Mandatory Disclosure

1. **Name of the Institution-** Xavier Institute of Polytechnic and Technology, **Address-** Vill- Bargawan, P.O+P.S- Namkum, Dist.- Ranchi, Jharkhand 834010. **Phone No**.- 0651-2260217, Mobile No.-9934575084, **E-Mail-**xipt@xiss.ac.in

2. **Name and Address of the Society-Xavier Institute of Social Service Address**- Dr. Camil Bulcke Path (Purulia Road), Ranchi, P.O-G.P.O, Ranchi, Dist- Ranchi, Jharkhand, Pin Code- 834001 Telephone No..–0651-2200873 **E-Mail–**xiss@xiss.ac.in

3. **Name and Address of the Principal In-Charge – Mr. Raj Kumar.**
   Address: - Xavier Institute of Polytechnic and Technology, Bargawan, Namkum, Dist.- Ranchi, Jharkhand-834010
   MobileNo-7004305592
   E-Mail- rajkumar.cit2k7@gmail.com

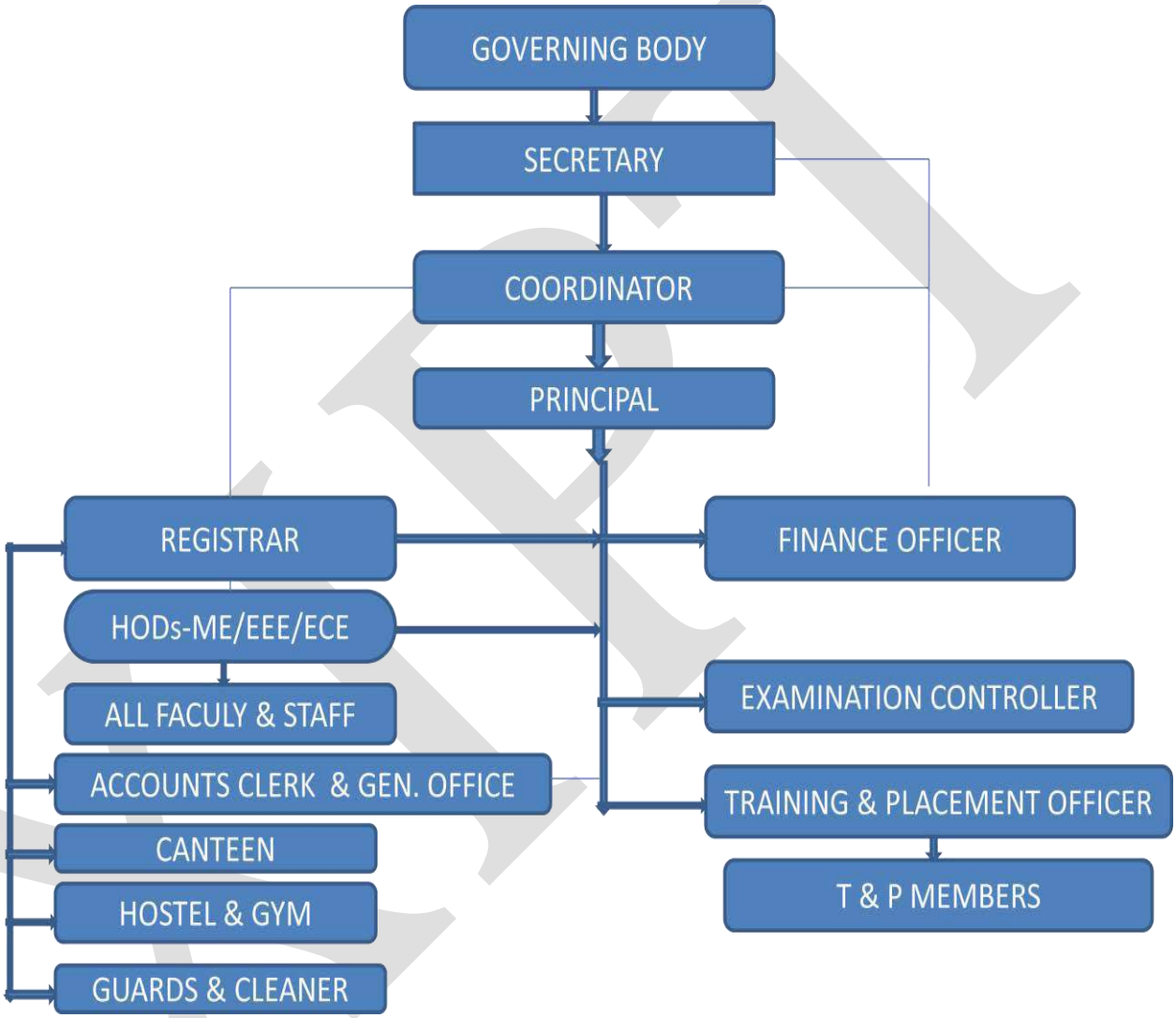
4. **Name of the affiliating University–**Jharkhand University of Technology, Ranchi, Jharkhand.
5. **Governance**

- Members of the Board and their brief background

Sl. No.	Name & Father's Name	Designation
1.	Fr. Ajit Kumar Xess, S.J. S/o Louis Xess	Chairman
2.	Fr. Alexius Ekka S/o Stanislas Ekka	Vice Chairman
3.	Fr. Joseph Marianus Kujur, S.J. S/o Joachim Kujur	Secretary
4.	Fr. Pradeep Kerketta, S.J. S/o Joseph Kerketta	Assistant Secretary
5.	Fr. Francis David Kullu, S.J. S/o Mathias Kullu	Member
6.	Fr. Nabor Lakra, S.J S/o Leonard Lakra	Member
7.	Fr. John Ekka, S.J. S/o Augustine Ekka	Member
8.	Fr. Xavier Soreng, S.J. S/o Joachim Soreng	Member
9.	Fr. Emmanuel Barla, S.J. S/o John Barla	Member

10.	Fr. Roshan Baa, S.J. S/o Jowakim Baa	Member
11.	Fr. Vijay Tirkey,S.J. S/o Julias Tirkey	Member
12.	Fr. Ashok Ohol, S.J. S/o Laxman Dhondiba Ohol	Member

a) Organizational Chart



b. Grievance redressal mechanism for Faculty, staff and students- **Available**
c. Establishment of Anti Ragging Committee- **Available**

Members of Anti-ragging Committee and Squad

1) Anti-ragging Committee:

1. Mr. Raj Kumar — Chairman
   Principal In-Charge
2. Ms. Gulfshan — Member
   Lecturer & H.O.D In-Charge of EEE
3. Ms. Anshu Mala Kispotta — Member
   Lecturer & H.O.D In-Charge of ECE
4. Mr. Manas Rajhans Chaubey — Member
   Lecturer
5. Ms. Lily Lakra — Member
   Lecturer
6. Mr. Alvin Bage — Member
   Lecturer
7. Mr. Avtar Krishna — Member
   Lecturer
8. Mr. Amit Minz — Member
   Lab Asst
9. Prabhat Khabar — Member
   Media Representative
10. Police Officer In-charge — Member
    Namkum Police Station
11. Mukhiya — Member
    Bargawan Village
12. Mr. Prakash Chandra Sahu — Member
    Parents
13. Sharukh Hussain — Member
    Student, Department of ECE
14. Abhijeet Mishra — Member
    Student, Department of ME
15. Sachin Karmakar — Member
    Student, 1st Year
16. Arju Gupta — Member
    Student, 1st Year

2. Aniti - Ragging Squad

1. Ms. Gulfshan — Chairman
   Lecturer & H.O.D In-Charge of E E E
2. Ms. Anshu Mala Kispotta — Member
   Lecturer & H.O.D In-Charge of ECE
3. Mr. Ratnesh Kumar — Member
   Lecturer
4. Ms. Dipti Analisa Ekka — Member
   Lecturer
5. Ms. Rashmi Kiran Kujur — Member
   Lecturer
6. Mr. Alok Niranjan Kumar — Member
   Lecturer
7. Mr. Avtar Krishna — Member
   Lecturer
8. Ms. Soharai Munda — Member
   Lab Technician
9. Ms. Shobha Horo — Member
   Technician
10. Ms. Bina Lucas — Member
    Office Assistant

d) Establishment of Online Grievance Redressal Mechanism- **Available**

e) Establishment of Grievance Redressal Committee in the Institution andAppointment of OMBUDSMAN by the University

f) Establishment of Internal Complaint Committee) ICC)-

Available Members of Internal Complaint Committee

1.	Ms. Gulfshan	Chairperson
2.	Ms. Anshu Mala Kispotta	Member
3.	Mr. Avtar Krishna	Member
4.	Mr. Innu Kachhap	Member
5.	Ms. Mary Kiran Prabha Minz	Member
6.	Ms. Rashmi Kerketta	Student
7.	Ms. Simran Esa Baraiud	Student
8.	Ms. Angela Khalkho	Student

g) **Establishment of Committee for SC/ST**

Available Member of SC/ST Committee

Sl. No	**Name**
1.	Mr. Alvin A. Bage
2.	Ms. Lily Lakra
3.	Ms. Rashmi Kiran Kujur
4.	Mr. Lochan S. Khalkho
5.	Mr. Avtar Krishna

h) **Internal Quality Assurance Cell**

-

Available Member of Internal Quality Assurance Cell

1	Mr. Raj Kumar Principal In-Charge	Chairperson
2	Mr. Lochan S. Khalkho Lecturer	Coordinator
3	Fr. Xavier Soreng S.J Coordinator XIPT	Member
4	Ms. Gulfshan Lecturer & HoD I/C EEE	Member
5	Ms. Anshu Mala Kispotta Lecturer & HoD I/C ECE	Member
6	Mr. Ratnesh Kumar Lecturer	Member
7	Mr. Pankaj Purendu Fculty, JGGTP	Member
8	Mr. Rupesh Rawani Sr. Engineer Application (Komet PrecisionPvt. Ltd.)	Member
9	Ms. Sapan Misri Alumini	Member
10.	Mr. Vivek Gond Alumini	Member
11	Mukesh Choudhary Student, Department of Electrical and Electronics Engineering	Member
12	Mr. Nishant Kumar Student, Department of Mechanical Engineering	Member

i) **Institute- Industry Interface Cell(I-IIC)**

Available Member of Institute Industry Interface Cell

SL.No	Name	Designation	Organization
1	Mr. Raj Kumar	Principal In-Charge	Service -XIPT
2	Moloy Acharjee	Principal	TPSDI
3	M.K. Gupta	Principal	JGTR
4	Rupesh Rawani	Sr. Engineer	TATA HITACHI
5	Abhimanu Kumar	Hr Manager	RAKON INDIA
6	Gulfshan	Lecturer	Service -XIPT

i. Equal Opportunity Cell

Available Member of Equal Opportunity Cell

Sl. NO	Name	Designation
1	Mr. Raj Kumar	Chairperson
2	Mr. Alok Niranjan Kumar	Member
3	Ms. Gulfshan	Member
4	Ms. Anshu Mala Kispotta	Member
5	Dr. Manas Rajhans Chaubey	Member
6	Mr. Avtar Krishna	Member
7	Ms. Neha Nupoor Mundu	Member

j. Grievance Redressal Mechanism Committee

Available Member of Grievance Redressal Mechanism Committee

1	Mr. Raj Kumar Principal In-Charge	Chairperson
2	Smt. Garima Singh Director DHTE Jharkhand	Member
3	Mr. G.P. Kujur Professor JUT	Member
4	Mr. Lochan S. Khalkho Lecturer XIPT	Member

6. Programmes

a) Name of Programmes approved by AICTE

1.	Mechanical Engineering
2.	Electrical and Electronics Engineering
3.	Electronics and Communication Engineering

a. Name of Programmes Accredited by NBA – **N.A.**
b. Status of Accreditation of the Courses-NA
c. Total number of Courses- **03**
d. No. of Courses for which applied for Accreditation-**Nil**

3. For each Programme the following details are to be given

Name of Programme	**Diploma in Mechanical Engineering**			
Number of Seats	108 + 6 (TFWS)			
Duration	3 Years			
Cut of Marks/rank of admission during thelast three years	2020-21	2021-22	2022-23	
	43 % in Matriculation (Batch2020-23)	40 % Matriculation (Batch2021-24)	40 % Matriculation (Batch2022-25)	
Fee (as approved by the State government)	58300/-			
Placement Facility	Yes			
	Year	2019-20	2020-21	2021-22
	Minimum salary	1.2 Lakh/Annual	NA	1.02 Lakh/Annual
	Maximum salary	3.17 Lakh/Annual	NA	2.4 Lakh/Annual
	Averagee salary	1.44 Lakh/Annual	NA	1.2 Lakh/Annual

Name of Programme	**Diploma in Electrical and Electronics Engineering**		
Number of Seats	108 + 6 (TFWS)		
Duration	3 Years		
Cut of Marks during thelast three years	2020-21	2021-22	2022-23
	45 % in Matriculation (Batch 2019-22)	40.8 % in Matriculation (Batch 2020-23)	40 % in Matriculation (Batch 2022-25)

Fee	58300/-			
Placement Facility	Yes			
Campus Placements inlast three years with minimum Salary, Maximum salary and average salary	Year	2020-21	2021-22	2022-23
	Minimum salary	1.2 Lakh/Annual	NA	1.02 Lakh/Annual
	Maximum salary	1.8 Lakh/Annual	NA	2.4 Lakh/Annual
	Average salary	3 Lakh/Annual	NA	1.2 Lakh/Annual

Name of Programme	**Diploma in Electronics and Communication Engineering**		
Number of Seats	54 +3 (TFWS)		
Duration	3 Years		
Cut of Marks during thelast three years	43.2%in2020-21	2021-22	2022-23
	43% in Matriculation (Batch2019-22)	46%in Matriculation (Batch2020-23)	55 % in Matriculation (Batch 2021-24)
Fee	58300/-		
Placement Facility	Yes		

Campus Placements inlast three years with minimum Salary, Maximum salary and average salary	Year	2019-20	2020-21	2021-2022
	Minimum salary	1.2Lakh/Annual	NA	1.02 Lakh/Annual
	Maximum salary	1.8 Lakh/Annual	NA	2.4 Lakh/Annual
	Average salary	1.4Lakh/ Annual	NA	1.2 Lakh/Annual

7. Faculty

1. Branch wise list Faculty members:

a. Permanent Faculty

Sl. No	Name	Branch
1.	Mr. Raj Kumar	Mechanical Engineering
2.	Mr. Avtar Krishna	Mechanical Engineering
3.	Mr. Lochan Shashi Khalkho	Mechanical Engineering
4.	Mr. Alvin A. Bage	Mechanical Engineering
5.	Mr. Alok Niranjan Kumar	Mechanical Engineering
6.	Mr. Deepak kumar	Mechanical Engineering
7.	Ms. Neha Kujur	Mechanical Engineering
8.	Ms. Gulfshan	Electrical and Electronics Engineering
9.	Mr. Ratnesh Kumar	Electrical and Electronics Engineering
10.	Mr. Vikas Kumar Tiwari	Electrical and Electronics Engineering
11.	Ms. Ruchi Kujur	Electrical and Electronics Engineering
12.	Ms. Lily Lakra	Electrical and Electronics Engineering
13.	Mr. Om Shankar Dewadi	Electrical and Electronics Engineering
14.	Mr. Enamul Haque	Electrical and Electronics Engineering
15.	Ms. Anshu Mala Kispotta	Electronics and Communication Engineering
16.	Ms. Laxmi Deepika Kumari	Electronics and Communication Engineering
17.	Ms. Mani Priyanka Ekka	Electronics and Communication Engineering
18.	Ms. Neha Nupur Mundu	Electronics and Communication Engineering
19.	Dr. Manas Rajhans Chaubey	Science & Humanities (First Year)
20.	Mr. Basudev Mahato	Science & Humanities (First Year)
21.	Ms. Rashmi Kiran Kujur	Science & Humanities (First Year)

22	Ms. Dipti Anilisa Ekka	Science & Humanities (First Year)
23.	Ms. Anjana Bara	Science & Humanities (First Year)
24.	Fr. Valenetine Sinduria. S.J	Science & Humanities (First Year)
25.	Mr. Sunil Prananik	Science & Humanities (First Year)
26.	Ms. Chahat Gupta	Science & Humanities (First Year)

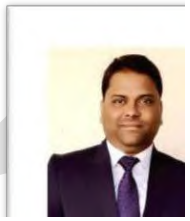
a. Adjunct Faculty

Sl. No	Name	Branch
1.	Mr. Surendra Singh	Electrical and Electronics Engineering
2.	Fr. Edwin Ritesh Dungdung	Science & Humanities (First Year)
3.	Fr. Isaac Xalxo	Science & Humanities (First Year)

b. Permanent Faculty: Student Ratio–1:25

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

Name: Raj Kumar



Date of Birth	06-07-1988			
Designation	Principal In-Charge			
Department	Mechanical Engineering			
Date of Joining	20-04-22			
Unique ID	1-3215993961			
Educational Qualification	M. Tech			
Area of Specialization	Machine Design			
Courses taught at Diploma/Post /UG/PG diploma level	Engineering Graphics, Machine Design, Metrology & quality control, Theory of Machine, Engineering Mechanics			
Total Experience	Teaching	Industry	Research	Others
	10 years 5 months	NIL	NIL	NIL
Research paper Published	National: - 1		International: - 1	
Paper presented In	Conference NIL	National **3**	International NIL	
Workshop	2			
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			
Paper presented In	Conference 01	National 01	International NIL	

Name : Dr. Manas Rajhans Chaubey

Date of Birth	18-12-1981			
Designation	Lecturer			
Department	Science & Humanities (First Year)			
Date of Joining	11-01-2011			
Unique ID	1-480581233			
Educational Qualification	M .Sc and Ph.D.			
Area of Specialization	Organic Chemistry			
Courses taught at Diploma/Post /UG/PG diploma level	Chemistry in Semester 1 and semester II			
Total Experience	Teaching	Industry	Research	Others
	15	NIL	NIL	NIL
Research paper Published	National :- 3		International :- NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL	NIL	NIL	
Ph.D. Guide?	Field		University	
PhDs Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Rashmi kiran Kujur

Date of Birth	11-07-1986			
Designation	LECTURER			
Department	Science & Humanities (First Year)			
Date of Joining	05-12- 22			
Unique ID	1-9595422560			
Educational Qualification	M. Sc in Physics with B.Ed.			
Area of Specialization	Electronics			
Courses taught at Diploma/Post /UG/PG diploma level	Physics I and II semester			
Total Experience	Teaching	Industry	Research	Others
	3 yrs. 6 month	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- NIL	
Paper presented In	Conference NIL	National NIL	International NIL	
Workshop	NIL	NIL	NIL	
Ph.D. Guide?	Field	University		
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Anjna Bara

Date of Birth	23-12-1991			
Designation	Lecturer			
Department	Science & Humanities (First Year)			
Date of Joining	04-01-23			
Unique ID	1-9595259668			
Educational Qualification	M Sc. In Mathematics with B. Ed			
Area of Specialization	Computer oriented numerical Analysis , DBMS			
Courses taught at Diploma/Post /UG/PG diploma level	Mathematics In I, II and III semester			
Total Experience	Teaching	Industry	Research	Others
	3 yrs.	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL	NIL	NIL	
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Dipti Analisa Ekka

Date of Birth	27-10-1994			
Designation	Lecturer			
Department	Science & Humanities (First Year)			
Date of Joining	04-01-23			
Unique ID	1-9595259661			
Educational Qualification	Master In English			
Area of Specialization	Indian English, Linguistic			
Courses taught at Diploma/Post /UG/PG diploma level	Communication Skill l and II Sem.			
Total Experience	Teaching	Industry	Research	Others
	3 yrs.	NIL	NIL	NIL
Research paper Published	National :- NIL		International :-NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL	NIL	NIL	
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Basudeo Mahato

Date of Birth	15-09-1993
Designation	Lecturer
Department	Science & Humanities (First Year)
Date of Joining	08-10-22
Unique ID	1-43387389455
Educational Qualification	M .Tech
Area of Specialization	CSE
Courses taught at Diploma/Post /UG/PG diploma level	1.Fundamental of Computer (First Semester) 2.Programming in C (Second Semester)

Total Experience	Teaching	Industry	Research	Others
	2 Year	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- NIL	
Paper presented In	Conference NIL	National NIL	International NIL	
Workshop	NIL			
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Lochan S. Khalkho

Date of Birth	10-06-1969			
Designation	Lecturer			
Department	Mechanical Engineering			
Date of Joining	04-10-2010			
Unique ID	1-480508405			
Educational Qualification	M. Tech			
Area of Specialization	Heat Power Engineering			
Courses taught at Diploma /Post /UG/PG diploma level	Thermal Engineering, Power Engineering, Alternate Energy Sources and Management, Workshop, Machine Drawing.			
Total Experience	Teaching	Industry	Research	Others
	13	NIL	NIL	04
Research paper Published	National: - NIL		International: - NIL	
Paper presented In	Conferen ce NIL	National NIL	International NIL	
Workshop	NIL			
Phd Guide?	Field – NIL		University – NIL	
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Alvin A. Bage

Date of Birth	01-07-1979			
Designation	Lecturer			
Department	Mechanical Engineering			
Date of Joining	02-04-2012			
Unique ID	1-421252038			
Educational Qualification	B. E			
Area of Specialization	Engineering Mechanics			
Courses taught at Diploma /Post /UG/PG diploma level	Engineering Mechanics, Fluid Mechanics, strength of Martial, Measurement and Automation			
Total Experience	Teaching	Industry	Research	Others
	11	NIL	NIL	NIL
Research paper Published	National: - NIL		International: - NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop				
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	sNIL			

Name: Avtar Krishna 				
Date of Birth	13-01-1983			
Designation	Lecturer			
Department	Mechanical Engineering			
Date of Joining	01-08-11			
Unique ID	1-762487002			
Educational Qualification	M. Tech (CAD/CAM), Post Graduate Course in Industrial Management			
Area of Specialization	Manufacturing			
Courses taught at Diploma /Post /UG/PG diploma level	Industrial Fluid Power, Industrial Engineering and Management, Advance Manufacturing Technology, Automobile Engineering, Engineering Materials, Theory of Machines and mechanism, Manufacturing Technology			
Total Experience	Teaching	Industry	Research	Others
	11 yrs. 8month	1 year	NIL	NIL
Research paper Published	National: - NIL		International: - NIL	
Paper presented in	Conference – 03	National- NIL	International – 01	
Workshop	07			
Phd Guide?	Field – NIL	University – NIL		
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	3			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Alok Niranjan Kumar 				
Date of Birth	19-02-1987			
Designation	Lecturer			
Department	Mechanical Engineering			
Date of Joining	19-04-22			
Unique ID	1-76948146			
Educational Qualification	M.Tech			
Area of Specialization	Thermal Engineering			
Courses taught at Diploma/Post /UG/PG diploma level	Engineering Materials, Engineering Graphics, Manufacturing Technology, Metrology and Quality Control			
Total Experience	Teaching	Industry	Research	Others
	10 years	NIL	NIL	NIL
Research paper Published	National: - NIL		International: - NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	01			
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Gulfshan 				
Date of Birth	26-01-94			
Designation	Lecturer			
Department	Electrical and Electronics Engineering			
Date of Joining	02-08-22			
Unique ID	1-43373036744			
Educational Qualification	M.Tech			
Area of Specialization	Power System and Drives			
Courses taught at Diploma/Post /UG/PG diploma level	Network, Electrical Engg., Power system, RES, Instrumentation System, Machine 1 & 2, Control System			
Total Experience	Teaching	Industry	Research	Others
	1.6month	3.5yrs		
Research paper Published	National: -		International: -04	
Paper presented In	Conference NIL	National NIL	International NIL	
Workshop	01			
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published/IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Ratnesh Kumar 				
Date of Birth	10-12-1975			
Designation	lecturer			
Department	Electrical and Electronics Engineering			
Date of Joining	13-10-2015			
Unique ID	1-7426653102			
Educational Qualification	M.E			
Area of Specialization	Power Electronics			
Courses taught at Diploma/Post /UG/PG diploma level	Power electronics. Basic Electronics, ESDM, PLC, Network Theory, Industrial Automation			
Total Experience	Teaching	Industry	Research	Others
	7.5years	17yrs.		
Research paper Published	National: -		International: -01	
Paper presented In	Conference	National	International	
	03	02	01	
Workshop	12			
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published/IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: VIKAS KUMAR TIWARI

Date of Birth	20-09-1989			
Designation	Lecturer			
Department	Electrical and Electronics Engineering			
Date of Joining	01-10-2012			
Unique ID	1-1421147043			
Educational Qualification	M.Tech			
Area of Specialization	Power System Engineering			
Courses taught at Diploma/Post /UG/PG diploma level	Measurement, Power system, Electrical Machines I and II, Instrumentation System, Utilization of Electrical energy, Network Theory			
Total Experience	Teaching	Industry	Research	Others
	11.6 YRS	6 Months		
Research paper Published	National:-		International:-	
Paper presented In	Conference 04	National NA	International NA	
Workshop	04			
Phd Guide?	Field NA	University NA		
Phds Project Guided	NA			
Book published/IPRs/Patents	NA			
Professional Membership	NA			
Project Carried out	NA			
Technology Transfer	NA			
Consultancy Activity	NA			
Rewards	NA			

Name:Lily lakra

Date of Birth	25-03-95			
Designation	Lecturer			
Department	Electrical and Electronics Engineering			
Date of Joining	04-03-23			
Unique ID	1-12221899525			
Educational Qualification	B. Tech			
Area of Specialization	Electrical and Electronics Engg.			
Courses taught at Diploma/Post /UG/PG diploma level	UEE, PP, DLS, PS-1, Instrumentation, RES			
Total Experience	Teaching	Industry	Research	Others
	1 year	NIL	NIL	NIL
Research paper Published	National: -NIL		International: -NIL	
Paper presented In	Conference	National	International	
Workshop	NIL			
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published/IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Ruchi Kujur 				
Date of Birth	20-03-95			
Designation	lecturer			
Department	Electrical and Electronics Engineering			
Date of Joining	04-03-23			
Unique ID	1-12221899508			
Educational Qualification	BE			
Area of Specialization	Electrical and Electronics			
Courses taught at Diploma/Post /UG/PG diploma level	Machine 1, PP, Instrumentation, network theory, UEE, Measurement			
Total Experience	Teaching	Industry	Research	Others
	03	NIL	NIL	NIL
Research paper Published	National: -NIL		International: -NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	01			
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Neha Kujur

Date of Birth	19-06-1995
Designation	Lecturer
Department	Mechanical Engineering
Date of Joining	11-04-23
Unique ID	1-43392154739
Educational Qualification	B.E
Area of Specialization	ME
Courses taught at Diploma/Post /UG/PG diploma level	

Total Experience	Teaching	Industry	Research	Others
	NIL	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL			
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Mr. Deepak Kumar

Date of Birth	5-01-1992			
Designation	Lecturer			
Department	Mechanical Engineering			
Date of Joining	06-04-23			
Unique ID	1-43388158411			
Educational Qualification	M .Tech			
Area of Specialization	Thermal Engineering			
Courses taught at Diploma/Post /UG/PG diploma level	Fluid Mechanics, Thermodynamics			
Total Experience	Teaching	Industry	Research	Others
	2 Year	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- 1	
Paper presented In	Conference	National	International	
	NIL	NIL	1	
Workshop	NIL			
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Fr. Valentine Sinduria S.J

Date of Birth	29-07-1986			
Designation	Lecturer			
Department	Science & Humanities (First Year)			
Date of Joining	04-01-23			
Unique ID	1-9323368538			
Educational Qualification	M. Sc			
Area of Specialization	Mathematics			
Courses taught at Diploma/Post /UG/PG diploma level	Mathematics			
Total Experience	Teaching	Industry	Research	Others
	3 Years	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL			
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Ms. Chahat Gupta

Date of Birth	10-09-1994
Designation	Lecturer
Department	Science & Humanities (First Year)
Date of Joining	06-04-23
Unique ID	1-43388158750
Educational Qualification	Post Graduate
Area of Specialization	English
Courses taught at Diploma/Post /UG/PG diploma level	English

Total Experience	Teaching	Industry	Research	Others
	NIL	NIL	NIL	NIL
Research paper Published	National:-	NIL	International: - NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL			
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Mr. Sunil Prananik

Date of Birth	20-01-1985
Designation	Lecturer
Department	Science & Humanities (First Year)
Date of Joining	06-04-23
Unique ID	1-43388359632
Educational Qualification	M .Sc, P. hd pursuing
Area of Specialization	Mathematics
Courses taught at Diploma/Post /UG/PG diploma level	Mathematics

Total Experience	Teaching	Industry	Research	Others
	9 Year	NIL	NIL	NIL
Research paper Published	National :- 1		International :- NIL	
Paper presented In	Conference	National	International	
	NIL	1	NIL	
Workshop	NIL			
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Enamul Haque

Date of Birth	30-07-1997			
Designation	Lecturer			
Department	Electrical & Electronics Engineering			
Date of Joining	06-04-2023			
Unique ID	1-43392290502			
Educational Qualification	M.Tech			
Area of Specialization	Energy Engineering			
Courses taught at Diploma/Post /UG/PG diploma level	Electrical machine, Power system, Testing and Maintenance			
Total Experience	Teaching	Industry	Research	Others
	4 month	1 Year	NIL	NIL
Research paper Published	National :- NIL		International :- NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL			
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Mr. Om Shankar Dewraj

Date of Birth	31-08-1994
Designation	Lecturer
Department	Electrical and Electronics Engineering
Date of Joining	06-04-2023
Unique ID	1-43387389455
Educational Qualification	B. Tech
Area of Specialization	Electrical Engineering
Courses taught at Diploma/Post /UG/PG diploma level	Basic Electrical, Network Theory, Electrical Machine

Total Experience	Teaching	Industry	Research	Others
	NIL	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL			
Ph.D. Guide?	Field		University	
Ph.Ds. Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Anshu Mala Kispotta

Date of Birth	31-05-89			
Designation	lecturer			
Department	Electronics & Communication Engineering			
Date of Joining	04-01-23			
Unique ID	1-9323368306			
Educational Qualification	M.Tech			
Area of Specialization	Control System			
Courses taught at Diploma/Post /UG/PG diploma level	Optical Fiber Communication, Communication System, Analog Electronics, Digital Electronics, Embedded System, Basic Electronics			
Total Experience	Teaching	Industry	Research	Others
	6.9 yrs.	1.6 yrs.	NIL	NIL
Research paper Published	National: - NIL		International: - 2	
Paper presented In	Conference	National	International	
Workshop	01			
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	PID control Strategy in network control System			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : NEHANUPOORMUNDU

Date of Birth	01-02-1995			
Designation	lecturer			
Department	Electronics & Communication Engineering			
Date of Joining	04-01-2023			
Unique ID	1-9323367978			
Educational Qualification	B. Tech			
Area of Specialization	Electronics & Communication Engineering(Electronic Devices and Circuits)			
Courses taught at Diploma/Post /UG/PG diploma level	Electronic Devices & Circuits, Data Communication & Computer Networking, IoT, Digital Electronics, PLC			
Total Experience	Teaching	Industry	Research	Others
	2 yrs.	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- 01	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	NIL			
Phd Guide?	Field		University	
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name: Laxmi Deepika Kumari

Date of Birth	02-11-96			
Designation	lecturer			
Department	Electronics & Communication Engineering			
Date of Joining	01-04-23			
Unique ID	1-43373233431			
Educational Qualification	M.Tech			
Area of Specialization	ECE (Wireless Communication)			
Courses taught at Diploma/Post /UG/PG diploma level	Electromagnetic Field Theory, Microwave			
Total Experience	Teaching	Industry	Research	Others
	NIL	NIL	NIL	NIL
Research paper Published	National:- NIL		International:- NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop	03			
Phd Guide?	Field	University		
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

Name : Name: Mani Priyanka Ekka	
Date of Birth	11-12-91
Designation	lecture
Department	Electronics & Communication Engineering

Date of Joining	01-04-23			
Unique ID	1-43373037009			
Educational Qualification	M.Tech (VLSI, Embedded System Design)			
Area of Specialization	VLSI			
Courses taught at Diploma/Post /UG/PG diploma level	ELECTRICAL AND ELECTRONICS MEASUREMENT, MOBILE COMMUNICATION, BASIC ELECTRONICS, MICROPROCESSOR, DIGITAL ELECTRONICS			
Total Experience	Teaching	Industry	Research	Others
	1year	NIL	NIL	NIL
Research paper Published	National :- NIL		International :- NIL	
Paper presented In	Conference	National	International	
	NIL	NIL	NIL	
Workshop				
Phd Guide?	NIL	University		
Phds Project Guided	NIL			
Book published /IPRs/Patents	NIL			
Professional Membership	NIL			
Project Carried out	NIL			
Technology Transfer	NIL			
Consultancy Activity	NIL			
Rewards	NIL			

7. Fee

- Details of fee, as approved by State Fee Committee, for the Institution

Particular	Fee
Tuition Fee	46900/-
Development Fee	2300 /-
Admission/Registration Fee	2000 /-
Internal Examination Fee	2000 /-
Caution Money/Security Fee	5000 /-
Identity Card	100 /-

- Time schedule for payment of fee for the entire programme:- ***First week of the beginning of every academic session***
- No. of Fee waivers granted with amount and name of students:-
  No. of Fee waivers granted:- ***15 in Each Batch***
  Waived Amount : -***Tuition Fee (46900/-)***

a) Name of the Tuition Fee Waiver Students:

Sl. No.	Name of Student	Branch	Batch
1	Vishnu Kumar Keshri	Mechanical Engineering	2020-23
2	John Paul Barla	Mechanical Engineering	
3	Deep raj Minj	Mechanical Engineering	
4	Bijay Kujur	Mechanical Engineering	
5	Prakash Kumar Singh	Mechanical Engineering	
6	Abhinav Kaushik	Electrical and Electronics Engineering	
7	Kundan Kumar Choudhary	Electrical and Electronics Engineering	

8	Ehtesham Alam	Electrical and Electronics Engineering	
9	Abhishek Singh	Electrical and Electronics Engineering	
10	Mukesh Choudhary	Electrical and Electronics Engineering	
11	Akash Kumar Sharma	Electrical and Electronics Engineering	
12	Ankit Kumar	Electronics and Communication Engineering	
13	Dolly Lakra	Electronics and Communication Engineering	
1	Anis Gupta	Electronics and Communication Engineering	2021-24
2	Amit Sudeep Minj	Electronics and Communication Engineering	
3	Manish Kumar Nayak	Electronics and Communication Engineering	
4	Aman Kumar	Electrical and Electronics Engineering	
5	Sunny Raj	Electrical and Electronics Engineering	
6	Jayant Ekka	Electrical and Electronics Engineering	
7	Mithelsh Mahli	Mechanical Engineering	
8	Aditya Kumhar	Mechanical Engineering	
9	Demian Nihil Ekka	Mechanical Engineering	
10	Anjela Khalkho	Mechanical Engineering	
11	Anuradha Kumari	Electrical and Electronics Engineering	
1	Ashisiyan Minz	Mechanical Engineering	2022-25
2	Arpit Arya	Mechanical Engineering	
3	Sanju Kiro	Mechanical Engineering	
4	Satyam Kumar	Electrical and Electronics Engineering	
5	Akash raj Guria	Electrical and Electronics Engineering	
6	Surbhi Priya	Electrical and Electronics Engineering	
7	Sudip Minj	Electrical and Electronics Engineering	

b) No. of Scholarship offered by the Institution, duration and amount: -

Name of Scholarship offered	**Duration**	**Amount**
Jharkhand E-kalyan Scholarship	As per State Govt. Norms	As per State Govt. Norms
Moma Scholarship (for Minority Students),	As per State Govt. Norms	As per State Govt. Norms

- Criteria for fee waivers/scholarship: -***Decided by State Govt. of Jharkhand***
- Estimated cost of Boarding and Lodging in Hostels

ST&SC	OBC	GEN
1500/-	1600/-	1700/-

10) Admission

a) **Number of seats sanctioned with the year of approval:-*270+15(TFWS)***

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

Category	ST	SC	BC	Gen
2020-21	61	07	30	41
2021-22	51	4	16	9
2022-23	33	2	23	4

c) Number of applications received during last two years for admission under Management Quota and number admitted: - *N.A.*

1. Admission Procedure

a. Mention the admission test being followed, name and address of the attest Agency and its URL (website) :- ***Jharkhand Combined Entrance CompetitiveExamination Board, Science & Technology Campus, Sirkha Toli, Namkum,Ranchi- 834010,***

Website:-http://jceceb.jharkhand.gov.in

b. Number of seats allotted to different Test Qualified candidate separately (AIEEE/CET (State conducted test/ University tests/CMAT/GPAT)/Associationconducted test):- ***100%Seats are allotted by JCECEB, Govt. of Jharkhand.***

c. Calendar for admission against Management/vacant seats:-
***As decided by State Govt. Of Jharkhand*.**

d. The policy of refund of the fee, in case of withdrawal, shall be clearly notified:-

AICTE Refund Policy:-In three vent of a student/can did ate with drawing before the starting of the courses, the entire fee collected from the student, after a deduction of the processing fee of not more than Rs.1000/- (Rupees One Thousand only)shall be refunded/returned by the Institution. It would not be permissible for Institutions to retain the School /Institution Leaving Certificates in original. If a student leaves after joining the course and if the vacated seat is consequently filled by another student by the last date of admission, the institution must refund the fee collected after a deduction of the processing fee of not more than Rs.1000/- (Rupees One Thousand only) and proportion ate hostel rent, where applicable in case the vacated seat is not filled, the institution should refund the security deposit and return the original documents. Institution should not demand fee for the subsequent years from the students cancelling their admission at any point of time. Fee refund along with the return ofcertificates should be completedwithin7Days.

2. Criteria and Weight ages for Admission: -*Decided by State Govt. of Jharkhand*

3. List of Applicants–

- All seats are allotted against the vacant seats by JCECEB, Govt. of Jharkhand.
- No Management Quota has been provided to the Institute by Sate Govt. of Jharkhand

14. Results of Admission under Management seats/Vacant seats–

- All seats are allotted against the vacant seats by JCECEB, Govt. of Jharkhand.
- No Management Quota has been provided by Sate Govt.

15. Information of Infrastructure and Other Resources Available

a) Number of Class Rooms and size of each:-

Sl. No.	Room. No.	Room Type	Carpet Area(In Sq.m)
1	AF1EEC - 1	Classroom	91.63
2	AF1EEC - 2	Classroom	89.78
3	AF1EEC - 3	Classroom	89.32
4	AF2ECC - 1	Classroom	90.09
5	AF2ECC - 2	Classroom	90.09
6	AF2SCC- 1	Classroom	100.1
7	AF2SCC- 2	Classroom	89.32
8	AF2SCC- 3	Classroom	126.36
9	AF2SCC- 4	Classroom	124.32
10	AF2SCC- 5	Classroom	83.07
11	AFGMEC-1	Classroom	89.32
12	AFGMEC-2	Classroom	89.32
13	AFGMEC-3	Classroom	90.47
14	AF1CMS-1	Classroom	85.84
15	AF1CMS-2	Classroom	86.58

b. Number of Tutorial rooms and size of each

Sl. No	Room. No.	Room Type	Carpet Area (In Sq. m)
1.	AF1EETU-2	Tutorial Room	33.96
2	AF2ECTU-3	Tutorial Room	34.65
3	AF2SCTU-4	Tutorial Room	77.22
4	AFGMETU-1	Tutorial Room	33.96

c. Number of Laboratories and size of each

Sl. No	Room. No.	Room Type	Carpet Area (In Sq. m)
1	AF1ECL-1	Laboratory	86.58
2	AF1ECL-2	Laboratory	86.58
3	AF1ECL-3	Laboratory	80.96
4	AF2ECL-4	Laboratory	86.58
5	AF2ECL-5	Laboratory	86.58
6	AF2ECL-6	Laboratory	86.58
7	AF2ECL-7	Laboratory	86.58
8	AF2MEL -1	Laboratory	96.2
9	AF2SCL-1	Laboratory	160.29
10	AF2SCL-2	Laboratory	163.03
11	AF2SCL-3	Laboratory	163.03
12	BF1EEL-1	Laboratory	89.79
13	BF1EEL-2	Laboratory	83.79
14	BF1EEL-3	Laboratory	83.06
15	BF1EEL-4	Laboratory	68.16
16	BF2EEL- 5	Laboratory	72.7
17	BF2EEL- 6	Laboratory	72
18	BF2MEL- 1	Laboratory	66
19	BF2MEL- 2	Laboratory	66
20	CF1MEL-3	Laboratory	66
21	CF1MEL-4	Laboratory	66
22	CF1MEL-5	Laboratory	66
23	CF1MEL-6	Laboratory	66
24	CFGMEL-7	Laboratory	108
25	CFGMEL-8	Workshop	201
26	CF1ME-10	Workshop	320

d. Number of Drawing Halls with capacity of each–

No. of Drawing Hall	Capacity
02	120

e. Number of Computer Centers with capacity of each

Sl. No	Computer Centre	Capacity
1	ComputerLab-1	60
2	ComputerLab-2	60
3	Language Lab	30

f. Central Examination Facility, Number of rooms and capacity of each–**NA.**

g. Online Examination facilities- **Available (with 102 node)**

h. Barrier Free Built Environment for disabled and elderly persons–**Ramp with Two Lifts Available**

i. Occupancy Certificate- **Available**

j. Fire and Safety Certificate- **Available**

k. Hostel Facilities - **Available**

l. **Library**

Number of Library books/Titles/Journals available (program-wise)

Program	No. of Library Books	Titles	Journals
Diploma In Mechanical Engineering	1809	184	03
Diploma In Electrical and Electronics Engineering	1135	133	03
Diploma In Electronics and Communication Engineering	1348	151	03
1st Year and Other Books (Common for all Branch)	3053	343	

m. List of online National/International Journals subscribed–**N.A**

n. E-Library facilities - **YES**

o. Laboratory and Workshop- **yes**

p. List of Major Equipment/Facilities in each Laboratory/Workshop - **yes**

q. National Digital Library- **yes**

- **DEPARTMENT OF MECHANICAL ENGINEERING**

SEMESTER: -3RD

SUBJECT: -ENGINEERING MECHANICS LABORATRY

SL. NO.	NAME OF EQUIPMENTS
1	Universal force table
2	Law of moment apparatus
3	Simple jib crane apparatus
4	Co-efficient off ruction apparatus
5	Centre of gravity apparatus
6	Worm & worm wheel
7	Simples crew jack
8	Single purchase winch crab
9	Double purchase winch crab

SUBJECT: -STRENGTH OF MATERIAL LAB.

SL. NO.	NAME OF EQUIPMENTS	
1	Universal Testing Machine	
2	Brinell Hardness Tester	
3	Rock well Hardness Tester	
4	Charpy & Izod Impact Tester	
5	Torsion test apparatus	

SEMESTER: - 4TH

SUBJECT: -MANUFACTURINGTECHNOLOGYLAB.

SL. NO.	NAMEOFEQUIPMENTS
1	Spot welding machine
2	TIG welding machine
3	MIG welding machine
4	Wooden lathe machine
5	Furnace
6	Hearth
7	Blower
8	Anvil
9	Lathe machine
10	Milling machine
11	Radial Drill machine
12	Bench Drill machine
13	Bench Grinder machine
14	Surface Grinder machine

SUBJECT: - FLUIDMECHANICSANDMACHINELAB.

SL. NO.	NAME OF EQUIPMENTS
1	Bourdin Tube Pressure Gauge tester
2	Bernoulli's theorem Apparatus
3	Venturi meter Apparatus
4	Orifice meter Apparatus
5	Hydraulic bench set -up Apparatus
6	Losses through Fittings Apparatus
7	Friction loss through pipe Apparatus
8	Pelton wheel turbine
9	Francis turbine
10	Centrifugal pump
11	Reciprocating pump

SUBJECT:-THEORYOFMACHINELAB.

SL. NO.	NAMEOFEQUIPMENTS
1	Spoket modal
2	Cam & Follower set
3	Governer Model
4	Porny Brake Dynamometer

5	Rope Brake Dynamometer
6	Multi plate clutch
7	Balancing of several masses in single plan

SUBJECT: - THERMAL ENGINEERING LAB.

SL. NO.	NAME OF EQUIPMENTS
1	Thermal Conductivity Test Apparatus
2	Stefan Boltzmann Apparatus
3	Heat Exchanger
4	Lan cashier Boiler Model
5	Boiler Mounting & accessories(set)

SEMESTER: - 5TH

SUBJECT: -POWER ENGINEERINGLAB.

SL. NO.	NAMEOFEQUIPMENTS
1	Two stroke single cylinder petrol engine(cut section)
2	Four stroke single cylinder petrol engine (cut section)
3	Single cylinder petrol engine
4	Diesel Engine
5	Morse test
6	Two stage Reciprocating compress shoestring
7	Refrigeration test rig
8	Ice Plant Test Rig
9	Air condition System

SUBJECT:-ADVANCEMANUFACTURINGPROCESSLAB.

SL. NO.	NAME OF EQUIPMENTS
	CNC Lathe machine
	CNC milling machine

SUBJECT:-METROLOGYANDQUALITYCONTROLLAB.

SL. NO.	NAMEOFEQUIPMENTS
1	Surface plate
2	V-Block
3	Spirit Level
4	Combination set
5	Filler gauge
6	Screw pitch gauge
7	Radius gauge
8	Vernier caliper
9	Micrometer (inside & outside)
10	Slip gauge
11	Sine bar
12	Optical flat
13	Screws read micrometer
14	Dial indicator
15	Geert tooth Vernier caliper
16	Profile projector

SUBJECT:-POWERPLANTENGINEERRINGLAB.(Elective-I)

SL. NO.	NAMEOFEQUIPMENTS
1	Hydro Electric Power Plant(modal)
2	Steam Power Plant (working modal)
3	Gas Turbine (non-working model)
4	Nuclear Power Plant(non-working model)

SL. NO.	NAMEOFEQUIPMENTS
1	Diaphragm type sing replate clutch
2	Coil spring type sing replate clutch
3	Synchromesh gearbox
4	Differential
5	Rack& pinion steering gear box
6	Telescopic hockey sober
7	Hydraulic brakes stem
8	Battery charging system(model)

SEMESTER:- 6TH

SL. NO.	NAME OF EQUIPMENTS
1	Pneumatic trainer kit
2	Hydraulic Sha perm/c(working model)

SL. NO.	NAME OF EQUIPMENTS
1	Strain Gauge
2	Stroboscope
3	Rotameter
4	Inductive transducer
5	Thermocouple
6	Thermistor
7	Loadcell

SL. NO.	NAME OF EQUIPMENTS
1	Photo voltaic cell
2	Bio gas plant model(non-working)

- **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

SEMESTER:- 2nd &4TH

SUBJECT:-WORSHOP-II(forallbranchin2ndsem.andEEEbranchin4THsem.)

SL.NO.	NAMEOFEQUIPMENT
1	Wiring practice board
2	Bearing puller
3	Cutter
4	Coil winding machine
5	Chisel cold
6	Crimping tool
7	Claw hammer
8	Electric and drill machine
9	Firmer chisel
10	File flat
11	Hack saw frame(adjustable)
12	Hand drill machine,
13	Megger(insulation tester)
14	Mobile toolkit(screw driver set)
15	Plier
16	Pincer
17	Pulley puller
18	Poker
19	Soldering iron
20	Screwdriver
21	Screwdriver set
22	Try square
23	Wire gauge
24	Hammer cross pin
25	Steel rule
26	Earth resistant detester

SEMESTER:- 3RD

SUBJECT:-ELECTRICAL ENGINEERING LAB.

SL. NAME OF EQUIPMENTNO.

1. Dc source(5v,5amp)

2V-Icharacteristics of ink and scent lamp and time fusing current characteristics off use

3 DC machine open parts set

4 Single phase motor

5 Super position theorem trainer

6 Thevenin's the Orem trainer

7 Norton theorem trainer

8 Maximum power transfer theorem

9 Single phase energy meter(electronics)

10 Single phase transformer(1KVA)

11 Study of solar cell characteristics apparatus

12 Bread board with dc source(port)

SUBJECT:-MEASUREMENT LAB.

SL. NO.	NAMEOFEQUIPMENT
1	Hay's bridge set
2	Schering bridge within built digital null detector, sine wave oscillator
3	Maxwell inductance bridge within built digital null detector, sinewave oscillator
4	LVD Trainer apparatus
5	LCR-q meter digital (direct q measurement)
6	LCR meter (handheld, portable)
7	Digital ton guide sternum Multimeter
8	Megger
9	Wheat stone bridge(portable) with MFR resistance with board
10	Kevin's bridge industrial with dc source
11	Energy meter(1-phase)

SEMESTER:-4TH

SUBJECT:-NETWORKTHEORYLAB.

SL.NO. NAMEOFEQUIPMENT

1 CRO
2 Signal generator
3 Panelsetwith1-phase&3- phase for experiment for both lab(measurement and networkk theory)
4 Resistive load bank(1-phase&3-phase)
5 Capacitor load bank(1-phase&3-phase)
6 Inductive load bank(1-phase&3-phase)
7 DSO
8 RLC series & parallel resonance apparatus
9 Capacitor decade box
10 Variac (three phase and single phase)

SUBJECT:-ELECTRICALMACHINE–ILAB.

SL. NO.	NAMEOFEQUIPMENT
1	Insulation tester
2	Shunt generator coupled with motor & panel
3	DC shunt motor with panel
4	DC series motor with load arrangement & panel
5	DC shunt motor with load arrangement & panel
6	Rectifier(30kw)
7	Single phase transformer with panel
8	Three phase transformers with panel
9	Three point starter for study
10	Four point starter for study

SEMESTER:-5TH

SUBJECT:-ELECTRICAL MACHINE–II LAB.

SL. NO.	NAMEOFEQUIPMENT
1	Three phase slipring induction motor with control panel
2	Tacho meter analog
3	Tacho meter digital
4	Three phase squirrel scage induction motor with control panel
5	Motor generator set with panel(DC to AC)
6	Motor generator set with panel(AC to DC)
7	AC machine starter (DOL)
8	AC machine starter(S-D manual)
9	AC machine starter (S-D semiauto)
10	AC machine starter(S-D auto)
11	AC machine starter(auto TRF type)
12	Parallel operation of three phase alternator with control panel

SUBJECT:-CONTROLSYSTEMLAB.

SL.NO.	NAMEOFEQUIPMENT
1	Linear system simulator
2	AC position servo system
3	DC position servo system

SEMESTER:-6TH

SUBJECT:-CONTROLSYSTEM

SL. NO.	NAMEOFEQUIPMENT
1	Study of V-I characteristics of an SCR & TRIAC
2	Study of full &half wave rectifier using SCR & UJT
3	Study of Morgan's chopper

- **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

SEMESTER:-2nd

SUBJECT:-ELECTRONICS WORKSHOP

SL. NO.	NAME OF EQUIPMENT
1.	Analog multimeter
2.	breadboard
3.	Casio analog multi meter
4.	Function generator
5.	Soldering iron
6.	CRO
7.	Soldering stand
8.	De-soldering Pump

SEMESTER:- 3rd

SUBJECT:-BASIC ELECTRONICS

SL. NO. NAME OF EQUIPMENT

1. Common base transistor amplifier
2. Common emitter transistor amplifier
3. FET characteristics kit
4. Half wave and full wave rectifier
5. PN junction diode kit
6. Single stage common emitter amplifier
7. Zener diode V-I characteristic skit
8. Transistor characteristics kit
9. Zener diode Voltage stabilization kit

SUBJECT:-ELECTRICAL & ELECTRONICS MEASUREMENT

SL. NO.	NAME OF EQUIPMENT
1.	Hays bridge
2.	Hygrometer
3.	Kelvin's double bridge
4.	LVDT kit
5.	Maxwell bridge
6.	Strain gauge
7.	RTD kit
8.	Shearing Bridge
9.	Wien's bridge
10.	Venturi meter
11.	Dead gauge Tester
12.	Wheat stone bridge
13.	Tachometer
14.	Temperature measurement using Ad590
15.	Load cell trainer kit
16.	Speed measurement using magnetic sensor

17.	Stroboscope
18.	Common collector trainer kit
19.	Single phase energy meter setup
20.	Power measurement setup
21.	Water level measurement setup
22.	3 phase energy meter setup
23.	PMMC DC instrument
24.	RMS, peak average and AC signal kit
25.	LCR Q meter
26.	DSO
27.	Function Generator
28.	CRO

SEMESTER: - 4th

SUBJECT: - COMMINICATION SYSTEM LAB.

SL.NO.	NAME OF EQUIPMENT
1.	AM/FM radio receiver kit
2.	Amplitude modulation and demodulation
3.	Analog sampling and reconstruction
4.	DSB/SSB AM receiver kit
5.	DSB/SSB AM transmitter kit
6.	Data form acting and carrier modulation transmitter trainer kit
7.	FM radio with Amplifier setup
8.	FM transmitter trainer kit
9.	FM receiver kit
10.	Adaptive delta modulation Analog modulation, including PAM, PWM AND PPM modulation and
11.	demodulation
12.	ASK modulation and demodulation kit
13.	Delta modulation and demodulation
14.	FM modulation and demodulation kit
15.	FSK modulation and demodulation kit
16.	PAM modulation and demodulation kit
17.	PPM modulation and demodulation kit
18.	PSK modulation and demodulation kit
19.	PCM modulation and demodulation kit
20.	QAM modulation and demodulation kit
21.	TDM pulse code modulation and demodulation kit
22.	MATLAB software(60users)

SUBJECT: -PRINCIPLE OF DIGITAL TECHNIQUE AND MICROPROCESSSOR

SL.NO.	NAME OF EQUIPMENT
1.	Digital IC trainer
2.	Digital multimeter
3.	Logic gate kit
4.	RS flipflop kit
5.	SISO shift register
6.	ALU
7.	Analog converter 4/8-bit D/A
8.	Multiplexer and de-multiplexer kit
9.	ALU
10	Microprocessor 8085 kit
11	RAM circuit using IC 7489 kit

12	Ripple counter 4bit kit	

SEMESTER:- 5th

SUBJECT: - POWER ELECTRONICS LAB.

SL.NO. NAME OF EQUIPMENT

1. Characteristics of thyristor
2. DC motor TRIAC kit
3. Jon's chopper
4. Morgan's chopper
5. Phase control using TRAIC
6. Relaxation oscillator
7. SCR kit
8. SCR phase control kit
9. SCR half wave full wave kit
10. IGBT characteristics kit

SUBJECT: - MICROCONTROLLER & EMBEDDED SYSTEM LAB.

SL.NO.	NAME OF EQUIPMENT
1.	ADC 0809 interface
2.	Dual DAC interface
3.	Microcontroller kit
4.	8051computer interfacing
5.	Microcontroller DAC 8051
6.	DC motor
7.	Stepper motor driver card
8.	ADCIC 0808,0809 kit
9.	8031 microcontroller trainer kit

SEMESTER: -6th

SUBJECT: - OPTICAL FIBER COMMUNICATION LAB

SL.NO.	NAME OF EQUIPMENT
1.	Analog fiber optical voice transmission setup
2.	Gunn Diode kit
3.	Data formatting and carrier demodulation receiver
4.	Laser characteristics
5.	LED characteristics trainer kit
6.	Photo transistor kit
7.	Photo diode kit
8.	Polar pattern and gain characteristics of antenna setup
9.	Reflex klystrons letup
10.	Microwave component (Magic, circulator, isolator) setup

SUBJECT: -AUDIO VIDEOLAB.

SL.NO.	NAMEOFEQUIPMENT
1.	Color television Demon stator
2.	CD player
3.	DVD player trainer kit
4.	LEDTV trainer kit

SUBJECT: - MOBILECOMMUNICATIONLAB.

1.	EP BAX setup
2.	Mobile trainer kit

- **Chemistry lab**

Name of the Apparatus in Chemistry lab

	Name of the Apparatus/Experiments in chemistry lab
Sl. No.	
1	Kip's Apparatus
2	Electronic weighing machine
3	Distillation unit
4	pH Meter
5	Conductivity meter
6	Physical weighing machine
7	Oven
8	Heater
9	Magnetic stirrer
10	Penske marten Flashpoint Apparatus
11	Or sat apparatus

r) List of Experimental Setup in each Laboratory/Workshop

Electrical and Electronics DepartmentList of Experimental Setup

Semester-II

S. No	WORKSHOP-II
1	Various types of electrical wiring
2	Study of Safe type cautions
3	Preparation of different type of joints
4	Wiring of two-way switching system
5	Wiring of two bulb, one fan one power point with a fuse connection.
6	Introduction to commonly used equipment's, earth resistance measurement
7	Fault finding and repairing of common house hold appliances

Semester III

Sl. No.	ELECTRICAL ENGINEERING
1	Connection and measurement of power consumption of various lamps.
2	Measurement of armature and field resistance of DC machine.
3	V-I Characteristics ofincandescentlampsandtimefusingcurrentcharacteristics of a fuse.
4	Calculation of current, voltage and power in series R-L-C circuit excited busing lipase AC supply and calculation of power factor.
5	Study of various parts of DC machine.
6	Study of single-phase induction motor and fan motor.
7	Verification of superposition, Thevenin's and Norton's theorem.
8	Study of single-phase energy meter.
9	Open circuit and short circuit test of single-phase transformer.
10	Study of solar photo voltaic system

Sl. No.	ELECTRONICSENGINEERING
1	Forward & Reverse characteristics of diode
2	Characteristics of Zener diode
3	Study of Rectifiers (Half wave & Full wave) & Filters (Capacitor & Inductor filter)
4	Input & Output Characteristics of transistor in CE mode
5	Characteristics of FET
6	Characteristics of UJT
7	Load & Live regulation Characteristics of Regulator
8	Frequency response of single stage RC coupled amplifier.
9	To Study the V-I Characteristics of PN Junction diode.
10	Determination of h parameter.

Sl. No.	MEASUREMENT-I(Any10Experiment)
1	Measurement of Current and Voltages by Low range ammeter and voltmeter respectively with shunt and multiplier
2	Calibration of Watt meter at various power factors by standard Wattmeter.
3	Measurement of active power in three phase balanced load by single watt meter method.
4	Measurement of active and reactive power in three phase balanced load by two watt meter method
5	Measurement of single phase power with 3 ammeters and 3 volt meters.
6	Calibration of Energy meter at various power factors by standard energy Eter.
7	Measurement of energy in single phase & three phase balanced load using Electronic Energy Meter.
8	Measurement of Low resistance by Kelvin's Double Bridge.
9	Measurement of Medium resistance by Wheatstone bridge.
10	Measurement of Insulation Resistance by Megger.
11	Measurement of Resistance, Voltage, Current, Voltage, Current in A.C & D.C. Circuit by using digital multimeter.
12	Measurement of A.C. Current by tong detester.
13	Measurement of Circuit Parameters by LCR meter.
14	To measure line are displacement by LVDT and plot characteristics.
15	Measurement to find reactance by Maxwell Bridge.
16	Measurement of Capacitance by Schering Bridge.
17	Measurement of inductance by Hay's Bridge.

Sl. No.	BASICENGINEERING
1	Field visit for identification & Physical Properties of sand, Brick, Cement, LimeTitle and Point.
2	Field Survey of Distance measurement by chain and tape with correction.
3	Angle measurement by prism attic and survey or compass.
4	Practice of making various types of joints
5	Practice off abdication with metal flats.
6	Demonstration of Total Station.
7	Field visit of Machine Foundation.

Semester-IV

Sl. No.	NETWORK THEORY
1	To observe A.C. waveform on C.R.O. and calculate average & R.M.S. Values, frequency, and observe the responseof' Resistance 'to AC
2	To observe response of 'Inductor' and 'Capacitor' to AC
3	To determine impedance & Plot the phasor diagram of R-L series circuit.
4	To determine the current and P.F. of R.C. series circuit.
5	To determine the current and P.F. in R.L.C. series circuit
6	To obtain resonance in R-L-C series circuit.
7	To determine the current and P.F. in R.L. Parallel circuit.
8	To determine the current and P.F. in R.C. Parallel circuit
9	To determine the current and P.F. in R.L.C. Parallel circuit
10	To obtain resonance in R-L-C parallel circuit
11	To verify the line and phase values for star connected load
12	To verify the line and phase values for delta connected balanced load.
13	To verify the Superposition theorem.
14	To verify Thevenin's theorem and Norton's theorem.
15	To verify the maximum power transfer Theorem.

S.No.	ELECTRICALMACHINE-I
1	Study of different part, identification terminals and testingof insulation resistance of a D.C. machine
2	Determination OCC and external characteristic of shunt generator.
3	Speed variation of D.C. motor by field control armaturesstance variation and ward Leonard method.

4	Determination of efficiency of a DC motor by brake test.
5	Determination of efficiency of a Single-phase transformer by direct loading
6	Parallel operation of a Single-phase transformers
7	Paralleloperationof3phasetransformers
8	Identification of terminals, OC test, SC test and measurement of iron loss, No load current and no load P.F. and measurement of copper loss and computation of Z eq, Req and X eq of a 1 phase transform Er and determination of regulation
9	Study of a 3-point/ 4-point starter for connecting and running a shunt motor
10	Study of drum controller for connecting and running of DC series motor

Sl. No.	**DIGITALCIRCUITS&MICROPROCESSOR**
1	To verify the truth table of logic gates, realize AND, OR, NOT gates.
2	To realize AND, OR gates using diodes and resistors
3	To verify the Boolean algebra function using digital IC gates (consensus theorem).
4	To realize the function F(A,B,C,D)=(C+D)(A+B)(B+D)neither using N OR gates.
5	Design a half/fulladdercircuitusingFFfor2bits.
6	Design a half/full subtract or circuit using FF for2bits.
7	Design a binary to gray code converter.
8	Design a function using K-map and verify its performance using SOP&POS.
9	DesignBCDtosevensegmentdisplayusing7447IC.
10	Implement F (A,B,C)=E(1,3,4,5,6)with a multiplexer.
11	To study 8085basedmicroprocessorsystem
12	To load contenting one register and shift it to another.
13	To move the content of one memory location to another.
14	To develop and run a program for finding out the largest/smallest number from a given set of numbers.
15	To develop and run a program for arranging in ascending/descending order of a set of number
16	To perform multiplication/division of given numbers.
17	To perform floating point mathematical operations(addition, subtraction, multiplication, and division).
18	To perform computation of square root of a given number

1	Identify the different electrical tolls & Accessories used inelectrical Installation
	Concept of gauge &switches
2	Different types of Joints used in overheadlevies/underground cable/electrical wiring.
3	Different types of wiring like casing, conduct beat, concealed conduct.
4	Fluorescent tube wiring.
5	Wire up a call bell/buzzer
6	Identify this mantle, sketch and assemble differentelectrical appliances.
7	Preparation of distribution board having 3 pin socket, tubecontrolled by in dependently switch.
8	Wiring circuits for stair case
9	Wiring of Main Board with ICDP (main switch) and distribution fuse Box with MCB.
10	Prepare and wire, amount single phase energy meets.
11	Study and install house hold earthling.
12	Measurement of Earth Resistance.
13	Study of RCCB

Semester-V

S.No	INSTRUMENTATION SYSTEM LAB
1	To determine output characteristic of a LVDT and determine its Sensitivity.
2	Study characteristics of temperature transducer like Thermocouple, Thermistor and RTD with implementation of small project using signal conditioning circuit.
3	Study characteristics of Light transducer like Photo voltaic cell, Phototransistor and Pin Photo diode with implementation of small project using signal conditioning circuit.
4	To study input-output characteristics of a potentiometer and to use two potentiometers as an error detector.
5	To study transmitter- receiver characteristics of a synchro set to use the set as control component.
6	To study the operation of a d-c positional servo system and to investigate the effect of damping and supply voltage on its response.
7	To study the operation of an a. c. position servo-system and toobtain effects of supply voltage and system parameter on its transient response.
8	To study a stepper motor and control its direction speed and number of steps with the help of a microprocessor
9	ADC Converter
10	DAC converter
11	Study of Automation system
12	Intelligent controller

S.NO.	ELECTRICAL MACHINE-II
1.(A)	To measure the slip of 3-phase IM by
	i)Tachometer
	ii)Comparing rotor & stator frequency
	iii)Stroboscopic method
1.(B)	To reverse the direction of rotation of3-phase IM.
2	To measure the performance of 3-phaseIMbydirect loading
3	To list different types of starters used for 3-phase IM. Identify & use the same to start&run3-phase IM
4	Using an MG set (DC motor-Alternator) observe the effect of excitation& speed on induced. m. f. &plot O. C. C. of the given alternator.
5	To find the percentage regulation of 3-phase alternator by synchronous impedance method at various power factors.
6	To find the percentage regulation of 3-phase alternator by direct loading method at various power factors.
7	To list & explain various starting methods of synchronous motor & applying one of them to start the synchronous motor. Plot V & invertedV curve of the same.
8	To list the various types of 1-phase IM, Collect the literature forthem from dealers/manufacturers of local places & compare on the following pts. Cost iii) Performance iv) Starting torque etc. Prepare are port

S.NO.	MICROPROCESSOR & MICROCONTROLLER(ELECTIVE-I)
1	Basic arithmetic and Logical operations
2	Move a data block without overlap
3	Code conversion, decimal arithmetic and Matrix operations.
4	Floating point operations, string manipulations, sorting and searching
5	Password checking, Print RAM size and system date
6	Counters and Time Delay
7	Traffic light control
8	Stepper motor control
9	Digital clock
10	Keyboard and Display
11	Printer status
12	Serial interface and Parallel interface
13	A/D and D/AinterfaceandWaveformGenerationusing8051
14	Basic arithmetic and Logical operations
15	Square and Cube program, Find2"scomplementofanumber
16	Unpacked BCD to ASCII

S.NO.	PROGRAMMABLELOGICCONTROLLER(ELECTIVE-I)
1	Based on the theoretical paper, faculty will be decided minimum10 Experiments to be performed by the Students.

S.NO.	MAINTENANCE OF ELECTRICAL MACHINES (ELECTIVE -II)
1	Safety precautions in lab while doing electrical work
2	Safety equipment's study
3	Winding of Fan coil
4	Winding of single motor
5	Winding of three phase motor
6	Repairing of single-phase transformer
7	Repairing of wirings system
8	Installation of machine
9	Repairing of starter
10	Repairing of mains
11	Study of various types of MCB and other circuit breakers

S.NO.	CONTROL SYSTEM(ELECTIVE-II)
1	Transfer function of first and second order system
2	Sensor's system control system study
3	AC position servo system study
4	DC position servo system study
5	Control through magnetic amplifier
6	Measurement of passive elements R ,Land C using BridgeNetworks
7	Study of transducers and characterization
8	Digital simulation of linear systems
9	Stability Analysis of Linear system using MATLAB orequivalent Software
10	Study the effect of P, PI, PID controllers Using MATLAB or equivalent Software or with conventional methods.
11	Study of Lead and Lag compensator

Semester-VI

Sl. No	POWERELECTRONICS
1	Study of v-I characteristics of an scr.
2	Study of v-I characteristics of a triac.
3	Study of different triggering circuits for thyristor.
4	Study of uni-junction transistor (ujt) triggering circuit.

5	Study of a firing circuit suitable for single phase half controlled convertor.
6	Simulation on the single phase ac-dc uncontrolled convertor with& without the source inductance.
7	Simulation of a single-phase ac to controlled dc convertor with & without thesource inductance.
8	Singlephasehalfcontrolledbridgeconvertorwithtwothyristors&twodiodes.
9	Single phase fully controlled bridge convertor using four thyristors.
10	P spice simulation of dc-to-dc step down chopper.
11	P spice simulation of single-phase controller with r-l load.
12	P spice simulation of PWM bridge invertor of r-l load using mosfet.

Sl. No	**RENEWABLE ENERY SOURCES(ELECTIVE-III)**
1	Study of Solar Unit
2	Study of Solar Dryer
3	Study of Solar Panels and Storage System.
4	Study of Wind Mills
5	Study of Wind turbine generator
6	Impact of Wind Speed on Turbine Generator
7	Visit to Biogas Plant
8	Generation of Biodiesel from Biomass
9	Study of Wave Energy Generator
10	Study of Hybrid Energy Generation System

Sl. No	**BYELAWS OF ELECTRICAL ENGINEERS(ELECTIVE-III)**
1	Report Writing based on all 9 Topics of theory.

Sl. No	**VLSI(ELECTIVE-IV)**
1	Design of basic Gates: AND, OR, NOT.
2	Design of universal gates
3	Designof2:1MUXusingotherbasicgates
4	Design of 2to4Decoder
5	Design of Half-Adder, Full Adder, Half Subs tractor, Full substractor
6	Design of 3:8 Decoder
7	Design of 8:3 Priority Encoder
8	Design of 4BitBinarytoGreycodeConverter
9	Design of 4 Bit Binary to BCD Converter using sequential statement
10	Design an 8 Bit parity generator(with for loop and Generic statements)

11	Design of 2,s Complementary for 8-bit Binary number using Generate statements Sequential Design Exercises
12	Design of all type of Flip-Flops using(if-then-else) Sequential Constructs
13	Designof8-Bit Shift Register with shift Right, R-Shift Left, Load and Synchronous reset.
14	Design of Synchronous 8-bitJohnsonCounter.
15	Design of Synchronous 8-Bit universal shift register (parallel-in, parallel-out) with 3-state output (IC 74299)
16	Design of 4 Bit Binary to BCD Converter using sequential statement.
17	Design counters (MOD3, MOD5, MOD8, MOD16)
18	Design a decimal up/down counters that counts up from 00to99 or down from 99to00.
19	Design3-lineto8-line decoder with address latch

S.No	COMMUNICATION SYSTEM (ELECTIVE-IV)
1	Based on the theoretical paper, faculty will be decided minimum10 Experiments to be performed by the students.

- **DEPARTMENT OF MECHANICAL ENGINEERING SEMESTER : 1ST**
  Subject : WORKSHOP-I
  Subject Code 112

EXP.NO.	NAMEOFEXPERIMENT
1	**CARPENTRYSHOP** 1. Introduction. 2. Various types of woods. 3. Different types of tools, machines and accessories. 4. Practice Job a. Preparation of cross lap joints. b. T Lap joints c. Dovetail Joints d. Wood turning
2	**FITTINGSHOP:** 1. Introduction 2. Various marking, measuring, cutting, holding and striking tools. 3. Different fitting operation like chipping, filing, right angle, marking, drilling, tapping etc. 4. Working Principle of Drilling machine, Tapping dies its use. 5. Safe type cautions and safety equipment's. 6. Practice3 Jobs (V groove, Square notch, Fitting of two parts)
3	**SHEETMETALSHOP.** 1.Introduction

	2. Various types of tools, equipment's and accessories. 3. Different types of operations in sheet metal shop. 4. Soldering and riveting. 5. Safety precautions 6. Practice Jobs (Making funnel, tray, cylinder)
4	**TURNINGSHOP** 1. Introduction 2. Various marking, measuring, cutting, holding and striking tools. 3. Working Principle of Drilling machine, Tapping dies its use. 4. Drilling and Tapping 5. Turning: Plain, taper 6. Threading and Knurling 7. Safe typre cautions and safety equipment's.

SEMESTER: 2ND
Subject : WORKSHOP -II
Subject Code 209

EXP. NO.	NAMEOF EXPERIMENT
1	**WELDINGSHOP** 1. Introduction to equipment's and accessories superintending 2. Gas, Arc, Spot, welding practice 3. Lap welding practice 4. Buttwelding practice 5. Spot welding practice
2	**PLUMBINGSHOP** 1. Introduction. 2. Various marking, measuring, cutting, holding and striking tools. 3. Different types of G.I. & PVC pipes, flexible pipes used in practice. 4. Piping layout. 5. G.I.& PVC pipes fittings and accessories, Adhesive solvents-chemical action,
3	**Black Smithy Shop** 1. Introduction to tools and techniques 2. Preparation of commonly used instruments such as flat chisel, ring, screwdriver.

SEMESTER :3rd

Subject : ENGINEERING MECHANICS LABORATRY

Subject Code : MEC308

EXP. NO.	NAMEOF EXPERIMENT
1	To verify law of polyp on of forces.
2	To verify law of moments.
3	To verify Lami's theorem.
4	To determine the forces in members of a Jib crane.
5	Comparison of coefficient of friction of various pair of surfaces and Determination of angle of repose.
6	To verify force transmitted by members of truss.
7	Experimental location of center of gravity of plane plate ofuniform thickness.
8	Find MA, VR, Efficiency, Ideal Effort, Effort lost in friction for various loads and establish law of machine and calculate maximum efficiency of Worm and worm wheel
9	Find MA, VR, Efficiency, Ideal Effort, Effort lost in friction for various loads and establish law of machine and calculate maximum efficiency of Differential ax land wheel
10	Find MA, VR, Efficiency, Ideal Effort, Effort lost in friction for various loads and establish law of machine and calculate maximum efficiency of Simple screw jack.
11	Study of Single purchase winch crab and Double purchase winch crab
12	Study of reversibility of the simple screw jack.

SEMESTER :3rd

Subject : STRENGTH OF MATERIAL
Subject Code : MEC309

EXP. NO.	NAMEOFEXPERIMENT

1	Hook's Law verification by Searle's apparatus.
2	Study and demonstration of Universal Testing Machine & its attachments.
3	Tension Teston mild steel/Aluminum on UTM.
4	Compression test on cast iron on UTM.
5	Direct Shear Test of mild steel on UTM.
6	Brinell Hardness Test on Mild Steel.
7	Rock well hardness Teston Hardened Steel.
8	Izod & Charpy–Impact tests of a standard specimen.
9	Torsion Test of Mild steel bar.
10	To find Moment of Inertia of a fly wheel.

SEMESTER: 4TH

Subject : MANUFACTURING TECHNOLOGY LAB.
Subject Code : MEC407

EXP. NO.	NAMEOF EXPERIMENT
1	To make one job on Spot welding machine.
2	One simple job on TIG/MIG welding.
3	Making of one simple wooden Pattern on wood turning lathe.
4	Preparation of green sand modulus in single piece and multi-piece pattern with core.
5	Preparation of one simple Job(ex-ring) in forging shop.
6	One job on lathe performing the operations-plain turning, step turning, grooving, knurling, cham firing and thread cutting.
7	One composite job per forming the operations- face milling, side and face milling(slotting), drilling/tapping (drilled hole should be perpendicular to slotting operation).
8	One job performing drilling, milling and reaming.
9	Preventive maintenance of Welding machine.
10	Preventive maintenance of lathe.

SEMESTER: 4TH

Subject : FLUID MECHANICS AND MACHINE LAB.
Subject Code : MEC408

EXP. NO.	NAMEOF EXPERIMENT
1	Calibration of Bourdin pressure gauge with the help of Dead Weight Pressure gauge.
2	Determine the meta centricheightofa floating body.
3	Verification of Bernoulli's Theorem.
4	Determination of Coefficient of Discharge of Venturi-meter.
5	Determination of Coefficient of discharge, coefficient of Contraction and co-efficient of velocity of orifice meter.
6	Determination of coefficient of discharge through rectangular notch.
7	Determination of coefficient of discharge through triangular notch.
8	To determine minor losses for flow through pipes.
9	Determination of coefficient of friction of flow through pipes.
10	Trial on Pelton/Francis wheel to determine overall efficiency.
11	Trial on centrifugal pump to determine overall efficiency.
12	Trial on race proacting pump to determine overall efficiency.

SEMESTER: 4TH

Subject : THEORY OF MACHINELAB.
Subject Code : MEC409

EXP. NO.	NAMEOF EXPERIMENT
1	To find the ratio of time of cutting stroke to the time of return stroke for quick return mechanism of a shaper machine.
2	Sketch & describe working of bicycle free wheel sprocket mechanism.
3	To find out the height of all types of Governors throughUniversal Governor Apparatus.
4	Determine the radius of rotation of fly ball for different speed of

	Governor and draw a graph between radius of rotation versus speed.
5	Study of different types of CAM and follower through models.
6	Determination of power transmitted by any belt drive using any one dynamo meter.
7	Dismantling and assembly of multi-plate clutch of two-wheeler.
8	Balancing of several masses rotating in single plane by graphical method.
9	Study of gyro scope model.
10	Study of different types of gears, gear train sand drives through models.

SEMESTER: 4TH

Subject : THERMAL ENGINEERING LAB.

Subject Code : MEC410

EXP. NO.	NAMEOFEXPERIMENT
1	Collection of technical data and specification of photovoltaic cell by referring got manufacturers catalogues.
2	Study of heat transfer and concept of heat exchanges.
3	Study of solar water heating system.
4	Report on visit to wind power generation plant/biogasplant/hydraulic power plant.
5	Calculation of thermal conductivity of a solid metallic rod.
6	Verification of Stefan-Boltzmann's law.
7	Study and compare various seabeach angers such as radiators, evaporators, condensers, plate heat exchange rest.
8	Trace the flue gas path and water-steam circuit with the help of boiler model and write are port.
9	Study of Babcock and Wilcox Boiler/Lancashire Boiler.
10	Determination of change in velocity of steam with steam nozzle.

SEMESTER: 5TH

Subject : POWER ENGINEERINGLAB.

Subject Code : MEC511

EXP. NO.	NAMEOF EXPERIMENT
1	Study and running of two stroke petrol and diesel engine.
2	Study and running of four stroke petrol and diesel engine.
3	Performance test off our stroke diesel and petrol engine. (i) Mechanical efficiency (ii) Brake thermal efficiency (iii) Specific fuel consumption/BHP/HR
4	Masterton(multicylinder)I.C. engine.
5	Perform experiments on air compressor rig.
6	Trial on two-stage Reciprocating compressor.
7	Find the COP of refrigerator.
8	Study of Ice plant.
9	Study of domestic refrigerator.
10	Identify the components and trace the flow of refrigerant throughvarious components In window air conditioner.

SEMESTER: 5TH

Subject : Advance Manufacturing Processes
Lab Subject Code :MEC512

EXP. NO.	NAMEOF EXPERIMENT
1	Two jobs on CN Clothe on training the operations like plain turning, taper turning and curvature.
2	Two jobs on CNC milling having following operations–face milling, slotting.
3	Study and Report on part programming (using part programming and canned cycle) on machining center.
4	Study and Report on machine tool installation procedure.
5	Dismantling and Assembly of anyone– a) Tail stock on lathe b) Apron Mechanism.

6	Dismantling and Assembly of anyone– a) Tapping gate cementin drilling machine. b) Lathe Chuck
7	StudyandReportonmountinganddismountingprocedureoffollowing(anytwo)– a) Milling machine arbor. b) Vertica milling head. c) Tool post
8	Study and Report on any one of the following USM, CHM.
9	Study and Re proton any one of the following EBM, AJM.
10	Study and Report on any one of the following WJM, PAM.

SEMESTER: 5TH
Subject : Metrology & Quality Control Lab. Subject
Code : MEC513

EXP. NO.	NAMEOF EXPERIMENT
1	Standard use of basic measuring instruments. Surface plate, v-block, sprit level, combination set, filler gauge, screw pitch gauge, radius gauge, venire caliper, micrometer and slip gauges to measure dimension of given jobs.
2	To find unknown angle of component using sine bar and slip gauges.
3	Study and use of optical flat for flatness setting.
4	Measurement of screw thread elements by using screw thread Micrometer, screw pitch gauge.
5	Study and use of dial indicators a mechanical comparator for run out Measurement, roundness comparison.
6	Measurement of gear tooth elements by using gear tooth venire Caliper and verification of gear tooth profile using profile projector.
7	Testing of machine/ machine tool for flatness, parallelism, Perpendicularity by Dial indicator.

8	Draw the normal distribution curve and find standard deviation, Variance, range.
9	To draw the normal distribution curve and find stand AR deviation, Variance, range.
10	To draw and inter prattle control limit for variable measurement (X– Barend R-chart)

SEMESTER :5TH

Subject : Power Plant Engineering Lab (Elective I) Subject Code : MEC515

EXP. NO.	NAMEOF EXPERIMENT
1	Study of working principles of various components of hydro-electric power plants.
2	Study of working principles of various components of steam powerplants.
3	Study of working principles of various components of gasturbine power plants.
4	Study of working principles of various components of nuclear powerplants
5	Visittosteampowerplants/nuclearpowerplants/gasturbinepowerplants. Hydro-electric power splint sand prep area report.
6	Collection formation & Technical details of Wind power plants.
7	Collecting formation & Technical details of solar power plants.
8	Assignment on Coal & Ash Handling system.
9	Assignment on Waste Heat recovery systems.
10	Study of economic and operational aspects of power plants(simple numerical).

SEMESTER :5TH

Subject : Automobile Engineering
Lab Subject Code : MEC516

EXP. NO.	NAMEOFEXPERIMENT
1	Dismantling & assembling of a single plate dry cult assembly.
2	Dismantling & assembling of a multi-plate clutch Sedin two wheelers, Observe the operating link ages.
3	Dismantling & assembling of any two types of gear boxes observe gear shifting, gear ratio &compare them. Open& observe CVT.
4	Open & observe universal joints such as Hooks universal joint.
5	Dismantling & assembling the differential unit with bearing locations
6	Dismantling & assembling of any one type of rear axle.
7	Dismantling & assembling of the steering gear box, observe the components And steering linkages.
8	Dismantling & assembling of leaf spring.
9	Dismantle and assemble telescopic hock absorber, observe its Components.
10	Observe and draw layout of hydraulic braking system. Open master Cylinder, wheel cylinder, and braked rum. Observe the components.
11	Observeanddrawthelayoutofhydraulicallyoperatedairassistedbrakingsystem.
12	Dismantling & study of components of battery and function of charger.
13	Study of ignition, charging and starting system.
14	Study of lighting circuits, fuses and diagnosis of faults.

SEMESTER :6TH

Subject : Industrial Fluid Power

Lab Subject Code: MEC611

EXP. NO.	NAMEOF EXPERIMENT
1	Demonstration of meter in and meter out circuit.
2	Demonstration of sequencing circuit.
3	Demonstration of hydraulic circuit for shaper machine.

4	Demonstration of pneumatic circuit for speed control of double acting cylinders.
5	Demonstration of pneumatic circuit for speed control of pneumatic motor.
6	Study of trouble shooting procedures of various hydraulic and pneumatic circuits.
7	Selectionofcircuitcomponentsforsimplehydraulicandpneumaticcircuits.

SEMESTER :6TH

Subject : Measurement and AutomationLab

Subject Code: MEC612

EXP. NO.	NAMEOFEXPERIMENT
1	Measurement of strain by using a basic strain gauge and hence verify the stress induced.
2	Speed Measurement by using Stroboscope /Magnetic/Inductive Pick Up.
3	Measurement of flow by using rotameter.
4	Displacement measurement by inductive transducer.
5	Temperature control using Thermal Reed switch & Bimetalswitch.
6	Temperature calibration by using Thermocouple.
7	Determination of negative temperature coefficient andcalibration of at thermistor.
8	Measurement of force & weight by using a loadcell.
9	Report writing on visit to industry having robot Application.
10	Report writing on visit to Industry having Automation inmanufacturing.

SEMESTER :6TH

Subject : Refrigeration and Air ConditioningLab

Subject Code: MEC615

EXP.	NAME OF EXPERIMENT

NO.	
1	Trial on water cooler testing.
2	Trial on ice plant testing.
3	Visit to cold storage.
4	Demonstration of domestic frigates in View of construction, operation And Controls used.
5	Demonstration of various controls like L.P./H. P. cutouts, thermostat, over Load protector, solenoid valve used in RAC.
6	Identification of components of hermetically sealed compressor'.
7	Visit to repair and maintenance workshop in view of use of various tools and Charging procedure.
8	Cooling load calculations for cabin, classrooms, laboratory, canteen and dairy plant, milk storage, small freezers (minimum one).
9	Trial on A.C. test rig.
10	Visit to central A.C. plant in view of ducting system, insulation system and Air distribution system (e.g. frozen food industry/ice-cream industry/mushroom pants/textile industries).
11	Trouble shooting of domestic refrigerator/window air-Conditioner.

SEMESTER :6TH
Subject : Alt. Source Energy
Lab Subject Code : MEC617

EXP. NO.	NAMEOF EXPERIMENT
1	To collect information about global and Indian energy market.
2	To perform an experiment on solar flat plate collects or used for water heating.
3	To study and analyze performance of Solar street lighting System.
4	To study construction and working of photovoltaic cell.
5	To study construction, working and maintenance of solar cooker.
6	Visittoplantofsolarheatingsystemforhotel/hostel/railwaystationetc.
7	To study construction and working of horizontal axis wind mill or to visit an earnest windfarm.
8	To visit biomass/biogas plant of municipal waste or elsewhere.

9	Perform energy audit for workshop/Office/Home/SSI unit.
10	Study of various waste heat recovery devices.

- **DEPARTMENTOF Electronics and Communication Engineering**

BRANCH/SEMESTER:ECE/EEE/ME(2nd SEM)

SUBJECT: Electronics

Workshop List of Experiment:-

1. Know your Laboratory/General Rules/Safety Rules.
2. Introduction of different type of component.
3. Introduction to CRO and other electronic measuring instrument.
4. Soldering and De-soldering practices.

- **DEPARTMENTOF Electronics and Communication Engineering**

BRANCH/SEMESTER: ECE/EEE/ME(2nd SEM)

SUBJECT: Electronics Workshop

List of Experiment: -

5. Know your Laboratory/General Rules/Safety Rules.
6. Introduction of different type of component.
7. Introduction to CRO and other electronic measuring instrument.
8. Soldering and De-soldering practices.

BRANCH/SEMESTER: ECE (3rd SEM)

SUBJECT: Elect & Electronic Measurement

List of Practical's

1. Instrument workshop-observe the construction of PMMC, Dynamometer, Electro thermal and Rectifier type instrument, Oscilloscope and digital multi-meter.
2. Calibrate moving iron and electrodynamometer type ammeter/voltmeterby potentiometer.
3. Calibrate dynamo meter type Wattmeter by potentiometer
4. Calibrate A.C. energy meter.
5. Measure the resistivity of material using Kelvin Double Bridge
6. Measurement of Power using Instrument transformer
7. Measurement of Power in Poly-phase circuits
8. Measurement of Frequency by Wien Bridge using Oscilloscope
9. Measurement of Inductance by Anderson Bridge
10. Measurement of Capacitance by De Sautee Bridge
11. Measurement of frequency by CRO using Lissajous figure
12. Study of two Channel Voltage to Circuit transmitter (V-I Transmitter)
13. Study of two Channel I-V Receiver (Converter).
14. Temperature measurement using AD590 Semiconductor temperature sensor.
15. Displacement measurement by Capacitive Transducer.
16. Pressure & Displacement measurement by Linear Variable Displacement Transducer (LV

DT).

17. Study of load cell. (To study the load cell behavior for tensile & compressive load).
18. Torque measurements by Strain Gauge Transducer.
19. MeasurementoflineardisplacementusingInductiveDisplacementTransducer.
20. Measurement of speed using Magnetic Pick-Up Proximity Sensor.
21. Relative Humidity measurement using Capacitive Transducer.
22. Displacement measurement by Magnetic Bi-Polar Digital Position Sensor (using Hall Effect).
23. Measurement of angular speed by Stroboscope.
24. Studies of L.D.R
25. Studies of Photo Diodes &Photo Voltaic cells.
26. Study of transducers and measurement of parameters.

BRANCH/SEMESTER: ECE (3rd. SEM)
SUBJECT: Electromagnetic Field and Waves
List of Practical's

1. Verification of Ohm's Law.
2. To Verify Faraday's Low of Electromagnetic Induction (For Dynamically & Statically Induced EMF).
3. To Verify Superposition Theorem.
4. Study of Waveguide for Transmission Line.
5. To Study E M Wave Radiation and Radiation and Propagation through Antenna.
6. Design Antenna through Software (Hfss).
7. Simulation of Antenna through Software (Hfss).

BRANCH/SEMESTER: ECE (3rd SEM)
SUBJECT: Electronic Devices and CircuitsLab.
List of experiments

1. Study the following devices:(a) Analog &digital multimeters (b)Function/Signal generators (c) Regulated d. c. power supplies (constant voltage and constant current operations) (d)Study of analog CRO, measurement of time period, amplitude, frequency & phase angle using Lissajous figures.
2. Plot V-I characteristics of P-N junction diode & calculate cut in voltage, reverse Saturation current and static & dynamic resistances.
3. Plot V- I characteristic of Zener diode and study of Zener diode as voltage regulator. Observe the effect of load changes and determine load limits of the voltage regulator.
4. Plot frequency response curve for single stage amplifier and to determine gain bandwidth product
5. Plot drain current-drain voltage and drain current– gate bias characteristics of field effect transistor and measure of Idss & Vp
6. Application of Diode as clipper & clamper
7. Plot gain-frequency characteristic of two stage RC coupled amplifier & calculate its bandwidth and compare it with theoretical value.
8. Plot gain-frequency characteristic of emitter follower & find out its input and output resistances.
9. Plot input and output characteristics of BJT in CB, CC and CE configurations. Find their h-parameters
10. Study half wave rectifier and effect of filters on wave. Also calculate theoretical & practical ripple factor.
11. Study bridge rectifier and measure the effect of filter network on D.C. voltage output & ripple factor.
12. Oscillator circuits

BRANCH/SEMESTER: EEE(3rdSEM)
SUBJECT: Electronics Engineering Lab.
List of Practical's

1. Forward & Reverse characteristics of diode
2. Characteristics of Zener diode.
3. Study of Rectifiers (Half wave & Full wave) & Filters (Capacitor & Inductor filter)
4. Input & Output Characteristics of transistor in CE mode
5. Characteristics of FET.
6 .Characteristics of UJT.
7. Load & Live regulation Characteristics of Regulator
8. Frequency response of single stage RC coupled amplifier.
9. To Study the V-I Characteristics of PN Junction diode.
10. Determination of h-parameter

BRANCH/SEMESTER: ECE(4th SEM)

SUBJECT: Communication System Lab.

LISTOFEXPERIMENTS:

1. Signal Sampling and reconstruction
2. Time Division Multiplexing
3. AM Modulator and Demodulator
4. FM Modulator and Demodulator
5. Pulse Code Modulation and Demodulation
6. Delta Modulation and Demodulation
7. Observation(simulation)of signal constellations of BPSK, QPSK and QAM
8. Line coding schemes
9. FSK, PSK and DPSK schemes (Simulation)
10. Error control coding schemes –Linear Block Codes (Simulation)
11. Communication link simulation Equalization–Zero Forcing & LMS algorithms(simulation)

BRANCH/SEMESTER: EEE(4thSEM)

SUBJECT: Digital and Microprocessor Lab.

List of Practical:

1. To verify the truth table of logic gates, realize AND, OR, NOT gates.
2. To realize AND, OR gates using diodes and resistors.
3. To verify the Boolean algebra function using digital IC gates (consensus theorem).
4. To realize the function F (A, B, C, D) = (C+D) (A+B) (B+D) using NOR gates.
5. Design a half/full adder circuit using FF for 2bits.
6. Design a half/full subtractor circuit using FF for 2bits.
7. Design a binary to gray code converter.
8. Design a function using K-map and verify its performance using SOP& POS.
9. Design BCD to seven segment display using 7447 IC.
10. Implement F (A, B, C)=E(1,3,4,5,6)with a multiplexer.
11. To study 8085 based microprocessor system
12. To load content in one register 8 shift it to another.
13. To move the content of one memory location to another.

14. To develop and run a program for finding out the largest/smallest number from a given set of numbers.
15. To develop and run a program for arranging in ascending/descending order of a set of number
16. To perform multiplication/division of given numbers.
17. To perform floating point mathematical operations (addition, subtraction, multiplication, and division).
18. To perform computation of square root of a given number.

BRANCH/SEMESTER: ECE(4th SEM)

SUBJECT: Digital Technology and MicroprocessorLab.

LIST OF EXPERIMENTS:

1. Verification of basic Logic gates
2. Verification of Universal logic gates and realization of basic gates
3. Design and implementation of code converters using logic gates
   (i) Binary to gray and vice-versa
4. Design and implementation of 4bit binary Adder/ Subtractor and BCD adder using IC7483
5. DesignandimplementationofMultiplexerandDe-multiplexerusinglogicgates
6. Design and implementation of encoder and decoder using logic gates
7. Construction and verification of 4bit ripple counter and Mod-10/Mod-12 Ripple counters
8. Design and implementation of 3-bit synchronous up/down counter
9. Implementation of SISO, SIPO, PISO and PIPO shift registers using Flip-flops.

Microprocessor kit/assembler Programs using kits and assembler

1. Basic arithmetic and Logical operations
2. Move a data block without overlap
3. Code conversion, decimal arithmetic and Matrix operations.
4. Floating point operations, string manipulations, sorting and searching
5. Password checking, Print RAM size and system date
6. Counters and Time Delay

   Peripherals and Interfacing Experiments
7. Traffic light control
8. Stepper motor control
9. Digital clock
10. Keyboard and Display
11. Printer status
12. Serial interface and Parallel interface
13. A/D and D/A interface and Waveform Generation

BRANCH/SEMESTER: ECE(4thSEM)

SUBJECT: Electronic Workshop

1. Identification, Study & Testing of various electronic components:(a) Resistances-Various types, Color coding (b)Capacitors-Various types, Coding, (c)Inductors (d)Diodes (e) Transistors (f) SCRs (g) ICs (h) Photo diode (i) Photo transistor(j)LED (k)LDR (l) Potentiometers.

2. Study of symbols for various Electrical & Electronic Components, Devices, Circuit Functions etc.
3. To study and perform experiment on CRO demonstration kit.
4. Soldering & De-soldering practice.
5. To Design & fabricate a PCB for a Regulated power supply. Assemble the Regulated power supply using PCB and test it.
6. Study and plot the characteristics of following Opto-Electronic devices–(a)LED (b)LDR(C)Photovoltaic cell(d) Opto-coupler(e)Photodiode(f)Photo transistor(g)Solar cell.
7. Study the specifications and working of a Transistor radio (AM&FM) kit and Perform measurements on it.
8. Study the specifications and working of a Public Address System.
9. To prepare design layout of PCBs using software tools.
10. To fabricate PCB and testing of electronics circuit on PCB.
11. To design and test Switch Mode Power Supply using ICs
12. To study the specifications and working o fa DVD Player.
13. To study the specifications and working of LCD TV.
14. To study the specifications and working of LED TV.

BRANCH/SEMESTER: ECE(4thSEM)

SUBJECT: Computer Communication & Networking Lab

1. Study of Network Components.
2. Study of Analog and Digital Signals.
3. Study of Network Topologies.
4. To connect two pc's using peer to peer communication.
5. Implementation of small network using hband switch.
6. To study Error Detection methods.
7. To study Error Correction methods.
8. To study the different line coding schemes.
9. Basic study of Network classes.
10. Study of DTE- DCE.
11. Study of Networks.
12. Overview of Boson Simulator.

BRANCH/SEMESTER: ECE(5thSEM)
SUBJECT: Digital Communication System Lab (Elective-II)

LISTOFEXPERIMENTS

1. Study of Time Division Multiplexing system.

2. Study of pulse code modulation and demodulation.

3. Study of delta modulation and demodulation and observe effect of slope overload.

4. Study pulse data coding techniques for various formats.

5. Data decoding techniques for various formats.

6. Study of amplitude shift keying modulator and demodulator.

7. Study of frequency shift keying modulator and demodulator.

8. Study of phase shift keying modulator and demodulator.

9. Error Detection & Correction using Hamming Code

10. Digital link simulation; error introduction & error estimation in a digital link using MATLAB (SIMULINK)/communication simulation packages.

BRANCH/SEMESTER: ECE(5thSEM)
SUBJECT: Embedded Systems Lab (Elective-I)

List of Experiments

1. Study of ARM7 & ARM 9Bit Processor Architecture and Pin Diagram.

2. Study of Interrupt structure in ARM Processors

3. Write ARM Processor program to Flash LED

4. Interfacing of an LCD Display

5. Write a program to interface an ADC

6. Write a program to generate a Ramp wave form using DAC interface

7. Write a program to control a Stepper Motor

8. Write a program to control the speed of DC motor

9. Interface relays and write a program to control them

10. Interface ZIGBEE with ARM to control more external devices

11. Interfacing of Biometric information recorder

12. Interfacing RFID module with ARM Microcontroller

BRANCH/SEMESTER: ECE(5rdSEM)
SUBJECT: Instrumentation Lab
Listof Experiments: -

1. To determine output characteristic of a LVDT and determine its sensitivity.
2. Study characteristics of temperature transducer like Thermocouple, Thermistor and RTD with implementation of small project using signal conditioning circuit.

3. Study characteristics of Light transducer like Photovoltaic cell, Phototransistor and Pin Photo diode with implementation of small project using signal conditioning circuit.
4. To study input-output characteristics of a potentiometer and to use two potentiometers as an error detector.
5. To study transmitter-receiver characteristics of a synchro set to use the set as control component.
6. To study the operation of a d c positional servo system and to investigate the effect of damping and supply voltage onits response.
7. To study the operation of an a.c. position servo- system and to obtain effects of supply voltage and system parameter on its transient response.
8. To study a stepper motor and control its direction speed and number of steps with the help of a microprocessor
9. ADC Converter
10. DAC converters
11. Study of Automation system
12. Intelligent controllers

BRANCH/SEMESTER: ECE(5thSEM)
SUBJECT: Linear Integrated Circuits (Elective II)

Listof Experiments:

1. To study differential amplifier configurations.
2. To measure the performance parameters of an Op amp.
3. Application of Op amp as Inverting and Non-Inverting amplifier.
4. To study frequency response of an Op Amp
5. To use the Op-Amp assuming, scaling & averaging amplifier.
6. To use the Op-Amp as Instrumentation amplifier
7. Design differentiator and Integrator using Op-Amp.
8. Application of Op Amp as Log and Anti log amplifier. Design Low pass, High pass and Bandpass1st order butter worth active filters using Op Amp.
9. Design Phase shift oscillator using Op-Amp.
10. Design Wien Bridge oscillator using Op-Amp.
11. Application of Op Amp as Saw tooth wave generator.
12. Application of Op Amp as Zero Crossing detector and window detector.
13. Application of Op Amp as Schmitt Trigger.
14. Design series regulators with an error amplifier to provide an output voltage of 5 volt at a load current of 1.5 Amp. Use a 741 Op-Amp and specify the Zener voltage necessary transistor gain and the maximum power dissipation of the transistor.

15. Design a delay circuit using 555.
16. To examine the operation of a PLL and to determine the free running frequency, the capture range and the lock in range of PLL.
17. Verification of hardware results obtained using SPICE.

BRANCH/SEMESTER: ECE(5thSEM)
SUBJECT: Power Electronics

List of Experiment

1. Study of v-I characteristics of scr.
2. Study of v-I characteristics of a triac.
3. Study of different triggering circuits for thyristor.
4. Study of uni-junction transistor (ujt) triggering circuit.
5. Study of a firing circuit suitable for single phase half-controlled convertor.
6. Simulation on the single-phase ac- dc uncontrolled convertor with & without the source inductance.
7. Simulation of a single-phase ac to controlled dc convertor with & without the source inductance.
8. Single phase half-controlled bridge convertor with two thyristors & two diodes.
9. Single phase fully controlled bridge convertor using four thyristors.
10. PSPICE simulation of dc-to-dc step down chopper.
11. PSPICE simulation of single-phase controller with r-l load.
12. PSPICE simulation of PWM bridge invertor of r-l load using MOSFET.

BRANCH/SEMESTER: ECE
(5thSEM)

SUBJECT: VLSI LAB (Elective-I)

List of Experiments: Combinational Design Exercises

1. Design of basic Gates: AND, OR, NOT.
2. Design of universal gates
3. Design of 2:1MUX using other basic gates
4. Design of 2 to 4 Decoder
5. Design of Half-Adder, Full Adder, Half Substractor, Full Substractor
6. Design of 3:8 Decoder
7. Design of 8:3 Priority Encoder
8. Design of 4 Bit Binary to Grey code Converter
9. Design of 4 Bit Binary to BCD Converter using sequential statement
10. Design an 8 Bit parity generator (with for loop and Genericstatements)

Sequential Design Exercises

11. Design of 2's Complementary for 8-bit Binary number using Generate statements

12. Design of all type of Flip-Flops using(if-then-else) Sequential Constructs
13. Design of 8-Bit Shift Register with shift Right, , R-Shift Left, Load and Synchronous reset.
14. Design of Synchronous 8-bitJohnsonCounter.
15. Design of Synchronous8-Bit universal shift register parallel-in, parallel-out) with3-state output (IC74299)
16. Design of 4 Bit Binary to BCD Converter using sequential statement.
17. Design counters (MOD3, MOD5, MOD8, MOD16)
18. Design a decimal up/down counters that counts up from 00 to 99 or down from 99to00.
19. Design3-lineto8-linedecoderwithaddresslatch

BRANCH/SEMESTER: EEE (5thSEM)

Subject: Microprocessor & Microcontroller Lab (Elective-I)

LISTOFEXPERIMENTS:

8086 Programs using kits and MASM

1. Basic arithmetic and Logical operations
2. Move a data block without overlap
3. Code conversion, decimal arithmetic and Matrix operations.
4. Floating point operations, string manipulations, sorting and searching
5. Password checking, Print RAM size and system date
6. Counters and Time Delay
7. Traffic light control
8. Stepper motor control
9. Digital clock Keyboard and Display
11. Printer status
12. Serial interface and Parallel interface
13. A/D and D/A interface and Waveform Generationusing8051
14. Basic arithmetic and Logical operations
15. Square and Cube program, Find2"scomplementofanumber
16. Unpacked BCD to ASCII

BRANCH/SEMESTER: ECE(6thSEM)
Subject: Optical Fiber Communication

LIST OF EXPERIMENTS
1. DC Characteristics of LED
2. DC Characteristics of PIN
3. DC Characteristics of Photo diode
4. Mode Characteristics of Fibers
5. Measurement of connector and bending losses
6. Fiber optic Analog and Digital Link- frequency response(analog)
7. Fiber optic Analog and Digital Link- frequency response eye diagram (digital)
8. Numerical Aperture determination for Fibers
9. Attenuation Measurement in Fibers 10. Attenuation losses in bending of fibers.

BRANCH/SEMESTER: ECE(6thSEM)
Subject: Internet of Things Lab

List of Experiments-

1. Physical and virtual Networking
2. Multimedia operation using wireless modes
3. Development of systems based on IOT technique
4. Operation of sensors through networking in wired and wireless modes
5. Operation of actuators through networking in wired and wireless modes
6. Smart board handling through wireless networks
7. GSM based evaluation of road traffic system
8. Smart town features demonstration
9. Cloud based operation
10. Case study of IOT based system.

BRANCH/SEMESTER: ECE(6thSEM)

Subject: Microwave Lab

List of Experiments:

1. Study of microwave components and instruments.
2. Measurement of crystal characteristics and proof of the square law characteristics of the diode.
3. Measurement of klystron characteristics.
4. Measurement of VSWR and standing wave ratio.
5. Measurement of Dielectric constants.
6. Measurement of Directivity and coupling coefficient of a directional coupler.
7. Measurement of Q of a cavity.
8. Calibration of the attenuation constant of an attenuator.
9. Determination of the radiation characteristics and gain of an antenna.
10. Determination of the phase-shift of a phase shifter.
11. Determination of the standing wave pattern on a transmission line and finding the length and position of the short-circuited stub.

BRANCH/SEMESTER: ECE(6thSEM)

Subject: Satellite Communication

Lab List of Experiments:

1 Measure the base band analog signal parameters in a wireless link.

2 Study the phenomenon of linear and circular polarization of antennas.

3 Measure the C/N ratio and propagation delay of signal in a sitcom link.

4 To estimate, calculate and design of satellite link budget.

5 To simulate satellite system using Qual net

6 To study and analyze Digital modulation techniques in time and frequency domain and their constellation view.

7 To measure numerical aperture and various types of losses in fiber.

8 Measurement of insertion loss, directivity, back reflection /return loss for a series of fiber optic components (i.e. coupler, WDM, isolator, circulator, DWDMMUX/De-MUX devices)

9 Designing of optical communication systems and photonic devices as per the given Specifications using simulation software's.

10 Do investigations in terms of BER, Eye diagram for systems and mode calculation for devices.

Subject: VLSI Lab (Elective-IV)

BRANCH/SEMESTER: EEE (5^{th}SEM

List of Experiments: Combinational Design Exercises

1. Design of basic Gates: AND, OR, NOT.

2. Design of universal gates

3. Design of 2:1 Mux using other basic gates

4. Design of 2 to 4 Decoder

5. Design of Half-Adder, Full Adder, Half Substractor, Full Substractor

6. Design of 3:8 Decoder

7. Design of 8:3 Priority Encoder

8. Design of 4Bit Binary to Grey code Converter

9. Design of 4Bit Binary to BCD Converter using sequential statement
10. Design an 8 Bit parity generator (with for loop and Generic statements)
11. Design of 2,s Complementary for 8-bit Binary number using Generate statements

Sequential Design Exercises

12. Design of all type of Flip-Flops using (if-then-else) Sequential Constructs
13. Design of 8-Bit Shift Register with shift Right, R-Shift Left, Load and Synchronous reset.
14. Design of Synchronous 8-bit Johnson Counter

15. Design of Synchronous 8-Bit universal shift register (parallel-in, parallel-out)

with 3- state output (IC 74299)

16. Design of 4 Bit Binary to BCD Converter using sequential statement.

17. Design counters (MOD3, MOD5, MOD8, MOD16)

18. Design a decimal up/down counters that counts up from 00 to 99 or down from 99 to 00.

19. Design 3-line to8-line decoder with address latch**.**

BRANCH/SEMESTER: EEE (6th SEM)

SUBJECT: Communication System Lab

LIST OF EXPERIMENTS:

1. Signal Sampling and reconstruction
2. Time Division Multiplexing
3. AM Modulator and Demodulator
4. FM Modulator and Demodulator
5. Pulse Code Modulation and Demodulation
6. Delta Modulation and Demodulation
7. Observation (simulation)of signal constellations of BPSK, QPSK and QAM
8. Line coding schemes
9. FSK, PSK and DPSK schemes(Simulation)
10. Communication link simulation

- **PHYSICS**

Semester 1

LIST OF EXPERIMENTS:

1. To know your physics laboratory.
2. To use Vernier Calipers for the measurement of dimension of given object.
3.To use micrometer screw Gauge for the measurement of dimensions (length ,thickness, diameter)of given object.
4.To use Spherometer for the measurement of thickness of a given glass piece.
5. To calculate Young's modulus of elasticity of steel wire by vernier method.
6.To study capillary phenomenon and to verify that the height of liquid in capillary is inversely proportional to the radius of capillary.
7.To determine coefficient of viscosity of given liquid using Stoke's Method.
8.To calculate the linear thermal coefficient of expansion for copper by using pullinger's apparatus.
9. To determine refractive index of a glass using glass slab by pin method (sinI/sin r=
10.To determine the velocity of sound by using resonance tube.
11.To verify inverse square law by using photoelectric cell.

Semester 2

LIST OF EXPERIMENTS:

1.To represent simple harmonic motion with the help of vertical oscillation of spring to determine spring constant (K) (stiffness constant)
2. To determine time period of oscillation of compound bar pendulum and calculate acceleration due to gravity(g).
3. To calculate refraction index of material of prism using spectrometer device.
4.To determine effective capacitance of series and parallel combination of capacitors by calculating its reactance.
5.Verification of Ohm's law.
6. To convert galvanometer into ammeter of required range using appropriate value of shunt.
7. To verify total internal reflection (TIR) phenomenon for given glass slab and to calculate critical angle of incidence.
8.Determine 1-4 characteristics of P-N junction diode.
9.To determine of Energy Gap (Forbidden Gap) of a semi-conductor.
10. To verify inverse square law by using photoelectric cell.

- **CHEMISTRY**

Chemistry lab
List of experiment each semester

Semester 1

01-04 Qualitative Analysis of four salts, containing one basic and one Acidic Radical listed below.

Basic Radicals:

Pb^{+2}, Cu^{+2},Al^{+3},Fe^{+3},Cr^{+3},Zn^{+2},Ni^{+2},Ca^{+2},Ba^{+2},Mg^{+2},K^{+},NH^{+}_{4}.

Acidic Radicals :

Cl^{-}, Br^{-},I^{-},Co_3^{-2},So_4^{-2},No_3^{-}

05 To determine E.C.E. of Cu by using CUSO4 solution &Copper electrode.
06 To Standardize KMnO4 Using Sodium Oxalate.
07 To Determine percentage of Fe in the given Mohr's salt.
08 To prepare a chart to showing application of metals like Fe,Cu,Al,Cr,Ni,Sn,Pb,Co.
09 To determine Carbon Monoxide, CO_2, content emission from petrol vehicle.
10 To determine Dissolved Oxygen in a water sample.

Semester 2

1. To determine neutralization point of Fatty Acid and ammonium hydroxide calculate normality and strength of fatty acids.
2. To determine the equivalent conductivity of precipitation of Bacl2 with H2SO4 By titrating method. Also find the normality and strength of Bacl2 solution.
3. To verify Faraday's second law of electrolysis.
4. To determine PH of given solution by universal indicator and PH meter.
5. To determine the strength of given hydrochloric acid solution by titrating it against sodium hydroxide solution by using PH meter.
6. To determine thinner content in oil paint.
7. To determine the flash and fire point of a given sample of lubricating oil.
8. To prepare phenol formaldehyde resin (Bakelite).
9. To determine viscosity of given lubricating oil.
10. To determine the alkalinity of given sample of water to decide the suitability of water for use in industry, steam generation,etc.
11. To determine degree of hardness of water by EDTA method to find the Suitability of water the suitability of in industrial and domestic use.
12. study of fire clay bricks and furnaces.

s. Computing Facilities

Internet Bandwidth	50Mbps
Number and configuration of system	170Pcs(Dual-Core@2.80Ghz,4GBRAM-60pcs) (Intel-Pentium)@3.10Ghz,4GBRAM-40Pcs(Intel13@3.70Ghz,4GBRAM-70 Pcs)
Total number of systems connectedby LAN	170Pcs
Total number of systems connected by WAN	170Pcs (Public WAN)
Major software packages available	Window's 10 MS Office standard 2016MSServer 2016 Lym sys(Library Software) Orell itel (language Software) Auto-CAD
Special purpose facilities available	Nil

t. Innovation Cell - ***Available***

u. Social Media Cell – ***Available***

v. Compliance of the National Academic Depository (NAD), applicable to PGCM/PGDM Institutions and University Departments ***-yes***

w. **List of facilities available**

- Games and Sports Facilities– ***Available***
- Extra- Curricular Activities – ***Available***
- Soft Skill Development Facilities– ***Available***
- *First auid facilities* ***- Available***

x. Teaching Learning Process

- Curricula and syllabus for each of the programmed as approved by the University– **sbtejharkhand.nic.in/syllabus.html**
- Academic Calendar of the University***- Available***

- Internal Continuous Evaluation System and place–***Available***
- Student's assessment of Faculty, System in place–***Available***
- **For each Post Graduate Courses give the following- *N. A.***
- **Special Purpose**
  - Software, all design tools in case
  - Academic Calendar and Frame work

y. **Academic Time table with the name of the faculty members handling the course** – ***Available(as per JUT"s curriculum)***

- Time table for 3rd sem EEE

XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
Department of Electrical and Electronics Engineering
Namkum, Ranchi ,834010
Class Routine of 3rd Semester
w.e.f-12-12-2022

Day	9:00-10:00 (am)	10:00-11:00 (am)	11:00-12:00(noon)	L U N C H	1:00-2:00(pm)	2:00-3:00(pm)	3:00-4:00(pm)	4:00-5:00(pm)
Mon.	Electronics Engg.	Electrical Engg.	Math III		Electrical Engg. Lab		Basic Engg.	SCA
Tue.	Electronics Engg.	Electrical Engg.	Math III		Electrical Engg. Lab		Basic Engg.	SCA
Wed.	Electronics Engg.	Electrical Engg.	Math III		DLS		Basic Engg.	
Thu.	Measurement	Library	Math III		Measurement		SCA	
Fri.	Measurement	Library	DLS		Electronics Engg. Lab		SCA	
Sat.	Measurement	Basic Engg Lab		DLS				

Student Centered Activity	Mrs. Gulfshan
Measurement	Mr. Vikas Kr. Tiwari
Math III	Ms Anjna Bara
Basic Engg.	Mr. Lochan / Mr. A. Bage/Mr. Surendra Kumar
Electronics Engg.	Mr. Ratnesh Kumar
Electrical Engg.	Mrs. Gulfshan
Electronics Engg. Lab	Mr. Ratnesh Kumar
DLS	Ms. Lily Lakra
Measurement Lab	Mr. Vikas Kr. Tiwari
Electrical Engg. Lab	Mrs. Gulfshan

HOD I/C EEE

Principal

- **Time Table for EEE 6th Semester**

XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY, NAMKUM, RANCHI
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING(EEE)
CLASS ROUTINE OF 6th Semester(session 2020-23)

W.E.F : 31-01-2023

Day / Time	9:00-10:00 (am)	10:00-11:00 (am)	11:00-12:00 (noon)	L U N C H	1:00-2:00(pm)	2:00-3:00(pm)	3:00-4:00 (pm)	4:00-5:00(pm)
Mon.	RES	PP	PE		I.E &Mgt.	CS Lab		SCA
Tue.	RES	PP	PE		I.E &Mgt.	PE Lab		SCA
Wed.	RES	PE	PP		I.E &Mgt.	Project		
Thu.	CS	SCA	UEE		RES Lab		SCA	
Fri.	CS	PP	UEE		UEE Lab		SCA	
Sat.	CS	UEE	Project					

Project	Mrs.Gulfshan/VKT/RK/LL/R.Kujur
Industrial Engineering & Management	Mr. Jaitun Kumar
Utilization of Electrical Energy (Theory & Lab)	Mr. Vikas Kr. Tiwari
Power Electronics (Theory and Lab)	Mr. Ratnesh Kumar
Communication System (Theory and Lab)	Mrs. Ansumala Kispotta
Renewable Energy Sources (Theory and Lab)	Miss. Lily Lakra
Professional Practice	Miss Ruchi Kujur
SCA	All faculty

HOD I/C EEE

Principal

- **Time Table for ME 3rd Semester**

DEPARTMENT OF MECHANICAL ENGINEERING
CLASS ROUTINE OF 3rd SEMESTER
(w.e.f- 12.12.22)

TIME / DAY	9:00 -10:00	10:00 -11:00	11:00 -12:00	12:00 -1:00	1:00 -2:00	2:00 -3:00	3:00 -4:00	4:00 -5:00
MON	EnggMaths III	DLS	Machine Drawing		SOM LAB		SCA	
TUE	EnggMaths III	SOM	Engg Materials		Machine Drawing Lab		SCA	
WED	Engg Mechanics	DLS	SOM		SOM LAB		SCA	
THU	Engg Materials	EnggMaths III	SOM		Machine Drawing Lab		Library	
FRI	EnggMaths III	Machine Drawing	Engg Mechanics		DLS	Engg Mechanics Lab		
SAT	Engg Mechanics	Engg Materials	DLS	Machine Drawing				

Name of the Subjects	Name of the Faculty
EnggMaths III	Ms Anjana Bara
Engg Mechanics	Mr Alvin A Bage
Strength of Materials (SOM)	Mr Alvin A Bage
Machine Drawing	Mr Lochan S Khalkho
Engineering Materials	Mr Alok Niranjan Kumar
Dev. of life skills (DLS)	Mr Salahuddin Ansari
Student centered activity (SCA)	Mr. Raj kumar/Salahuddin Ansari

12/12/2022
Signature HoD I/C

KAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY · NAMKUM · LIGHT OF THE WORLD IN CHRIST

12/12/2022
Signature Principal

- **Time Table for ME 6th Semester Section A**

XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY, NAMKUM, RANCHI

DEPARTMENT OF MECHANICAL ENGINEERING

CLASS ROUTINE OF 6th A Semester

(w.e.f- 21/01/2023)

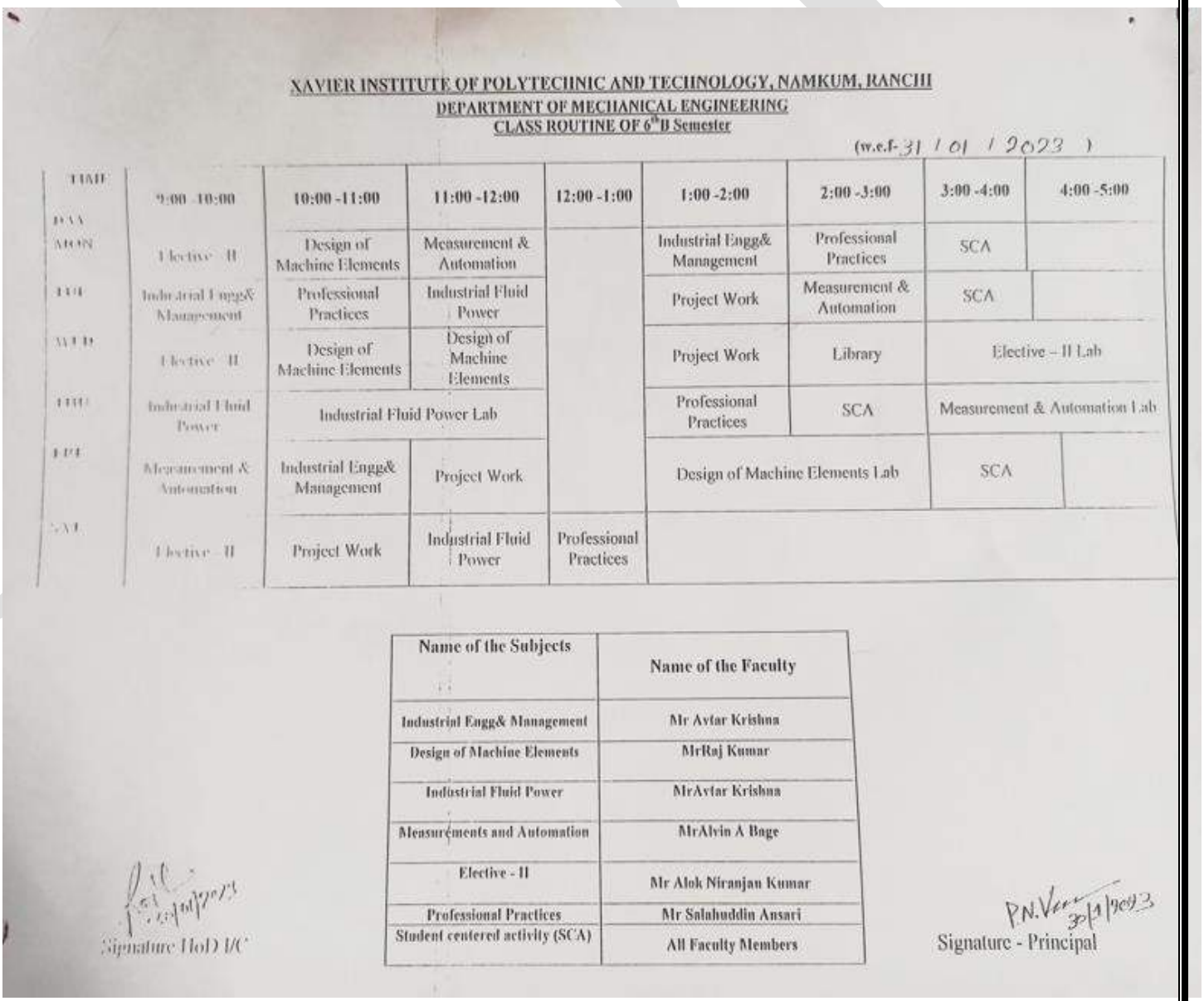
	9:00 -10:00	10:00 -11:00	11:00 -12:00	12:00 -1:00	1:00 -2:00	2:00 -3:00	3:00 -4:00	4:00 -5:00
	Measurement & Automation	Industrial Engg& Management	Professional Practices	Lunch	Elective - II	Library	Elective II Lab	
	Elective - II	Design of Machine Elements	Design of Machine Elements		Project Work	SCA	Measurement & Automation Lab	
	Industrial Engg& Management	Industrial Fluid Power Lab			Project Work	Professional Practices	SCA	
	Measurement & Automation	Industrial Fluid Power	Elective - II		Design of Machine Elements Lab		Professional Practices	
	Industrial Engg& Management	Design of Machine Elements	Project Work		Industrial Fluid Power	Professional Practices	SCA	
	Industrial Fluid Power	Project Work	Measurement & Automation	SCA				

Name of the Subjects	Name of the Faculty
Industrial Engg& Management	Mr Avtar Krishna
Design of Machine Elements	MrRaj Kumar
Industrial Fluid Power	MrAvtar Krishna
Measurement & Automation	MrAlvin A Bage
Elective - II	MrLochan S Khalkho
Professional Practices	Mr Salahuddin Ansari
Student centered activity (SCA)	All Faculty Members

Signature HoD I/C

Signature - Principal

- **Time Table for ME 6th Semester Section B**



XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY, NAMKUM, RANCHI

DEPARTMENT OF MECHANICAL ENGINEERING

CLASS ROUTINE OF 6th B Semester

(w.e.f- 31 / 01 / 2023)

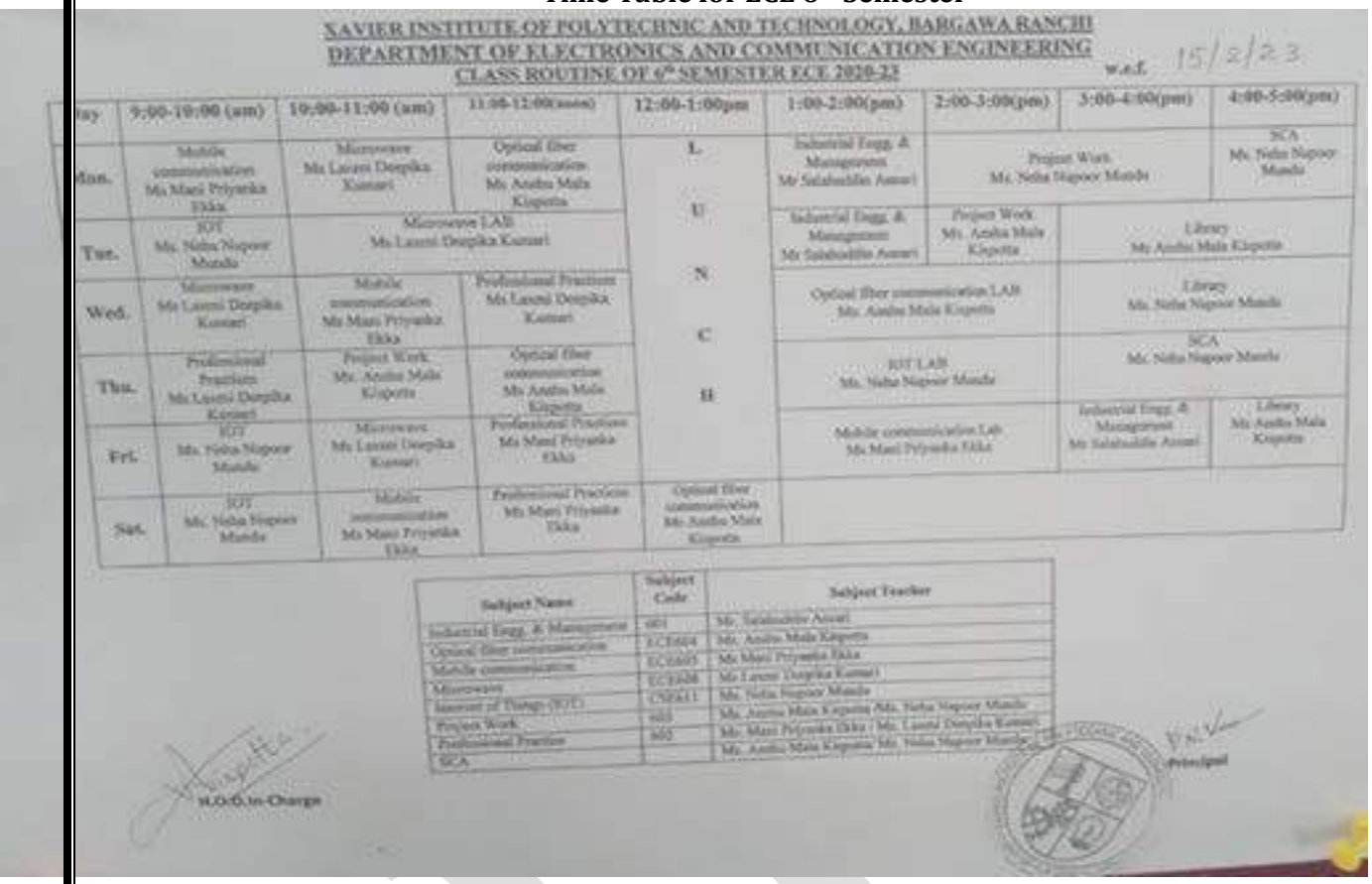
TIME / DAY	9:00 -10:00	10:00 -11:00	11:00 -12:00	12:00 -1:00	1:00 -2:00	2:00 -3:00	3:00 -4:00	4:00 -5:00
MON	Elective - II	Design of Machine Elements	Measurement & Automation		Industrial Engg& Management	Professional Practices	SCA	
TUE	Industrial Engg& Management	Professional Practices	Industrial Fluid Power		Project Work	Measurement & Automation	SCA	
WED	Elective - II	Design of Machine Elements	Design of Machine Elements		Project Work	Library	Elective – II Lab	
THU	Industrial Fluid Power	Industrial Fluid Power Lab			Professional Practices	SCA	Measurement & Automation Lab	
FRI	Measurement & Automation	Industrial Engg& Management	Project Work		Design of Machine Elements Lab		SCA	
SAT	Elective - II	Project Work	Industrial Fluid Power	Professional Practices				

Name of the Subjects	Name of the Faculty
Industrial Engg& Management	Mr Avtar Krishna
Design of Machine Elements	MrRaj Kumar
Industrial Fluid Power	MrAvtar Krishna
Measurements and Automation	MrAlvin A Bage
Elective - II	Mr Alok Niranjan Kumar
Professional Practices	Mr Salahuddin Ansari
Student centered activity (SCA)	All Faculty Members

Signature HoD I/C

Signature - Principal

- **Time Table for ECE 6th Semester**



XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY, BARGAWA RANCHI
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
CLASS ROUTINE OF 6th SEMESTER ECE 2020-23 w.e.f. 15/2/23

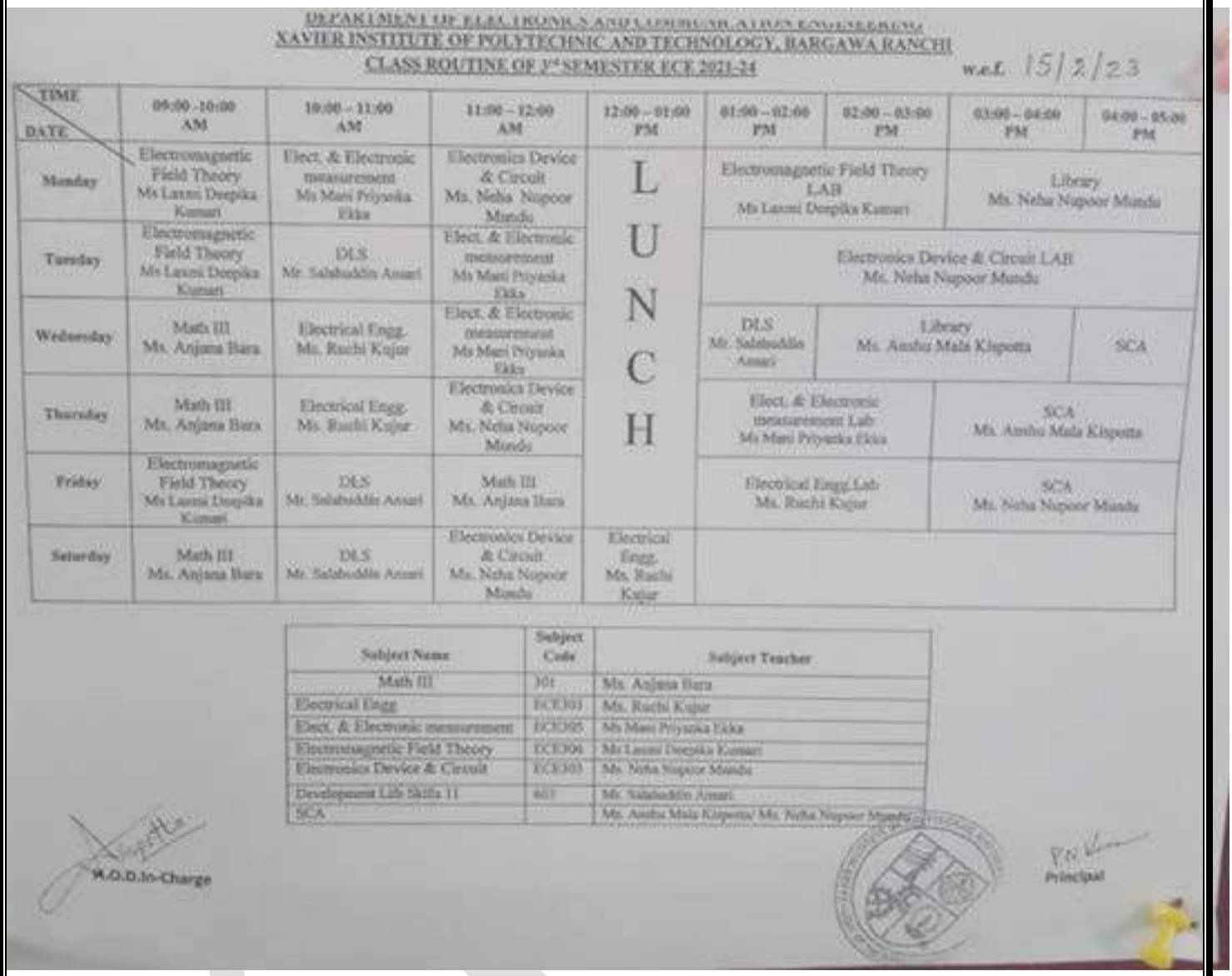
Day	9:00-10:00 (am)	10:00-11:00 (am)	11:00-12:00(noon)	12:00-1:00pm	1:00-2:00(pm)	2:00-3:00(pm)	3:00-4:00(pm)	4:00-5:00(pm)
Mon.	Mobile communication Ms Mani Priyanka Ekka	Microwave Ms Laxmi Durgika Kumari	Optical fiber communication Ms Anshu Mala Kispotta	LUNCH	Industrial Engg. & Management Mr Salahuddin Ansari	Project Work Mr. Neha Nupoor Mundu		SCA Ms. Neha Nupoor Mundu
Tue.	IOT Ms. Neha Nupoor Mundu	Microwave LAB Ms Laxmi Durgika Kumari			Industrial Engg. & Management Mr Salahuddin Ansari	Project Work Ms. Anshu Mala Kispotta	Library Ms Anshu Mala Kispotta	
Wed.	Microwave Ms Laxmi Durgika Kumari	Mobile communication Ms Mani Priyanka Ekka	Professional Practices Ms Laxmi Durgika Kumari		Optical fiber communication LAB Ms. Anshu Mala Kispotta		Library Ms. Neha Nupoor Mundu	
Thu.	Professional Practices Ms Laxmi Durgika Kumari	Project Work Ms. Anshu Mala Kispotta	Optical fiber communication Ms Anshu Mala Kispotta		IOT LAB Ms. Neha Nupoor Mundu		SCA Ms. Neha Nupoor Mundu	
Fri.	IOT Ms. Neha Nupoor Mundu	Microwave Ms Laxmi Durgika Kumari	Professional Practices Ms Mani Priyanka Ekka		Mobile communication Lab Ms Mani Priyanka Ekka		Industrial Engg. & Management Mr Salahuddin Ansari	Library Ms Anshu Mala Kispotta
Sat.	IOT Ms. Neha Nupoor Mundu	Mobile communication Ms Mani Priyanka Ekka	Professional Practices Ms Mani Priyanka Ekka	Optical fiber communication Ms Anshu Mala Kispotta				

Subject Name	Subject Code	Subject Teacher
Industrial Engg. & Management	601	Mr. Salahuddin Ansari
Optical fiber communication	EC0604	Ms. Anshu Mala Kispotta
Mobile communication	EC0605	Ms Mani Priyanka Ekka
Microwave	EC0606	Ms Laxmi Durgika Kumari
Internet of Things (IOT)	CS(E)611	Ms. Neha Nupoor Mundu
Project Work	603	Ms. Anshu Mala Kispotta /Ms. Neha Nupoor Mundu
Professional Practice	602	Ms. Mani Priyanka Ekka / Ms. Laxmi Durgika Kumari
SCA		Ms. Anshu Mala Kispotta/Ms. Neha Nupoor Mundu

H.O.D.in-Charge

Principal

- **Time Table for ECE 3rd sem**



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY, BARGAWA RANCHI
CLASS ROUTINE OF 1st SEMESTER ECE 2021-24

w.e.f. 15/2/23

TIME / DATE	09:00 -10:00 AM	10:00 – 11:00 AM	11:00 – 12:00 AM	12:00 – 01:00 PM	01:00 – 02:00 PM	02:00 – 03:00 PM	03:00 – 04:00 PM	04:00 – 05:00 PM
Monday	Electromagnetic Field Theory Ms Laxmi Deepika Kumari	Elect. & Electronic measurement Ms Mani Priyanka Ekka	Electronics Device & Circuit Ms. Neha Nupoor Mundu	LUNCH	Electromagnetic Field Theory LAB Ms Laxmi Deepika Kumari		Library Ms. Neha Nupoor Mundu	
Tuesday	Electromagnetic Field Theory Ms Laxmi Deepika Kumari	DLS Mr. Salahuddin Ansari	Elect. & Electronic measurement Ms Mani Priyanka Ekka		Electronics Device & Circuit LAB Ms. Neha Nupoor Mundu			
Wednesday	Math III Ms. Anjana Bara	Electrical Engg. Ms. Ruchi Kujur	Elect. & Electronic measurement Ms Mani Priyanka Ekka		DLS Mr. Salahuddin Ansari	Library Ms. Anshu Mala Kisposta		SCA
Thursday	Math III Ms. Anjana Bara	Electrical Engg. Ms. Ruchi Kujur	Electronics Device & Circuit Ms. Neha Nupoor Mundu		Elect. & Electronic measurement Lab Ms Mani Priyanka Ekka		SCA Ms. Anshu Mala Kisposta	
Friday	Electromagnetic Field Theory Ms Laxmi Deepika Kumari	DLS Mr. Salahuddin Ansari	Math III Ms. Anjana Bara		Electrical Engg Lab Ms. Ruchi Kujur		SCA Ms. Neha Nupoor Mundu	
Saturday	Math III Ms. Anjana Bara	DLS Mr. Salahuddin Ansari	Electronics Device & Circuit Ms. Neha Nupoor Mundu	Electrical Engg. Ms. Ruchi Kujur				

Subject Name	Subject Code	Subject Teacher
Math III	301	Ms. Anjana Bara
Electrical Engg	ECE303	Ms. Ruchi Kujur
Elect. & Electronic measurement	ECE305	Ms Mani Priyanka Ekka
Electromagnetic Field Theory	ECE306	Ms Laxmi Deepika Kumari
Electronics Device & Circuit	ECE303	Ms. Neha Nupoor Mundu
Development Life Skills 11	601	Mr. Salahuddin Ansari
SCA		Ms. Anshu Mala Kisposta/ Ms. Neha Nupoor Mundu

H.O.D.In-Charge

Principal

- **Time Table for ECE 1st Year**

XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY, BARGAWA RANCHI

ROUTINE OF 1st SEMESTER (2022-25), ECE, Room No :- S04

Day / Time	09:00 -10:00 AM	10:00 – 11:00 AM	11:00 – 12:00 AM	12:00 – 01:00 PM	01:00 – 02:00 PM	02:00 – 03:00 PM	03:00 – 04:00 PM	04:00 – 05:00 PM
Monday	Workshop Practices				L U N C H	Communication Skill Lab		LIB/SCA
Tuesday	Engineering Graphics Lab					Engineering Chemistry Lab		LIB/SCA
Wednesday	Engineering Physics	Engineering Math	Engineering Physics	Engineering Graphics		Engineering Math	Communication Skill	LIB/SCA
Thursday	Fundamental Of Computer	Engineering Physics Lab		Engineering Chemistry		Engineering Graphics	Engineering Chemistry	LIB/SCA
Friday	Communication Skill	Fundamental Of Computer	Engineering Chemistry	Engineering Math		Fundamental Of Computer Lab		LIB/SCA
Saturday	Engineering Physics	Engineering Math	Communication Skill	LIB/SCA	-			

Engineering Chemistry – Dr. Manas Rajhans Choubey

Communication Skill - Ms. Dipti A. Ekka

Engineering Physics – Mrs. Rashmi Kiran Kujur

Engineering Mathematics –Fr. Valentine Sinduria/Ms. Anjana Bara

Fundamental of computer – Mr. Basudeo Mahato

Workshop – Mr. Lochan S. Khalkho

Engineering Graphics – Mr. P.N.Verma

Submitted on 15/12/2022

15/12/2022

Faculty In charge, First Year

P.N. Verma 19/12/2022

Principal, XIPT

- Time Table of EEE 1st year

XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY, BARGAWA RANCHI

ROUTINE OF 1st SEMESTER (2022-25),EEE Room No :-S03

Day / Time	09:00 -10:00 AM	10:00 – 11:00 AM	11:00 – 12:00 AM	12:00 – 01:00 PM	01:00 – 02:00 PM	02:00 – 03:00 PM	03:00 – 04:00 PM	04:00 – 05:00 PM
Monday	Engineering Graphics Lab				LUNCH	Engineering Chemistry Lab		LIB/SCA
Tuesday	Workshop Practices					Engineering Physics Lab		LIB/SCA
Wednesday	Communication Skill	Engineering Physics	Engineering Math	Engineering Chemistry		Fundamental Of Computer Lab		LIB/SCA
Thursday	Engineering Math	Engineering Chemistry	Communication Skill	Engineering Physics		Engineering Math	Fundamental Of Computer	LIB/SCA
Friday	Engineering Math	Engineering Physics	Communication Skill	Engineering Chemistry		Engineering Graphics	Engineering Graphics	LIB/SCA
Saturday	Communication Skill Lab		Fundamental Of Computer	LIB/SCA	-			

Engineering Chemistry – Dr. Manas Rajhans Choubey

Communication Skill - Ms. Dipti Ekka

Engineering Physics – Mrs. Rashmi Kiran Kujur

Engineering Mathematics –Fr. Valentine Sinduria/Ms. Anjana Bara

Fundamental of computer – Mr. Basudeo Mahato

Workshop (ME) – Mr. Lochan S. Khalkho

Engineering Graphics – Mr. Alok Kumar

Submitted on 19/12/2022

19/12/2022

Faculty Incharge, First Year

P.N. V 19/12/2022

Principal, XIPT

- Time Table For ME 1st Year

XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY, BARGAWA RANCHI

ROUTINE OF 1ST SEMESTER (2022-25), ME Room No : S02

Day / Time	09:00 -10:00 AM	10:00 – 11:00 AM	11:00 – 12:00 AM	12:00 – 01:00 PM	01:00 – 02:00 PM	02:00 – 03:00 PM	03:00 – 04:00 PM	04:00 – 05:00 PM
Monday	Fundamental Of Computer	Engineering Math	Communication Skill	Engineering Physics	LUNCH	Engineering Physics Lab		LIB/SCA
Tuesday	Engineering Math	Communication Skill	Engineering Physics	Engineering Math		Fundamental Of Computer Lab		LIB/SCA
Wednesday	Engineering Math	Engineering Chemistry	Fundamental Of Computer	Engineering Physics		Engineering Chemistry Lab		Engineering Chemistry
Thursday	Engineering Graphics Lab					Communication Skill Lab		LIB/SCA
Friday	Workshop Practices					Communication Skill	Engineering Chemistry	LIB/SCA
Saturday	Engineering Graphics	Engineering Graphics	LIB/SCA	LIB/SCA	-			

Engineering Chemistry – Dr. Manas Rajhans Choubey

Communication Skill - Ms. Dipti Ekka

Engineering Physics – Mrs. Rashmi Kiran Kujur

Engineering Mathematics –Fr. Valentine Sinduria/Ms. Anjana Bara

Fundamental of computer – Mr. Basudeo Mahato

Workshop (ME) – Mr. Lochan S. Khalkho

Engineering Graphics – Mr. Raj Kumar/Mr. Alok Kumar

Submitted on 19/12/2022

19/12/2022

Faculty In charge, First Year

19/12/2022

Principal, XIPT

16. Enrollment of students in the last 3 years

Batch 2020-23	Batch 2021-24	Batch 2022-25
139	120	101

17. List of Research Projects/Consultancy Works

1. Number of Projects carried out, funding agency, Grant received
2. Publications (if any) out of research in last three years out of master's projects–***N. A***
3. Industry Linkage–***Available***
4. 5 MoU's with Industries–***Available***

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 2022-23

Extension of Approval (EoA)

F.No. Eastern/1-10975047294/2022/EOA

Date: 03-Jul-2022

To,

The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of Approval for the Academic Year 2022-23

Ref: Application of the Institution for Extension of Approval for the Academic Year 2022-23

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-463717181	**Application Id**	1-10975047294
Name of the Institution	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	**Name of the Society/Trust**	XAVIER INSTITUTE OF SOCIAL SERVICE
Institution Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010	**Society/Trust Address**	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010
Institution Type	Private-Self Financing	**Region**	Eastern
Year of Establishment	2010		

To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
DIPLOMA	ENGINEERING AND TECHNOLOGY	ELECTRICAL AND ELECTRONICS ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	120	108	NA	NA
DIPLOMA	ENGINEERING AND TECHNOLOGY	ELECTRONICS & COMMUNICATION ENGG	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	60	54	NA	NA
DIPLOMA	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI	120	108	NA	NA

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status

It is mandatory to comply with all the essential requirements as given in APH 2022-23 (Appendix 6)

The Institution/ University is having the following deficiencies as per the online application submitted to AICTE and the same shall be complied within Six Months from the date of issue of this EoA

Deficiencies Noted based on Self Disclosure	
Particulars	**Deficiency**
1. Faculty Deficiency	Yes

*Please refer Deficiency Report for details

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC (NCL)/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.

2. 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 2022-23 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE beginning with the Academic Year 2022-23

3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as Approval Process Handbook and provisions made in AICTE Regulation notified from time to time.

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.

Pharmacy Institute: In compliance with the order dated 05.03.2020 passed by the Hon'ble Supreme Court of India in Transferred Petitions (CIVIL) No 87-101 of 2014, for the existing institutions offering courses in Pharmacy Programme, approval of Pharmacy Council of India (PCI) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per the respective regulatory body (PCI).
In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by PCI, the approval of PCI shall prevail.

Architecture Institute: In compliance with the order dated 08.11.2019 passed by the Hon'ble Supreme Court of Indian CA No.364/ 2005, for the existing Institutions offering Courses in Architecture Programme, approval by the Council of Architecture (CoA) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per respective regulatory body (CoA). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by CoA, the approval of CoA shall prevail.

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.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, Jharkhand**

2. **The Principal / Director,**
XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
Vill - Bargawan, Po - Namkum,
Ranchi,Ranchi,
Jharkhand,834010

3. **The Secretary / Chairman,**
VILLAGE - BARGAWAN
PO- NAMKOM
CITY - RANCHI,RANCHI
Jharkhand,834010

4. **The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal

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, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: [illegible]

APPROVAL PROCESS 2020-21

Extension of Approval (EoA)

F.No. Eastern/1-7004781665/2020/EOA

Date: 30-Apr-2020

To,

The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of Approval for the Academic Year 2020-21

Ref: Application of the Institution for Extension of Approval for the Academic Year 2020-21

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2020 notified by the Council vide notification number F.No. AB/AICTE/REG/2020 dated 4th February 2020 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-463717181	**Application Id**	1-7004781665
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	**Name of the Society/Trust**	XAVIER INSTITUTE OF SOCIAL SERVICE
Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010	**Society/Trust Address**	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010
Institute Type	Private-Self Financing	**Region**	Eastern

To conduct following Courses with the Intake indicated below for the Academic Year 2020-21

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2019-20	Intake Approved for 2020-21	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	State Board of Technical Education, Jharkhand	120	120	NA	No
ENGINEERING AND TECHNOLOGY	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	State Board of Technical Education, Jharkhand	60	60	NA	No
ENGINEERING AND TECHNOLOGY	DIPLOMA	MECHANICAL ENGINEERING	State Board of Technical Education, Jharkhand	120	120	NA	No

It is mandatory to comply with all the essential requirements as given in APH 2020-21 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2020-21 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years beginning with the Academic Year 2020-21

2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2020-21 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE.

3. 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.

4. Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 373/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to

1. **The Director Of Technical Education**, Jharkhand**

2. **The Principal / Director,**
XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
Vill - Bargawan, Po - Namkum,
Ranchi,Ranchi,
Jharkhand,834010

3. **The Secretary / Chairman,**
VILLAGE - BARGAWAN
PO- NAMKOM
CITY - RANCHI,RANCHI
Jharkhand,834010

4. **The Regional Officer,**
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal

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, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2019-20

Extension of Approval (EoA)

F.No. Eastern/1-4289247509/2019/EOA

Date: 25-Apr-2019

To,

The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of Approval for the Academic Year 2019-20

Ref: Application of the Institution for Extension of approval for the Academic Year 2019-20

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2018 notified by the Council vide notification number F.No.AB/AICTE/REG/2018 dated 31/12/2018 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-463717181	**Application Id**	1-4289247509
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	**Name of the Society/Trust**	XAVIER INSTITUTE OF SOCIAL SERVICE
Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010	**Society/Trust Address**	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010
Institute Type	Unaided - Private	**Region**	Eastern

Opted for Change from Women to Co-Ed and vice versa	No	**Change from Women to Co-Ed and vice versa Approved or Not**	NA
Opted for Change of Name	No	**Change of Name Approved or Not**	NA
Opted for Change of Site/Location	No	**Change of Site/Location Approved or Not**	NA
Opted for Conversion from Degree to Diploma or vice versa	No	**Conversion for Degree to Diploma or vice versa Approved or Not**	NA
Opted for Organization Name Change	No	**Change of Organization Name Approved or Not**	NA
Opted for Merger of Institution	No	**Merger of Institution Approved or Not**	NA
Opted for Introduction of New Program/Level	No	**Introduction of Program/Level Approved or Not**	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2019-20

Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2019-20	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	1st	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FT	State Board of Technical Education, Jharkhand	120	NA	NA
ENGINEERING AND TECHNOLOGY	1st	DIPLOMA	ELECTRONICS & COMMUNICATIO	FT	State Board of Technical Education, Jharkhand	60	NA	NA

			N ENGG						
ENGINEERING AND TECHNOLOGY	1st	DIPLOMA	MECHANICAL ENGINEERING	FT	State Board of Technical Education, Jharkhand	120	NA	NA	

*FT –Full Time,PT-Part Time

Deficiencies Noted based on Self Disclosure

Particulars	Deficiency
Other Facilities Deficiency	
Institution-Industry Cell	Yes
Digital Payment-Financial Transactions	Yes
Internal Quality Assurance Cell	Yes
Mandatory internship policy for students	Yes
Examination Reforms	Yes
Atleast 5 MoUs with industries	Yes
Group accident policy for employees	Yes

*Please refer Deficiency Report for details

XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY is hereby informed to submit the compliance of the deficiencies mentioned above to the Regional Office within a period of **6 months** from the date of issuance of this letter failing which the council shall initiate strict action as defined in Approval Process Handbook 2019-20 during the subsequent Academic Year.

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.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

It is mandatory to comply all the essential requirements as given in APH 2019-20(appendix 6)

NOTE: If the State Government / UT / DTE / DME has a reservation policy for admission in Technical Education Institutes and the same is applicable to Private & Self-financing Technical Institutions, then the State Government / UT/ DTE / DME shall ensure that 10 % of Reservation for EWS would be operational from the Academic year 2019-20 without affecting the percentage reservations of SC/ST/OBC/General . However, this would not be applicable in the case of Minority Institutions referred to the clause (1) of Article 30 of Constitution of India.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, Jharkhand**

2. **The Registrar**,**
   State Board Of Technical Education, Jharkhand

3. **The Principal / Director,**
   Xavier Institute Of Polytechnic And Technology
   Vill - Bargawan, Po - Namkum,
   Ranchi,Ranchi,
   Jharkhand,834010

Application No:1-4289247509
Note: This is a Computer generated Report. No signature is required.
Printed By : aic002404

4. The Secretary / Chairman,
Xavier Institute Of Social Service
Village - Bargawan
Po- Namkom,
City - Ranchi,Ranchi,
Jharkhand,834010

5. The Regional Officer,
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal

6. 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, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2018-19

No Admission Report

F.No. Eastern/1-3508908141/2018/No Admission

Date: 10-Apr-2018

To,
The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Letter of No Admission for the Academic Year 2018-19

Ref: Application of the Institution for Extension of Approval for the Academic Year 2018-19

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and amended on December 5, 2017 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-463717181	**Application Id**	1-3508908141
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	**Name of the Society/Trust**	XAVIER INSTITUTE OF SOCIAL SERVICE
Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010	**Society/Trust Address**	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI RANCHI,Jharkhand,834010
Institute Type	Unaided - Private	**Region**	Eastern
Opted for change from Women to Co-Ed and Vice versa	No	**Opted for Change of Site**	No
Change from Women to Co-Ed and vice versa Approved or Not	NA	**Change of Site Approved or Not**	NA
New Name After change from Women to Co-Ed and Vice versa	NA	**New Site Address after change of Site Approved**	NA
Opted for Change of Name	No	**Opted for Conversion from Degree to Diploma**	No
Change of Name Approved or Not	NA	**Opted for Conversion from Diploma to Degree**	No
New Name After Institute Name Change Approved	NA	**Conversion (Degree to Diploma or vice-a- versa) Approved or Not**	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2018-19

Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2018-19	NRI Approval Status	PIO / FN / Gulf quota/ OCI/ Approval Status	Foreign Collaboration /Twining Program) Approval status*
ENGINEERING AND TECHNOLOGY	1st	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FT	State Board of Technical Education, Jharkhand	0	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FT	State Board of Technical Education, Jharkhand	0	NA	NA	NA
ENGINEERING AND	1st	DIPLOMA	MECHANICAL ENGINEERING	FT	State Board of Technical Education, Jharkhand	0	NA	NA	NA

Date of Signature(dd/mm/yyyy)

Seal of Institute

Name & Signature of Director/Principal

Page 1 of 2

TECHNOLOGY

A detailed Speaking order along with Reasons/Deficiencies noted by SHC/SAC is being issued separately in due course.

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. The Regional Officer,
   All India Council for Technical Education
   College of Leather Technology Campus
   Block LB, Sector III, Salt Lake City
   Kolkata - 700 098, West Bengal

2. The Director Of Technical Education**,
   Jharkhand

3. The Principal / Director,
   XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
   VILL - BARGAWAN, PO - NAMKUM,
   RANCHI,RANCHI,
   Jharkhand,834010

4. The Secretary / Chairman,
   XAVIER INSTITUTE OF SOCIAL SERVICE
   VILLAGE - BARGAWAN
   PO- NAMKOM,
   CITY - RANCHI,RANCHI,
   Jharkhand,834010

5. Guard File(AICTE)

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

Note: **Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.

Date of Signature(dd/mm/yyyy)

Seal of Institute

Name & Signature of Director/Principal

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela MargVasant Kunj, New Delhi-110067
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Eastern/1-3324456481/2017/EOA

Date: 10-Apr-2017

To,

The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of approval for the academic year 2017-18

Ref: Application of the Institution for Extension of approval for the academic year 2017-18

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-463717181	Application Id	1-3324456481
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010
Name of the Society/Trust	XAVIER INSTITUTE OF SOCIAL SERVICE	Society/Trust Address	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010
Institute Type	Unaided - Private	Region	Eastern

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable
Opted for Conversion from degree to diploma	No	Opted for Conversion from diploma to degree	No	Conversion (degree to diploma or vice-a-versa) Approved	Not Applicable

* To conduct following courses with the intake indicated below for the academic year 2017-18

Application Id: 1-3324456481			Course	Full/Part Time	Affiliating Body	Intake Approved for 2016-17	Intake Approved for 2017-18	NRI Approval status	PIO / FN / Gulf quota / OCI Approval status	Foreign Collaboration/Twinning Program Approval status*
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand	120	120	NA	NA	NA

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela MargVasant Kunj, New Delhi-110067

PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	State Board of Technical Education, Jharkhand	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand	120	120	NA	NA	NA

The above mentioned approval is subject to the condition that

XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY

shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

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.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Prof. A.P Mittal
Member Secretary, AICTE

Copy to:

1. The Regional Officer,
   All India Council for Technical Education
   College of Leather Technology Campus
   Block LB, Sector III, Salt Lake City
   Kolkata - 700 098, West Bengal
2. The Director Of Technical Education**,
   Jharkhand
3. The Registrar**,
   State Board of Technical Education, Jharkhand
4. The Principal / Director,
   XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
   VILL - BARGAWAN, PO - NAMKUM,
   RANCHI,RANCHI,
   Jharkhand,834010
5. The Secretary / Chairman,
   XAVIER INSTITUTE OF SOCIAL SERVICE
   VILLAGE - BARGAWAN

PO- NAMKOM,
CITY - RANCHI,RANCHI,
Jharkhand,834010

6. Guard File(AICTE)

Note: ** - Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Eastern/1-2811957168/2016/EOA

Date: 05-Apr-2016

To,

The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-2811957168
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	Permanent Id	1-463717181
Name of the Society/Trust	XAVIER INSTITUTE OF SOCIAL SERVICE	Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010
Institute Type	Unaided - Private	Society/Trust Address	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2811957168			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Twining Program Approval status*
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	120	120	NA	NA	NA

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	120	120	NA	NA	NA

The above mentioned approval is subject to the condition that XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

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.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   College of Leather Technology Campus
   Block LB, Sector III, Salt Lake City
   Kolkata - 700 098, West Bengal

2. **The Director Of Technical Education,**
   Jharkhand

3. **The Registrar,**
   State Board of Technical Education, Jharkhand, Ranchi

4. **The Principal / Director,**
   XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
   VILL - BARGAWAN, PO - NAMKUM,
   RANCHI,RANCHI,
   Jharkhand,834010

5. **The Secretary / Chairman,**
   XAVIER INSTITUTE OF SOCIAL SERVICE
   VILLAGE - BARGAWAN
   PO- NAMKOM,
   CITY - RANCHI,RANCHI,
   Jharkhand,834010

Application Number: 1-2811557168
Note: This is a Computer generated Report.No signature is required.
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All India Council for Technical Education
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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

6. Guard File(AICTE)

All India Council for Technical Education
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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Eastern/1-2451413387/2015/EOA

Date: 07-Apr-2015

To,
The Principal Secretary (Science & Tech. Deptl.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-2451413387
		Permanent Id	1-463717181
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010
Name of the Society/Trust	XAVIER INSTITUTE OF SOCIAL SERVICE	Society/Trust Address	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:8 September 2015

Printed By : aic002404

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

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Application Id: 1-2451413387

Program	Shift	Level	Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	120	120	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

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.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Dr. Avinash S Pant
Actg Chairman, AICTE

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   College of Leather Technology Campus
   Block LB, Sector III, Salt Lake City
   Kolkata - 700 098, West Bengal

2. **The Director Of Technical Education,**
   Jharkhand

3. **The Registrar,**
   State Board of Technical Education, Jharkhand, Ranchi

4. **The Principal / Director,**
   XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
   VILL - BARGAWAN, PO - NAMKUM,
   RANCHI,RANCHI,
   Jharkhand,834010

5. **The Secretary / Chairman,**
   XAVIER INSTITUTE OF SOCIAL SERVICE
   VILLAGE - BARGAWAN
   PO- NAMKOM,
   CITY - RANCHI,RANCHI,
   Jharkhand,834010

6. **Guard File(AICTE)**

Application Number: 1-2451413387*

Letter Printed On:8 September 2015

Note: This is a Computer generated Letter of Approval.No signature is required.

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Date: 11-Mar-2014

F.No. Eastern/1-2012951174/2014/EOA

To,
The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-2012951174
		Permanent Id	1-463717181
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010
Name of the Society/Trust	XAVIER INSTITUTE OF SOCIAL SERVICE	Society/Trust Address	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

Application Number: 1-2012951174*

Letter Printed On:4 April 2014

Note: This is a Computer generated Letter of Approval.No signature is required.

Printed By : AIC002404

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College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal

2. **The Director Of Technical Education,**
Jharkhand

3. **The Principal / Director,**
XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
VILL - BARGAWAN, PO - NAMKUM,
RANCHI,RANCHI,
Jharkhand,834010

4. **The Secretary / Chairman,**
XAVIER INSTITUTE OF SOCIAL SERVICE
VILLAGE - BARGAWAN
PO- NAMKOM,
CITY - RANCHI,RANCHI,
Jharkhand,834010

5. **Guard File(AICTE)**

This EOA report is for 14-15 applications with status as "EOA Recommended by Council".
Please print this report from the application which has status as "EOA Recommended by Council".

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:4 April 2014

Printed By : AIC002404

All India Council for Technical Education
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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Eastern/1-1421009162/2013/EOA

Date: 19-Mar-2013

To,
The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of approval for the academic year 2013-14

Ref: Application of the Institution for Extension of approval for the academic year 2013-14

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-1421009162
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	Permanent Id	1-463717181
Name of the Society/Trust	XAVIER INSTITUTE OF SOCIAL SERVICE	Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010
Institute Type	Unaided - Private	Society/Trust Address	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010

Opted for change from Women to Co-ed	No	Opted for change of Site	No	Opted for change of Site	No
Change from Women to Co-ed approved	Not Applicable	Change of Site Approved	Not Applicable	Change of Site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2013-14

Application Number: 1-1421009162*

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On:21 March 2013.

Printed By : AIC002404

All India Council for Technical Education
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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-1421000162 Course Status: Approved

Program	Shift	Level	Course	Full/Part Time	Affiliating Body	1st Year Intake	Approved Intake	NRI	PIO	Foreign Collaboration
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand, Ranchi	60	60	No	No	No

- Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the Institution along with the application submitted by the institution on portal.

In case of any differences in conten, 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.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)
Member Secretary, AICTE

Copy to:

1. The Regional Officer,
All India Council for Technical Education
College of Leather Technology Campus

Application Number: 1-1421000162*

Letter Printed On:21 March 2013.

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal

2. The Director Of Technical Education,
Jharkhand

3. The Registrar,
State Board of Technical Education, Jharkhand, Ranchi

4. The Principal / Director,
XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
VILL - BARGAWAN, PO - NAMKUM,
RANCHI,RANCHI,
Jharkhand,834010

5. The Secretary / Chairman,
XAVIER INSTITUTE OF SOCIAL SERVICE
VILLAGE - BARGAWAN
PO- NAMKOM,
CITY - RANCHI,RANCHI,
Jharkhand,834010

6. Guard File(AICTE)

Note: This is a Computer generate. Extension of Approval Letter, No signature is required. Letter Printed On:21 March 2013.

Printed By : AICO02404

ANNEXURE-5

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi - 110 001
PHONE: 23724151/62/63/64/65/66/67 FAX: 011-23724183 www.aicte-India.org

F.No. Eastern/1-760723882/2012/EOA

Date: 10 May 2012

To,
The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of approval for the academic year 2012-13

Ref: Application of the Institution for Extension of approval for the academic year 2012-13

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2010 notified by the Council vide notification number F-No.37-3/Legal/2010 dated 10/12/2010 and amendment vide notification number F-No.37-3/Legal/2011 dated 30/09/2011 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Eastern	Application Id	1-760723882
		Permanent Id	1-463717181
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	Institute Address	VILL - BARGAWAN, PO - NAMKUM, RANCHI, RANCHI, Jharkhand, 834010
Name of the Society/Trust	XAVIER INSTITUTE OF SOCIAL SERVICE	Society/Trust Address	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2012-13

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-760723882

Program	Shift	Level	Course	Full/Part Time	Affiliating Body	Intake 2011-12	Intake Approved for 2012-13	NRI	PIO	Foreign Collaboration
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	State Board of Technical Education, Jharkhand	60	60	No	No	No

The above mentioned approval is subject to the condition that XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the Institution on portal.

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.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. K P Isaac)
Member Secretary, AICTE

Copy to:

1. The Regional Officer,
   All India Council for Technical Education

Note: This is a Computer generated Extension of Approval Letter. No signature is required. Letter Printed On: 17 May, 2012.

Printed By : AIC002404

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal

2. The Director Of Technical Education,
Jharkhand

3. The Registrar,
State Board of Technical Education, Jharkhand

4. The Principal / Director,
XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
VILL - BARGAWAN, PO - NAMKUM,
RANCHI,RANCHI,
Jharkhand,834010

5. The Secretary / Chairman,
XAVIER INSTITUTE OF SOCIAL SERVICE
VILLAGE - BARGAWAN
PO- NAMKOM,
CITY - RANCHI,RANCHI,
Jharkhand,834010

6. Guard File(AICTE)

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On:17 May 2012.

Printed By : AIC002404

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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Eastern/1-463717181/2011/EOA

Date: 01-09-2011

To,
The Principal Secretary (Science & Tech. Deptt.)
Govt. of Jharkhand Nepal House,
Dhurwa, Ranchi-834002

Sub: Extension of approval for the academic year 2011-12.
Ref : Application of the Institution for Extension of Approval for the Year 2011-12

Sir/Madam,

In terms of the Regulations notified by the Council vide F.No. 37-3/Legal/2011 dated 10/12/2010 and norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the extension of approval of the Council to

Regional Office	Eastern	Application Id	1-463717181
		Permanent Id	
Name of the Institute	XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY	Institute Address	VILL - BARGAWAN, PO - NAMKUM,RANCHI,RANCHI,Jharkhand,834010
Name of the Society/Trust	XAVIER INSTITUTE OF SOCIAL SERVICE	Society/Trust Address	VILLAGE - BARGAWAN PO- NAMKOM,CITY - RANCHI,RANCHI,Jharkhand,834010
Institute Type	Unaided - Private		

to conduct following courses with the intake indicated below for the academic year 2011-12

Application Id: 1-463717181			Course	Full/Part Time	Affiliating Body	Intake 2010-11	Intake Approved for 11-12	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education, Jharkhand	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	State Board of Technical Education, Jharkhand	60	60	No	No	No

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Date of printing: 03-09-2011

All India Council for Technical Education
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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

The above mentioned approval is subject to the condition that XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

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.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Regging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. K P Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   College of Leather Technology Campus
   Block LB, Sector III, Salt Lake City
   Kolkata - 700 098, West Bengal

2. **The Director Of Technical Education,**
   Jharkhand

3. **The Registrar,**
   State Board of Technical Education, Jharkhand

4. **The Principal / Director,**
   XAVIER INSTITUTE OF POLYTECHNIC AND TECHNOLOGY
   VILL - BARGAWAN, PO - NAMKUM,
   RANCHI,RANCHI,
   Jharkhand,834010

5. **The Secretary / Chairman,**
   XAVIER INSTITUTE OF SOCIAL SERVICE
   VILLAGE - BARGAWAN
   PO- NAMKOM,
   CITY - RANCHI,RANCHI,
   Jharkhand,834010

6. **Guard File(AICTE)**

Application Number : 1-463717181

Date of printing: 03-09-2011

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधानिक संस्थान) (A Statutory Body of the Govt. of India)

EASTERN REGIONAL OFFICE, KOLKATA

Letter of Approval

File No. ERO/AICTE/JH/ET/002/2010-2011 / 5825

DATE -10-08-2010

To
The Principal Secretary,
Deptt. of Science & Technology,
Govt. of Jharkhand,
Nepal House Secretariat,
Doranda, Ranchi – 834 002

Sub: AICTE approval to Xavier Institute of Social Service, Post Box No. 7, Purulia Road, Ranchi 834 001, Jharkhand for establishment of Xavier Institute of Polytechnic and Technology, VIII. Barganwan, PO+PS: Namkom, Ranchi 834 001, Jharkhand.

Sir,

Based on the recommendations of State Level Committee vide letter no. VI. Pra. Ni. Sha – 18-31/10-1718, dated – 09.08.2010 by the Director of Science & Technology, Govt. of Jharkhand, the All India Council for Technical Education (AICTE) is according approval to Xavier Institute of Social Service, Post Box No. 7, Purulia Road, Ranchi 834 001, Jharkhand for establishment of Xavier Institute of Polytechnic and Technology, VIII. Barganwan, PO+PS: Namkom, Ranchi 834 001, Jharkhand for conduct of Diploma programme in Engineering & Technology with annual intake for each course(s) as given below:

Approved programme(s)	Approved Intake	Level	Duration (Yrs.)	Entry level	Period of approval
Mechanical Engineering	60	Diploma	3 Yrs.	10+	2010-2011*
Electrical & Electronics Engineering	60	Diploma	3 Yrs.	10+	2010-2011*
Electronics & Communication Engineering	60	Diploma	3 Yrs.	10+	2010-2011*
Total	180				

The approval is valid for two years from the date of issue of this letter. The Society/Trust/Institution shall obtain necessary affiliation/ permission from the concerned affiliating University/State Board/State Council as per the prescribed schedule of the University/ Admission Authority etc. The Applicant Society/Trust/Institution shall send information about commencement of the above courses to AICTE. Incase the Institution could not commence the above mentioned courses for whatsoever reasons during the two years period from the date of issue of this letter, the approval becomes invalid and the applicant society/trust shall have to make fresh application to AICTE for grant of fresh approval.

The approval is further subject to fulfillment of following conditions.

1. That the management shall provide adequate funds for development of land and building and for providing related infrastructural, Instructional and other facilities as per Council's norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

2. (a) That the admissions shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.

(b) That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

ब्लाक – एल.सी., सेक्टर-III, राजकीय अभि. प्रौ. की एवं चर्म प्रोद्यौगिकी महाविद्यालय प्रांगण, साल्ट लेक सिटि, कोलकाता-700098
Block, Sector-III, Govt. College of Engg. & Leather Tech. Campus, Salt Lake City, Kolkata-700098
Phone : 033 2335 7459 / 2335 7460 Fax : 033 2335 9546, ई-मेल/e-mail : ero_aicte@yahoo.co.in, वेबसाइट/Website : www.aicte.emet.in

Head Off. :
AICTE, 7th Floor, Chandralok
Janpath, New Delhi - 110001
मुख्यालय :
7वां तल, चन्द्रलोक भवन
जनपथ, नई दिल्ली – 1

(c) That the admissions to the courses shall be made only after the affiliating University/ State Board/State Council under whose ambit the Institution is functioning has given permission to start the course.

(d) That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course (s) or alter intake capacity of seats without the prior approval of the Council.

(e) That no excess admissions shall be made by the Institution over and above the approved intake under any circumstances.

(f) That the Institutions shall not have any collaborative arrangements with any Indian and/or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE.

(g) That the Institution shall not allow conduct of any unapproved course whether technical or non technical in the premises of AICTE approved Institution/campus and /or in the name of the Institution without prior permission from AICTE.

3. That the Institution shall operate only from the approved location, and that the Institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

4. That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed the Council from time to time. No capitation fee shall be charged from the students/guardians of students in any form.

5. That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or person authorized by it.

6. That the Director/Principal and the teaching and other staff shall be selected according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are paid as per the norms prescribed by the Council for time to time.

7. (a) That the Institution shall furnish requisite returns and reports as desired by AICTE/S.I.C. in order to ensure proper maintenance of administrative and academic standards.

(b) That the technical Institution shall publish an information booklet before commencement of the academic year giving details regarding the Institution and courses/programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The Information booklet may be made available to the stakeholders of the technical education on cost basis. The mandatory disclosure information shall be housed in the Institution Web-Site. The Information shall be revised every year with updated information about all aspects of the Institution.

(c) That it shall be mandatory for the technical Institution to maintain a web-site providing the prescribed information. The website information must be continuously updated as and when changes take place.

(d) That a compliance report in the prescribed format along with mandatory disclosure on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time.

(e) That if Technical Institution falls to disclose the information or suppress and/or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

8. That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliating University /University under whose ambit the Institution is functioning, and shall be in operational condition before making admissions.

9. That a library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc as per AICTE norms.

10. That a computer center with adequate number of terminals, Printers, legal software etc. shall be established as per AICTE norms.

11. That a Joint FDR with DTE is required to be created for an amount and period prescribed by the Council from time to time.

12. AICTE may carry out random inspections round the year any time for verifying the status of the institutions to ensure maintenance of norms and standards.

13. That the AICTE / DTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

14. That the institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.

15. The Institute shall take appropriate measures for prevention of ragging in any form, in the light of directions of Supreme Court of India in Writ Petition No. © 656/1998. Incase of failure to prevent the instances of ragging by the institutions, the Council shall take appropriate action including withdrawal of approval.

16. That the Management shall strictly follow further conditions as may be specified by the AICTE/DTE from time to time.

17. In the event of non-compliance by the institution with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and that all liabilities arising out of such withdrawal would solely be that of the institution.

Deficiencies/Suggestions/Improvements are as follows:

1. Physics, Chemistry Lab. & Workshop should be modified.
2. Faculty should be appointed before taking admission of the student.
3. Computer Lab. Should be equipped.

Thanking you,

Yours faithfully,-

16/8/10

(Narender Singh)
Regional Officer

Copy to:

1. The Director (Technical Education), Department of Science & Technology, Govt. of Jharkhand, Nepal House Secretariat, Doranda, Ranchi - 834 002
(With a request to ensure the compliance of norms & standards of AICTE for the approved intake).

2. The Chairman / President, Xavier Institute of Social Service, Post Box No. 7, Purulia Road, Ranchi 834 001, Jharkhand
(A request to fulfill the deficiencies as annexed (if any) to this letter and submit the Compliance Report by 31st August every year to the Director of Technical Education of concerned State Govt./UT and a copy this Regional Office).

3. The Secretary, State Board of Technical Education, Govt. Polytechnic, Ranchi Campus, Church Road, Ranchi - 834 001, Jharkhand

4. Guard File.