

# **MANDATORY DISCLOSURE**

## **IDEAL SCHOOL OF ENGINEERING**

Near Retang Railway Station, Retang, Bhubaneswar-752054

Approved by **AICTE**, New-Delhi & Affiliated to **SCTE&VT**, Odisha

### 1) **INSTITUTIONDETAILS**

## **IDEAL SCHOOL OF ENGINEERING**

NearRetangRailwayStation

At-Jhinkharada,P.O-Retang,Bhubaneswar

Dist-Khordha,PinCode-752054 Telephone

No. : 9040010603, 7205011603

EmailID:engineering.ideal@gmail.comWebsi

te:www.idealschool.edu.in

### 2) **TRUST**

## **S.B.P. Trust**

38,JagmohanNagar,Bhubaneswar

CorporateOffice:

Archid

House,Khandagiri,Bhuba

neswar

Dist-Khordha, Pin code - 751030

Mobile:9337355101,9337744603

### 3) **TRUSTEEMEMBERS**

→Er.(Mrs.) Bishnupriya Sundaray

→Mr. Ranjan Sundaray

→Mrs. Sagarika Sundaray

### 4) **PRINCIPALDETAILS**

**Prof. Samir Kumar Mohanty**

Mob.6372486057

E-mailID:principal.ideal@gmail.com

## 5) **AFFILIATING UNIVERSITY**

State Council for Technical Education & Vocational Training, Odisha  
(SCTE & VT, Odisha)

## 6) **APPROVING BODY**

All India Council for Technical Education, New Delhi (AICTE, New-Delhi)

## 7) **MEMBERS OF GOVERNING BODY & ACADEMIC ADVISORY BOARD.**

<u><b>NAME</b></u>	<u><b>PROFILE</b></u>
• Mr. Ranjan Kumar Sundaray	Graduate, Social Worker & Secretary, SBP Trust.
• Mr. Amiya Ranjan Badajena	MBA, Social Worker, Chairman OCWET.
• Mr. Rashmi Ranjan Samantaray	B.Sc, LLB, Asst. Auditor Office of A.G.
• Mrs. Sagarika Sundaray	Post Graduate, Social Worker & Trustee, SBP Trust.
• Mr. Nihar Ranjan Mohapatra	OAS-1, Commissioner, State Transport Authority, Odisha.
• Dr. Rabindra Kumar Mohapatra	MBBS, MD. Asst. Professor in Pediatric Dept. SCB, Cuttack.
• Prof. Samir Kumar Mohanty	Principal, Ideal School of Engineering.
• Er. Satish Ranjan Dhar	HOD, Dept. of Elect. Engg., & Academic Head, ISE, BBSR
• Er. Sangram Keshari Padhi	HOD - Mech. Engg. Dept, ISE, BBSR
• Regional Officer, AICTE	
• Nominee of D.T.E. & T, Govt. of Odisha.	
• Nominee of Govt. of Odisha	

Board meeting holds once in every **Three Months** interval and Academic Advisory Body meeting holds once in every **Two Months**.

## 8) **OTHER FACILITIES AND INITIATIVES OF COLLEGE:**

- ✓ **To enhance the involvement of faculty & students in improvements of academic affairs, Teacher-Student Interaction Cell is active. This cell meets frequently with short notice. Proctorial System has been implemented.**
- ✓ **Student Feedback System has been implemented. Feedback is collected in an interval of two months to appraise institutional governance and faculty performance.**
- ✓ **Grievance Redressal Mechanism for Faculty, Staffs and Students has been implemented.**

- ✓ Different committees have been constituted and mechanisms have been implemented as per the APH 2021-22 of AICTE, New Delhi.

## 9) ANTI-RAGGING CELL

**Anti-Ragging Committee has been constituted** (as per AICTE notified regulation for prevention and Prohibition of Ragging vide No. 37-3/Legal/AICTE/2009 dated 01.07.2009) **and is functioning.**

**Members are as below:**

Sl. NO	Name of Committee Member	Designation	Contact No.	E-mail ID
1	Prof. Samir Kumar Mohanty	PRINCIPAL	6372486057	principal.idealse@gmail.com
2	Er. Utkal Keshari Rout	HOD, Elect. Engg.	7978541707	utkalkeshari.nb@gmail.com
3	Er. (Miss) Meera Behera	Lect., Civil Engg.	8763391911	meera070784@gmail.com
4	Er. Utkal Keshari Rout	Lecturer, Elect. Engg.	8908122970	utkalkeshari.nb@gmail.com
5	Er. (Mrs) Supriya Sahoo	Lecturer, Civil Engg.	9658653667	supriyasahoocivil@gmail.com
6	Mrs. Sandhyarani Satrusalya	Office Executive	9778576337	satrusalya.sandhyarai@gmail.com
7	Mr. Pravakar Sahoo	Accountant	9778610370	pravakars02@gmail.com
8	Er. Sangram Keshari Padhi	HOD, Mech. Engg. Dept.	7978105650	kesharisangram37@gmail.com
9	Mr. Sudarshan Pradhan	Computer Operator	9556523453	sudarshanp02@gmail.com
10	Er. (Mrs.) Gitanjali Mohanty	Lecturer, Mech. Engg.	7008502890	seema070784@gmail.com
11	Mrs. Jasaswini Mohapatra	NGO Activist	9437160173	mohapatrajasaswini@gmail.com
13	Mr. Dharanidhar Nanda	W & CD, Govt. of Odisha	7008713093	dharanidnanda@gmail.com
12	Ms. Gayatri Samantaray	Deputy Collector, Khordha, Odisha	7008237739	gsamantaray1@gmail.com
13	Mr. Balaram Lenka	News Reporter, OTV	9853627815	balaram.lenka@gmail.com
14	Mr. Bibhu Patra	Student-3 <sup>rd</sup> Yr.	9861874948	Patrabibhu948@gmail.com
15	Mr. Dillip Kumar Sahoo	Guardian	8249701670	Sahoo.dilipk@gmail.com
16	Miss. Nibedita Jena	Student-2 <sup>nd</sup> Yr.	8260429645	Jena.nibedita645@gmail.com
17	Mr. Omkar Mishra	Student-2 <sup>nd</sup> Yr.	7846850307	mishraomkar07@gmail.com
18	Mr. Dasaratha Behera	Guardian	9668462806	Behera.dasarathi06@gmail.com

## 10) ONLINE GRIEVANCE REDRESSAL CELL

- ✓ Online Grievance Redressal Mechanism has been implemented. Grievances can be submitted online to the [URL:www.idealschool.edugrievance.com](http://www.idealschool.edugrievance.com)
- ✓ Grievance Redressal Committee is functioning for resolving the grievances. It has been constituted (As per AICTE Establishment of Mechanism for Grievance Redressal) Regulation, 2012, F.No.37-3/Lega 112012, dated 25.05.2012) with the following members.

Sl.NO.	Name of Committee Member	Designation	Contact No.
1	Dr. Lakshman Das	Retd. Prof. SCB Medical College	9437206174
2	Dr. Sabyasachi Ratha	Retd. Prof. OUAT	9938707818
3	Dr. Ramesh Chandra Mishra	Retd. Prof. OUAT	9437883652
4	Prof. Samir Kumar Mohanty	Principal	6372486057
5	Er. Supriya Sahoo	Sr. Lect, Civil Engg. Dept.	8763391911
6	Er. Geetanjali Mohanty	Sr. Lect., Mech. Engg. Dept.	7978105650
7	Er. Marshal Marandi	Lecturer, Mech. Engg. Dept.	9937942854

## 11) INTERNAL COMPLAINT COMMITTEE

**Internal Complaint Committee (ICC) has been constituted** (As per Section 4 AICTE (Gender Sensitization, Prevention and Prohibition of Sexual harassment of Women Employees and students & Redressal of Grievances in technical Institutions) Regulation 2016) **and is functioning.**

The Members of the Committee are as mentioned:

Sl. NO.	Name of Committee Member	Designation
1	Miss Nibedita Giri	Presiding Officer/ Chairperson
2	Er. Meera Behera	Member
3	Mr. Utkal Keshari Rout	Member
4	Mrs. Sandhyarani Satrusalya	Member
5	Miss Jinarani Das	Member
6	Bhagirathi Behera	Member
7	Puspanjali Behera	Member
8	Ruchi Majhi	Member
9	Mrs. Jaswasinee Mohapatra	Member

## 12) SC&ST CELL

**Committee for SC/ST has been constituted** (As per the Scheduled Castes & Scheduled Tribes (Prevention of Atrocities) Act, 1989, No. 33 of 1989, dated 11.09.1989) **and is functioning**

Sl. NO.	Name of Committee Member	Designation
1	Mrs. Sandhyarani Satrusalya	Office Executive
2	Er. Krushna P. Samantara	Lecturer in Elect. Engg.
3	Miss. Meera Behera	Lecturer - Civil Engg.
4	Mr. Laxmidhar Mallick	MTS
5	Mr. Sudarshan Mallick	MTS
6	Mr. Marshal Marandi	Lecturer - Mech. Engg.
7	Mandakini Behera	Student

## 13) INTERNAL QUALITY ASSURANCE CELL

**Internal Quality Assurance Cell has been constituted and is functioning**

Sl. NO.	Name of Committee Member	Designation
1	Prof. Samir Kumar Mohanty	Principal
2	Er. Nirmala Nanda Dhal	HOD, ETC. Engg.
3	Er. Satish Ranjan Dhar	HOD, Elect. Engg.
4	Er. Sangram Keshari Padhi	HOD, Mech. Engg.

## 14) STUDENT COUNSELLOR DETAILS

**The members are:**

Sl. NO.	Name of Member	Designation
1	Er. Krushna P. Samantara	Lecturer - Elect. Engg.
2	Mrs. Gitanjali Mohanty	Sr. Lecturer - Mech. Engg. Dept.

## 15) INSTITUTION-INDUSTRY CELL

**The members are:**

Sl. NO.	Name of Member	Designation
1	Er. Satish Ranjan Dhar	HOD, Elect. Engg.
2	Er. Sangram Keshari Padhi	HOD, Mech. Engg.
3	Mr. Pradipta Kumar Pradhan	HR

## 16) PROGRAMMES OFFERED

Our institute provides Diploma in Engineering program in four different courses, namely;

Sl. No.	Branch	Intake Capacity
1	Civil Engineering	60
2	Electrical Engineering	120
3	Electronics & Telecommunication Engineering	30
4	Mechanical Engineering	60
5	Computer Science & Engineering	30

✓ **All these courses with above intake capacities have been approved by AICTE, New Delhi.**

✓ Duration of the programme is: **3 Years** (Regular Mode) & **2 Years** (Lateral-Entry Mode).

## 17) NBA ACCREDITATION STATUS

Applied for Accreditation	<b>NA</b>
Applied but Visit not Happened	--
Visit happened but result awaited	--
List of Programmes/courses not applied	<ul style="list-style-type: none"><li>• Civil Engg.</li><li>• Electrical Engg.</li><li>• Electronics &amp; Telecomm. Engg.</li><li>• Mechanical Engg.</li><li>• Computer Science &amp; Engineering</li></ul>
List of programmes/courses may be shown	--
Name/List of Programmes/Courses Accredited	--

## 18) NAAC ACCREDITATION STATUS

Accredited	<b>NA</b>
Applied for Accreditation	<b>NA</b>
Applied but Visit not Happened	--
Visit happened but result awaited	--
Not Applied	<b>YES</b>

## 19) COURSE FEE

- ✓ Course Fee approved by State Fee Committee, for the Institution: **Rs.29000/-per year.**
- ✓ This fee is to be paid at the time of Admission/ Readmission in each year.
- ✓ Seats under **Tuition Fee Waiver (TFW)** scheme for admission into the above courses are supernumerary in nature. Each year 5% of total intake is allowed to get admission into different first year diploma courses in our institute. State candidates having family **Annual Income less than 8 lakhs**, are eligible for admission under **TFW category**.
- ✓ Estimated Cost of Boarding & Fooding in Hostels is approximately **Rs.2500/-per month**. However, it can vary for Reserved Category Students.
- ✓ Provision for **10%** supernumerary seats for **Economically Weaker section (EWS)** quota for admission in Technical Institutions for the current Academic Session.

## 20) ADMISSION PROCEDURE

Directorate of Technical Education & Training (DTE&T), Odisha will release the application form for diploma admission. The notification will be released for admission to Diploma Engineering / Diploma Engineering (Lateral Entry). Candidates desirous of admission to Diploma course will have to **APPLY THROUGH ONLINE MODE ONLY**.

Admissions to 1<sup>st</sup>-semester Diploma Engineering and 3<sup>rd</sup>-semester Diploma Engineering (Lateral Entry) will be made according to the merit rank drawn on the basis of the marks obtained by a candidate in the qualifying examination through web-based e-counseling.

### ELIGIBILITY CRITERIA

#### 2.1<sup>st</sup> semester Diploma Courses

- Pass in HSC Examination conducted by BSE, Odisha / 10<sup>th</sup> standard examination declared equivalent by BSE, Odisha and obtained at least 35 % marks in aggregate, securing 30% marks in each subject at the qualifying examination with English, Math & Science subjects.
- Lower age 14 years and Upper age – No bar

#### 2. Third semester diploma courses (Lateral admission for eligible branches only)

- Pass in +2 Science Examination from CHSE, Odisha or its equivalent examination with PCM / +2 Vocational (2 years course) in any Engineering Trades / 2 years ITI in Engineering Trade/COE Trade with pass in HSC examination conducted by BSE, Odisha/ 10<sup>th</sup> standard examination declared equivalent by BSE, Odisha securing 30% marks in each subject at the qualifying examination.
- Lower age 14 years and Upper age – No bar

### APPLICATION FORM

For admission to various Diploma Courses, the candidate has to apply through online mode only and make payment of application fee (Non-Refundable). The online

Application Form for all Diploma Courses is available on the website ([dtet.odisha.gov.in](http://dtet.odisha.gov.in)), which must be filled up correctly and should be submitted ONLINE on or before due date & time.

## **ADMISSION**

### **ODISHA STATE CANDIDATES (S-DOMICILE)**

- ✓ For admission to Engineering Schools/ Polytechnics under State Domicile, a candidate has to satisfy at least one of the following criteria.
- ✓ The Candidate must have passed H.S.C/10th examination declared equivalent by BSE, Odisha from any of the recognized institutions in the State.
- ✓ Parents of the candidate must be permanent residents of Odisha. To claim benefit under this class, the candidate shall furnish a permanent resident certificate from a Revenue Officer not below the Rank of Addl. Tahasildar of the area where his/her parents have the permanent residence.
- ✓ Sons/ daughters/ spouse of the permanent employees of the Government of Odisha/Government of India/Government of Odisha undertakings/Government of India undertakings serving in the State of Odisha at the time of application are also included under the category. To claim this benefit under this S-Domicile, the candidate has to submit a certificate from the Employer of his/her parents/spouse in the prescribed form.
- ✓ The reservation facility will be made available to the children/wards of All India Civil Service Officers serving in the State at par with the natives of Odisha except the reservations being extended to ST, SC and SEBC categories so far as admission to Professional/Technical Institutions in the State is concerned.
- ✓ Parents of the candidate must be permanent residents of Odisha. To claim benefit under this class, the candidate shall furnish a permanent resident certificate from a Revenue Officer not below the Rank of Addl. Tahasildar of the area where his/her parents have the permanent residence.
- ✓ Sons/ daughters/ spouse of the permanent employees of the Government of Odisha/Government of India/Government of Odisha undertakings/Government of India undertakings serving in the State of Odisha at the time of application are also included under the category. To claim this benefit under this S-Domicile, the candidate has to submit a certificate from the Employer of his/her parents/spouse in the prescribed form.
- ✓ The reservation facility will be made available to the children/wards of All India Civil Service Officers serving in the State at par with the natives of Odisha except the reservations being extended to ST, SC and SEBC categories so far as admission to Professional/Technical Institutions in the State is concerned.

### **OUTSIDE STATE CANDIDATES (Z-DOMICILE)**

- ✓ Any candidate who does not satisfy any of the criteria for the 'S' Domicile will be treated as outside State Candidate (Z). 15% seats are reserved for 'Z' candidates in 1<sup>st</sup> Semester of Private Polytechnics/Engineering Schools only.
- ✓ 'Z' domicile candidates are also eligible to take admission under Lateral entry provided they have prosecuted their study for the qualifying examination in an institute having approval from the competent authority after exhaustion of state merit list.
- ✓ 'Z' candidates have to submit Residential Certificate from the competent authority of their State.

## **RESULT**

Odisha Polytechnic / Diploma Admission will be announced by the Directorate of Technical Education and Training on the official website i.e. [dheodisha.gov.in](http://dheodisha.gov.in). Separate merit list for all applicants will be drawn on the basis of marks secured by a candidate in the qualifying examination. The admission will be purely on the basis of the merit.

## **COUNSELING**

*After the publication of merit list candidates will be called for counseling on scheduled date and time. Original documents to be brought on the day of reporting at the Nodal Centre for Counselling (NCC). Applicants shall have to report personally with the downloaded application form and registrations slip exactly at the time, date and venue as per the counseling program to be notified. He/She is also required to produce the following original documents as applicable at the time of reporting at the NCC.*

### **ORIGINAL DOCUMENTS TO BE BROUGHT ON THE DAY OF REPORTING AT THE NODAL CENTER FOR COUNSELLING (NCC):**

- Pass certificate of High School Certificate (HSC) examination awarded by BSE, Odisha / 10<sup>th</sup> standard examination certificate declared equivalent by BSE, Odisha in support of qualifying examination.
- Mark sheet of HSC examination awarded by BSE, Odisha / 10<sup>th</sup> standard examination declared equivalent by BSE, Odisha securing minimum marks as per the eligibility criteria.
- Caste Certificate (SC/ST) from a competent authority issued in the pro form main Form-I/ the prescribed format of the competent authority.
- Sports Certificate issued/ countersigned by the Director of Sports & Youth Services, Odisha or by the competent authority as declared by the Govt. from time to time (in case of candidates claiming reservation under Sports).
- NCC certificate (A, B or C) from appropriate authority (in case of candidates claiming reservation under NCC)
- Green Card of parent issued by concerned CDMO (in case of candidates claiming seats under Green Card category).
- Certificate in Form-II from the competent authority for reservation under Ex-Servicemen Quota.
- Z-Domicile candidates have to produce the following certificates: a) Residential Certificate from the competent authority of their State. B) Mark sheet of HSC examination / 10<sup>th</sup> standard examination of the institute located in their State, declared equivalent by BSE, Odisha securing minimum marks as per the eligibility criteria.
- L candidates have to produce the following certificates: a) Residential Certificate from the Revenue Officer not below the Rank of Tahasildar that he/she belong to outlying Oriya speaking tracts in Form-III (Part-I). b) Mark sheet of M.E. or H.S.C examination in support of having Oriya as a subject at M.E. or H.S.C examination in Form-III (Part-II).
- Employers' certificate in Form-IV as applicable.
- Permanent Residence Certificate (in case of reservation category / Lateral Admission) in Form-V as applicable, failing which the claim for Reservation / Lateral Admissions shall not be considered.
- ITI Pass / +2 Science (PCM) / +2 Vocational pass certificate & mark sheet issued by SCTE & VT, Odisha / CHSE / 12<sup>th</sup> standard examination declared equivalent by CHSE, Odisha respectively.

- Annual Income Certificate as appended in Form-VIII / in the format from the competent authority in case of candidate claiming seats under TFW category not earlier than April 2016.
- Medical fitness certificate from Government Doctor not below the rank of Asst. Surgeon in Form-VII. A candidate intending to take admission in HMCT will have to furnish a separate medical fitness certificate in Form-VI.

**ORIGINAL DOCUMENTS TO BE SUBMITTED ON THE DAY OF REPORTING AT THE FINALLY ALLOTTED INSTITUTE.**

- ✓ Final downloaded Seat Allotment Letter from the website.
- ✓ Fee deposit slip (institute copy) in respect of seat allotment.
- ✓ Conduct Certificate and SLC/CLC from the institution last studied.
- ✓ Recent passport size photographs duly attested.
- ✓ Migration Certificate in case of candidates passing the 10<sup>th</sup> standard examination from any Board other than Board of Secondary Education, Odisha

All original certificates are subject to verification by issuing authorities. The candidate should be very careful in submitting the certificates during counseling. The head of the Institute is being instructed to get all documents verified within Six (06) months, failing which the candidates will not be allowed to continue in 3<sup>rd</sup>/5<sup>th</sup> Semester/2<sup>nd</sup> year.

**21) PLACEMENT**

In last three years, we have provided placement assistance to our students in many reputed firms with **Minimum Salary 1 lakhs CTC** and **Maximum Salary: 2 lakhs CTC**. Average Salary: Around 80K CTC. The College is also being tied up with some Placement Consultancy Agencies that help us in giving placement to our students throughout the year. Also students have been posted in some Govt. jobs by attempting competitive exams.

**22) FACULTY MEMBERS**

We have maintained Permanent Faculty: Student Ratio as **1:25** (as per the requirement of AICTE, New Delhi in APH 2019-20).

Branch-wise faculty list is mentioned below.

Prof. Samir Kumar Mohanty	<b>Principal</b>	Mechanical Engg.
<b>DEPARTMENT OF CIVIL ENGINEERING</b>		
Er. (Ms.) Monalisha Mohapatra		HOD
Er. (Ms.) Adarshi Manisha Biswal		Lecturer
Er. (Ms.) Supriya Sahoo		Lecturer
Er. (Ms.) Meera Behera		Lecturer
Er. (Ms.) Lipsa Behera		Lecturer
Er. Purak Sundaray		Lecturer
Er. Nihar Ranjan Nayak		Lecturer
Er. (Ms.) Arpita Rout		Lecturer
Er. (Ms.) Pushpita Dehury		Lecturer
Er. (Ms.) Itismita Swain		Lecturer
Mr. Chiku Senapati		Lab Assistant

<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b>	
Er. Satish Ranjan Dhar	HOD
Er. Utkal Keshari Rout	Lecturer
Er. (Ms.) Archana Parida	Lecturer
Er. Archana Parida	Lecturer
Er. Prabinkumar Sahoo	Lecturer
Er. Kishor Kumar Sethi	Lecturer
Er. Deepak Kumar Swain	Lecturer
Er. Krushna P. Samantara	Lecturer
Er. Sweety Kisku	Lecturer
Er. (Ms.) Priyanka Priyadarshini Lenka	Lecturer
Mr. Sahil Mohanty	Lab Assistant
Mr. Padmanav Beura	Lab Assistant
Mr. Niranjan Behera	Lab Assistant
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>	
Er. Sangram Keshari Padhi	HOD
Er. Sabyasachi Padhi	Lecturer
Er. Ashutosh Raha	Lecturer
Er. (Mrs.) Gitanjali Mohanty	Lecturer
Er. Prabir Kumar Pradhan	Lecturer
Er. Marshal Marandi	Lecturer
Er. Sesan Kanungo	Lecturer
Er. Mahesh Swain	Lecturer
Mr. Bhagirathi Behera	Lab Assistant
Mr. Rakesh Kumar Das	Lab Assistant
<b>DEPARTMENT OF ELECTRONICS &amp; TELECOMMUNICATION ENGINEERING</b>	
Er. (Mr.) Nirmala Nanda Dhal	HOD
Er. (Mrs.) Pratikshya Samantaray	Lecturer
Mr. Brusav Majhi	Lab Assistant
<b>DEPARTMENT OF COMPUTER SCIENCE &amp; ENGINEERING</b>	
Miss. Priyambika Sahoo	Lecturer
Mrs. Prajna Sundaray	HOD
Er. Lasmita Behera	Lecturer
Mr. Ashok Behera	Lecturer
<b>FACULTIES OF BASIC SCIENCE</b>	
Miss. Nibedita Giri	HOD
Miss Madhusmita Behera	Lecturer
Miss Syjol Nanda	Lecturer
Mr. Ratikant Rout	Lecturer
Miss. Sushree Sangita Mishra	Lecturer
Mr. Narayan Parida	Lecturer
Miss. Jhuni Hada	Lecturer
Mr. Om Prakash Sethi	Lab Assistant

## 23) FACULTYPROFILE

NameoftheFaculty	Prof.SamirKumarMohanty
Designation	PRINCIPAL
Department	Mech.Engg.
EducationalQualification	M-Tech
UniqueID	1-511646263
DateofBirth	12-04-1983
TeachingExperience	19yrs
CoursesTaught	DIPLOMA&B-Tech
Projectscarriedout	07
AreaofSpecialization	MechanicalEngg.
TeachingSubjects	Machine Design, Mechanics, ThermalEngg.,PowerPlantEngg.



## DEPARTMENTOFCIVILENGINEERING

NameoftheFaculty	Er.MonalishaMohapatra
Designation	HOD
Department	CivilEngg.
EducationalQualification	M-Tech
UniqueID	1-2707575336
DateofBirth	15-07-1994
TeachingExperience	7yrs
CoursesTaught	DIPLOMA
Projectscarriedout	06
AreaofSpecialization	CivilEngg.
TeachingSubjects	Railway & Bridge Engg., Structural Design,Construction Management



NameoftheFaculty	Er.AdarshiManishaBiswal
Designation	Lecturer
Department	CivilEngg.
EducationalQualification	B-Tech
UniqueID	1-2918153702
DateofBirth	24-02-1994
TeachingExperience	6yrs
CoursesTaught	DIPLOMA
Projectscarriedout	04
AreaofSpecialization	CivilEngg.
TeachingSubjects	Concretetechnology,Building Materials&Const.Tech.,Water Supply



NameoftheFaculty	Er.SupriyaSahoo	
Designation	Lecturer	
Department	CivilEngg.	
EducationalQualification	B-Tech	
UniqueID	1-3369524753	
DateofBirth	26-06-1994	
TeachingExperience	5yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	04	
AreaofSpecialization	CivilEngg.	
TeachingSubjects	LandSurvey,Estimating&Costing, Environmental Studies	

NameoftheFaculty	Er.PurakSundaray	
Designation	Lecturer	
Department	CivilEngg.	
EducationalQualification	B-Tech	
UniqueID	1-9523763738	
DateofBirth	02-10-1997	
TeachingExperience	2yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	02	
AreaofSpecialization	CivilEngg.	
TeachingSubjects	HighwayEngineering, Adv.Const. Techniques & Equipments	

NameoftheFaculty	Er.NiharRanjanNayak	
Designation	Lecturer	
Department	CivilEngg.	
EducationalQualification	B-Tech	
UniqueID		
DateofBirth	02-10-1997	
TeachingExperience	2yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	02	
AreaofSpecialization	CivilEngg.	
TeachingSubjects	GeotechnicalEngg.,Irrigation Engineering	

## **DEPARTMENT OF ELECTRICAL ENGINEERING**

Name of the Faculty	Er. Satish Ranjan Dhar	
Designation	HOD	
Department	Electrical Engg.	
Educational Qualification	M-Tech	
Unique ID	1-1577192193	
Date of Birth	23-05-1990	
Teaching Experience	9yrs	
Courses Taught	DIPLOMA	
Projects carried out	09	
Area of Specialization	Electrical Engg.	
Teaching Subjects	Energy Conversion-I&II, Basic Electrical Engineering, Generation Transmission & Distribution	

Name of the Faculty	Er. Utkal Keshari Rout	
Designation	Lecturer	
Department	Electrical Engg.	
Educational Qualification	B-Tech	
Unique ID	1-2736589643	
Date of Birth	17-06-1986	
Teaching Experience	7yrs	
Courses Taught	DIPLOMA	
Projects carried out	04	
Area of Specialization	Electrical Engg.	
Teaching Subjects	Electrical Installation & Estimating, Engineering Drawing, Electrical Engg. Materials	

Name of the Faculty	Er, Archana Parida	
Designation	Lecturer	
Department	Electrical Engg.	
Educational Qualification	B-Tech	
Unique ID	1-43383775395	
Date of Birth	23-05-1997	
Teaching Experience	03yrs	
Courses Taught	DIPLOMA	
Projects carried out	01	
Area of Specialization	Electrical Engg.	
Teaching Subjects	Power Electronics, Circuit & Network Theory, Electrical Machine	

NameoftheFaculty	Er.KrushnaP.Samantara	
Designation	Lecturer	
Department	Electrical Engg.	
EducationalQualification	B-Tech	
UniqueID	1-7478633498	
DateofBirth	07-06-1996	
TeachingExperience	2yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	01	
AreaofSpecialization	Electrical Engg.	
TeachingSubjects	SwitchGear&ProtectionDevice, EnergyConversion-I	

NameoftheFaculty	Er.SatyakamMohapatra	
Designation	Lecturer	
Department	Electrical Engg.	
EducationalQualification	B-Tech	
UniqueID	1-511365449	
DateofBirth	15-02-1998	
TeachingExperience	8yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	05	
AreaofSpecialization	Electrical Engg.	
TeachingSubjects	UtilizationofElectricEnergy& Traction,PowerElectronics& Drive,EnvironmentalStudies	

NameoftheFaculty	Er.PrabinKumarSahoo	
Designation	Lecturer	
Department	Electrical Engg.	
EducationalQualification	B-Tech	
UniqueID	1-3643874290	
DateofBirth	15-07-1990	
TeachingExperience	4yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	02	
AreaofSpecialization	Electrical Engg.	
TeachingSubjects	BasicElectrical,Utilizationof ElectricEnergy&Traction,Switch Gear & Protection Device	

NameoftheFaculty	Er.KishoreKumarSethi	
Designation	Lecturer	
Department	Electrical Engg.	
EducationalQualification	B-Tech	
UniqueID	1-3647809770	
DateofBirth	05-10-1985	
TeachingExperience	4yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	02	
AreaofSpecialization	Electrical Engg.	
TeachingSubjects	Circuit Theory, Digital Electronics & Microprocessor, Analog Electronics & OPAMP	

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATIONENGINEERING**

NameoftheFaculty	Prof.NirmalaNandaDhal	
Designation	HOD	
Department	E.T.CEngg.	
EducationalQualification	B-Tech	
UniqueID	1-43387530109	
DateofBirth	07-06-1983	
TeachingExperience	15yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	07	
AreaofSpecialization	E.T.CEngg.	
TeachingSubjects	BasicElectronics,VLSI, Microprocessor&Micro Controller,Electronics Measurement	

NameoftheFaculty	Er.PratikshyaSamantaray	
Designation	Lecturer	
Department	E.T.CEngg.	
EducationalQualification	B-Tech	
UniqueID	1-3644908772	
DateofBirth	22-10-1994	
TeachingExperience	4yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	01	
AreaofSpecialization	E.T.CEngg.	
TeachingSubjects	AnalogElectronics, Circuit&NetworkTheory,DataComm.	

## DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Faculty	Er. Sangram Keshari Padhi
Designation	HOD
Department	Mechanical Engg.
Educational Qualification	B-Tech
Unique ID	1-3643874281
Date of Birth	03-05-1992
Teaching Experience	6yrs
Courses Taught	DIPLOMA
Projects carried out	03
Area of Specialization	Mechanical Engg.
Teaching Subjects	FMHM, Thermodynamics, Industrial Engg. & Quality Control



Name of the Faculty	Er. Sabyasachi Padhi
Designation	Lecturer
Department	Mechanical Engg.
Educational Qualification	B-Tech
Unique ID	1-7478632850
Date of Birth	08-09-1994
Teaching Experience	3yrs
Courses Taught	DIPLOMA
Projects carried out	01
Area of Specialization	Mechanical Engg.
Teaching Subjects	Automobile Engg, Theory of Machine, Mechatronics



Name of the Faculty	Er. Prabir Kumar Pradhan
Designation	Lecturer
Department	Mechanical Engg.
Educational Qualification	B-Tech
Unique ID	1-3857904736
Date of Birth	09-07-1992
Teaching Experience	6yrs
Courses Taught	DIPLOMA
Projects carried out	03
Area of Specialization	Mechanical Engg.
Teaching Subjects	Mechanics, Adv. Manufacturing Process, CAD/CAM

NameoftheFaculty	Er.GitanjaliMohanty
Designation	Lecturer
Department	MechanicalEngg.
EducationalQualification	B-Tech
UniqueID	1-7478632844
DateofBirth	07-07-1984
TeachingExperience	6yrs
CoursesTaught	DIPLOMA
Projectscarriedout	02
AreaofSpecialization	MechanicalEngg.
TeachingSubjects	Adv. Manufacturing Process, StrengthofMaterials,Production Technology



NameoftheFaculty	Er.MarshallMarandi
Designation	Lecturer
Department	MechanicalEngg.
EducationalQualification	B-Tech
UniqueID	
DateofBirth	05-05-1993
TeachingExperience	1yrs
CoursesTaught	DIPLOMA
Projectscarriedout	02
AreaofSpecialization	MechanicalEngg.
TeachingSubjects	WorkshopTechnology,Designof Machine Elements, RAC



### **DEPARTMENT OF BASIC SCIENCE**

NameoftheFaculty	Miss.NibeditaGiri
Designation	HOD
Department	BasicSc.Dept.
EducationalQualification	M.A(English)
UniqueID	1-7478495170
DateofBirth	21-03-1995
TeachingExperience	4yrs
CoursesTaught	DIPLOMA
Projectscarriedout	
AreaofSpecialization	BasicSc.
TeachingSubjects	Comm.English,Englishlanguage lab



NameoftheFaculty	Mr.RatikantRout	
Designation	Lecturer	
Department	BasicSc.Dept.	
EducationalQualification	M.Sc	
UniqueID	1-43379465381	
DateofBirth		
TeachingExperience	2yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	01	
AreaofSpecialization	BasicSc.	
TeachingSubjects	Chemistry	

NameoftheFaculty	Miss.PriyambikaSahoo	
Designation	Lecturer	
Department	BasicSc.Dept.	
EducationalQualification	B-Tech	
UniqueID	1-2707575336	
DateofBirth	11-05-1994	
TeachingExperience	4yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	01	
AreaofSpecialization	BasicSc.	
TeachingSubjects	ComputerApplication	

NameoftheFaculty	Mrs.PrajnaSundaray	
Designation	Lecturer	
Department	BasicSc.Dept.	
EducationalQualification	B-Tech	
UniqueID	1-4831827006	
DateofBirth	01-06-1990	
TeachingExperience	4yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout	01	
AreaofSpecialization	BasicSc.	
TeachingSubjects	ComputerApplication	

NameoftheFaculty	Miss.PadminiDharua	
Designation	Lecturer	
Department	BasicSc.Dept.	
EducationalQualification	M.Sc.	
UniqueID	1-9523194701	
DateofBirth	24-03-1997	
TeachingExperience	01yrs	
CoursesTaught	DIPLOMA	
Projectscarriedout		
AreaofSpecialization	BasicSc.	
TeachingSubjects	Physics.	

## 24) ADMISSIONDETAILS

NumberofStudentsadmittedundervariouscategoriaseachyearinthelastthreeyears.

NameofCourse	Sanctioned/ ApprovedIntake in 2021-22	Sanctioned/ ApprovedIntake in 2022-23	Sanctioned/ ApprovedIntake in 2023-24	Sanctioned/ ApprovedIntake in 2024-25	Sanctioned/ ApprovedIntakein 2025-26
Diplomain Civil Engineering	60	60	60	60	60
DiplomainElectrical Engineering	120	120	120	120	120
DiplomainMechanical Engineering	60	60	60	60	60
DiplomainElectronics& Telecommunication Engineering	30	30	30	30	30
Diploma in Computer Science & Engineering	x	x	30	30	30

ADMISSION YEAR 2021-22										
BRANCH	NO.OFSTUDENTSENROLLED									
	GENERAL		SC		ST		OBC		TOTAL	
	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS
CIVIL	13	2	27	15	19	13	0	0	59	30
ELECTRICAL	22	0	45	4	49	2	0	0	116	6
ETC	01	0	15	6	14	9	0	0	30	15
MECHANICAL	29	0	21	0	09	0	0	0	59	0

ADMISSION YEAR 2022-23										
BRANCH	NO.OFSTUDENTSENROLLED									
	GENERAL		SC		ST		OBC		TOTAL	
	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS
CIVIL	17	1	31	10	12	05	0	0	60	16
ELECTRICAL	25	0	86	16	09	01	0	0	120	17
ETC	01	0	08	2	21	6	0	0	30	8
MECHANICAL	29	0	28	0	03	0	0	0	60	0

ADMISSION YEAR 2023-24										
BRANCH	NO.OFSTUDENTSENROLLED									
	GENERAL		SC		ST		OBC		TOTAL	
	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS
CIVIL	26	02	29	07	04	02	0	0	59	11
ELECTRICAL	54	02	53	03	11	0	0	0	118	5
ETC	05	00	11	5	14	7	0	0	28	12
MECHANICAL	36	0	22	0	02	0	0	0	60	0
COMP.SC.	09	02	15	07	06	03	00	00	30	12

BRANCH	ADMISSION YEAR 2024-25									
	NO.OFSTUDENTSENROLLED									
	GENERAL		SC		ST		OBC		TOTAL	
	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS
CIVIL	29	04	22	05	05	02	00	00	56	11
ELECTRICAL	90	00	23	02	05	02	00	00	118	06
ETC	06	02	07	02	02	02	00	00	15	06
MECHANICAL	51	00	08	00	01	00	00	00	60	00
COMP.SC.	10	02	09	02	04	01	00	00	23	05

ADMISSION YEAR 2025-26										
BRANCH	NO.OFSTUDENTSENROLLED									
	GENERAL		SC		ST		OBC		TOTAL	
	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS	TOTAL	GIRLS
CIVIL	44	03	14	03	00	00	00	00	58	06
ELECTRICAL	85	05	28	06	07	02	00	00	120	13
ETC	12	01	13	04	05	03	00	00	30	08
MECHANICAL	48	00	10	00	02	00	00	00	60	00
COMP.SC.	18	02	10	05	00	00	00	00	28	07

## 25) INFRASTRUCTURE&OTHERRESOURCESAVAILABLE

<b>NumberofClass Rooms</b>	11	<b>Sizeofeach</b>	66Sq.mt.
<b>Number of Tutorial Rooms</b>	3	<b>Sizeofeach</b>	33Sq.mt.
<b>No.ofLaboratories</b>	21		
<b>No.ofDrawingHalls</b>	1	<b>Size</b>	132Sq.mt.
<b>No.ofComputer Centre</b>	1	<b>Size</b>	153.3Sq.mt.
<b>LanguageLab</b>	1	<b>Size</b>	66Sq.mt.
<b>BarrierFreeBuilt Environment for disabled and elderlypersons</b>	Available		
<b>Fire&amp;Safety Certificate</b>	Available	<b>Occupancy Certificate</b>	View
<b>Hostelfacilities</b>	AvailableforbothBoys&Girls		
<b>Library</b>			
<b>No.of Library Books Titles</b>	1163	<b>No.of Library Books Volumes</b>	7387

<b>No.ofJournals available</b>	12		
<b>E-Libraryfacilities</b>			
<b>No.ofLibrarye-Books Titles</b>	44	<b>No.ofLibrarye-BooksVolumes</b>	70
FacilityforwatchingofMOOCSthroughSWAYAM&NPTELisavailableinsideLibrary.			
<b>LaboratoryandWorkshop</b>			
<b>ComputingFacilities</b>			
<b>InternetBandwidth</b>	100Mbps		
<b>No.ofComputer Systems</b>	98	<b>Configurationsof each system</b>	32/64-bitOS,Corei3,3GB RAM,1TBHD
<b>Totalno.ofSystems connectedbyLAN</b>	98		
<b>Totalno.ofSystems connectedbyWAN</b>	Nil		
<b>Major software PackagesAvailable</b>	Windows10,Windows7,Java,MSOffice,AdobeAcrobat Reader, IE 8.1, Chrome, Firefox, WINZIP, Adobe Flash Player		
<b>Special purpose facilitiesavailable</b>	AUTOCAD, TURBO C,C++, MATLAB, STAAD PRO, P-SPICE, CAD/CAM		
<b>ListofFacilitiesAvailable</b>			
<b>GamesandSports FacilitiesAvailable</b>	Football, Cricket, Kabaddi, Volley Ball, Throw Ball, Javelin, Shut-put, MusicChair, Chess, Carrom, 100mt, 200mt&400mtRunning Competitions		
<b>Extra-Curricular Activities</b>	Song, Dance, Debate, Quizcompetitions, Involvementin Swachh Bharat Pogrammes		
<b>SoftSkills Development Facilities</b>	LanguageLaboratoryavailable, Seminarsconductedinregular intervals		

## 26) TEACHINGLEARNINGPROCESS

- ✓ *Curriculum&SyllabusfortheprogrammeisasapprovedbytheStateCouncil forTechnicalEducation&VocationalTraining, Odisha*
- ✓ *AcademicCalendarisasapprovedbytheStateCouncilforTechnical Education & Vocational Training, Odisha*
- ✓ *AcademicTimeTablepublishedwiththenameofthefacultymembers handlingtheCourseineachsession*
- ✓ *TeachingLoadofeachfacultyisstrictlyfollowedaspertherulesand regulationsofSCTE&VT, OdishaandAICTE, NewDelhi.*
- ✓ *Internal Examinations for each Semester is conducted frequently as per the GuidelinesofSCTE&VT, Odisha.*

## 27) EQUIPMENTDETAILS

### DEPARTMENT OF ELECTRICAL ENGINEERING

- EQUIPMENT LIST OF ELECTRICAL WORKS PRACTICE**

SINGLE CORE, TWIN CORE, THREE CORE, FOUR CORE COPPER AND ALUMINIUM PVC, VIR, AND WEATHER PROOF WIRE	SINGLE CORE, TWIN CORE, THREE CORE, FOUR CORE COPPER AND ALUMINIUM PVC, VIR, AND WEATHER PROOF WIRE
COPPER AND ALUMINIUM CABLE, CRIMPING LUG	DC MOTOR WITH STARTER
FLUORESCENT TUBE LIGHT	AC MOTOR WITH STARTER
HIGH PRESSURE M.V LAMP 5. SODIUM VAPOUR LAMP	L.T AND H.T ALUMINIUM CABLE
M.H LAMP	CRIMPING TOOLS AND LUG
CFL	SINGLE PHASE INDUCTION MOTOR
BATTERY CHARGER AND LEAD ACID BATTERY	THREE PHASES SQUIRREL CAGE INDUCTION MOTOR
SINGLE PHASE MOTOR (FAN)	PHASE WOUND MOTOR
DC GENERATOR	SINGLE PHASE / THREE PHASE VARIAC

- Equipment List ANALOG ELECTRONICS LAB**

BREADBOARD	CROW WITH PROBES 11 STEP DOWN TRANSFORMER
REGULATED POWER SUPPLY	ZENER DIODE
DIGITAL MULTIMETER	FUNCTION GENERATOR
JFET CHARACTERISTIC TRAINER KIT	CLASS A, CLASS B, CLASS C TUNED AMPLIFIER TRAINER
RECTIFIER TRAINER WITH FILTER	OSCILLATOR TRAINER KIT (HEARTLY OSCILLATOR, COLL-PITS OSCILLATOR. WEIN BRIDGE OSCILLATOR, RC PHASE SHIFT OSCILLATOR)
VOLTAGE REGULATOR TRAINER KIT USING ZENER DIODE	TRANSISTOR CONFIGURATION TRAINER KIT
BJT BIASING TRAINER (FIXED BIAS, EMITTER BIAS, VOLTAGE DIVIDER BIAS, COLLECTOR FEEDBACK BIAS)	PUSH PULL AMPLIFIER TRAINER
CE AMPLIFIER TRAINER	OP AMP TRAINER KIT FOR DIFFERENTIATION AND INTEGRATION
RC COUPLE AMPLIFIER TRAINER	CROW WITH PROBES 11 STEP DOWN TRANSFORMER
MERGGER	MULTIVIBRATOR TRAINER KIT (ASTABLE, BISTABLE, MONOSTABLE)

• **ELECTRICALMACHINELAB-I**

DC SHUNT MOTOR COUPLED WITH A DC SHUNT GENERATOR(MGSET)	LAMPLOADBOX
DCSERIESMOTOR	3POINTSTARTER
DCSHUNTMOTOR	4POINTSTARTER
DCCOMPOUNDMOTOR	1PHVARIAC
1-PHASETRANSFORMER	SPRINGWEIGHT
MULTIMETER	STARDELTASTARTER
MEGGER8VOLTMETER	3PHASEINDUCTIONMOTOR-SHUNT GENERATOR SET
AMMETER	DRUMCONTROL
WATTMETER	INDUCTIVELOAD(VARIABLE)
TACHOMETER	CAPACITIVELOAD
P.FMETER	2POINTSTARTER
VARIABLERESISTANCE	OHMMETRE
RESISTIVELOADBOX	CLAMPMETER

• **Equipment List**

• 1.3-phaseSquirrelCageInduction Motor	• ACVoltmeter
• 2.3-phaseSlipRingInductionMotor	• 18.ACammeter
• 3.DCShuntMotorcoupledwith AlternatorsetwithSynchronizationpanel of Two Alternators	• 19.3-PhaseResistiveLoadBox
• 4.1-phaseCapacitorStartCapacitorRun Motor	• 20.3-PhaseEnergymeter
• 5. 3-phase Transformer 6. 3-phase wattmeter	• 21.DemonstrationalmodelofOil Circuit Breaker
• 7.1-phasewattmeter8.3-PhaseVariac	• 22.ReverseCurrentRelaykit
• 9.DOLstarter	• 23.Demonstrationalmodelof Buchholz'sRelayTrainerKit
• 10.Star-DeltaStarter	• 24.Earthfaultrelaytestkit
• 11.RotorResistancestarter	• 25.PowerElectronicstrainerkitto perform(a)switchingcharacteristicsof apowertransistor(b)V-I characteristicsofSCR,TRIAC,DIAC(c) Drive circuit for SCR & TRIAC using DIAC & UJT (d) phase controlled bridge rectifierusingresistiveload(e)series Inverter(f)voltagesourceInverter(g) speed control of DC motor using Chopper (h) single-phase Cyclo-converter
• 12.AutoTransformerStarter	• 26.8085microprocessortrainerkit

<ul style="list-style-type: none"> <li>• 13.3-Point Starter</li> </ul>	<ul style="list-style-type: none"> <li>• 27. Traffic Light controller interfacing module</li> <li>• 28. Digital electronic trainer kit</li> </ul>
<ul style="list-style-type: none"> <li>• 14. Field Regulator</li> </ul>	<ul style="list-style-type: none"> <li>• 29. PLC trainer kit</li> </ul>
<ul style="list-style-type: none"> <li>• 15. DC Voltmeter</li> </ul>	<ul style="list-style-type: none"> <li>• 30. 1ph CSIR Motor</li> </ul>
<ul style="list-style-type: none"> <li>• 16. DC Ammeter</li> </ul>	<ul style="list-style-type: none"> <li>• 31. 1ph Universal Motor</li> </ul>
<ul style="list-style-type: none"> <li>• 3ph Rectifier Unit</li> </ul>	<ul style="list-style-type: none"> <li>• 32. 1ph Repulsion Motor</li> </ul>
<ul style="list-style-type: none"> <li>• DC SHUNT MOTOR coupled with a DC SHUNT GENERATOR (MGSET)</li> </ul>	<ul style="list-style-type: none"> <li>• AC Voltmeter</li> </ul>
<ul style="list-style-type: none"> <li>• DC SERIES MOTOR</li> </ul>	<ul style="list-style-type: none"> <li>• 18. AC Ammeter</li> </ul>
<ul style="list-style-type: none"> <li>• DC SHUNT MOTOR</li> </ul>	<ul style="list-style-type: none"> <li>• MEGGER</li> </ul>
<ul style="list-style-type: none"> <li>• DC COMPOUND MOTOR</li> </ul>	<ul style="list-style-type: none"> <li>• VOLTMETER [MI type 0-30, 0-300, 0-150-300-600V], [MC type 0-50, 0-100, 0-150, 0-300, 0-600, 0-75-150V]</li> </ul>
<ul style="list-style-type: none"> <li>• 1-PHASE TRANSFORMER</li> </ul>	<ul style="list-style-type: none"> <li>• AMMETER [MI type 0-100mA, 0-2.5, 0-5, 0-5-10A] [MC type 0-100ma, 0-500ma, 0-1, 0-2.5, 0-3, 0-5A]</li> </ul>
<ul style="list-style-type: none"> <li>• MULTIMETER</li> </ul>	<ul style="list-style-type: none"> <li>• WATTMETER [LPF-150W, 300W, 600W], [UPF 700W, 1400W]</li> </ul>
<ul style="list-style-type: none"> <li>• VARIABLE RESISTANCE (100Ω, 5Amp)</li> </ul>	<ul style="list-style-type: none"> <li>• TACHOMETER [ANALOG &amp; DIGITAL 0-10,000rpm]</li> </ul>
<ul style="list-style-type: none"> <li>• VARIABLE RESISTANCE (150Ω, 5Amp)</li> </ul>	<ul style="list-style-type: none"> <li>• P.F. METER [5A]</li> </ul>
<ul style="list-style-type: none"> <li>• VARIABLE RESISTANCE (600Ω, 1.2Amp)</li> </ul>	<ul style="list-style-type: none"> <li>• VARIABLE RESISTANCE (50Ω)</li> </ul>
<ul style="list-style-type: none"> <li>• VARIABLE RESISTANCE (20Ω, 5Amp)</li> </ul>	<ul style="list-style-type: none"> <li>• NOSE PLIER</li> </ul>
<ul style="list-style-type: none"> <li>• RESISTIVE LOAD BOX (1.2KW)</li> </ul>	<ul style="list-style-type: none"> <li>• WIRE GAUGE</li> </ul>
<ul style="list-style-type: none"> <li>• LAMP LOAD BOX (1.2KW)</li> </ul>	<ul style="list-style-type: none"> <li>• WIRE STRIPPER</li> </ul>
<ul style="list-style-type: none"> <li>• STARTER (3point)</li> </ul>	<ul style="list-style-type: none"> <li>• NEON TESTER (240V)</li> </ul>
<ul style="list-style-type: none"> <li>• STARTER (4point)</li> </ul>	<ul style="list-style-type: none"> <li>• MEASURING TAPE (30M)</li> </ul>
<ul style="list-style-type: none"> <li>• BALL PIN HAMMER</li> </ul>	<ul style="list-style-type: none"> <li>• SCREW DRIVER (10 INCH)</li> </ul>
<ul style="list-style-type: none"> <li>• MALLETHAMMER</li> </ul>	<ul style="list-style-type: none"> <li>• SCREW DRIVER (5 INCH)</li> </ul>
<ul style="list-style-type: none"> <li>• COMBINATION PLIER</li> </ul>	<ul style="list-style-type: none"> <li>• Combination plier</li> </ul>
<ul style="list-style-type: none"> <li>• ELECTRICIAN KNIFE</li> </ul>	<ul style="list-style-type: none"> <li>• Nose plier</li> </ul>
<ul style="list-style-type: none"> <li>• WIRE CUTTER</li> </ul>	<ul style="list-style-type: none"> <li>• Wire gauge</li> </ul>
<ul style="list-style-type: none"> <li>• PV TAPE</li> </ul>	<ul style="list-style-type: none"> <li>• Wirestripper</li> </ul>
<ul style="list-style-type: none"> <li>• Fuse (240v, 5amp)</li> </ul>	<ul style="list-style-type: none"> <li>• Incandescent lamp (180w, 230v)</li> </ul>
<ul style="list-style-type: none"> <li>• Fuse (240v, 15amp)</li> </ul>	<ul style="list-style-type: none"> <li>• Fluorescent tube (40w, 230v)</li> </ul>
<ul style="list-style-type: none"> <li>• Oneway switch (240v, 5Amp)</li> </ul>	<ul style="list-style-type: none"> <li>• Choke (230v)</li> </ul>
<ul style="list-style-type: none"> <li>• Oneway switch (240v, 15Amp)</li> </ul>	<ul style="list-style-type: none"> <li>• Pcv board (2×4)</li> </ul>
<ul style="list-style-type: none"> <li>• Starter</li> </ul>	<ul style="list-style-type: none"> <li>• Pcv board (4×6)</li> </ul>

• Tubelightstand	• Pcvboard(6×6)
• Lampholder	• Pcvboard(4×10)
• Sodiumvapourlampset	• Pcvboard(6×8)
• Mercuryvapourlamp	• Junctionbox
• Icdpswitch(230v,5amp)	• PVCCONDUITPIPE(20m)
• Ictpswitch(400v,15amp)	• BATTENT(1.5inch,10m)
• Pcvboard(2×2)	• CAPACITOR(3μf,230V)
• CASINGCAPPING(20m)	• CEILINGFAN
• 5PinSocket(230v,5Amp)	• PEDESTALFAN
• 5PinSocket(230v,15Amp)	• BATTERYCHARGER[0-12-24V]
• ExtentionChord(30m)	• BANDPASSFILTER
• FANREGULATOR	• LOWPASSFILTER
• BEARINGPULLER	• HIGHPASSFILTER
• CAPACITOR(2.5μf,230V)	• BANDELIMINATIONFILTER
• CONSTANTKTYPEBANDPASSFILTER	• SPANNERSET
• CRO	• SOLDERINGIRONWITHFLUX&SOLDER
• FUNCTIONGENERATOR	• 14SWG.G.I.WIRE
• NETWORKTHEOREMKIT	• 7-STRANDEDCOPPERWIRE
• PARALLELRESONANCETRAINERKIT	• BENCHVICE
• RCCIRCUITANDTIMECONSTANTKIT	• SERIESTESTINGBOARD
• SERIESRESONANCETRAINERKIT	• SCREWDRIVERSET

## **DEPARTMENTOFMECHANICALENGINEERING**

### **• EQUIPMENTLISTOFAUTOMOBILEENGG.LAB**

- ✓ CHASSISOFACAR
- ✓ DIFFERENTIALOFATRACTOR
- ✓ HYDRAULICBRAKESYSTEMOFACARWORKINGMODEL
- ✓ SOLEXCARBURETOR
- ✓ MARUTICARTYPECARBURETOR
- ✓ CUTSECTIONOFAFUELPUMP
- ✓ NEWCARENGINE
- ✓ GEARBOX

### **• EQUIPMENTLISTOFPOWERSTATIONENGINEERINGLAB**

- ✓ STAINLESSSTEELSTEAMTURBINETESTRIG01KW3000RPM
- ✓ COOLINGTOWERAPPARATUSORMODEL
- ✓ JETCONDENSERAPPARATUSORMODEL

- ✓ DELAVELTURBINE
- ✓ SPRINGLOADED SAFETY VALVE
- ✓ LANCASHIRE BOILER MODEL
- ✓ BABCOCK AND WILCOX BOILER MODEL
- ✓ CORNISH BOILER MODEL
- ✓ VERTICAL WATER STEAM BOILER MODEL
- **EQUIPMENT LIST OF REFRIGERATION & AIR CONDITIONING LAB**

- ✓ DOMESTIC REFRIGERATOR TEST RIG
- ✓ WATER COOLER TEST RIG
- ✓ WINDOW AIR CONDITIONER TEST RIG
- ✓ SPLIT AIR CONDITIONER TEST RIG
- ✓ VACUUM PUMP SET WITH ACCESSORIES
- ✓ CHARGING CYLINDER WITH ACCESSORIES
- ✓ HALIDE TORCH OR ANY LEAK TESTER
- ✓ VAPOUR ABSORPTION TEST RIG

- **EQUIPMENT LIST OF HYDRAULIC MACHINE & INDUSTRIAL LAB**

- ✓ IMPULSE TURBINE (PELTON WHEEL) TEST RIG WITH ARRANGEMENTS TO FIND EFFICIENCY
- ✓ KAPLAN TURBINE TEST RIG WITH ARRANGEMENTS TO FIND EFFICIENCY
- ✓ FRANCIS TURBINE TEST RIG WITH ARRANGEMENTS TO FIND EFFICIENCY
- ✓ CENTRIFUGAL PUMP TEST RIG WITH ARRANGEMENTS TO FIND EFFICIENCY
- ✓ PNEUMATIC TRAINER KIT WITH ACCESSORIES
- ✓ HYDRAULIC TRAINER KIT WITH ACCESSORIES
- ✓ MANUAL OR DIGITAL TACHOMETER

- **EQUIPMENT LIST OF CAD/CAM LAB**

- ✓ DESKTOP COMPUTER WITH UPS
- ✓ AUTOCAD SOFTWARE 2D/3D
- ✓ CNC TURNING MACHINE
- ✓ CNC MILLING MACHINE
- ✓ PRINTER

- **EQUIPMENT LIST OF THEORY OF MACHINE & MEASUREMENT LAB**

- ✓ GOVERNOR APPARATUS
- ✓ STATIC AND DYNAMIC APPARATUS
- ✓ JOURNAL BEARING APPARATUS
- ✓ CAM ANALYSIS APPARATUS
- ✓ EPICYCLIC GEAR TRAIN
- ✓ VERNIER CALLIPER
- ✓ MICROMETER
- ✓ VERNIER HEIGHT GAUGE
- ✓ SLIP GAUGE
- ✓ SINE BAR

- **EQUIPMENTLISTOFTHEORYOFMECHANICALENGG.LAB**

- ✓ MODEL OF 2 STROKE PETROL ENGINE
- ✓ MODEL OF 4 STROKE PETROL ENGINE
- ✓ MODEL OF 2 STROKE DIESEL ENGINES
- ✓ MODEL OF 4 STROKE DIESEL ENGINES
- ✓ SINGLE CYLINDER PETROL ENGINE TEST RIG
- ✓ SINGLE CYLINDER DIESEL ENGINE TEST RIG
- ✓ MORSE TEST APPARATUS
- ✓ 2 STAGE AIR COMPRESSOR TEST RIG
- ✓ PRESSURE MEASURING DEVICES (BOURDON TUBE PRESSURE GAUGE, MANOMETER)
- ✓ BERNOULLI'S APPARATUS
- ✓ VENTURI METER APPARATUS
- ✓ ORIFICE METER APPARATUS
- ✓ FLOW THROUGH PIPE APPARATUS
- ✓ PARALLEL FORCE APPARATUS
- ✓ SEARLE'S APPARATUS
- ✓ TORSION TESTING MACHINE
- ✓ DIGITAL UNIVERSAL TESTING MACHINE
- ✓ HARDNESS TESTING MACHINE
- ✓ IMPACT TESTING MACHINE
- ✓ FLASH POINT AND FIRE POINT APPARATUS
- ✓ JOULES APPARATUS

- **EQUIPMENTLISTOFTHEORYOFMECHANICALENGG.WORKSHOP**

1. RADIAL DRILL MACHINE	2. VERNIER HEIGHT GAUGE
3. ALL GEAR LATHE	4. HACKSAW (FIXED FRAME)
5. CAPSTAN LATHE	6. ROUND FILE
7. CNC LATHE TRAINER	8. SINGLE CUT FILE
9. BENCH VICE	10. DOUBLE CUT FILE
11. PIPE VICE	12. BALL PEAN HAMMER
13. TRY SQUARE	14. TAP WRENCH
15. SCRIBER & SURFACE GAUGE	16. HAND DRILLING M/C
17. DOT PUNCH	18. PORTABLE GRINDER
19. CENTRE PUNCH	20. STEEL RULE (SCALE) 1 Meter
21. SURFACE PLATE	22. SCRIBER
23. ANGLE PLATE	24. MARKING GAUGE
25. STEEL RULE	26. MORTISE GAUGE
27. VERNIER CALLIPERS	28. TRY SQUARE
29. MICROMETRE	30. DIVIDERS

31.DIVIDERS	32.RIPSAW
33.OUTSIDECALLIPERS	34.COPINGSAW
35.INSIDECALLIPERS	36.FIRMARCHIESEL
37.FEELERGAUGE	38.GAUGE CHIESEL
39.RADIALDRILLMACHINE	40.IRONJACKPLANE
41.TRYINGPLANE	42.POKER
43.RASP	44.ANVIL
45.HANDDRILL	46.SCEDGEHAMMER
47.GIMLETDRILL	48.PICKUPTONG
49.CLAMPINGVICE	50.CHIESELTONG
51.C-CLAMP	52.CLOSEFLATTONG
53.CROSSPEANHAMMER	54.PINURTONG
55.CLAWHAMMER	56.HOTCHIESEL
57.MALLET	58.COLDCHIESEL
59.WOODWORKINGLATHE	60.DRIFT
61.CIRCULARSAW	62.SWAGEBLOCK
63.FURNACEOFHEARTH(WITH CENTREBLOWER)	64.BALLPEANHAMMER
65.SHOWEL	66.CROSSPEANHAMMER
67.TRYINGPLANE	68.POKER
69.RASP	70.ANVIL
71.ACWELDINGTRANSFORMERSET	72.PRESSUREGAUSES
73.CHIPPINGBRUSH	74.PRESSUREREGULATOR
75.WIREBRUSH	76.WELDINGTORCH
77.ARCSHIELD(EYEPROTECTOR)	78.GOGGLES
79.MIG/TIGWELDINGMACHINE	80.HOSEPIPES
81.OXYGENCYLINDER	82.ACETYLENECYLINDER

## **DEPARTMENT OF CIVIL ENGINEERING**

- **EQUIPMENT LIST OF SURVEY PRACTICE**

- ✓ Metallic Tape (15m, 30m) in leather/fiber case and winding device as per BIS 1492:1970
- ✓ Steel Tape (3m, 5m, 15m & 30m) made of steel ribbon in leather/fiber case and winding device as per BIS 1492:1970
- ✓ Invar Tape (15m, 30m) made of invar steel in leather/fiber case and winding device as per BIS 1492:1970

- ✓ CrossStaff(Open typemetallic)100X100X150mm iron legpaintedat bottom,1.5mlength
- ✓ RangingRods(Iron)2&3mlengthmadeofconduitsof30mmdiapaintedwithwhiteand black/redwithironshoesasperBIS2283:1983
- ✓ Hammer
- ✓ PrismaticCompass(150mmdia.)madeofbrassorgunmetalCircles:Aluminumgraduated every30minutes, Reading Agatestonebearingwithhelpofprism glasses& reflecting mirror packed in fiber case with sighting vane and rigid stand and ball socket arrangement
- ✓ 9PlaneTableSurveyingPlaneTableconsistingofDrawingBoard75cmX60cmX2cmmade of seasoned pine wood/fire wood and braced with teak wood battens fitted with brass screws and washers in slots complete with metallic disc of 160 mm dia at base and confirming to BIS2539:1963;accessories comprising of magnetic trough compass confirmingtoBIS1764:1961,spiritlevel15cmlong,plumbbob,28cmlongbrassUfork, alidade45cmlongmadeofbrass,onesidedbeveledgedwoodenstandwithmetallic head and shoes.
- ✓ TelescopicAlidadesize175mmInternalfocusingverticalcirclegraduatedtoread30min with vernier, extendable base plate to 375mm and half degree divided giving angle of elevation and depression spirit level mounted on top telescope, telescope fitted with stadia diaphragm, vertical circle, to be supplied in teak wood box fully protected from dust
- ✓ 11 Automatic Level (as per BIS:4590) Telescope: Apperture of objective 45mm Field view1020' Magnification 32X Stadia Ratio 1:100 Addition Constant 0(zero) Minimum FocusingDistance1.5mmRange250metersCircularlevelwithsensitivityper2mmrun10' mounted on sides of the telescope Accessories: Maintenance tools Leveling : Speedy Levelingbyballandsocketarrangement.TiltingscrewforfinallevelingTeakwoodbox, Tripodstandmadeofseasonedtimberrigidwithmetalshoes
- ✓ LevelingStaff:Aluminium-4meterlongintelestropicaccuratelypaintedinredandblack onwhitebackgroundasperBIS1779andpushtypeautomaticlockingsystemincanvas cover.LeastCount-0.005m/.001m

• **EQUIPMENTLISTOFCAD LAB**

- ✓ STAAD-Pro-V8issoftware
- ✓ AutoCAD-2016
- ✓ DeskTopComputerwithfollowinglatestversionconfiguration:Processor:IntelCorei7or higherversion,CPU@2.3GHzorhigher,Ram:4GBorhigher,MSWindows64bitoperating systemwith64basedprocessoretc.
- ✓ Laser Printer- Resolution in dpi: Mono 600x600, Paper size:A4, Print speed in ppm(A4 size):14,port:1orhigherconfiguration
- ✓ ScannerA4/Legalsize
- ✓ Plotter(44")withaccessoriesincompleteset

• **EQUIPMENTLISTOFCIVILENGG.LAB**

1)UniversalTensileTestingMachine	2)ShovelsorScoopsoBoth
3)HotAirOven	4)SamplingContainer
5)Issilve(90um)WithLid	6)SpecificGravityFlaskForFineAggregate
7)WeighingBalance	8)SpecificgravityFlaskForLargerAggregate
9)Spatula	10)Pycnometer

11) Vicat Apparatus	12) Well-Ventilated Oven
13) Weighing Balance	14) Tamping Rod
15) Measuring Cylinder	16) Filter Papers
17) Gauging Trowel	18) Funnels
19) Glass Plate	20) Steel Rule
21) Stop Watch	22) Measuring Cylinder
23) Le-chatelier Apparatus	24) Container
25) Water Bath	26) A Wire Basket of not more than 6-3mm mesh
27) Caliper	28) A Water Light Container
29) Measuring Cylinder	30) Well Ventilated Oven
31) Weighing Balance	32) Tamping Rod
33) Glass Sheet	34) An Air Tight Container
35) Enamel Tray	36) Sives Of 80mm, 40mm, 20mm, 10mm, 4.75mm
37) Trowel	38) Balance
39) Vibration Machine	40) Gauging Trowel
41) Poking Rod	42) Stop Watch
43) Cube Mould Of 70.6mm Size	44) Metal Gauge
45) Weighing Trowel	46) Weighing Balance
47) Stop Watch	48) Gauging Trowel
49) Graduated Glass Cylinder	50) Stop Watch
51) Compression Testing machine	52) A 15cm Diameter Open-ended Steel Cylinder
53) Compression Testing Machine	54) Tamping Rod
55) Compression Plate	56) Weighing Balance
57) Measuring Scale	58) Is Sives of sizes 12.5, 10 and 2.36mm
59) Sieves Of Different Sizes (80mm, 63, 50 mm, 40mm etc.)	60) Cylinder Metal Measure
61) Los-Angeles Abrasion test Machine	62) Tamping Rod
63) Oven	64) Weighing Balance
65) Weighing Balance	66) Oven
67) Is Sives (1.7-80mm)	68) Is sieve of 80mm, 50mm, 31.5mm, 25mm, 20mm, 16mm, 10mm, 8mm
69) Metallic Tray	70) Drying Oven
71) Impact Testing Machine	72) Container
73) A Cylinder Testing Machine	74) Weighing Balance

75) ACylindricalSteelcup	76) GaugingTrowel
77) AMetalHammerWeighing13.5kgto 14.0kg	78) StopWatch
79) IsSieves(12.5,10and2.36mm)	80) 150mmCubeMoulds
81) ElectronicWeighingBalance	82) MeasuringScale
83) G.I.Sheet	84) TampingRod
85) CompressiontestingMachine	86) Trowel
87) VibratingNeedle	88) Handscoop(15.2cmlong)
89) Mould(ForSlumpCone Test)	90) SteelRod
91) Non-PorousBaseplate	92) WeighingBalanceSchmidl-Rebound Hammer
93) RockSamples	94) AbrasionStone
95) CalibrationAnvil	96) ConcreteUltrasonicTestingEquipment
97) SteelBase	

- **EQUIPMENTLISTOFPUBLICHEALTHLAB**

- ✓ W.H.O.NephelometricTurbidityMeter
- ✓ TestTubes
- ✓ Thermometer
- ✓ GlassStirringRod
- ✓ Sacade
- ✓ Burette
- ✓ Pipette
- ✓ PHMeter
- ✓ Nephelometer
- ✓ Jar testApparatus
- ✓ GlassBreaker
- ✓ Pipette
- ✓ PHMeter
- ✓ Nephelometer
- ✓ Bottle
- ✓ Burette
- ✓ Pipette
- ✓ B.O.DBottle300mlCapacity
- ✓ B.O.D.Incubator
- ✓ AirCompressor
- ✓ MeasuringCylinder
- ✓ Burette
- ✓ Pipette

- **EQUIPMENTFORTransportation Laboratory**

- ✓ Container
- ✓ Needle
- ✓ PenetrationApparates
- ✓ Thermometer
- ✓ TimeMeasuringDevice
- ✓ BNiquetheMould
- ✓ DuctilityMachineWith Water both a Pulling Device(35,000)
- ✓ Thermometer
- ✓ APuttyKnife
- ✓ ViscosityTesting Equipment
- ✓ Centrifuge
- ✓ Balanceof Capac
- ✓ Oven

• **EQUIPMENTLISTOFHYDAULICSLAB**

1)F1-F10HydraulicsBench	2)StopWatch
3)F1-F15BernoullisApparatus Equipment	4)Thermometer
5)StopWatch	6)ExpansionMeasuringApparatus
7)RectangularNotch	8)Tri-axialTestcell
9)CollectingtankConstantHead Tank	10)LoadingFrame
11)StopWatch	12)TrimmingKnife
13)Ventrurimeter	14)Scale&VernierCallipers
15)Orisicemeter	16)DialGauge
17)F1-F10HydraulicsBench	18)PianoWireSaw
19)F1-F18PipeFrictionApparatus	20)MetalStraightEdge
21)VolumeChangeBaretter	22)Tamper
23)AirCompressor	24)Balance
25)SeamlessRubberMembrane	26)Scoop
27)MembraneStretcher	28)Graduatedcylinders
29)RubberRings	30)StopWatch
31)Permeameter	32)Thermometer

**DEPARTMENTOFETENGINEERING**

**BASICELECTRONICSLAB**

ANALOGMETER	R-CCOUPLEDAMP
DIGITALMULTIMETER	TRANSISTERISEDPOWERSUPPLY
VARIABLEPOWERSUPPLY0-32V	DIGITALPANELMETERS(AMMETER)
COMPONENTDEVELOPMENTSYSYEM	HARTLEYOSCILLATOR
DUAL-TRACECRO	COLOURTVRECEIVER
REGULATEDPOWERSUPPLY	PUBLICADDRESSSYSTEM
BREADBOARDS	

**ANALOGEELECTRONICSLAB**

COMPONENTDEV. SYSTEM	DIGITALPANELMETERS(AMMETERS)
DIGITALPANELMETER( $\mu$ AMMETER)	DIGITALPANELMETER(VOLTMETERS)
ANALOGMULTIMETER	FUNCTIONGENERATOR(1MHZ)
DIGITALMULTIMETER	STEPWISEFUNCTIONGENERATOR
25MHZ2-CH	4-TRACECRO
ZEROCROSSINGDECTOR	OP-AMPASAMP.
SINGLESTAGECEAMP.	OP-AMPASVOLTAGEFOLLOWER
OP-AMPASADDER	OP- AMPASDIFFERENTIATOR&INTEGRATOR ASTABLE MULTIVIBRATOR
SUBTRACTOR	MONOSTABLEMUTIVIBRATOR
DIFFERENTIALAMP.	ICREGULATEDPOWERSUPPLY
CHARACTERISTICSOFTTRANSISTOR	DIGITAL PANEL AMMETER DECADE RESISTANCEMETER
VARIABLEREGULATEDPOWERSUPPLY	CLIPPING&CLAMPINGCIRCUIT
TRANSISTORBLASSINGMETHOD	ASTABLEMV
DIGITALPANELVOLTMETER	MONOSTABLEMV

BISTABLEMV	OP-AMPASINVERTER
OP-AMPCHARACTERISTICS	OP-AMPASNONINVERTER
CHARACTERISTICSOFFET	OP-AMPASACOMPARATOR
V-FCONVERTER	OP-AMPASINTEGRATOR
F-VCONVERTERR-CINTEGRATOR	OP-AMPASDIFFERENTIATOR
CECHARACTERISTICS	CBCHARACTERISTICS
PUSH -PULL AMP TWO STAGE RC COUPLED AMP	HARTLEYOSCILLATOR
FETCHARACTERISTICS	WEINBRIDGEOSCILLATORR-CPHASE SHIFTOSCILLATOR
COLPITT'SOSCILLATOR	P-NDIODE CHARACTERISTICS
BASICTHEOREMDEMONSTRATOR	PROJECTBOARD
<b><u>DIGITALELECTRONICSLAB.</u></b>	
DIGITALTRAINERKIT	COUNTING LOGIC & COUNTER 8-BIT D/A CONVERTER
DIGITALICTRAINER	FLIP-FLOPTRAINER
DIGITALICTRAINER	ADDER&SUBTRACTOR
DIGITALICTRAINER	DIGITALMUX&DE-MUX
8-BITA/DCONVERTER	FLIP-FLOPTRAINER
<b><u>RADIO&amp;TVLAB</u></b>	
SUPERHETERODYNERECEIVER	MULTICHANNELSWEEPGENERATOR
TVTRAINERKIT(B&WANDCOLOR)	110MHZAM/FMSIGNALGENERATOR
ANTENNATRAINERKITWITHSATELLITE RECEIVER	TVTRAINERKIT
10HZ-150MHZFREQ.GENERATOR	DIGITALMULTI-METER
<b><u>COMMUNICATIONENGG.LAB/ADVANCECOMMUNICATIONLAB.</u></b>	
AMPLITUDEMODULATIONKIT	200KHZSIGNALGENERATOR
AMPLITUDEDEMODULATION	STEPWISEFUNCTIONGENERATOR
FREQUENCYMODULATION	AF-SIGNALGENERATOR
FOOSTERSEELEYDISCRIMINATOR	20MHZPULSEGENERATOR
RATIODIRECTOR	AUDIO SIGNAL GENERATOR TELEPHONE DEMONSTRATOR
MICROWAVETRANINGKIT	ANALOGSIGNALSAMPLINGANDRE-CONS.TRAINER
300KHZAM/FMSIGNALGENERATOR	FIBRE OPTICS COMMUNICATION TRAINER
1MMZFUNCTIONGENERATOR	
20MHZFUNCTIONGENERATOR	
<b><u>MICROPROCESSORLAB</u></b>	
8085TRAINERKIT(LED)	TRAFFICLIGHTCONTROLLERUSING 8255
8085TRAINERKIT(LCD)	SQUARE WAVE GENERATOR USING 8255
8086TRAINERKIT(LED)	8CHANNEL8BITA/DUSINGDAC-0809
8086TRAINERKIT(LCD)	MONITORDISPLAYUSING8279
DUAL8-BITD/AUSING0808	MEMORYINTERFACINGFOR8085
8255STUDYCARD	ELEVATORSIMULATORKIT
8051MICROCONTROLLERTRAINERKIT (LCD)	LCDINTERFACE(ALPHANUMERIC)

STEPPER MOTOR INTERFACING CARD USING8255	KEYBOARDDISPLAY(7SEGMENT INTERFACINGMOVINGLIGHTUSING8255)
<b><u>ELECTRONICMEASUREMENTLAB</u></b>	
LCR-QMETER	4-TRACECROHARMONICDISTORTION
300KHZAM/FMSIGNALGENERATOR	LCRQBRIDGE
1MHZFUNCTIONGENERATOR	WHEATSTONE'SBRIDGE
20MHZFUNCTIONGENERATOR	WINESBRIDGE
200KHZSIGNALGENERATOR	SCHEARINGBRIDGEWHEATSTONE'S BRIDGE
HARMONICDISTORTIONMETER	HAY'SBRIDGE
25MHZ2-CH CRO	MAXWELL'SBRIDGE

## **DEPARTMENTOFBASICSSCIENCE**

- EQUIPMENTLISTOFPhysicsLAB**

1.SLIDECALIPERS	2.DRAWINGBOARD
3.HOLLOWCYLINDER/SOLID CYLINDER	4.FOURHAIRPINS
5.INSTRUMENTBOX	6.GLASSPRISM
7.SCREWGAUGE	8.FIXINGPINS
9.APIECEOFWIRE	10.WHITEPAPERSHEET
11.GEOMETRYBOX	12.METERSCALE
13.MICROMETERSCREW	14.PROTRACTOR
15.WIRE(DCWIRE&BONDLERWIRE)	16.PENCIL
17.GLASSPIECE	18.BARMAGNET
19.SPHEROMETER	20.DRAWINGBOARD
21. GIVEN CURVED SURFACE (WATCH GLASS)	22.ASHEETOFWHITE PAPER
23.INSTRUMENTBOX	24.ACOMPASSNEEDLE
25.PLAINGLASS(BASEPLATE)	26.FIXINGPINS
27.CONCAVELENS	28.CELLOTAPE
29.CONVEXLENS	30.AMETERSCALE
31.ASOLIDMETALICBOBWITHHOOK	32.INSTRUMENTBOX
33.ASPLITSTAND	34.DCAMMETER
35.APIECEOFTHREADOFABOUT2METER	36.RESISTANCEBOX
37.SLIDECALLIPERS	38.RHEOSTAT
39.INSTRUMENTBOX	40.DCVOLTMETER
41.METERSCALE	42.CONNECTING WIRE
43.STOPWATCH	44.BATTERYORELIMINATOR

• **EQUIPMENTLISTOFChemistryLAB**

<b>SL.No.</b>	<b>Nameofthe Chemicals</b>	<b>QuantityAsPerthe Stock</b>	<b>SL. No.</b>	<b>Nameofthe Chemicals</b>	<b>QuantityAs PertheStock</b>
1.	HydrochloricAcid	10×500ml	20.	RedLitmusPaper	3Packets
2.	Sulphuric Acid	10×500ml	21.	FilterPaper	2Packets
3.	NitricAcid	5×500ml	22.	SpritLamp	2×500ml
4.	Ammonium Hydroxide	5×500ml	23.	AluminumChloride	1×500gm
5.	SodiumChloride	2×500ml	24.	LeadAcetate	1×500gm
6.	MarbleChips	5×1kg	25.	ZincSulphate	1×500gm
7.	AmmoniumChloride	2×500gm	26.	SodiumCarbonate	1×500gm
8.	Calcium Oxide	2×500gm	27.	E.D.T.A	1×50gm
9.	BlueLitmusPaper	3Packets	28.	Calcium Sulphate	1×500gm
10.	SodiumSulphide	1×500gm	29.	MithylOrangeSolution	1×125ml
11.	SodiumNitrate	1×500gm	30.	CobaltNitrate	1×100gm
12.	SodiumSulphate	1×500gm	31.	FusionMixture	1×500gm
13.	CopperSulphate	2×500gm	32.	Ammonium Carbonate	1×500gm
14.	FerrousSulphate	1×500gm	33.	AceticAcid	1×500ml
15.	Potassium Dichromate	1×500gm	34.	SodiumHydroxide	1×500gm
16.	Magnesium Sulphate	1×500gm	35.	SodiumNitrite	1×500gm
17.	Potassium Permanganate	1×500gm	36.	SilverNitrate	1×25gm
18.	BariumChloride	1×500gm	37.	Lead Acetate	1×500gm
19.	P.HPaper	2Packets	38.	AmmoniumFerrous Sulphate	1×500gm
39.	AluminumSulphate	1×500gm	56	ConicalFlax(250ml)	40
40.	BariumChloride	1×500gm	57	TestTube	2Packets
41.	FerrousSilphate	1kg	58	GasJar	20nos
42.	Potassium Pyroantimonate	1×100gm	59	BlowPipe	19nos
43.	Borax	1×500gm	60	GraduatedPipate	3nos

44.	SodaLime	1×500gm	61	MeasuringFlask	10nos
45.	ZincMetalPowder	1×500gm	62	MeasuringCylinder	12nos
46.	CopperMetal	1×100gm	63	WireGauge	11nos
47.	BufferCapsuleP.H-4.Q	10Capsule	64	ChinaBasin	11nos
48.	BufferCapsuleP.H-9.2	10Capsule	65	TestTubeHolder	10nos
49.	ErichromeBlack-T	25gm	66	TestTubeBrush	34nos
50.	DoubleBlueGlass	8nos	67	CharcoalBox	2Packets
51.	PlatinumLoop	15nos	68	TripodeStand	10nos
52.	NochromeWire	1coil	69	Test-tubeStand	10nos
53.	Calcium Carbonate	1×500gm	70	BunsenBurner	6nos
54.	CupricNitrite	500ml	71	HardGlassTestTube	1Packet
55.	Calcium Chloride	500ml	72	SpritLamp	2nos
56.	SodiumSulphate	500gm	73	ThistleFunnel	10nos
48.	BufferCapsuleP.H-9.2	10Capsule	74	WoufesBottle	10nos
49.	ErichromeBlack-T	25gm	75	ReagentBottle(100 ml)	62nos
50.	DoubleBlueGlass	8nos	76	RegentBottle(250ml)	50nos
51.	PlatinumLoop	15nos	77	RegentBottle(500ml)	30nos
52	DeliveryTube	1kg	78	ClampStand	10nos
53	Burette	20nos	79	FilterStand	10nos
54	Pipette	7nos	80	ConicalFlax(250ml)	40
55	Beakers(250ml)	32	81	TestTube	2Packets
82	TitrationStand	10nos	87	Tong	10nos
83	GlassRod	5kg	88	P.HMeter	1no
84	GlassPipe	1kg	89	GraduatedPipette	3nos
85	Mortar	2nos	90	Spatula	2nos
86	Dropper	2	91	PyrexTestTube	5Packets

## **EQUIPMENTLISTOFCOMPUTERCENTER&COMPUTERLAB**

SL.NO.	LISTOFTITEMS	QUANTITY (InNos.)
1	BRAND-ZENITH Intel@CPU@PENTIUM-IV e2140@1.60GHz. 1GBRAM,160GBHDD,DVDWriter,17"ColorMONITER(ZENITH& INTEX),OpticalMouse(ZENITH& INTEX),KeyBoard(ZENITH&INTEX),0.6KVAUPS(Supercomp.)	30
2	Brand-INTEX DualCoreProcessor,160GBHDD,1GBDDR2RAM,17"TFT Moniter, OpticalMouse,KeyBoard	30
3	LaserPrinter(XeroxModel-Jet1018)	03
4	Ink-JetPrinter(Canonmf4320-4356)	03
5	Richo Aficio MP1600L(D-link)	01
6	Ethernetcards	10
7	Cachce Cables	100Meters
8	RJ45Connectors	100
9	RJ45clippertool	05
10	8-porthub	01
11	ExternalDVDR/W(Transcend)	01
12	System Software: WindowsXP,Windows7,Linux5	3
13	LegalApplicationSoftware: MicrosoftofficeXP,Microsoftoffice2007,AutoCAD 2007,AutoCAD 2009,Tally 7.2,Oracle 9i,Fox Pro 6.0,Turbo C/C++,AdobePhotoshop7.0,AdobeReader7.0,AdobePage maker7.0,VisualStudio,Nero7.0,Coreldraw 10.0,Winzip,WinRAR,JDK1.5,Akurti7.0,LeapOffice,MatLab, MathType5.0	21

## **DETAILSLISTOFEQUIPMENTS,COMPUTERS,SOFTWARE'S**

1.	NumberofComputers	98Nos.
2.	NumberofLegalSystem Software	03Nos.
3.	NumberofLegalApplication Software	20Nos.
4.	InternetBandwidthinMbps	100mbps
5.	InternetConnectionRatio	1:4
6.	NumberofPrinters	05Nos.

