	IDMT over voltage relay kit. Multimeter-1 Patch chords-6
3		To study the IDMT under-voltage relay with different PSM and TSM and plot its time – current characteristics.	IDMT under voltage relay kit. Multimeter-1 Patch chords-6
4		To study the negative sequence relay.	Negative sequence relay kit Multimeter-1 Patch chords-6
5		To study the operating characteristics of % biased differential relay.	%Biased differential relay kit Rheostat-2 Multimeter-1 Patch chords-6

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop	
	Control System	To observe the time response of a second order process with P, PI and PID control and apply PID control to servomotor	PID Control Kit-1 No Patch chord- 12 Nos CRO-1 No
		Measurement of linear displacement using LVDT	LVDT Kit Set-1 No Patch Chords-1 No Multimeter-1 No
		Study of speed torque characteristics of two-phase ac servomotor and determination of its transfer function	AC servomotor Kit-1 No Weight- 10 Nos Patch chord-4 Nos
		To study and validate the controllers for a temperature control system	Temp controller Kit -1 No Thermometer-1 No Electric Cattle-1 No Power Chord-2 No
		Study of a dc motor driven position control system	DC Servomotor Kit- 1No Multimeter-1 No Power Chord- 2No
		To study the position control system using Synchroscope.	Synchroscope Kit- 1 No Patch Chord- 6 No
		To measure unknown resistance, inductance and capacitance using different bridges.	Bridge Kit – 1 no Patch Chord-20 Nos
		Calibration of Single-phase Energy meter	Energy Meter- 1 No. Tester-1no Multimeter- 1 No Voltmeter-1 No Ammeter- 1 No

				Load Box- 1kW	
			To determine the transfer function of a system (network) using transfer function analyzer	Transfer Function Analyzer Kit- 1No Patch Chord- 10 Nos Multimeter- 1 Nos	
			Study of temperature voltage characteristic of J type thermocouple	Thermocouple Kit-1 Nos Multimeter-1No Patch chord-10 Nos	
Sl. No.	Name of the Laboratory	Topic as per BPUT syllabus	List of Major Equipment	Facilities in each Laboratory	No. of Equipment(s)
1	electrical machine 2	Determination of the voltage regulation of an alternator by synchronous impedance method and zero power factor (zpf) method	3-PHASE ALTERNATOR COUPLED WITH D.C MOTOR 3KVA ,3 PHASE 413V,4A, EX-160V 1500RPM + 5 HP , 220V , 1800 A, 1500 rpm	Experimental Setup FOR THE EXPERIMENT WITH PANAL BOARD AND MEASURING INSTIMENYS	1+1
2	electrical machine 2	Determination of the V and inverted V curves of a synchronous motor	1-SYNCHRONOUS MOTOR 3 phase Power 5 - H.P 415 V 6 A 50 .Hz SPEED-1500 RPM Delta connected Excitation voltage =110 V	DO	1
3	electrical machine 2	Speed control of a three phase induction motor using variable frequency drives.	1-THREE PHASE SYNCHRONOUS GENE3KVA ,3 PHASE 413V,4A, EX-160V 1500RPM RATOR 2-D.C SHUNT MOTO5 HP , 220V , 1800 A, 1500 rpm R 3-THREE PHASE INDUCTION MOTOR5HP.,415V, 6A, 3-PHASE	DO	1+1+1
4	electrical machine 2	Determination of parameters of synchronous machine (a) Positive sequence reactance (b)	1-THREE-PHASE SYNCHRONOUS GENERATOR	DO	1

		Negative sequence reactance (c) Zero sequence reactanc	2-D.C SHUNT MOTOR 5 HP , 220V , 1800 A, 1500 rpm		
5	electrical machine 2	Determination of parameters of three phase induction motor from No Load Test and Blocked Rotor Test	three phase induction motor 5HP.,415V,6A , 3-PHASE	DO	
6	electrical machine 2	Determination of parameter of a Capacitor start single phase induction motor	Capacitor start single phase induction motor 1 H.P,220V ,6A ,1440RPM	DO	1
7	electrical machine 2	Study of parallel operation of two alternators	THREE PHASE SYNCHRONOUS GENERATOR 3KVA ,3 PHASE 413V,4A, EX-160V 1500RPM RAM SON & SON CONTROL PANAL FOR PARALALLEL OPERATION	DO	2
8	electrical machine 2	Measurement of direct and quadrature axis reactance of a salient pole synchronous machine by Slip test.	THREE PHASE SYNCHRONOUS GENERATOR	DO	1
9	electrical machine 2	Measurement of transient and sub transient reactance of a salient pole alternator	THREE PHASE SYNCHRONOUS GENERATOR	DO	1
10	electrical machine 2	Determination of parameters of three phase induction motor from No Load Test and Blocked Rotor Test	three phase induction motor 5HP.,415V,6A , 3-PHASE	DO	1
11	electrical machine 2	Determination of Efficiency, Plotting of Torque-Slip Characteristics of Three Phase Induction motor by Brake Test	Three Phase Induction motor 5HP.,415V,6A , 3-PHASE	DO	1

Sl. No	Name of Laboratory	List of Experimental Setup in machine -1 Laboratory
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1	ELECTRICAL MACHINE 1 Laboratory	Determination of Efficiency and Voltage Regulation by Open Circuit and Short Circuit test on single phase transformer.				
		Sl.no	NAME OF MACHINE	SPECIFICATON		
		1	SINGLE PHASE TRANSFORMER	1KVA110/220V		
		APPARATUS REQUIRED				
		s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY
		1	Ammeter	A.C/MI	(0-2A),(0-10A)	2
		2	Voltmeter	A.C	(0-300)V,(0-50)V	2+1
		3	Single phase variac	A.C	(0-260V),20A	1
		3	Wattmeter	A.C	2.5A,250V/10A,50V	1
		4	Tester,cutter,plier			1each
5	Connecting wires		3/22 S.W.G			
THEORY: The Transformer parameters and losses can be found by using the open and short circuit test. By						
2		Par				
		Sl.no	Name of machine	SPECIFICATON...		
		1	SINGLE PHASE RANSFORMER(T1) AND T2)	1KVA 110/220V		
		APPARATUS REQUIRED				
		s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY
		1	Ammeter	A.C	(0-5A)	2
		2	Voltmeter	A.C	(0-300V),(0-500V)	2
		3	Single phase variac	A.C	(0-260)V,20A	1
		3	Wattmeter	A.C	(0-600W),250V,15A	3
		4	Ammeter	A.C	(0-10)A	1
5	Load box		1KW	1		
allel operation of two single phase transformers						
3		Back-to Back test on two single phase transformers				
		Sl.no	Name of machine	SPECIFICATON		
		1	SINGLE PHASE TRANSFORMER(T1)and (T2)	1KVA 110/220V		
		APPARATUS REQUIRED				
		s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY
		1	Ammeter	A.C	(0-2A) (0-10A)	2+1
		2	Voltmeter	A.C	(0-50V),(0-600V)	2
		3	Wattmeter	A.C	(0-300W),	2
		4		Study of open delta and Scott connection of two single phase transformers		
				Sl.no	Name of machine	SPECIFICATON...

		1	SINGLE PHASE TRANSFORMER(T1) AND T2)	1KVA 110/220V		
APPARATUS REQUIRED						
s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTIT Y		
1	Ammeter	A.C	(0-10A)	5		
2	Voltmeter	A.C	(0-300V),	1		
3	Three phase auto transformer	A.C	(0-260)V,20A	1		
5	Load box	resistive	1KW	2		
5		Determination of Critical resistance and critical speed from No load test of D.C shunt generator.				
MACHINE SPECIFICATION						
Sl.no	Name of machine	SPECIFICATON				
1	D.C SHUNT MOTOR	3 HP DC MOTO 220 V FIELD CURENNT -2A				
2	D.C SHUNT GENERATOR	2KW DC GENERATOR				
APPARATUS REQUIRED						
s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY		
1	Ammeter	D.C	(0-1)A	1		
2	Voltmeter	D.C	(0-300)V	1		
3	Variable field rheostat		100ohm,5A	1		
3	3point starter		-	1		
4	Digital tachometer			1		
5	Field regulator		100ohm,5A,3kva	1		
6	Connecting wires	Cu	3/22S.W.G,	12		
7	tester			1		
8	Cutter,plier			1 each		
6		speed control of d.c motor by using armature control and field control method				
MACHINE SPECIFICATION						
Sl.no	Name of machine	SPECIFICATON				
1	D.C SHUNT MOTOR	3HP,18A,220V.1500RPMp.m				
APPARATUS REQUIRED						
s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY		
1	Ammeter	D.C	(0-2)A	1		
2	Voltmeter	D.C	(0-300)V	1		
3	Field rheostat		100 ohm,5A	1		
3	3point stator	-	--	1		
4	Tachometer	--	--	1		
5	Field regulator		100 0hm,5A	1		
6	Connecting wires, cutter,plier	-	-	1 each		
7		Determination of parameters of three phase induction motor from No Load Test and Blocked				

Rotor Test					
8	Load test of d.c shunt generator				
	Sl.no	Name of machine	SPECIFICATON		
	1	D.C SHUNT MOTOR	3 HP DC MOTOR 220V		
	2	D.C SHUNT GENERATOR	2KW DC GENERATOR		
	APPARATUS REQUIRED				
	s.l n.o	NAME OF APPARATUS	TYPE	RANGE	QUANTITY
	1	Ammeter	D.C	(0-1)A	1
	2	Voltmeter	D.C	(0-300)V	1
	3	Variable field rheostat		100ohm,5A	1
	3	3point starter		-	1
4	Digital tachometer			1	
5	Field regulator		100ohm,5A,3kva	1	
6	Connecting wires	Cu	3/22S.W.G,	12	
7	tester			1	
8	Cutter,plier			1 each	

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop	
1	EPEC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Validation of Network Theorems using AC circuits (Superposition, Thevenin, Norton, Maximum power transfer)	Study trainer kit Digital multimeter Patch chords
2	EPEC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Study of DC and AC transients for R-L, R-C & R-L-C circuits using digital storage oscilloscope	Study trainer kit Digital storage oscilloscope. Function Generator Patch chords
3	EPEC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Determination of two port network parameters (open circuit and short circuit parameters)	Study trainer kit Digital multimeter Patch chords
4	EPEC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Determination of two port network parameters(hybrid and transmission parameters).	Study trainer kit Digital multimeter Patch chords
5	EPEC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Frequency response of low pass and high pass filters.	Passiv filter trainer kit Function Generator Patch chords Digital multimeter Digital storage oscilloscope.
6	EPEC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Frequency response of band pass and band elimination filters	Passiv filter trainer kit Function Generator Patch chords Digital multimeter Digital storage oscilloscope

7	EEPC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Determination of self-inductance, mutual-inductance and coupling coefficient of a single-phase two winding transformer representing a coupled circuit.	1 phase two winding T/F / (1KVA , 230/230 V Transformer Connecting wire Voltmeter (0- 300 v) Ammeter (0 – 10 A) / Study trainer kit Digital multimeter Patch chords
8	EEPC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Study of series and parallel connected magnetically coupled circuits	Study trainer kit AC Signal Generator Voltmeter Ammeter Digital multimeter Patch chords
9	EEPC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Study of resonance in R-L-C series circuit using oscilloscope.	Study trainer kit Function Generator Digital storage oscilloscope. Patch chords
10	EEPC2201 ELECTRICAL CIRCUIT ANALYSIS LAB	Study of resonance in R-L-C parallel circuit using oscilloscope	Study trainer kit Function Generator Digital storage oscilloscope Patch chords

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
1	Electric Power Transmission and Distribution Laboratory	<ol style="list-style-type: none"> 1. Study and Ferranti Effect 2. Determination of ABCD Parameter using kit. 3. Determination of String efficiency Of Insulators 4. Earth resistance measurement 5. Study of various lightning arresters 6. Distribution system power factor improvement using switched capacitor 7. Study of corona discharge 8. Series and Shunt capacitance computation in transmission line 9. Determination of ABCD parameters using MATLAB

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
1	POWER ELECTRONICS LABORATORY	Study of the V-I characteristics of SCR, TRIAC, IGBT and MOSFET
2		Study of the cosine controlled triggering circuit
3		To measure the latching and holding current of a SCR
4		Study of the single phase half wave controlled rectifier and semiconverter with R and R-L Load
5		Study of single phase full wave controlled rectifier circuits (Bridge type)R, R-L Load with freewheeling diode
6		Study of the Buck converter
7		Study of the boost converter
8		Study and operate the series inverter and observe the output waveform across resistive load.

9		Study of three phase full wave controlled rectifier circuits (Bridge type)R, R-L Load
10.		Study of UJT triggering and determine V-I characteristics.

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop	
1.	Basic Electronics Lab.	1.Familiarity with electronic components and devices(Testing of semiconductor diode, Transistor, IC Pins connection) Digital Multimeter should be used.	Digital Multimeter, Active and Passive Components.
		2. Study and use of CRO to view waveforms and measure its Amplitude and Frequency.	CRO
		3 .V-I Characteristics of a Semiconductor Diode	Microlab Trainer Kit, Digital Multimeter, Diode 1N4007,Resistor
		4 .V-I (Output) Characteristics of N-P-N/P-N-P Transistor in CE Configuration	Microlab Trainer Kit, Digital Multimeter,Transistor BC547
		5. Measurement of pinch off voltage and plot transfer characteristics and drain characteristics of JFET.	Microlab Trainer Kit, Digital Multimeter, FET BFW10,Resistor
		6 .Transfer characteristics and drain characteristics of MOSFET.	MOSFET 2N7000, Microlab Trainer Kit, Digital Multimeter, Resistor
		7. OP-AMP: Inverting and Non-Inverting Configuration. Record of Waveforms.	Microlab Trainer Kit,DSO,OPAMP 741C, Resistor
		8. Verification of Truth table of Logic gates (AND, OR,NOT, NAND, NOR, EX-OR)	Microlab Trainer Kit, IC(7408,7432,7404,7400,7402,7486)
		9. Half Wave and Full Wave Rectifier without Capacitor filter. Record of Waveforms, Measurement of Average and RMS value.	Microlab Trainer Kit, DSO, Diode1N4007,Resistor,Capacitor
		10. Implementation of digital circuit using Universal gates.	Microlab Trainer Kit, IC(7400,7402)
2.	ANALOG ELECTRONIC CIRCUIT LABORATORY	1. Design and simulate voltage divider biasing circuits using BJT-CE configuration and compare the results.	Microlab Trainer Kit, BJT 547,Digital Multimeter
		2. Design and simulate of voltage divider biasing circuits using JFEET-CS configuration.	Microlab Trainer Kit, FET BFW10, Digital Multimeter
		3. Design and simulate of Self-biasing circuits of MOSFET.	Microlab Trainer Kit, MOSFET 2N7000, Digital Multimeter
		4. Determine the frequency response of BJT CE- amplifier: low frequency, Mid-frequency and	Microlab Trainer Kit, Function Generator, DSO, Digital Multimeter, BJT 547

		high frequency response.	
		5. Determine the frequency response of BJT emitter follower (CC-amplifier) circuit.	Microlab Trainer Kit, Function Generator, DSO, Digital Multimeter, BJT 547
		6. Determine the frequency response of JFET CS- amplifier Circuit.	Microlab Trainer Kit, Function Generator, DSO, Digital Multimeter, FET BFW10
		7. Study of OPAMP frequency response.	Microlab Trainer Kit, Function Generator, DSO, OP AMP 741
		8. Study of integrator and differentiator circuits using OPAMP.	Microlab Trainer Kit, DSO, OPAMP 741C, Resistor, Capacitor
		9. Study of RC phase shift oscillator using BJT/OPAMP.	RC phase shift oscillator Trainer Kit
		10. Study of Class A, B power amplifier.	Class A, B power amplifier Trainer Kit
3.	SIGNALS AND SYSTEMS LABORATORY	1. Introduction to MATLAB and its basic toolboxes required for the analysis of signals and systems. To study use variables, vectors, Matrices & its functions in MATLAB. To Perform basic operations such as addition, subtraction, multiplication, division and transpose of vector and Matrix and plot its results.	MATLAB 7
		2. Generation of basic continuous-time periodic signals, i.e., sine, cosine, square, etc. and plot its results in MATLAB.	
		3. Generation of basic continuous-time aperiodic signals, i.e., ramp, exponential, rectangular pulse, step, impulse, etc. and plot its results in MATLAB.	MATLAB 7
		4. Computation of convolution of discrete-time periodic signals in MATLAB using program logic and inbuilt function.	MATLAB 7
		5. Computation of convolution of discrete-time aperiodic signals in MATLAB using program logic and inbuilt function.	MATLAB 7
		6. Implementation of a difference equation in MATLAB.	MATLAB 7

		7. Generation of frequency response of an LTI system from its impulse response in MATLAB.	MATLAB 7
		8. Computation of discrete-time Fourier series (DTFS) of fundamental signals in MATLAB.	MATLAB 7
		9. Computation of discrete-time Fourier transform (DTFT) of fundamental signals in MATLAB.	MATLAB 7
		10. Frequency domain analysis of decimation and interpolation of signals in MATLAB.	MATLAB 7
	DIGITAL ELECTRONICS LABORATORY	1. Digital Logic Gates: Investigate logic behavior of AND, OR, NAND, NOR, EX-OR, EX-NOR, Invert and Buffer gates, use of Universal NAND Gate.	Microlab Trainer Kit, IC(7408,7432,7404,7400,7402,7486)
		2. Gate-level minimization: Two level and multi level implementation of Boolean functions.	Microlab Trainer Kit, IC 7408 & 7432
		3. Combinational Circuits: design, assemble and test: adders and subtractors, comparators	Microlab Trainer Kit, IC 7408 ,7486 ,7432,7404
		4. Design and Implementation of code converters, gray code to binary and BCD to seven segment display	Microlab Trainer Kit, IC 7486 , 7447,LT542(Display Device)
		5. Design and Implementation of a function using MLTX/ DEMUX	Microlab Trainer Kit, IC 74151, 74153, 7408, 7404, 7432,7411
		6. Design of functions using encoder, decoder	Microlab Trainer Kit, IC 74138, 7408,7404,7432
		7. Flip-Flop: assemble, test and investigate operation of SR, D & J-K flip-flops.	Microlab Trainer Kit, IC 7400, 7476,7474
		8. Shift Registers: Design and investigate the operation of all types of shift registers with parallel load.	Microlab Trainer Kit, IC 7408, 7404, 7432, 7495
		9. Counters: Design, assemble and test various ripple and synchronous counters - decimal counter, Binary counter with parallel load.	Microlab Trainer Kit, IC 7476, 7408, 7432
		10. Design of Binary Multiplier	Microlab Trainer Kit, IC 7408, 7486
4.	DIGITAL SYSTEM DESIGN	Digital Logic Gates: Investigate the logic behavior of AND, OR, NAND, NOR, EX-OR, EX-NOR, Inverter, and Buffer gates, and demonstrate the use of the Universal NAND gate.	Microlab Trainer Kit, IC(7408,7432,7404,7400,7402,7486)
		Gate-Level Minimization: Implement and verify two-level and multi-level Boolean functions.	Microlab Trainer Kit, IC 7408 & 7432
		Combinational Circuits: Design, assemble, and test adders and	Microlab Trainer Kit, IC 7408 ,7486 ,7432,7404, 7486 ,

		subtractors, code converters, gray code to binary converters, and 7-segment displays.	7447,LT542(Display Device)
		Minimal Gate Designs: Design, implement, and test a given example using (i) NAND gates only, (ii) NOR gates only, and (iii) the minimum number of gates.	Microlab Trainer Kit, IC 7408 & 7432
		Multiplexers and De-Multiplexers: Design circuits using multiplexers and de-multiplexers.	Microlab Trainer Kit, IC 74151, 74153, 7408, 7404, 7432,7411
		Flip-Flops: Assemble, test, and investigate the operation of SR, D, and J-K flip-flops.	Microlab Trainer Kit, IC 7400, 7476,7474
		Shift Registers: Design and analyze the operation of various types of shift registers with parallel load.	Microlab Trainer Kit, IC 7408, 7404, 7432, 7495
		Verilog/VHDL Simulation and Implementation : adders and subtractors	Xilinx 8.2
		Verilog/VHDL Simulation and Implementation: SR, D, and J-K flip-flops	Xilinx 8.2
		Verilog/VHDL Simulation and Implementation: shift registers with parallel load.	Xilinx 8.2
5.	PRINCIPLES OF COMMUNICATION SYSTEMS LAB	1. Analyse and plot the spectrum of following signals with aid of spectrum analyzer: Sine wave, square wave, triangle wave, saw-tooth wave of frequencies 1 KHz, 10 KHz, 50 KHz, 100KHz and 1 MHz.	spectrum analyzer ST 2653, 8010TG, Digital Storage Oscilloscope, Function Generator
		2. Analyze the process of frequency division multiplexing and frequency division demultiplexing.	FDM Kit ACL 06, Digital Storage Oscilloscope
		3. Study and design of AM modulator and demodulator. (Full AM, SSB, DSBSC, SSBSC).	AM modulator and demodulator Kit (ACL 01 and ACL 02), Digital Storage Oscilloscope
		4. Study of FM modulation and Demodulation Techniques.	FM modulation and Demodulation Kit (ACL 03 and ACL 04), Digital Storage Oscilloscope
		5. Study the functioning of PCM and Delta modulator; Demonstrate the process of PCM modulation and Delta modulation.	PCM Kit (DCL 03 and DCL 04), DM Trainer Kit ST 2105, Digital Storage Oscilloscope
		6. Study of PLL as FM demodulator.	FM modulation and Demodulation Kit (ACL 03 and ACL 04), Digital Storage Oscilloscope
		7. Using MATLAB/ LABVIEW generate a carrier and a modulating signal. Modulate the carrier using AM. Show the waveform in time domain and analyze its frequency spectrum. Repeat the simulation for modulating signal being square, triangular and other forms waveform.	MATLAB 7

		8. Using MATLAB/ LABVIEW generate a carrier and a modulating signal. Modulate the carrier using FM. Show the waveform in time domain and analyze its frequency spectrum. Repeat the simulation for modulating signal being square, triangular and other forms waveform.	MATLAB 7
		9. Using MATLAB/LABVIEW study the pre-emphasis and de-emphasis.	MATLAB 7
		10. Using MATLAB.LABVIEW study the Spectrum Analysis of Modulated Signal Using Spectrum Analyzer.	MATLAB 7
6.	Microprocessors and Microcontrollers Laboratory	1. Programs for 16-bit arithmetic operations using 8086.	8086 Trainer Kit
		2. Programs for Sorting and Searching (Using 8086).	8086 Trainer Kit
		3. Programs for String manipulation operations (Using 8086).	8086 Trainer Kit
		4. Programs for Digital clock and Stop watch (Using 8086).	8086 Trainer Kit
		5. Interfacing ADC and DAC.	8086 Trainer Kit, DAC Kit, ADC Kit
		6. Parallel Communication between two MP Kits using Mode 1 and Mode 2 of 8255.	8086 Trainer Kit, 8255 PPI
		7. Programming and verifying Timer, Interrupts and UART operations in 8051	8051 Microcontroller Kit
		8. Serial Communication between two MP Kits using 8251.	8086 Microprocessor Kit, 8251 Kit
		9. Programming using Arithmetic, Logical and Bit Manipulation instructions of 8051 microcontroller.	8051 Microcontroller Kit
		10. Communication between 8051 Microcontroller kit and PC.	8051 microcontroller Kit
	Analog and Digital Communication Laboratory	1. Analyze and plot the spectrum of following signals with aid of spectrum analyzer: Sine wave, square wave, triangle wave, saw-tooth wave of frequencies 1 KHz, 10 KHz, 50 KHz, 100KHz and 1 MHz.	spectrum analyzer ST 2653, 8010TG, Digital Storage Oscilloscope, Function Generator
		2. Analyze the process of frequency division multiplexing and frequency division demultiplexing.	FDM Kit ACL 06, Digital Storage Oscilloscope
		3. Study and design of AM modulator and demodulator. (Full AM, SSB, DSBSC, SSBSC)	AM modulator and demodulator Kit (ACL 01 and ACL 02), Digital Storage Oscilloscope
		4. Study of FM modulation and Demodulation Techniques.	FM modulation and Demodulation Kit (ACL 03 and ACL 04), Digital Storage Oscilloscope
		5. Using MATLAB/ LABVIEW generate a carrier and a modulating signal. Modulate the carrier using AM. Show the waveform in time domain and	MATLAB 7

		analyze its frequency spectrum. Repeat the simulation for modulating signal being square, triangular and other forms waveform.	
		6. Using MATLAB/ LABVIEW generate a carrier and a modulating signal. Modulate the carrier using FM. Show the waveform in time domain and analyze its frequency spectrum. Repeat the simulation for modulating signal being square, triangular and other forms waveform.	MATLAB 7
		7. Study the functioning of PCM and Delta modulator; Demonstrate the process of PCM modulation and Delta modulation.	PCM Kit (DCL 03 and DCL 04), DM Trainer Kit ST 2105, Digital Storage Oscilloscope
		8. Generation and reception of different types of signals like ASK, PSK, FSK.	Modulator and Demodulator Trainer Kit-ST2106, ST2107, Digital Storage Oscilloscope
		9. Experimentally compare different forms of BPSK, QPSK, and OQPSK and analyze their Spectrum with spectrum analyzer.	Modulator and Demodulator Trainer Kit-ST2106, ST2107, Digital Storage Oscilloscope
		10. To transmit PC data through satellite link using a satellite communication demonstration unit.	Satellite Uplink transmitter, satellite downlink receiver and satellite link emulator, RHCP & LHCP axial mode helix antennas, Antenna stands with connecting cables reflecting sheet
	Digital Signal Processing Laboratory	1. Familiarization with the architecture of a standard DSP kit (Preferably TMS 320C6XXX DSP kit of Texas Instruments)	DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.
		2. Generation of various types of waveforms (sine, cosine, square, triangular etc.) using MATLAB and DSP kit.	MATLAB 7, DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.
		3. Linear convolution of sequences (without using the inbuilt conv. function in MATLAB) and verification of linear convolution using DSP kit.	MATLAB 7, DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.
		4. Circular convolution of two sequences and comparison of the result with the result obtained from linear convolution using MATLAB and DSP kit.	MATLAB 7, DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.
		5. (i) Computation of autocorrelation of a sequence, cross correlation of two sequences using MATLAB. (ii) Computation of the power spectral density of a sequence using MATLAB also implementing the same in a DSP kit.	MATLAB 7, DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.
		6. Finding the convolution of a periodic sequence using DFT and IDFT	MATLAB 7, DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.

		in MATLAB.	
		7. (i) Implementation of FFT algorithm by decimation in time and decimation in frequency using MATLAB. (ii) Finding the FFT of a given 1-D signal using DSP kit and plotting the same. 8. Design and implementation of FIR (lowpass and highpass) Filters using windowing techniques (rectangular window, triangular window and Kaiser window) in MATLAB and DSP kit.	MATLAB 7, DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.
		9. Design and implementation of IIR (lowpass and highpass) Filters (Butterworth and Chebyshev) in MATLAB and DSP kit.	MATLAB 7, DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.
		10. (i) Convolution of long duration sequences using overlap add, overlap save using MATLAB. (ii) Implementation of noise cancellation using adaptive filters on a DSP kit.	MATLAB 7, DSP kit TMS 320C5X, VI Mlcrosystem Private LTD.
	Microwave Engineering Lab	1. Reflex Klystron Characteristics	Microwave Test Bench
		2. Gun Diode Characteristics	Microwave Test Bench
		3. Directional Coupler Characteristics	Microwave Test Bench
		4. Measurement of Voltage Standing Wave Ratio.	Microwave Test Bench
		5. Radiation Pattern Measurement of a Horn Antenna	Microwave Test Bench
		6. Impedance, Wavelength and Frequency Measurement.	Microwave Test Bench
		7. Determination of Polarization of Horn antenna.	Microwave Test Bench
		8. Measurement of Scattering Parameters.	Microwave Test Bench
		9. Coupling Measurement of H-plane, E-Plane and Magic Tee junctions.	Microwave Test Bench
		10. Measurement of Dielectric Constant.	Microwave Test Bench
	Wireless Communication Lab	1. Evaluate the impact of path loss and shadowing in estimation of received signal power in mobile cellular communication using fading channel mobile communication virtual lab.	Virtual Lab
		2. Calculate the boundary coverage probability in a cellular system using fading channel mobile communication virtual lab.	Virtual Lab
		3. Demonstrate the impact the received power levels for hand-off in case of mobile cellular communication using fading channel mobile communication virtual lab.	Virtual Lab

		4. Estimate the impact of sectoring in increasing cellular system capacity using fading channel mobile communication virtual lab.	Virtual Lab
		5. Examine the impact of co-channel interference on the value of SIR in mobile cellular communication using fading channel mobile communication virtual lab.	Virtual Lab
		6. Setting up of LTE 2x2 MIMO system for establishing two way communication.	Virtual Lab
		7. Study of pure ALOHA and slotted ALOHA protocols for WLAN System.	Virtual Lab
		8. Configure ZigBee module as an end device and, set up a communication link with two ZigBee modules.	Virtual Lab
		9. Study of RFID system and its applications.	Virtual Lab
		10. Using IE3D, design a rectangular micro strip patch antenna for inset feed for operating frequency of 1.88 GHz, relative permittivity of 4.4 and length of 31 mils.	Virtual Lab
	COMMUNICATION ENGINEERING LAB	1. Analyse and plot the spectrum of following signals with aid of spectrum analyser: Sine wave, square wave, triangle wave, saw-tooth wave of frequencies 1 KHz, 10 KHz, 50 KHz, 100KHz and 1 MHz.	spectrum analyzer ST 2653, 8010TG, Digital Storage Oscilloscope, Function Generator
		2. Analyse the process of frequency division multiplexing and frequency division demultiplexing.	FDM Kit ACL 06, Digital Storage Oscilloscope
		3. Study and design of AM modulator and demodulator. (Full AM, SSB, DSBSC, SBSC)	AM modulator and demodulator Kit (ACL 01 and ACL 02), Digital Storage Oscilloscope
		4. Study of FM modulation and Demodulation Techniques.	FM modulation and Demodulation Kit (ACL 03 and ACL 04), Digital Storage Oscilloscope
		5. Observe the process of PAM, quantization and determination of quantization noise. Multiplex 2-4 PAM/ PPM and PWM signals.	Kit DCL 06, Digital Storage Oscilloscope
		6. Using MATLAB/ LABVIEW generate a carrier and a modulating signal. Modulate the carrier using AM. Show the waveform in time domain and analyze its frequency spectrum. Repeat the simulation for modulating signal being square, triangular and other forms waveform.	MATLAB 7
		7. Using MATLAB/ LABVIEW generate a carrier and a modulating signal. Modulate the carrier using FM. Show	MATLAB 7

		the waveform in time domain and analyze its frequency spectrum. Repeat the simulation for modulating signal being square, triangular and other forms waveform.	
		8. Design a receiver to demodulate and receive the signal from AM radio station.	Microlab Trainer Kit
		9. Design a receiver to demodulate and receive the signal from the local FM radio station.	Microlab Trainer Kit

ELECTRICAL AND ELECTRONICS ENGINEERING

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop	
1.	BASIC ELECTRONICS LAB. (23ES1202)	Familiarity with electronic components and devices (Testing of semiconductor diode, Transistor, IC Pins connection) Digital Multimeter should be used.	Digital Multimeter, Active and Passive Components.
		Study and use of CRO to view waveforms and measure its Amplitude and Frequency.	CRO
		V-I Characteristics of a Semiconductor Diode	Microlab Trainer Kit, Digital Multimeter, Diode 1N4007, Resistor
		V-I (Output) Characteristics of N-P-N/P-N-P Transistor in CE Configuration	Microlab Trainer Kit, Digital Multimeter, Transistor BC547
		Measurement of pinch off voltage and plot transfer characteristics and drain characteristics of JFET.	Microlab Trainer Kit, Digital Multimeter, FET BFW10, Resistor
		Transfer characteristics and drain characteristics of MOSFET.	MOSFET 2N7000, Microlab Trainer Kit, Digital Multimeter, Resistor
		OP-AMP: Inverting and Non-Inverting Configuration. Record of Waveforms.	Microlab Trainer Kit, DSO, OPAMP 741 IC, Resistor.
		Verification of Truth table of Logic gates (AND, OR, NOT, NAND, NOR, EX-OR)	Microlab Trainer Kit, IC (7408,7432,7404,7400,7402,7486)
		Half Wave and Full Wave Rectifier without Capacitor filter. Record of Waveforms, Measurement of Average and RMS value.	Microlab Trainer Kit, DSO, Diode 1N4007, Resistor, Capacitor
		Implementation of digital circuit using Universal gates.	Microlab Trainer Kit, IC (7400,7402)
2.	ANALOG & DIGITAL ELECTRONIC CIRCUIT LABORATORY (EOPC2202)	Design and simulate voltage divider biasing circuits using BJT-CE configuration and compare the results.	Microlab Trainer Kit, BJT 547, Digital Multimeter
		Design and simulate of voltage divider biasing circuits using JFET-CS configuration.	Microlab Trainer Kit, FET BFW10, Digital Multimeter
		Design and simulate of Self-biasing circuits of MOSFET.	Microlab Trainer Kit, MOSFET 2N7000, Digital Multimeter
		Determine the frequency response of BJT CE- amplifier: low frequency, Mid-frequency and high frequency response.	Microlab Trainer Kit, Function Generator, DSO, Digital Multimeter, BJT 547

		Determine the frequency response of JFET CS- amplifier Circuit.	Microlab Trainer Kit, Function Generator, DSO, Digital Multimeter, FET BFW10
		Design of Binary Multiplier.	Microlab Trainer Kit, IC 7408, 7486
		Design and implementation of code converters gray to binary and BCD to seven segment display.	Microlab Trainer Kit, IC 7486, 7447, LT542(Display Device)
		Design and implementation of a function using Multiplexer (MUX) and De-multiplexer (DEMUX).	Microlab Trainer Kit, IC 74151, 74153, 7408, 7404, 7432,7411
		Design of function using decoder and encoders.	Microlab Trainer Kit, IC 74138, 7408,7404,7432
		Flip-Flop: assemble, test and investigate operations of S-R, D and J-K flip-flops.	Microlab Trainer Kit, IC 7400, 7476,7474.
3.	SIGNALS AND SYSTEMS LABORATORY (EOPC2203)	Introduction to MATLAB and its basic toolboxes required for the analysis of signals and systems. To study use variables, vectors, Matrices & its functions in MATLAB. To Perform basic operations such as addition, subtraction, multiplication, division and transpose of vector and Matrix and plot its results.	PC with windows (XP/ 98/2000), MATLAB 7,
		Generation of basic continuous-time periodic signals, i.e., sine, cosine, square, etc. and plot its results in MATLAB.	PC with windows (XP/ 98/2000), MATLAB 7
		Generation of basic continuous-time aperiodic signals, i.e., ramp, exponential, rectangular pulse, step, impulse, etc. and plot its results in MATLAB.	PC with windows (XP/ 98/2000), MATLAB 7
		Computation of convolution of discrete-time periodic signals in MATLAB using program logic and inbuilt function.	PC with windows (XP/ 98/2000), MATLAB 7
		Computation of convolution of discrete-time aperiodic signals in MATLAB using program logic and inbuilt function.	PC with windows (XP/ 98/2000), MATLAB 7
		Computation of auto correlation of sequence $x(n)$ and $y(n)$ verify the property in MATLAB.	PC with windows (XP/ 98/2000), MATLAB 7
		Computation of Cross correlation of sequence $x(n)$ and $y(n)$ verify the property in MATLAB.	PC with windows (XP/ 98/2000), MATLAB 7
		Generation of frequency response of an LTI system from its impulse response in MATLAB.	PC with windows (XP/ 98/2000), MATLAB 7
		Implementation of a difference equation in MATLAB.	PC with windows (XP/ 98/2000), MATLAB 7
		Computation of discrete-time Fourier transform (DTFT) of fundamental signals in MATLAB.	PC with windows (XP/ 98/2000), MATLAB 7
4.	ELECTRICAL MEASUREMENT& INSTRUMENTATION LAB (EEPC 2204)	To measure strain developed in a cantilever beam using strain gauge.	Strain measurement module (ITB-17CE), Patch chords, Weights.
		Study of temperature voltage characteristics of J type thermocouple.	Thermocouple Trainer kit, Thermocouple, Thermometer Water heater, Multimeter

			Connecting leads.
		Measurement of linear displacement using LVDT.	LVDT kit, Multimeter
		Measurement of unknown resistance by Wheatstone Bridge.	Trainer kit, patch chords, decade resistance box.
		Measurement of unknown inductance by Maxwell Inductance Bridge.	VMIB-03 / maxwell bridge trainer-03 (STBT-410), unknown inductance, multimeter, connecting leads.
		Measurement of unknown capacitance using De-sauty's Bridge.	Trainer kit, connecting wires, head phone.
		Measurement of unknown resistance using Kelvin's Double Bridge.	Kelvin's Double Bridge trainer kit, super sensitive galvanometer, battery eliminator, copper wire.
		Measurement of unknown capacitance using Schering Bridge.	Schering bridge trainer kit (STBT-409), patch chords, probes, multimeter.
		Measurement of unknown inductance Anderson Bridge.	Anderson Bridge trainer kit, wires, headphone.

MECHANICAL ENGINEERING

1	Basic Manufacturing Process (BMP)/ Workshop	Determination of grain size.	Working
2		Determination of clay content, and permeability.	Working
3		Preparation of pattern and foundry practices.	Working
4		Practice and preparation of jobs through arc welding.	Working
5		Practice and preparation of jobs through oxyacetylene welding.	Working
6		Determination of strength of brazed and solder joints	Not-working
7		Practice and preparation of jobs using sheet metal forming processes like forming and deep drawing.	Not-working
8		Demonstration of different rolling mills.	Working
9		Demonstration of Extrusion processes.	Working

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop
1	Design of Machine Elements Lab	Design Of Riveted Joint
2	Design of Machine Elements Lab	Design Of Welded Joint.
3	Design of Machine Elements Lab	Design Of Cotter Joint.
4	Design of Machine Elements Lab	Design Of Knuckle Joint.
5	Design of Machine Elements Lab	Design Of Shaft.
6	Design of Machine Elements Lab	Design Of Flange Coupling.
7	Design of Machine Elements Lab	Design Of Helical Spring.
8	Design of Machine Elements Lab	Design Of Roller Bearing.

1	Design of Machine	Design of riveted joint
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	Elements Lab		
2	Design of Machine Elements Lab	Design of welded joint.	
3	Design of Machine Elements Lab	Design of cotter joint.	
4	Design of Machine Elements Lab	Design of knuckle joint.	
5	Design of Machine Elements Lab	Design of shaft.	
6	Design of Machine Elements Lab	Design of flexible coupling.	
7	Design of Machine Elements Lab	Design of rigid coupling.	
8	Design of Machine Elements Lab	Design of helical spring.	
9	Design of Machine Elements Lab	Design of journal bearing.	
10	Design of Machine Elements Lab	Design of elements of roller bearing.	

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop	
1	Fluid Mechanics & Fluid Machinery	Calibration of venturimeter	Working
2	Fluid Mechanics & Fluid Machinery	Verification of Bernoulli's theorem	Working
3	Fluid Mechanics & Fluid Machinery	Performance test on centrifugal pumps	Working
4	Fluid Mechanics & Fluid Machinery	Performance test on reciprocating pumps	Working
5	Fluid Mechanics & Fluid Machinery	Determination of pipe flow losses.	Virtual Testing
6	Fluid Mechanics & Fluid Machinery	Pressure measurement with pitot static tube	Virtual Testing
7	Fluid Mechanics & Fluid Machinery	Flow visualization by Heleshaw apparatus	Virtual Testing
8	Fluid Mechanics & Fluid Machinery	Determination of Viscosity of a Fluid	Virtual Testing

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop	
1	Heat transfer Lab(RME5C2003)	Determination of Thermal conductivity of composite slab	Working
2	Heat transfer Lab(RME5C2003)	Determination of heat transfer coefficient in natural/forced convection	Not Working
3	Heat transfer Lab(RME5C2003)	Determination of surface emissivity	Working
4	Heat transfer Lab(RME5C2003)	Performance test on parallel flow and counter flow heat exchanger	Working
5	Heat transfer Lab(RME5C2003)	Efficiency and effectiveness of fins (Natural / Forced convection)	Working
6	Heat transfer Lab(RME5C2003)	Determination of Critical heat flux during boiling heat transfer.	Not Working
7	Heat transfer Lab(RME5C2003)	Verification of Stefan Boltzman's law.	Working

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop	
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1	Machine Drawing and Solid Modelling Lab	Sketcher workbench	Virtual
2	Machine Drawing and Solid Modelling Lab	Basic Solid part modelling	Virtual
3	Machine Drawing and Solid Modelling Lab	Advance Solid Part Modeling	Virtual
4	Machine Drawing and Solid Modelling Lab	Assembly design	Virtual
5	Machine Drawing and Solid Modelling Lab	Drafting workbench	Virtual

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop	
1	MACHINES AND MECHANISMS LAB (MEPC2207)	Determination of gyroscopic couple using gyroscopic test rig	Not Working
2	MACHINES AND MECHANISMS LAB (MEPC2207)	Experiment on static and dynamic balancing apparatus	Working
3	MACHINES AND MECHANISMS LAB (MEPC2207)	EXPERIMENT ON SCREW JACK	Working
4	MACHINES AND MECHANISMS LAB (MEPC2207)	DETERMINATION OF MOMENT OF INERTIA OF A FLY WHEEL	Working

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop	
1	MM Laboratory	Design of any one working model related to Kinematics & Dynamics of Machines, Module I & II.	Virtual Testing
2	MM Laboratory	Design of any one working model related to Kinematics & Dynamics of Machines, Module III, IV & V.	Virtual Testing
3	MM Laboratory	Study of interference and undercutting for gear drives.	Virtual Testing
4	MM Laboratory	Determination of Moment of Inertia of a fly wheel.	Working
5	MM Laboratory	Performance characteristics of a spring loaded governor.	Virtual Testing
6	MM Laboratory	Experiment/Study on clutches.	Virtual Testing
7	MM Laboratory	Experiment on static and dynamic balancing apparatus.	Working
8	MM Laboratory	Experiment/Study on Screw Jack.	Working

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop	
1	MST Laboratory	Job on lathe with taper turning, thread cutting, knurling and groove cutting (3 experiments).	Working
2	MST Laboratory	Gear cutting (with index head) on milling machine	Working
3	MST Laboratory	Working with shaper, Planner and slotting machine.	Working
4	MST Laboratory	Working with surface and cylindrical grinding. (Only surface grinding)	Working
5	MST Laboratory	Determination of cutting force using Lathe tool dynamometer.	Working
6	MST Laboratory	Determination of cutting force in	Working

		drilling using drill tool dynamometer.	
7	MST Laboratory	Study of Non-traditional machining processes.(USM, AJM, EDM, ECM)	Virtual Testing

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop	
1	Material Testing Lab	Tensile Strength of materials by Universal Testing Machine	Working
2	Material Testing Lab	Compressive Strength of materials by Universal Testing Machine	Working
3	Material Testing Lab	Bending Strength of materials by Universal Testing Machine	Working
4	Material Testing Lab	Shear Test in Universal Testing Machine	Working
5	Material Testing Lab	Rigidity Modulus of material	Working
6	Material Testing Lab	Fatigue Strength of material	Working
7	Material Testing Lab	Spring Constant under Tension And Compression	Working
8	Material Testing Lab	Load measurement using load indicator, Load Cells	Virtual Testing
9	Material Testing Lab	Strain measurement using strain gauge	Working
10	Material Testing Lab	Stress measurement using strain rosette	Working

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory / Workshop	
1	Thermal Engineering Lab	Study of Cut-Sections of 2 stroke and 4 stroke Diesel Engine/Petrol engine.	Working
2	Thermal Engineering Lab	Study of steam power plant.	Virtual Testing
3	Thermal Engineering Lab	Study of refrigeration system.	Working
4	Thermal Engineering Lab	Study of gas turbine power plant.	Virtual Testing
5	Thermal Engineering Lab	Performance analysis of reciprocating air-compressor.	Working
6	Thermal Engineering Lab	Performance analysis of Centrifugal / Axial Flow compressor.	Virtual Testing
7	Thermal Engineering Lab	Determination of performance characteristics of gear pump.	Virtual Testing
8	Thermal Engineering Lab	Load test on 4-stroke single cylinder C.I. engine.	Working
9	Thermal Engineering Lab	Load test on 4-stroke single cylinder S.I. engine.	Virtual Testing
10	Thermal Engineering Lab	Morse Test on multi-cylinder S.I. or C.I. engine	Virtual Testing

CIVIL ENGINEERING

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
01	BUILDING DRAWING PRACTICE	Understanding drawing requirements and symbols in building drawing as per IS 962:1967
02	BUILDING DRAWING PRACTICE	Detailing of different building components: footing, masonry, stair case, and arches, etc
03	BUILDING DRAWING PRACTICE	Development of plan, elevation, side view of 2/3 bed room residential/office building.
04	BUILDING DRAWING PRACTICE	Detailing RCC beams, columns and slabs, and preparing bar bending schedule.
05	BUILDING DRAWING	Detailing of steel roof trusses and connections.

	PRACTICE	
06	BUILDING DRAWING PRACTICE	Any live project on drawing and detailing of Residential/Institutional building.

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
01	COMPUTER AIDED DESIGN	Introduction to MATLAB and Excel
02	COMPUTER AIDED DESIGN	Plotting of Shear force and bending moment diagram of beam using MATLAB
03	COMPUTER AIDED DESIGN	Drawing of Shear force and bending moment diagram of frames using MATLAB
04	COMPUTER AIDED DESIGN	Plotting of Shear force and bending moment diagram of arches using MATLAB
05	COMPUTER AIDED DESIGN	Calculation and plotting of ILDs of beam using MATLAB
06	COMPUTER AIDED DESIGN	Calculation and plotting of ILDs of frames using MATLAB
07	COMPUTER AIDED DESIGN	Calculation and plotting of ILDs of arches using MATLAB
08	COMPUTER AIDED DESIGN	Plotting of stress contours using MATLAB
09	COMPUTER AIDED DESIGN	Introduction to Graphic Software: Basic commands, plotting of graphs and data analysis.

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
01	GEOTECHNICAL ENGINEERING LABORATORY	Determination of specific gravity of soil grains
02	GEOTECHNICAL ENGINEERING LABORATORY	Determination of grain size distribution of soil: (a) sieve analysis; (b) Hydrometer/pipette test
03	GEOTECHNICAL ENGINEERING LABORATORY	Determination of Atterberg limits of soil: (a) liquid limit, (b) plastic limit, (c) shrinkage limit
04	GEOTECHNICAL ENGINEERING LABORATORY	Measurement of unit weight of soil in the field: (a) Core cutter method, (b) Sand replacement method
05	GEOTECHNICAL ENGINEERING LABORATORY	Determination of Density-water content relationship of soil: Proctor compaction tests
06	GEOTECHNICAL ENGINEERING LABORATORY	Determination of relative density of granular soil
07	GEOTECHNICAL ENGINEERING LABORATORY	Determination of shear strength of soil: (a) Direct shear test (b) Tri-axial shear test, (c) Unconfined compression test (d) Vane shear test
08	GEOTECHNICAL ENGINEERING LABORATORY	Determination of consolidation characteristics of soil using fixed ring Oedometer
09	GEOTECHNICAL ENGINEERING LABORATORY	Determination of California Bearing Ratio (CBR) of soaked and un-soaked soil samples
10	GEOTECHNICAL ENGINEERING LABORATORY	Determination of coefficient of permeability of soil: (a) Constant head Permeameter (b) Falling Head Permeameter

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
01	MATERIAL TESTING LABORATORY	Determination of Fineness modulus by sieve analysis and/or by air permeability method
02	MATERIAL TESTING LABORATORY	standard consistency
03	MATERIAL TESTING LABORATORY	setting times, soundness, specific gravity, compressive strength
04	MATERIAL TESTING LABORATORY	Sieve analysis of fine aggregate and coarse aggregates for determination of fineness modulus and grain size distribution
05	MATERIAL TESTING LABORATORY	determination of water absorption and specific gravity of fine aggregate and coarse aggregates
06	MATERIAL TESTING LABORATORY	bulking of sand, crushing value of coarse aggregates
07	MATERIAL TESTING LABORATORY	Tensile strength of mild steel and HYSD Bars
08	MATERIAL TESTING LABORATORY	Determination of shape, size and Water absorption of Bricks
09	MATERIAL TESTING LABORATORY	Compressive strength, flexural strength and split tensile strength of concrete

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
01	SURVEY FIELD WORK	Testing of chain and measurement of correct length of the line and chain traversing
02	SURVEY FIELD WORK	Traversing by Compass
03	SURVEY FIELD WORK	Horizontal and vertical angle measurement by theodolite
04	SURVEY FIELD WORK	Traversing by theodolite
05	SURVEY FIELD WORK	Use of dumpy level and automatic level for fly levelling.
06	SURVEY FIELD WORK	Contouring of an area
07	SURVEY FIELD WORK	Measurement of distance, horizontal and vertical angle by Total Station
08	SURVEY FIELD WORK	Contouring by Total Station

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
01	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Determination of Taste, Odour and Colour of water/wastewater sample
02	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Determination of pH, Temperature, E. Conductivity and D.O. of water/wastewater sample
03	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Determination of TS, TDS and SS of water/wastewater sample
04	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Determination of hardness & alkalinity of water sample
05	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Determination of Turbidity and SO_4^{2-} of water sample
06	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Determination of Ca^{+2} , Na^+ and K^+ of water sample
07	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Determination of residual chlorine and Cl^- of water sample
08	WATER SUPPLY & SANITARY	Determination of BOD of water/wastewater sample

	ENGINEERING LABORATORY	
09	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Determination of COD of water/wastewater sample
10	WATER SUPPLY & SANITARY ENGINEERING LABORATORY	Microbiological analysis of water/wastewater sample

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
01	Design of Concrete Structures Lab	Workability test of concrete: Slump test, compaction factor test and flow table test
02	Design of Concrete Structures Lab	2. Cube Test of Concrete (Nominal Mix)
03	Design of Concrete Structures Lab	3. Cylinder Test for Concrete (Nominal Mix): Determination of axial stress, longitudinal strain, lateral strain and Poisson's ratio. Plotting of stress-strain curve and determination of modulus of elasticity.
04	Design of Concrete Structures Lab	Split Tensile Strength Test of Concrete
05	Design of Concrete Structures Lab	5. Prism test for determining modulus of rupture of concrete
06	Design of Concrete Structures Lab	6. Design of Concrete Mix (As per Indian Standard Method)
07	Design of Concrete Structures Lab	7. Failure of RC beam in bending and shear (two point and one point loading)
08	Design of Concrete Structures Lab	8. Complete design of a simple load bearing residential building comprising of beams, slab,

Sl. No.	Name of the Laboratory	List of Experimental Setup in each Laboratory/Workshop
01	Steel Structures Lab	Design and detailing of steel roof trusses/ industrial buildings
02	Steel Structures Lab	Design of columns (with lacing and battening) and column bases
03	Steel Structures Lab	Design of plate girders and gantry girder
04	Steel Structures Lab	Detailing of structural steel connections, seated and framed connections



Seemanta

Engineering College

An ISO Certified Institution, Approved by AICTE, DTET & Affiliated to BPUT and SCTE & VT, Odisha

Letter No. SEC/240/26

Date 21/01/2026

Incubation and Innovation Cell (IIC Cell)

Members of IIC Cell

Chairperson	Prof. (Dr.) Binod Kumar Prusty, Principal		
Coordinator of the IIC	Dr. Jyotiprava Mohanta, Associate Professor, Dept of ETC		
Teacher's Representatives	Name of Teacher	Designation	Department
	Ms Subasmita Pani	Assistant Professor	CSE
	Mr. Ankit Mohanta	Assistant Professor	ME
	Mrs. Dipanwita Sahu	Assistant Professor	ETC
	Dr. Asit Kumar Patra	Associate Professor	EE
	Dr. Deepak Kumar Maharana	Assistant Professor	EEE
	Ms. Sulagna Das	Assistant Professor	CE
	Dr. Bishwamitra Rana	Assistant Professor	MCA
Member(s) of Management	Sri A.K.Dwari, Governing Body		
Alumni Coordinator	Rtn. Er. Saumyaranjan Mishra, Serial Entrepreneur, Startup Mentor		
Industry Expert / Associate Representative	Rtn. Niroj Kumar Panda, President, Mayurbhanj Chamber of Commerce and Industry		
Representative from the nearby IIC Centre	Prof. (Dr.) M. Hima Bindu, Director, IIC, MSCB University, Baripada		
Student Representative	Girls	Ms Dibyarati Basuri, 2 nd Year, Dept of CSE	
	Boys	Mr Mahammad Modassir, 2 nd Year, Dept of ETC	

Principal, Seemanta Engineering College

Seemanta Engineering College
Mayurbhanj, Jharkhand

COPY TO: Finance member(s), Dean (Academic), HOD(s), Establishment Section, Academic Section, SIC, forwarded to all persons concerned for information and necessary action

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Engineering College

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Letter No. SBC/1268/25

Date 20/09/2025

MEDIA CELL

Seemanta Engineering College, Jharpokharia, Mayurbhanj, Odisha - 757086 has a Media Cell for handling PR activities of the college. The Cell manages the media relations of the institute and keeps the media updated with the happenings at the institute. This primarily involves covering various events of the college, writing press releases, taking photographs and ensuring that each and every event of the college gets its due media coverage. The Cell provides content for periodic updating of the college website. Also the official Facebook page of college is managed by this cell.

Working Committee

Sl. No.	Name of the Members	Designation / Department	Role
1	Prof.(Dr.) Prasanta Nayak	Principal	Chairperson
2	Prof.(Dr.) A.K.Sahu	Dean, Academic	Member
3	Prof.(Dr.) S.D.Kalia	HOD, Humanities	Member
4	Mr. Ananda Sankar Mohapatra	Associate Professor, Management.	Member
5	Mrs. Sarojini Sethi	Associate Professor, ETC Engg.	Member

Prasanta Nayak
20/09/25
Principal
SEC, Mayurbhanj, Jharpokharia
Principal
Seemanta Engg. College
Jharpokharia, Mbj.

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Engineering College

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Letter No. SEC/1682/25

Date 08/12/2025

A Compliance Report on National Academic Depository (NAD)

This is to certify that Seemanta Engineering College, Jharpokharia, Mayurbhanj, Odisha – 757086 is affiliated to Biju Patnaik University of Technology, Rourkela, Odisha. The institute functions as per the directives of the University. The University is the examining body and issuing authority of awards and certificates to the students in which an affiliated institute has no role to play.

Therefore the institute is no way authorized to undertake the digitization work of academic awards viz. certificates, diplomas, degrees, mark-sheets etc. although it desires so, as it would greatly facilitate the students, institutes and other agencies to access the stored digital data under one depository “DigiLocker” without any hassles.

Principal
08/12/25

Principal

Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

Campus : Mayurvihar, Jharpokharia, Mayurbhanj, Odisha, India-757086 | City Office : Baripada, Mayurbhanj

principal@seemantaengg.ac.in | 7381244960 , 9437035120 | www.seemantaengg.ac.in

Enrolment and placement details of students in the last 3years

Academic Year: 2022-23

Sl. No.	Discipline	Students Enrolment	Number of Students selected for Placement	Name of Organization/Company	Package
1	Civil Engineering	32	8	Bhaskar Engineering Degn	1.6 lakhsto 2.4 lakhs
2	Computer Science & Engineering	48	2	Dhoot Transmission (P)Ltd	1.8 lakhsto 2.4 lakhs
3	Mechanical Engineering	36	7	Dhoot Transmission (P)Ltd	1.8 lakhsto 2.4 lakhs
4	Electrical Engineering				
5	Electronics & Telecommunication Engineering	8	1	Dhoot Transmission (P)Ltd	1.8 lakhsto 2.4 lakhs
6	Electrical & Electronics Engineering	12	5	Dhoot Transmission (P)Ltd	1.8 lakhsto 2.4 lakhs
7	MCA				
8	Electrical Engineering (M.Tech)				
9	Mechanical Engineering (M.Tech)				
10	Electrical Engineering (Diploma)	0	0		
11	Mechanical Engineering (Diploma)	47	41	TAFE , Bengaluru L & T , Amritsar	2 lakhs to 3.4 lakhs
12	Civil Engineering (Diploma)	44	5	Trigeo pvt Ltd , Bangalore	2 lakhs to 3.2 lakhs

Academic Year: 2023-24

Sl. No.	Discipline	Students Enrolment	Number of Students selected for Placement	Name of Organization/Company	Package
1	Civil Engineering	34	2	Trigeo pvt Ltd , Bangalore	1.8 lakhs to 3.2 lakhs
2	Computer Science & Engineering	51	4	Q-Spiders, Bhubaneswar	2 lakhs to 3.6 lakhs
3	Mechanical Engineering	47	5	Polybond India Limited, Pune	1.8 lakhs to 3.2 lakhs
4	Electrical Engineering	8			
5	Electronics & Telecommunication Engineering	10	3	Polybond India Limited, Pune	1.8 lakhs to 3.2 lakhs

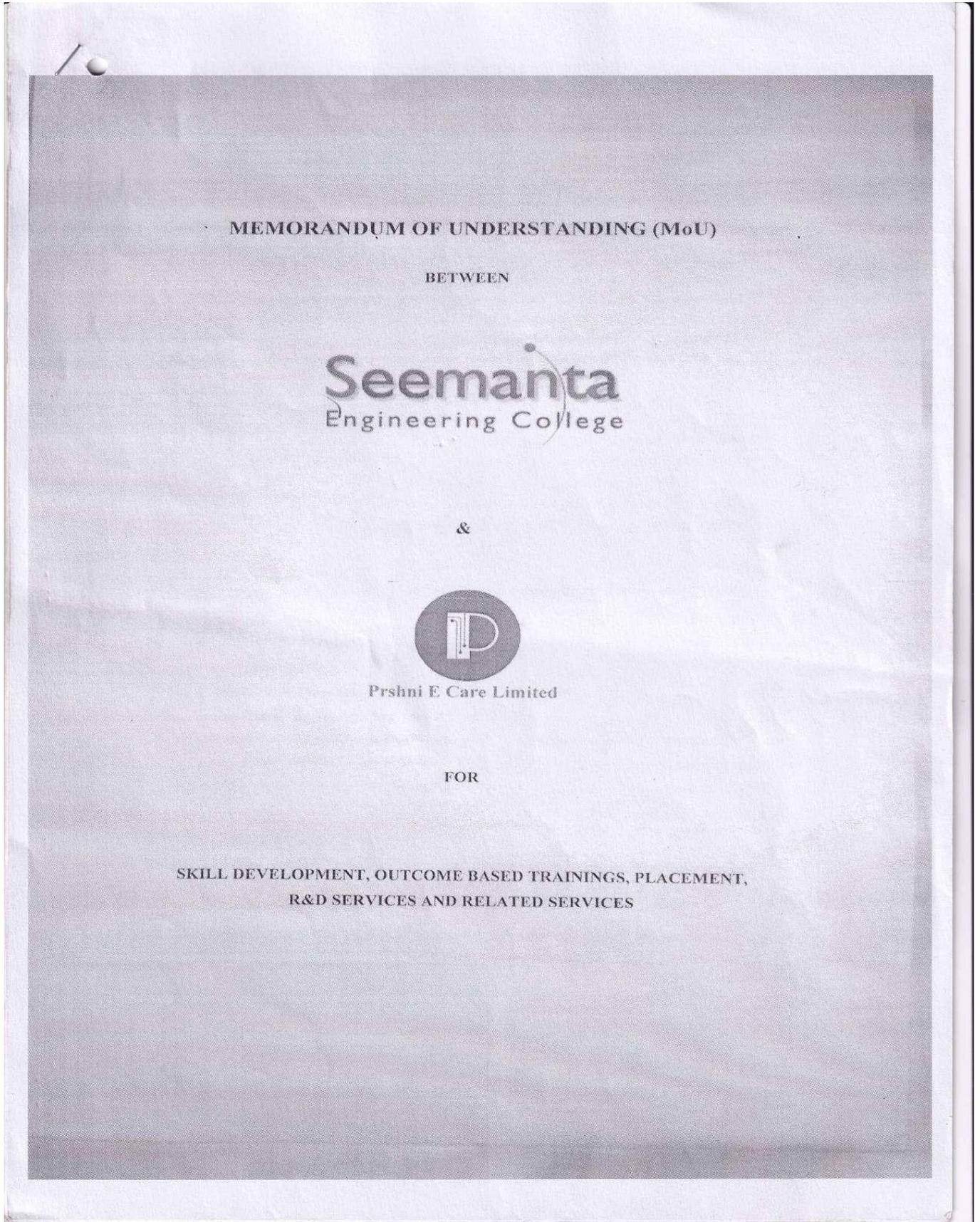
6	Electrical & Electronics Engineering	8	2	Polybond India Limited, Pune	1.8 lakhs to 3.2 lakhs
7	MCA		1	Q-Spiders, Bhubaneswar	2 lakhs to 3.6 lakhs
8	Electrical Engineering (M.Tech)				
9	Mechanical Engineering (M.Tech)				
10	Electrical Engineering (Diploma)	50	7	Hitachi Astemo Gurugram Powertrain Syatem Pvt. Ltd	1.78Lakhs to 2.2 Lakhs
11	Mechanical Engineering (Diploma)	42	25	<p>Panse</p> <p>Hitachi Astemo Gurugram Powertrain Syatem Pvt. Ltd</p> <p>Hitachi Astemo Gurugram Powertrain Syatem Pvt. Ltd</p>	1.78Lakhs to 2.2 Lakhs
12	Civil Engineering (Diploma)				

Academic Year: 2024-25

Sl. No.	Discipline	Students Enrolment	Number of Students selected for Placement	Name of Organization/Company	Package
1	Civil Engineering				
2	Computer Science & Engineering				
3	Mechanical Engineering	47	24	MRF Tayare, Flash Electronics	2.4Lakhs to3.4Lakhs per Annum
4	Electrical Engineering	8	4	Qspiders , Bangalore PANSE , Pune	2.4Lakhs to3.4Lakhs per Annum
5	Electronics & Telecommunication Engineering	10	3	Qspiders , Bangalore PANSE , Pune	2.4Lakhs to3.4Lakhs per Annum
6	Electrical & Electronics Engineering	8	2	Qspiders , Bangalore PANSE , Pune	2.4Lakhs to3.4Lakhs per Annum
7	MCA				
8	Electrical Engineering (M.Tech)				
9	Mechanical Engineering (M.Tech)				
10	Electrical Engineering (Diploma)	50	21	MRF Tayare, Flash Electronics	1.8 lakhs to 2.6 lakhs
11	Mechanical Engineering (Diploma)	42	18	MRF Tayare, Flash Electronics	1.8 lakhs to 2.6 lakhs

12	Civil Engineering (Diploma)	45	2	MRF Tayare, Flash Electronics	1.8 lakhs to 2.6 lakhs
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ANNEXURE –24



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 16th day of February Two Thousand and Nineteen (16/02/2019), by and between

Seemanta Engineering College, Mayur Vihar, Jharpokharia, Mayurbhanj, Odisha, Pin – 757086, the First Party represented herein by its Principal, Prof.(Dr.) Manas Ranjan Pani, aged about 46 yrs, S/o- Late Shirish Chandra Pani of Ward No.-18, Jail Road , Bhanjpur, Baripada, Mayurbhanj-757002 (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

Prshni E Care Ltd, Station Bazar, Baripada, Mayurbhanj, Odisha, 757001, the Second Party, and represented herein by its Director, **Malaya Rout**, aged about 34 yrs S/O- Madhusudan Rout of Unit 5, Bhubaneswar, Odisha- 751001, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

WHEREAS:

- A) First Party is a Higher Educational Institution named:
Seemanta Engineering College, Mayurbhanj
- 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 and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MoU for advancing their mutual interests.
- E) **Prshni E Care Ltd**, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R&D Services in the fields of *Manufacturing Technology* and related fields

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MoU, THE PARTIES HERE TO AGREE AS FOLLOWS:

**CLAUSE 1
CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.
- 1.3 The general terms of co-operation shall be governed by this MoU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MoU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MoU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2
SCOPE OF THE MoU**

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight in to 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. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party.

- 2.4 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of software development.
- 2.5 **Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.
- 2.6 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
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- 2.8 **Placement of Trained Students:** Second Party will actively engage to help the delivery of the training and placement of students of the First Party into internships/jobs.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programmes on the terms specified herein
- 2.10 There is no financial commitment on the part of the **Seemanta Engineering College**, the First Party to take up any programme mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

CLAUSE 3 INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MoU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

- 4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **Prshni E Care Ltd**, the Second Party, as the case may be, will take effective steps for implementation of this MoU. Any act on the part of **Prshni E Care Ltd**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MoU
- 4.2 Both Parties may terminate this MoU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

**CLAUSE 5
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. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MoU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

First Party

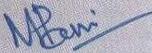
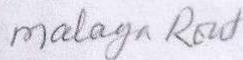
Second Party

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of Baripada.

AGREED:

For Seemanta Engineering College

For Prshni E Care Ltd

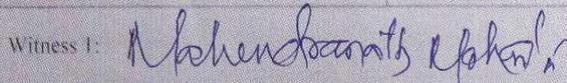



Principal
Authorized Signatory
Seemanta Engineering College

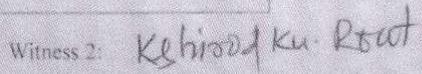
Authorized Signatory

Mayurbhanj, Jharpokharia Seemanta Engineering College	Prshni E Care Ltd
Mayur Vihar, Jharpokharia, Mayurbhanj-757086	Station Bazar, Baripada- 757001
7381244960	9040076101
E-mails: principal@seemantaengg.ac.in	E-mails: prshniecareltd@gmail.com
Web: seemantaengg.ac.in	Web: prshni.in

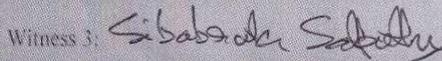
Witness 1:



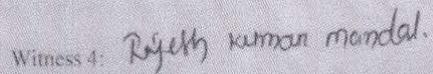
Witness 2:



Witness 3:



Witness 4:



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AND

Allay Software Solutions, Plot No. B-140, 1st Floor, HIG Duplex, BDA, Baramunda, PS-Khandagiri, Bhubaneswar, Dist- Khurda, Odisha, Pin.- 751003, the Second Party, and represented herein by its **Head, Chitta Ranjan Sahu, aged about 48 yrs S/O- Bipin Bihari Sahu of 6B, 6th Floor, Metro Mansion Apartment, Rabi talkies Square, Bhubaneswar, Odisha-751002,** (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

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- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MoU for advancing their mutual interests.
- E) **Allay Software Solutions**, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R&D Services in the fields of **Information Technology** and related fields

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MoU, THE PARTIES HERE TO AGREE AS FOLLOWS:



MP Pani
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

Chitta Ranjan Sahu
Circular stamp of Allay Software Solutions, Bhubaneswar, Odisha.

**CLAUSE 1
CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
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SCOPE OF THE MoU**

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
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MP
Principal
Soemanta Engineering College
Mayurbhanj, Jharpokharia

Chitta Ranjan Saha
A circular purple stamp with the text "Alay Software Solutions" around the top edge and "Bhubaneswar" around the bottom edge.

- 2.4 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of software development.
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CLAUSE 4 VALIDITY

- 4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **Allay Software Solutions**, the Second Party, as the case may be, will take effective steps for implementation of this MoU. Any act on the part of **Allay Software Solutions**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MoU
- 4.2 Both Parties may terminate this MoU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations




Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia


Chitta Ranjan


**CLAUSE 5
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Second Party

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AGREED:

For Seemanta Engineering College

For Allay Software Solutions



[Signature]
Principal

Seemanta Engineering College
Authorized Signatory
Mayurbhanj, Jharpokharia

[Signature]
Chitta Ranjan Sahu
Authorized Signatory



Seemanta Engineering College	Allay Software Solutions
Mayur Vihar, Jharpokharia, Mayurbhanj-757086	Plot No. B-140, 1 st Floor, HIG Duplex, BDA, Baramunda, PS-Khandagiri, Bhubaneswar, Dist- Khurda, Odisha, Pin.- 751003
7381244960	0674-2354859
E-mails: principal@seemantaengg.ac.in	E-mails: allay@allaysoft.com
Web: seemantaengg.ac.in	Web: allaysoft.com

Witness 1: *[Signature]* Mahanta

Witness 2: *[Signature]* Chitta Sahu

Witness 3: *[Signature]* Debansh Behera

Witness 4: *[Signature]* Chitta Ranjan Sahu



PANDA MOTORS

Authorised Service Station

TATA MOTORS

GSTIN - 21AELPP6063R1ZV

From
Panda Motors
Baripada

To
The Principal
Seemanta Engineering College
Jharpokharia, Mayurbhanj

Sub- Consent letter to importing training of student under skill development scheme for the year 2018-19

Dear Sir,

Vide your letter No –SEC/343(7)/18, Dt-28-03-2018. We like to extant our consent for the above noted period to impart training for students under skill development scheme.

Thanking you
Yours faithfully

M/s. PANDA MOTORS
Sanjit Panda 12/04/2018
Proprietor
Sanjit Kumar Panda
Proprietor Panda Motors



Letter No. 009/2018-2019

6th April 2018

Letter of Intent (LOI)

To,
Principal,
Seemanta Engineering College,
Mayurbhanj, Jharpokharia.

From
M/s. Sun Honda
Baripada, Mayurbhanj

Sub: Expression of Interest for providing practical training to students.

Dear Sir,

With reference to your letter no. SEC/343(7) /18 dated 28th March 2018, we are hereby expressing our interest to provide practical training to the students related to Automobiles Service for the session 2018-19. We are extending our willingness for the MOU.

Thanking you.

Yours sincerely,
SUN HONDA

Anesh Agarwal
Proprietor
M/s. Sun Honda
Baripada, Mayurbhanj

Sun Honda

Station Road, Baripada-757001, Tel : 06792-256999 / 257899

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

Seemanta
Engineering College

&

 **TechLand Systems Pvt. Ltd.**
Uniting Resources Of All Lands, Enabling Technology.
(An ISO 9001:2015 Certified Company)

FOR

SKILL DEVELOPMENT, OUTCOME BASED TRAININGS, PLACEMENT,
R&D SERVICES AND RELATED SERVICES

FOR TECHLAND SYSTEMS PVT. LTD.



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 16th day of February Two Thousand and Nineteen (16/02/2019), by and between

Seemanta Engineering College, Mayur Vihar, Jharpokharia, Mayurbhanj, Odisha, Pin – 757086, the First Party represented herein by its Principal, Prof.(Dr.) Manas Ranjan Pani, aged about 46 yrs, S/o- Late Shirish Chandra Pani of Ward No.-18, Jail Road , Bhanjpur, Baripada, Mayurbhanj-757002 (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

Tech Land Systems Pvt. Ltd., Plot No- 37A & B2, Varun Plaza, Kushaiguda Industrial Area, EC Ext, Hyderabad- 500062, the Second Party, and represented herein by its Head, Pradeep Kumar Ray, aged about 39 yrs S/O- Lokanath Ray of Flat No- 204, Sri Sai Apatments, Kamala Nagar, ECIL Post, Hyderabad-500062 (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

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WHEREAS:

- A) First Party is a Higher Educational Institution named:
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- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MoU for advancing their mutual interests.
- E) **Tech Land Systems Pvt. Ltd**, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R&D Services in the fields of *Energy management services* and related fields

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MoU, THE PARTIES HERE TO AGREE AS FOLLOWS:



Manas Ranjan Pani
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

For TECHLAND SYSTEMS PVT. LTD.
Pradeep Kumar Ray
DIRECTOR

**CLAUSE 1
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MP
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia



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- 2.5 **Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.
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- 2.7 **Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.
- 2.8 **Placement of Trained Students:** Second Party will actively engage to help the delivery of the training and placement of students of the First Party into internships/jobs.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programmes on the terms specified herein
- 2.10 There is no financial commitment on the part of the **Seemanta Engineering College**, the First Party to take up any programme mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

CLAUSE 3 INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MoU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

- 4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **Tech Land Systems Pvt. Ltd.**, the Second Party, as the case may be, will take effective steps for implementation of this MoU. Any act on the part of **Tech Land Systems Pvt. Ltd.**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MoU
- 4.2 Both Parties may terminate this MoU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations



M. Ban
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

For TECHLAND SYSTEMS PVT. LTD.



**CLAUSE 5
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. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MoU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

First Party

Second Party

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of **Baripada**.



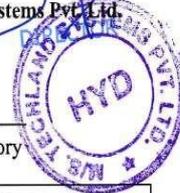
AGREED:

For Seemanta Engineering College
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

Authorized Signatory

For TECHLAND SYSTEMS PVT. LTD.

For Tech Land Systems Pvt. Ltd.



Authorized Signatory

Seemanta Engineering College	Tech Land Systems Pvt. Ltd.
Mayur Vihar, Jharpokharia, Mayurbhanj-757086	Plot No- 37A & B2, Varun Plaza, Kushaiguda Industrial Area, EC Ext, Hyderabad- 500062
7381244960	8978000032
E-mails: principal@seemantaengg.ac.in	E-mails: pk@techlandsys.com
Web: seemantaengg.ac.in	Web: techlandsys.com

Witness 1: Chittaranjan Mohanta

Witness 2: Krishna Chandra

Witness 3: Pravas Kumar Serapali

Witness 4: Probendra Jena

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 16th day of February Two Thousand and Nineteen (16/02/2019), by and between

Seemanta Engineering College, Mayur Vihar, Jharpokharia, Mayurbhanj, Odisha, Pin – 757086, the First Party represented herein by its Principal, Prof.(Dr.) Manas Ranjan Pani, aged about 46 yrs, S/o- Late Shirish Chandra Pani of Ward No.-18, Jail Road , Bhanjpur, Baripada, Mayurbhanj-757002 (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

Glory Engineering Concern, Om Complex, Sastitala, Dankuni, Hooghly-711331, the Second Party, and represented herein by its Head, Arijit Ghosh, aged about 30 yrs S/O- Late Ashim Ghosh of Kashipur, Dasnagar, Near CTI, Howrah- 711105, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

WHEREAS:

- A) First Party is a Higher Educational Institution named:
Seemanta Engineering College, Mayurbhanj
- 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 and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MoU for advancing their mutual interests.
- E) **Glory Engineering Concern**, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R&D Services in the fields of *Manufacturing Technology* and related fields

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MoU, THE PARTIES HERE TO AGREE AS FOLLOWS:



Manas Ranjan Pani
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

GLORY ENGINEERING CONCERN

Arijit Ghosh
Proprietor

**CLAUSE 1
CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.
- 1.3 The general terms of co-operation shall be governed by this MoU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MoU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MoU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2
SCOPE OF THE MoU**

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight in to 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. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party.



[Signature]
Principal
Seemanta Engineering College
Burdwan, Jharkhand

GLORY ENGINEERING CONCERN
[Signature]
Proprietor

- 2.4 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of software development.
- 2.5 **Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.
- 2.6 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
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M. B. Singh
Principal
Seemanta Engineering College
Mayurbhanj, Jharpokharia

GLORY ENGINEERING CONCERN
Arijit Ghosh
Proprietor

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Second Party

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AGREED:



Seemanta Engineering College

[Signature]
Principal

Authorized Signatory
Mayurbhanj, Jharkhand

**For Glory Engineering Concern
GLORY ENGINEERING CONCERN**

[Signature]
Proprietor

Authorized Signatory

Seemanta Engineering College	Glory Engineering Concern
Mayur Vihar, Jharpokharia, Mayurbghanj-757086	Om Complex, Sasitala, Dankuni, Hooghly- 711331
7381244960	9051896005
E-mails: principal@seemantaengg.ac.in	E-mails: gloryengconcern@gmail.com
Web: seemantaengg.ac.in	Web:

Witness 1: *[Signature]*

Witness 2: *[Signature]*

Witness 3: *[Signature]*

Witness 4: *[Signature]*