Mandatory Disclosure

Submitted to

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

For the
Academic Session
2023-24
In respect of

COLUMBIA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Village-Tekari, Post- Mandhar, Near Vidhansabha, Raipur (C.G.)-493 111

ALL INDIA COUNCIL FOR TECHNICAL EDUATION
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070
Website: www.aicte-india.org

MANDATORY DISCLOSURE BY INSTITUTIONS REUNNING AICTE APPROVED BE PROGRAMMES TO BE INCLUDED IN THEIR RESPECTIVE INFORMATION BROUCHURE, DISPLAYED ON THEIR WEBSITE AND TO BE SUBMITTED TO AICTE EVERY YEAR

The following information is to be given in the Information Brochure besides being hosted on the Institution's official Website.

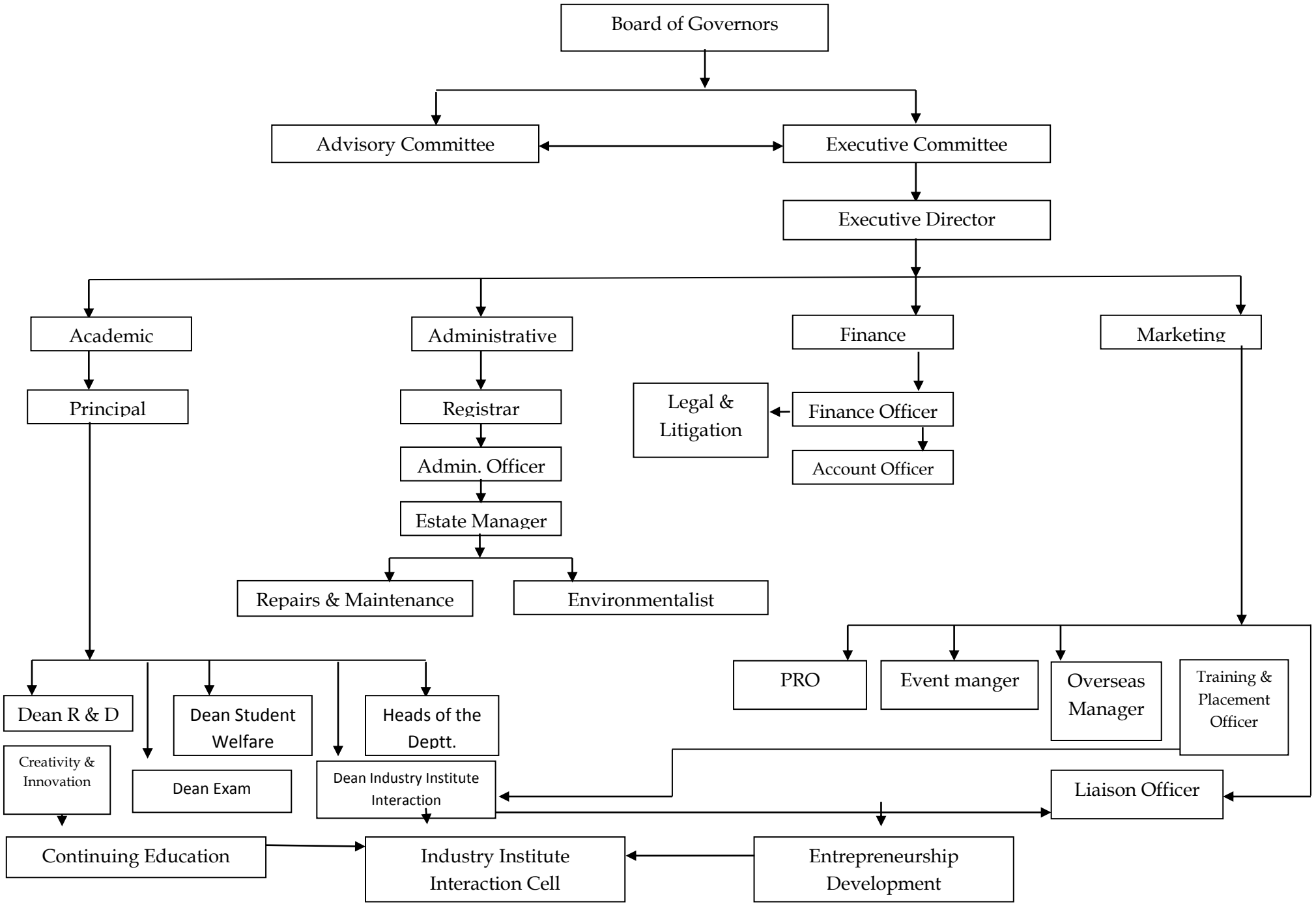
"The onus of authenticity of the information lies with the institution ONLY and not on AICTE"

01.	**Name of Institution** Address including Telephone, Mobile, E-Mail	:	**COLUMBIA INSTITUTE OF ENGINEERING AND TECHNOLOGY** Village- Tekari, Post- Mandhar, Near Vidhansabha, Raipur (C.G.)- 493 111 Telephone- 740077788 Mobile No- 7400666777 Fax No- 0771-4004681 Email- info@cietraipur.ac.in Website – www.cgiraipur.org
02.	**Name and address of the Trust/ Society/ Company and the Trustees** Address including Telephone, Mobile, E-Mail	:	**JANPRAGATI EDUCATION SOCIETY (JPES)** 3rd Floor Laxmi Plaza, Opp. Electricity Office, Budha Para, Raipur (C.G.)- 49 2001 Telephone Number- 0771- 4004682 Fax No- 0771-4004681 Email – info@cietraipur.ac.in
03	**Name and Address of the Vice Chancellor/ Principal/Director** Address including Telephone, Mobile, E-Mail	:	**Dr. S. K. Moulick (Principal)** Columbia Institute of Engineering and Technology Vill- TEkari, Post- Mandhar, Near Vidhansabha, Raipur (C.G.) -493 111 Office Number- 7400777888 Mobile Number- 8918357310 Email-principal@cietraipur.ac.in
04	**Name of the affiliating University**	:	**Chhattisgarh Swami Vivekanand Technical University** Newai, P.O.-Newai, District- Durg (Chhattisgarh), PIN-491107

05	**Governance**		
•	**Members of the Board and their brief background :-** a) Shri Kishore Jadwani — Chairman b) Shri Vijay Jadwani — Vice-Chairman-JPES c) Shri Harjeet Singh Hura — Secretary-JPES d) Shri Ravindra Singh Hura — Treasure -JPES e) Dr. S.K.Moulick — Member Secretary f) Regional Officer — AICTE-Member g) Director — Directorate of Technical Education h) Registrar — C.S.V.T. University, Bhilai i) Mr.B.D.Dhar — Industrialist j) Nominee of State Government k) Dr.Ravindra Pandey — Principal- CIP **l)** Dr. Surendra Saraf — Principal-C**CP**		
•	**Members of Academic Advisory Body** a) Shri Kishore Jadwani — Chairman-JPES b) Shri Vijay Jadwani — Vice- Chairman –JPES c) Shri Harjeet Singh — Secretary-JPES d) Shri Ravindra Singh Hura — Treasure -JPES e) Dr. S.K. Moulick — Principal-CIET f) Dr.Arun Kumar Dubey — Educationist g) Dr.Vinay Kumar Soni — Associate Professor-CIET h) Dr. Ravindra Pandey — Principal-CIP i) Prof. Surendra Saraf — Principal-CCP j) Prof. Shiv Shankar Shukla — Reader-CIP k) Mr.Manish Kumar Verma — Asst. Professor -CIET **l)** Mr.Uday Kumar Rajak — Asst. Professor –CIET **m)** Mrs.Sushree Mahapatra — Asst. Professor –CIET		
	Frequently of the Board Meeting and Academic Advisory Body	:	**Annual**

- Organizational Chart

Organization Structure & Chart



•	**Nature and Extent of involvement of Faculty and students in academic affairs/improvements**	:	• Lesson plan is prepared according to the syllabus so that it paves way to complete the syllabus within the scheduled time. • Unit-wise notes are prepared well in advance, so that the staff concerned is more confident in handling the classes and clearing the doubts raised by the students. • Regular staff meeting with principal/director is arranged once in a month to discuss the syllabus completion, innovations, ideas, etc
•	**Mechanism/ Norms and Procedure for democratic/ good Governance**	:	• Absent without prior permission is not permitted. Leave applications should be submitted to the sanctioning authority through available software well in advance. • Strict disciplinary action will be taken in case of unauthorized absence and violation of rules. • Ragging in any form is prohibited in the college. Strict disciplinary action will be taken against the indulge. • Students are instructed to attend the college decently dressed. • During special occasions and practical classes students should wear prescribed uniform. Like such norms and procedures are followed in order to maintain good governance in the college.
•	**Student Feedback on Institutional Governance/ Faculty performance**	:	• Feedback from students are collected at regular intervals in oral form by Principal, HODs and in standard prescribed format as

			a written document. • Feedback report taken from the students is analyzed and accordingly necessary measures will be taken • Students are free to meet the HOD/Principal to express their views on the mater related to academics any time.
•	**Grievance Redressal mechanism for Faculty, staff and students**		• A free atmosphere has been created to express the views of students, staff and faculty. • Grievance redressal cell has been created to hear the problems of the students. • Compliant boxes have been put at prominent places inside the college campus • The phone numbers and email IDs have been made available to the students for any sort of grievances at any time. • Students are free to send email which are given due importance. • Proctorial board has been formed to sort out problems encountered by the students.
•	**Establishment of Anti Ragging Committee**	:	Yes
•	**Establishment of Online Grievance Redressal Mechanism**	:	Yes
•	**Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University**	:	Yes

•	**Establishment of Internal Complaint Committee (ICC)**	:	Yes
•	**Establishment of Committee for SC/ST**	:	Yes
•	**Internal Quality Assurance Cell**	:	Yes

6	Programmes	
	Name of Programmes approved by AICTE	Diploma Civil
		Diploma Electrical
		Diploma Mechanical
		B.Tech- Civil
		B.Tech-Mechanical
		B.Tech-Data Science
		B.Tech- AI
		B.Tech- Computer Science
		B.Tech- Electrical & Electronics
		MBA
		M.Tech- Thermal
		M.Tech- Computer Technology
	Name of Programmes Accredited by NBA	Under Process
	Total number of Courses	05
	No. of Courses for which applied for Accreditation	Nil
	Status of Accreditation	Nil
7	For each Programme the following details are to be given(Preferably in Tabular form):	
	Name	**Diploma Civil**
	Number of seats	60

	Duration	03 Year
	Fee (as approved by the state government)	18289/-Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
	Name	**Diploma Electrical**
	Number of seats	60
	Duration	03 Year
	Fee (as approved by the state government)	18289 Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
	Name	**Diploma Mechanical**
	Number of seats	60
	Duration	03 Year
	Fee (as approved by the state government)	18289/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
	Name	**B.Tech-Civil**
	Number of seats	60
	Duration	04 Year
	Fee (as approved by the state government)	34865/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)

	Name	**B.Tech-Mechanical**
	Number of seats	60
	Duration	04 Year
	Fee (as approved by the state government)	34865/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
	Name	**B.Tech-Data Science**
	Number of seats	30
	Duration	04 Year
	Fee (as approved by the state government)	34865/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	
	Name	**B.Tech-AI**
	Number of seats	30
	Duration	04 Year
	Fee (as approved by the state government)	34865/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	
	Name	**B.Tech-Computer Science**
	Number of seats	120
	Duration	04 Year
	Fee (as approved by the state government)	34865/- Per Semester
	Placement Facilities	Yes

	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
	Name	**B.Tech- Electrical & Electronics**
	Number of seats	60
	Duration	04 Year
	Fee (as approved by the state government)	34865/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
	Name	**MBA**
	Number of seats	45
	Duration	02 Year
	Fee (as approved by the state government)	32050/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
	Name	**M.Tech- Thermal**
	Number of seats	07
	Duration	02 Year
	Fee (as approved by the state government)	34875/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
	Name	**M.Tech- Computer Techanololgy**
	Number of seats	07
	Duration	02 Year

	Fee (as approved by the state government)	34875/- Per Semester
	Placement Facilities	Yes
	Campus placement in last three years with minimum salary ,maximum salary and average salary	1.8 LPA (Minimum) 2.4 LPA (Average) 3.0 LPA (Maximum)
8	Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details:	We do not have any Twinning and Collaboration with Foreign University(s). Hence, it is NOT APPLICABLE for us.
	Details of the Foreign University	
	Name of the University	
	Address	
	Website	
	Accreditation status of the University in its Home Country	
	Ranking of the University in the Home Country	
	Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country	
	Nature of Collaboration	
	Conditions of Collaboration	
	Complete details of payment a student has to make to get the full benefit of Collaboration	

01. Programmes

Name and duration of Programme(s)having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details: **NOT APPLICABLE**

02. Faculty

Course/Branch wise list Faculty members:

- Permanent Faculty : 96
- Adjunct Faculty : Nil
- Permanent Faculty: Student Ratio : 1: 20
- Number of Faculty employed and left during the last three years : 38

03. Profile of Director / Principal / Faculty

- For each Faculty give a page covering with Passport size photograph

Profile of Principal

- Name : Dr.Sankar Kumar Moulick
- Date of Birth : 06/05//1963
- Unique ID : 1-4637434759
- Education Qualification : Ph.D/M.Tech/MBA/BE
- Work Experience
  - Teaching : 25 years
  - Research : 10 Year
  - Industry : 10 Year
  - Others : NA
- Area of Specialization : Mechanical Engineering
- Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level : Machine Design – I, Machine Design – II, Engineering Mechanics, Theory of Machines, Dynamics of Machines, Strength of Materials, Powerplant Engineering.
- **Research guidance (Number of Students): 57 – UG/PG/Ph.D level**
  - No. of papers published in National/ International Journals/ Conferences
    - National : 14
    - International : 15
    - Conferences : 03
  - Master (Completed/Ongoing) : 17
  - Ph.D. (Completed/Ongoing) : 01
- **Projects Carried out : Nil**
- Patents (Filed & Granted) : Nil
- Technology Transfer : Nil

- Research Publications (No.of papers published in National/International Journals/Conferences) : 29
- No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : 01

Profile of Faculty
www.cietraipur.ac.in

04. Fee

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

SL.No	PARTICULARS	DIPLOMA	B.TECH	MBA	M.TECH
01	Tuition Fee / Semester (Including Growth & Development Charges & Others Fee)	18289	34865	32050	34875
02	University Sports Fee / Year	250	250	250	250
03	Caution Money - One Time (Refundable)	1500	1500	1500	1500

- Time schedule for payment of Fee for the entire Programme
- Candidates have to pay the semester fees within 15 days from the date of commencement of classes and release of notice for fee payment.
- No. of Fee waivers granted with amount and name of students - Nil
- Number of scholarship offered by the Institution, duration and amount- Nil
- Criteria for Fee waivers/scholarship – NA
- Estimated cost of Boarding and Lodging in Hostels - 23000/- per sem
- Any other fee please specify NA

05. Admission

- Number of seats sanctioned with the year of approval

BRANCH	2021-22	2022-23	2023-24
DIPLOMA CIVIL	60	60	60
DIPLOMA MECHANICAL	60	60	60
DIPLOMA ELECTRICAL	60	60	60
B.TECH-CSE	60	120	120
B.TECH-EEE	60	60	60
B.TECH-MECHANICAL	60	60	60
B.TECH-CIVIL	60	60	60
B.Tech- Data Science	-	-	30
B.Tech-AI	-	-	30
MBA	-	60	60
M.TECH-THERMAL	-	07	07
M.TECH-COMPUTER TECHNOLOGY	-	07	07

06. Admission Procedure

- Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)
  CGPET conducted by CG VYAPAM
  Counselling done by CGDTE
  CGVYAPAM Chhattisgarh Professional Examination Board Raipur
  Vyapam Bhavan, North Block, Sector- 19 ATAL NAGAR (C.G.)492001 Email :- helpdesk.cgvyapam@gmail.com
  Website :- https://vyapam.cgstate.gov.in

- Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)
  JEE QUOTA: 10%
  STATE QUOTA: 75%
  MANAGEMENT QUOTA: 10%
- Calendar for admission against Management/vacant seats:
  - Last date of request for applications: As per DTE Guideline
  - Last date of submission of applications: As per DTE Guideline
  - Dates for announcing final results: As per DTE Guideline
  - Release of admission list (main list and waiting list shall be announced on the same day): As per DTE Guideline
  - Date for acceptance by the candidate (time given shall in no case be less than 15days): As per DTE Guideline
  - Last date for closing of admission: As per DTE Guideline
  - Starting of the Academic session: As per University Academic Calander.
  - The waiting list shall be activated only on the expiry of date of main list: **NO WAITING LIST**
  - The policy of refund of the Fee, in case of withdrawal, shall be clearly notified: RS 1000 Deduction as per guidelines of **CGDTE**

07. Criteria and Weightages for Admission

- Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

NAME OF COURSE	NAME OF ENTRANCE/QUALIFYING	MINIMUM MARKS FOR	MINIMUM QUALIFYING

	EXAMINATION	UR CANDIDATE (%)	MARKS FOR SC/ST/OBC/PWD CANDIDATE OF CHHATTISGARH(%)
BACHELOR OF ENGINEERING(BE/BTECH)	PET	10	5
	JEE MAIN	Final NTA Score more than 0	Final NTA Score more than 0

- Mention the minimum Level of acceptance, if any
  FOR UR MINIMUM PCM MARKS IN 12TH 45%
  FOR SC/ST/OBC PCM MARKS IN 12TH 40%

- Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years:
  in CGPET – 10% MARKS
  In JEE – above 0 marks

- Display marks scored in Test etc. and in aggregate for all candidates who were admitted:
  CGPET – MINIMUM 15 MARKS
  JEE - +VE MARKS MEANS ABOVE 0 MARKS

08. List of Applicants

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

09. Results of Admission Under Management seats/Vacant seats

- Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)
  Dr. SANKAR KUMAR MOULICK (PRINCIPAL-CIET)
  Mr.MANISH KUMAR VERMA- CIET
  Mr.UDAY RAJAK-CIET
  Mr. GARGI SHANKAR VERMA- CIET

- Score of the individual candidate admitted arranged in order or merit

S.No	Name of Student	Admitted Quota	Eligibility Exam	Branch
1	BHARAT BRAHMBHATT	MQ	PET 2021	B.Tech-Civil
2	SHASHI SAHU	MQ	JEE(MAINS) 2021	B.Tech-Civil
3	VIVEK YADU	MQ	PET 2021	B.Tech-Civil
4	AARTI RATHORE	MQ	PET 2021	B.Tech-Cse
5	CHANDAN BALA RAMPURIA	MQ	JEE(MAINS) 2021	B.Tech-Cse
6	RAVICHARAN RATHOUR	MQ	PET 2021	B.Tech-Cse
7	SAGAR DAS	MQ	PET 2021	B.Tech-Cse
8	T SHUSHANT RAO	MQ	PET 2021	B.Tech-Cse
9	TRUPTI FAYE	MQ	JEE(MAINS) 2021	B.Tech-Cse
10	MAYANK KSHATRIYA	MQ	PET 2021	B.Tech-Eee
11	VIMAL CHAUDHARI	MQ	PET 2021	B.Tech-Eee
12	AMIT MANIKPURI	MQ	PET 2021	B.Tech-Et&t
13	RAGINI YADAV	MQ	PET 2021	B.Tech-Et&t
14	ARARSH KUMAR TRIPATHI	MQ	JEE(MAINS) 2021	B.Tech-Mech
15	ASHISH KUMAR VERMA	MQ	PET 2021	B.Tech-Mech
16	MAYANK KAUSHAL	MQ	PET 2021	B.Tech-Mech
17	OMPRAKASH VERMA	MQ	PET 2021	B.Tech-Mech
18	SAURABH SONWANI	MQ	PET 2021	B.Tech-Mech
19	mOHD ABDULLAH KHAN	MQ	DIPLOMA (ENGINEERING)	B.Tech-Civil
20	SAGAR PURNMAL BHACHAWAT	MQ	DIPLOMA (ENGINEERING)	B.Tech-Civil
21	SUCHIT KUMAR DAS	MQ	DIPLOMA (ENGINEERING)	B.Tech-Civil
22	SATYAM KUMBHKAR	MQ	DIPLOMA (ENGINEERING)	B.Tech-Civil
23	KHEMRAJ SAHU	MQ	DIPLOMA (ENGINEERING)	B.Tech-Civil

24	ATEET KUMAR	MQ	DIPLOMA (ENGINEERING)	B.Tech-Civil
25	AMIT KUMAR YADAV	MQ	DIPLOMA (ENGINEERING)	B.Tech-Civil
26	RAJU KUMAR YADAV	MQ	DIPLOMA (ENGINEERING)	B.Tech-Eee
27	SAGAR KUMAR	MQ	DIPLOMA (ENGINEERING)	B.Tech-Eee
28	DIGESHWAR PRASAD VERMA	MQ	DIPLOMA (ENGINEERING)	B.Tech-Eee
29	DURGESH KUMAR SAO	MQ	DIPLOMA (ENGINEERING)	B.Tech-Eee
30	ROSHNI PARVEEN	MQ	DIPLOMA (ENGINEERING)	B.Tech-Et&t
31	SWETA SHRIVASTAVA	MQ	DIPLOMA (ENGINEERING)	B.Tech-Et&t
32	GIRIDHAR PRASAD MAHILANG	MQ	DIPLOMA (ENGINEERING)	B.Tech-Mech
33	CHANDRAHAS KURRE	MQ	DIPLOMA (ENGINEERING)	B.Tech-Mech
34	BHOOPENDRA BHONSLE	MQ	DIPLOMA (ENGINEERING)	B.Tech-Mech
35	LOKESH KUMAR SAHU	MQ	DIPLOMA (ENGINEERING)	B.Tech-Mech

- List of candidate who have been offered admission

  SAME AS ABOVE

- Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate Nil
- List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

LIST OF CANDIDATE WHO JOINED WITHIN THE DATE SAME AS ABOVE, VACANCY POSITION IS NIL

10. Information of Infrastructure and Other Resources Available

- Number of Class Rooms and size of each - 32 Nos @ 66 Sqmtr.
- Number of Tutorial rooms and size of each - 09 Nos @ 33 Sqmtr.
- Number of Laboratories and size of each - 76 Nos @ 66 Sqmtr.
- Number of Drawing Halls with capacity of each 02 Nos @ 132 Sqmtr.
- Number of Computer Centres with capacity of each 06 Nos @ 150 Sqmtr.
- Central Examination Facility, Number of rooms and capacity of each- 01 Nos @ 30 Sqmtr.
- Online examination facility (Number of Nodes, Internet bandwidth, etc.)- 200
- Barrier Free Built Environment for disabled and elderly persons- Yes, available

- Occupancy Certificate - Already Uploaded on AICTE portal under attachment tab
- Fire and Safety Certificate - Already Uploaded on AICTE portal under attachment tab
- Hostel Facilities - Yes, available

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

Programme	Library Books	Titles	Journals
Engineering & Technology	29529	4680	65
Management	13129	1585	14

- List of online National/ International Journals subscribed
  - National - 60
  - International Journals - Desirable
- E- Library facilities
  - E-books - 2200
  - E-Journals - DELNET
- National Digital Library(NDL) subscription details
  - Name of the Institute - CIET Raipur
  - User ID - INCTNC4RMUCYUE8

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

List of Lab Equipment

S. No	Branch	Name Of Lab	Name Of Equipment	Qty	Remarks
01		Used In All Labs	Analog Multi-Meter (Priya P-3)	5	
			C. R. O. µ Tek Oscilloscope Obc 5030a, 30 Mhz	3	
			C. R. O. Ap lab, 30 Mhz	5	
			C. R. O. Mega Scope, 30 Mhz Caddo 803	10	
			Digital Millimeter (Ap lab)	4	
			Digital Multi-Meter, (Uni-T) Mas830l*	14	
			Dual Output Regulated Dc Power Sully Td3202d, (Ap lab)	7	
			Fixed Power Supplied, Ad01, (Scientech)	9	
			Function Generator : Model Fg2md, (Ap lab)	4	
02	BE-Mech.	Engineering Mechanics Lab	Bending Moment Apparatus	01	
			Shear Force Apparatus	01	
			Apparatus For Reaction Of Force In Beam	01	
			Single Purchase Winch Crab	01	
			Double Purchase Winch Crab	01	
			Jib Crane Apparatus With Iron Base	01	
			Jib Crane Apparatus With Wood Base	01	
			Compound Screw Jack	01	
			Inclined Plane Superior Quality Combined Inclined Plane And Friction	01	
			Joint Trusses	01	
			V Pulley & Rope Pulley	01	
			4 Weight Of 1 Kg. Each & 1 Hanger	06	
			Ring Type (Conical Type Weight 1 Kg)	10	
			Ring Type Weight 2 Kg	05	
			Ring Type Weight 5 Kg	05	
			Weight Box Iron Up To 1 Kg	10	
			1/2 Kg 4 Weight 1/2 Kg Each & Hanger	01	
			Polygon Of Force Apparatus With Iron	01	

			Slotted & Pan		
			Triangle & Parallelogram Of Force Apparatus	01	
			Single Stage Spur Gear	01	
			Single Stage Spur Gear With Intermediate	01	
			Two Stage Spur Gear	01	
			Three Stage Spur	01	
			Single Stage Bevel Gear	01	
			Single Stage Helical Gear	01	
			Single Stage Spiral Gear	01	
			Crank & Connecting Rod Modal	01	
			Screw Jack (Small Size)	01	
			Inclined Plane Normal Quality	01	
			Model Of Belt Pulley	01	
			Polygon Of Force Apparatus	01	
			Connecting Rod	01	
03		Material Testing Lab	Universal Testing M/C (40mt)	01	
			Impact Testing M/C	01	
			Rockwell Cum Brinell Hardness Testing M/C	01	
			Torsion Testing M/C	01	
04		Mechanical EngineeringLab: Workshop	Center Lathe	05	
			Shaper Machine	01	
			Drilling Machine	01	
			Carpentry Vice	22	
			Fitting Vice	28	
			Molding Box	07	
			Arc Welding	02	
			Gas Welding	01	
05		Fluid Mechanics Lab	Bernoulli's Theorem Apparatus	01	
			Impact Of Jet On Vane Apparatus	01	
			Apparatus For Measuring Frictional Losses In Pipe Lines	01	
			Apparatus For Determination Of Minor Losses In Pipe Lines	01	
			Apparatus For Determination Of Met Centric Height	01	

			Reynolds's Apparatus*	01	
			Venturi meter Test Rig	01	
06		Thermodynamics Lab	Model Of Lancashire Boiler	01	
			Model Of Cochran Boiler	01	
			Model Of Babcock Wilcox Boiler	01	
			Super Heater	01	
			Steam Engine With D- Slide Valve	01	
			Spring Loaded Safety Valve	01	
			Throttle Valve	01	
			Stop Valve Hopkinson Type	01	
			Blow Off Cock	01	
			Feed Check Valve	01	
			Lever Safety Valve	01	
			Dead Weight Safety Valve	01	
			Pressure Gauge	01	
			Fusible Plug	01	
07		Mechanical Measurement & Metrology Lab	Displacement Measurement Tutor Using Lvdt	01	
			Pressure Measurement Tutor Using Pressure Transducer	01	
			Temperature Measurement Tutor Using Thermocouple	01	
			Vernier Caliper	01	
			Vernier Height Gauge	01	
			Depth Micrometers	01	
			Set Pf Slip Gauges	01	
			Sine Bar	01	
			Combined Set	01	
			Surface Plates	01	
			Dial Indicators	01	
			Snap Gauges 25 Mm Double Ended	01	
			Plain Plug Gauge25mm Double Ended	01	
			Ring Gauge25mm	01	
08		Lab: Computer Graphics	Computer Lab	30	
			Model Of Four Stroke Petrol Engine	01	

09		Lab: Internal Combustion Engine	Model Of Four Stroke Diesel Engine	01	
			Carburetors In Cut Section	01	
			Bosch Fuel Pump In Cut Section.	01	
			Four Stroke Single Cylinder Diesel Engine Test Rig	01	
			Four Stroke Multi Cylinder Petrol Engine Test Rig	01	
			Or Sat Apparatus	01	
10		Lab: Fluid Mechanics	Bernoulli's Theorem Apparatus	01	
			Impact Of Jet On Vane Apparatus	01	
			Apparatus For Measuring Frictional Losses In Pipe Lines	01	
			Apparatus For Determination Of Minor Losses In Pipe Lines	01	
			Apparatus For Determination Of Met centric Height	01	
			Reynolds's Apparatus	01	
			Venturi meter Test Rig	01	
11		Kinenametics Of Machine Lab	Inversion Of Four Bar Mechanism Model	01	
			Internally Expanding Brake Model	01	
			Cam Analysis Apparatus	01	
			Pressure Distribution In Journal Bearing	01	
			Pantograph Apparatus	01	
12		Lab: Dynamics Of Machine	Universal Vibration Apparatus	01	
			Whirling Of Shaft Apparatus	01	
			Balancing Apparatus (Both Static & Dynamic)	01	
			Epicyclical Gear Train And Holding Torque Apparatus	01	
			Gyroscope Apparatus	01	
			Governor Apparatus With Differential Attachments	01	
13		Lab: Machine Design-I	Drawing Table	60	
14		Lab: Machine Design-II	Drawing Table	60	
		Lab: Computer Aided Design	P-Iv (Ibm) 2.6 Ghz, 80 Gb Hdd,256/512 Sd Ram(Compatible With Cad Software), 52 X Cd Rw, 1.44 Mb Fdd,	40	

15			17" Colour Monitor, Laser Scroll Mouse		
16		Lab: Energy Conversion System	Reciprocating Air Compressor Test Rig	01	
			Solar Collector	10	
17		Lab: Automobile	Working Model Of Single Plate Centrifugal Clutch	01	
			Working Model Of Multi-Plate	01	
			Working Model Of Centrifugal Clutch	01	
			Working Model Of Actual Differential System	01	
			Working Model Of Universal Joint, Axles & Slip Joints	01	
			Working Model Of Mechanical Brake	01	
			Working Model Of Hydraulic Brake	01	
			Working Model Of Air Brake	01	
			Working Model Of Steering System Used With Rigid Axle Suspension System	01	
			Working Model Of Steering System Used With Independent Suspension System	01	
			Different Types Of Springs Used In Automobiles	01	
			Working Model Of Rigid Axle Suspension System	01	
			Working Model Of Front Independent Suspension System	01	
			Working Model Of Battery, Staring And Generating System Along With Charging Unit	01	
			Cut Section Model Of Mock Layout Maruti Car Wiring(Electrical System)	01	
			Mock Layout Of A Two-Wheeler Wiring(Electrical System)	01	
			Cut Section Of Actual Master Cylinder Of Hydraulic Brake System	01	
		Machine Shop	Ring Spanner	01	
			Fit Spanner	01	
			Cutting Tool Holder	05	
			Cutting Tool	07	
			Cutting Tool	01	
			Filler Gauge	01	
			Screw Pitch Gauge	01	
			Steel Rule	01	
			Steel Rule	01	

18			L&Key Set	01	
			Center Punch	01	
			Out Side Caliper	01	
			In Side Caliper	01	
			Pliers	01	
			Screw Driver	01	
			Pipe Wrench	01	
			Slide Wrench	01	
			Learning Tools	01	
			Marking Block	03	
			Machine Vice	01	
			Electric Hand Drill Machine	01	
			Vernier Caliper	01	
			Drill Bit Set	01	
			Smooth File	02	
			Half Round File	01	
			Drill Chuck	01	
			Dad Center	02	
			Diamond Tools	03	
			Drill Bit	01	
			Drill Bit (Hss)	02	
			Drill Bit (Hss)	03	
			Drill Bit (Hss)	01	
			Drill Bit (Hss)	01	
			Drill Bit (Hss)	03	
			Drill Bit (Hss)	06	
			Drill Bit (Hss)	01	
			First Aid Box	01	
			Cross Pin Hammer	01	
			Hammer	01	
			Tape	01	
			Tape	01	
			Tape	01	
			Tape	01	

			Tape	01	
			Tape	01	
			Tape	01	
			Measuring Tap	01	
			Screw Driver	01	
			Round File	01	
			Cutting Tool	02	
			Lathe Machine	04	
			Lathe Machine	01	
			Shaper Machine	01	
			Power Hacksaw Machine	01	
			Grinder Machine	01	
			Drill Stand	01	
			Diamond Center	01	
			Diamond Beat Tool	01	
			Diamond Tool	01	
			Drill Chuck	01	
			Learning Tool Single	01	
			Parting Tool	01	
			Parting Tool Holder	01	
			Revolving Center	01	
			Center Punch	02	
			Divider	01	
			Drill Sleeve	01	
			Dock Chuck With Rod	01	
			Shear Machine	01	
19		Lab: Manufacturing Practice	Center Lathe	05	
			Shaper Machine	01	
			Drilling Machine	01	
			Carpentry Vice	22	
			Fitting Vice	28	
			Moulding Box	07	
			Arc Welding	02	
			Gas Welding	01	

20		Robotics Lab	Servo Motion Setup	01	
			IR Proximity Senor	01	
			Ultrasonic Range Finder	01	
			5- Axis Industrial Manipulator	01	
			Computer Controlled Pick & Place Robot	01	
			Wooden Models	01	
21		Refrigeration and Air Conditioning Lab	Refrigeration Test Rig	01	
			Mechanical Heat Pump	01	
			Air Conditioning Test Rig	01	
			Cooling Tower Test Rig	01	
			Cut Section of Hermitically Sealed Compressor	01	
			Air Water Heat Pump Test Rig	01	
22		Fitting Shop	Bench Vice	28	
			Hexa Frame	15	
			File Smooth	10	
			File Smooth	08	
			File Bastard	10	
			File Bastard	10	
			File Bastard	10	
			File Square	05	
			Try Square Engineering	06	
			Steel Rule	07	
			Chisel	10	
			Center Punch	01	
			Number Punch	01	
			Letter Punch	01	
			Scriber	05	
			Triangular File	10	
			File Card	01	

			Hammer	01	
			Square File Bastard	05	
			Triangular File Smooth	04	
			Half Round File	04	
			Scraper Flat	01	
			Scraper Triangular	01	
			Scraper Half Round	01	
			Round File	01	
			Out Side Caliper	01	
			In Side Caliper	01	
			Divider	01	
			Tape Handle	01	
			Drill Bit	05	
23		Carpentry Shop	Carpentry Vice	24	
			Rip Shaw	15	
			Oil Can	01	
			Wooden Hammer	04	
			Ball Pen Hammer	07	
			Cross Pan Hammer	04	
			Try Square	13	
			Square File Smooth	01	
			Square File Rough	04	
			Flat File Bastard	08	
			Flat File Smooth	02	
			Half Round File	03	
			File Rasp Cut	05	
			Former Chisel	08	
			Motorized Chisel	11	
			Steel Rule	10	
			Drill Bit Set (Carpentry)	01	
			Carpentry Hand Drill (Electric)	01	
			Jack Planner	08	
			Flat File Bastard	03	
			Speed Level	01	

			Gimlet	01	
			File Card	01	
			Marking Gauge	03	
			Carpentry Hand Drill	01	
24		Welding Shop	Hand Screen	06	
			Helmet Welding	02	
			Tong Round	05	
			Tong	05	
			Chipping Hammer	06	
			Wire Brush	02	
			Smooth File	01	
			Slide Wrench	01	
			Liter	01	
			Ball Pan Hammer	03	
			Hammer	01	
			Try Square	02	
			Cylinder Key	01	
			Gas Welding Torch	02	
			Hand Globe	05	
			Welding Holder	05	
			Hand Grinder Machine	01	
			Apron	05	
			Gas Welding Filler Rod	01	
			Are Welding Machine	02	
			Welding Machine Portable	01	
			Gas Welding	01	
			Anvil	04	
			Adjustable Wrench	01	
25		Moulding Shop	Moulding Box	08	
			Moulding Pattern	08	
			Runner Riser	16	
			Travel	01	
26	BE- E&Tc	Basic Electronics Lab	Function Generator	01	
			Cro	10	

			Cb,Cc.Ce Transistor	02	
			Semiconductor Diode Characteristics Unit	01	
			Dc Power Supply	09	
			Rectifier Kit	01	
			Digital Millimeter	08	
			B.J.T. Biasing Trainer (All Types) Model: Se- 107	1	
			Diode & Zener Diode Characteristics Model:- Sa-103	1	
			F.E.T. Characteristics Model :- Sa- 114	1	
			Half, Full Wave & Bridge Rectifier With & Without Filter Model:- Sb-120	1	
			Rc Low, High & Band Pass Filter Model:- Se-134	1	
			Transistor Characteristics In Ce /Cb /Cc Model:-Sa-131	2	
			Zener Diode As Shunt Voltage Regulator Model:-Sb-104	1	
27		Analog Electronic Circuit Lab	Analog Lab St2612, (Scientech)	4	
			Common Emitter Amplifier Ab15, (Scientech)	1	
			Darlington Pair Ab14, (Scientech)	1	
			Phase Shift Oscillator Ab65, (Scientech)	1	
			Push-Pull Emitter Follower Clast B Amplifier Ab22, (Scientech)	1	
			Rc Coupled Amplifier Ab 18, (Scientech)	1	
			Rc Coupled Amplifier With Feedback Ab 64, (Scientech)	1	
			Wien Bridge Oscillator Ab66, (Scientech)	1	
			Transistor Characteristics Common Base Npn (Ab-02)	1	
			Transistor Characteristics Common Collector Npn (Ab-06 Scientech)	1	
			Transistor Characteristics Common Emitter Npn (Ab-05 Scientech)	1	
			Transistor Characteristics Common Emitter Pnp (Ab-04 Scientech)	1	
		Advanced Electronic Circuit Lab	A To D Converter, Model Sg 301	1	
			Adaptive Delta Modulation & Demodulation : Sb 237, (Sincom)	1	
			Ask/Fsk/Psk Modulation Trainer, Model Sa 917a, (Sincom)	1	
			D To A Converter (4-Bit) Using R-2r Network, Model Sg 303	1	
			Delt Modulation & Demodulation : Sb 236, (Sincom)	1	

28			Ic 741 As All Pass Filter, Model Sb 512	1	
			Ic 741 As Chebsyhev Low Pass Filter : Sb 513, (Sincom)	1	
			Ic 741 As Low, High & Band Pass Filter : Model Sb 519	1	
			Ic 741 As Sample & Hold Circuit : Model Se 134	1	
			Rc Low, High & Band Pass Filter, Model 516	1	
			Signal Sampling & Reconstruction Trainer : Sb 223, (Sincom)	1	
29		Microcontroller Lab	8251 & 8253 Study Card, (Hi-Q)	1	
			8255 Study Card, (Hi-Q)	1	
			8259 Study Card, (Hi-Q)	1	
			8279 Study Card, (Hi-Q)	1	
			Adc Interface, (Hi-Q)	1	
			Dual Dac Interface, (Hi-Q)	1	
			Nv5585 Advanced 8085 Microprocessor Trainer	1	
			Power Supply Trainer (Nv-6003 Nvis Technology)	1	
			Real Time Clock, (Hi-Q)	1	
			Stepper Motor Interface, (Hi-Q)	1	
			8 Channel 8-Bit Adc Module (Nvis Im09)	1	
			8×8 Led Matrix Display Module (Nvis Im03)	1	
			8212 8-Bit I/P Port Study Module (Nvis Em08)	1	
			8255 Programmable Peri Pheral Interface Study Model (Nvis Em03)	1	
			Seven Segment-Display Module (Nvis Im04)	1	
			Temperature Measurement Module (Nvis Im14)	1	
			Trabbic Light Controller Module (Nvis Im13)	1	
30		Advanced Microprocessor Lab	8086 Microprocessor Kit (Kitek)	5	
31		Microcontroller Lab	8051 Microcontroller Trainer, (Hi-Q)	5	
			8085 Microprocessor Trainer Kit (Nvis Technologies)	5	
32		Electronics Workshop	4007 Silicon Diode	10	
			5402 Diode	10	
			6a Diode	10	
			Fet	05	

			Mosfet	05	
			Npn,Pnp Transistor	20	
			Pcb Drilling Machine	01	
			Resistor	20	
			Zener Diode	30	
33		Workshop Lab	De-Soldering Pump	6	
			Diagonal Cutter	4	
			Drilling Machine	1	
			Gp Super Cell	10	
			Multitech (0.18 To 1.2 Mm) Copper Wire Cut No. Iron Wire Pat	4	
			Nose Player	4	
			Soldering Iron Set, (25 W)	11	
			Soldering Paste	11	
			Transformer, (Mix-V)	10	
			Wire Stripper & Cutter	4	
			Wire Stripper & Cutter Mulitec : 1508	1	
			Zero Pcb, (K 0-100)	20	
34		Microwave Lab	Gunn Power Supply : Xgps 6102, (Hi-Q)	1	
			Klystron Powers Supply : Xkps 6101, (Hi-Q)	2	
			Vswr Meter : Xvswr 6103, (Hi-Q)	3	
35		Digital Electronics	Analog-Digital Trainer Kit (Anshuman)	5	
			Bread Board Panel	5	
			Digital Logic Gates Expt. Panel /P 12 (Anshuman)	2	
			Flip Flops Counter, Shift Register Exp. Panel P/13	1	
			Half Adder, Full Adder Alu Expt. Panel 8/15 (Anshuman)	1	
			Multiplexer, Decoder, Encoder Exp. Panal P/14	1	
36		Digital Signal Processing Lab	Vpl (InfoTech) Trainer Kit (Dsp)	2	
37		Analog Electronics	Power Supply	09	
			Transistor Characteristics Kit (Cb)	01	
			Transistor Characteristics Kit (Ce)	01	
			Transistor Characteristics Kit (Cc)	01	
			Transistor Characteristics Kit (Pnb)	01	

			Common Emitter Amplifier	01	
			Rc Coupled Amplifier	01	
			Push Pull Amplifier	01	
			Darlington Pair Circuit	01	
			Rc Coupled Amplifier With Feedback	01	
			Weign Bridge Oscillator	01	
			Phase Shift Oscillator	01	
			Cro	04	
38		Industrial Transducer Lab	Temperature Transducer Trainer Kit	02	
			Lvdt Kit	02	
			Speed Measuring Kit	01	
			Optical Transducer Trainer Kit	02	
			Measurement Of Speed Using Outo Transducer, (Abvolt)	1	
			Optical Transducer Trainer, (Abvolt)	2	
			Temperature Transducer Trainer, (Abvolt)	2	
39		Lica Lab	Diode Clamper	01	
			Diode Clipper	01	
			Voltage Follower & Precision Rectifier	01	
			Monostable Multi vibrator	01	
			Schmitt Trigger	01	
			Comparator	01	
			Bistable Multivibrator	01	
			Multi vabrator	01	
			Bitable Multi vibrator Ab108, (Scientech)	1	
			Diode Clamper Ab89, (Scientech)	1	
			Diode Clipper Ab 88, (Scientech)	1	
			Monostable Multi vibrator (Transistorized) Ab 107, (Scientech)	1	
			Multi vibrators Abs 28, (Scientism)	1	
			Op-Amp Characteristics Trainer, St2322, (Scientism)	2	
			Schmitt Trigger & Compasator Ab45, (Scientech)	1	
			Voltage Follower & Precision Rectifier Ab 113, (Scientech)	1	
40		Micro Processor 8085	8085 Trainer Kit	05	
			8 Channel 8 Bit Adc Module	01	

			8212 8 Bit I/P Port Study Module	01	
			8 X 8 Led Matrix Display Module	01	
			Temperature Measurement Module	01	
41		Communication System Lab	Ask/Fsk/Psk Demodulation Trainer, Model Sa 917b	1	
			Dsb/Ssb Am St2202, (Scientech)	1	
			Dsb/Ssb Am Transmitter Trainer St2201, (Scientech)	1	
			Fdm (Frequency Division) Multiplexing & Demultiplexing : Model Sa 241	1	
			Fdm (Frequency Division) Multiplexing & Demultiplexing : Model Sa 245, (Sincom)	1	
			Fm Communication Trainer St2204, (Scientech)	1	
			Four Channel Analog Tom Trainer St2207, (Scientech)	1	
			Frequency Division Multiplexer/Demulitplexer Trainer St2211, (Scientech)	1	
			Frequency Modulation And Demodulation Trainer: St2203, (Scintech)	1	
			Tdm Pulse Amplitude (2-Channel) Modulation & Demodulation : Sa 243	1	
42	BE-EEE	Network Analysis & Circuit Lab	Function Generator	01	
			Milliamens Theorem	01	
			Ap lab 20 Mhz Dual Trac Oscilloscope	01	
			Pie Network To T-Network	01	
			Rc Low High And Band Pass Filter	01	
			T To Pie Network	01	
			Two Port Network (Abdc,Z-Y, & Abdc)	03	
			Two Port Network Parameter 12v	1	
			[] And T Network Converter 12v	1	
			Two Port Network For Abcd Parameter 12v	1	
			Two Port Network For H&G Parameter 12v	1	

			The venin's And Norton Theorem 12v	2	
			Superposition Theorem 12v	1	
			Maximum Power Transfer Theorem 12v	1	
			The vinen's & Norton's Theorem	01	
43		Control Lab	Dc Servo Motor Control System (Itb-Pecodd-S)	01	
			Stepper Motor Control Trainer (Vsmt-02)	01	
			Transfer Function Of Two Phase Ac Servo Motor (Vpeet-302)	01	
			Control Trainer (Model-Xpo-Pid)	01	
			Process Control Simulator Pcs-01)	01	
			Patch Chords		
			Weight Set	20	
			Stepper Motor Control Trainer 230v,50hz	1	
			Study Of Synchronous Transmitter & Receiver 230v,50hz	1	
			Dc Servo Motor Control System 12v,1500rpm	1	
			Lvdt Trainer Kit 250v,50hz	1	
			Dc Servomotor Torque Speed Charc(Process Control Simulator) 12v,2200rpm	1	
			Chords	03	

44		Power Electronics	Dc Motor Control Using Scr	1	
			Lvdt Trainer	1	
			Study Of Synchronous Transmitter & Receiver	1	
			Lvdt Calibrator	1	
			Stepper Motor Control Trainer	1	
			Dc Servo Motor Control System	1	
			Pmmc	1	
			Dc Servomotor Torque Speed Charc	1	
			Dvm	2	
			Process Control Simulator	1	
			Cro	1	
			Simulation Of Transfer Function Using Opamp	1	
			Energy Meter	1	
			Speed Control Of Dc Motor Using Scr 180v	1	

			Cro I/P 230v,50hz	1	
			Oscilloscope 220v,50hz	2	
			3 Phase Full Wave Controlled Rectifier 415v Line Voltage	1	
			Three Phase Half Wave Control Rectifier 415v Line Voltage	1	
			Characteristics Of Scr,Diac,Traic V_a=40v,V_g=12v	1	
			Scr Converters And Reactive Mods(Single Phase Rectifiers H/F) 30-50v	1	
			Step Up And Step Down Chopper I/P 230v,50hz O/P 0-12v	1	
			Single Phase Parallel Inverter 12v	1	
			Single Phase Series Inverter 12v	1	
			Dual Output Regulated Dc Power Supply 50-200v	1	
45		Lab: Power System Protection And Switch Gear	Protection Of Current Relay 230v,1φ	1	

			Microcontroller Based Over And Under Voltage Relay 230v,1φ	1	
			Rheostat 50Ω,5a	1	
			Fault Simulating Transformer 1φ,230v	1	
			3 Phase Differential Relay 1φ,230v	2	
			Variable Ac Current Source 1φ,230v	1	
			Electro Mechanical Type Over Current Relay Test 1φ,230v	1	
			Electro Mechanical Type Under Voltage Relay Test 1φ,230v	1	
			Rheostat 50Ω,5a	1	
			Ac Motor Protection Relay Test 450v Δ,2.2kw,1435rpm	1	
46		Electrical Measurement And Measuring Instruments	Andersons Bridge (Model Emi006)	01	
			Owens's Bridge (Model Emi003)	01	
			Wheatstone Bridge (Model Emi001)	01	
			Maxwell's Bridge (Model 009)	01	
			De' Sauty's Bridge (Model Emi005)	01	
			Hay's Bridge (Model Emi004)	01	
			Kelvin's Double Bridge (Model Emi002)	01	
			Schering Bridge (Model Emi008)	01	

			Stop Watch	01	
			Energy Meter 230v,50hz	1	
			Schering Bridge I/P230v,50hz, O/P 12v Dc	1	
			Desauty's Bridge I/P 230v,50hz, O/P 12v Dc	1	
			Anderson's Bridge I/P 230v,50hz, O/P 12v Dc	1	
			Owens's Bridge I/P 230v,50hz, O/P 12v Dc	1	
			Hay's Bridge I/P 230v,50hz, O/P 12v Dc	1	
			Maxwell's Bridge I/P 230v,50hz, O/P 12v Dc	1	
			Wheat Stone's Bridge I/P 230v,50hz, O/P 12v Dc	1	
			Kelvin's Bridge I/P 230v,50hz, O/P 12v Dc	01	
			Decade Capacitance Box	01	
47		Basic Elect .Lab	0-50 V	02	
			0-150 V	01	
			0-300 V	01	
			0-15 & 30 V	01	
			0-50 & 100 V	01	
			0-150 & 300v	03	

			0-300 & 600 V	01	
			Frequency Meter	01	
			Pf Meter 1 Phase 5a 250/500v	01	
			Wattmeter		
			300/600v.0-2/5a	02	
			300/600v,0-5/10a	02	
			Rheostat		
			23 Ohm /2.8a	02	
			10 Ohm/5a	01	
			95 Ohm /2.5a	02	
			50 Ohm /4a	01	
			Digital Millimeter	04	
			Dc Motor Shunt	01	
			Induction Motor	01	
			Rectifier Unit	01	
			Energy Meter	02	
			B-H Curve	01	
			Dc Power Supply 0-30v, 3a	02	
			30 MHz Oscilloscope Hm20s	01	
			Decade Resistance Box	01	
			Decade Inductance Box	01	
48		Electrical Machine Lab	Ammeter		
			Dc-30 A	04	
			Dc -05a	04	
			Dc-15a	02	
			Dc-10a	01	
			Voltmeter-Dc 0-600	06	
			Ammeter Ac		
			0-1 A	02	
			0-5a	07	
			0-10 A	05	
			0-15 A	04	
			0-5 A	03	
			0-10 A	02	

			Dc Shunt Motor 3 Hp Point Starter + Field Regulator	01	
			Dc Series Motor 3 Hp With 2 Point Starter + Field Regulator + Loading	01	
			Dc Shunt Motor 3 Hp Coupled With Dc Shunt Generator 2.2 Kw With 3 Point Dc Starter	01	
			Motco Make Dc Variable Rectifier 60 A Output Capacity	01	
			Power Factor Meter	01	
			Transformer		
			3kva 1 Phase	04	
			3 Kva 03 Phase	02	
			Variac 01 Phase	02	
			Variac 3 Phase	02	
			Voltmeter 300 Vdc	06	
			Wattmeter	06	
			Voltmeter Ac 0-500 V	15	
			Voltmeter Axc 0-500 V	04	
			0-300v	6	
			60v	02	
			Dc Shunt Motor 3.7 Kw,1500rpm,220v,20a	4	
			Ac Generator 3.5kva,1500rpm,415v,4.9a	2	
			Alternator 3kva,415v,4.2a,1500rpm	1	
			Synchronous Motor 3 Hp,415v,3.5a,1500rpm	1	
			Induction Motor 3.7 Kw,1500rpm,415v	1	
			Induction Motor 2.2kw,1400rpm,415v,3 Hp,4.7a	1	

			Induction Motor 1.5kw,2.0 Hp,190/240v,9.5a,1440rpm	1	
			Dc Shunt Motor 3hp,10a,1500rpm,230 V	3	
			Dc Shunt Generator 3.7kw,1500rpm,220v,17a	1	
			Dc Shunt Generator 2.2hp,230v,9a,1500rpm	1	
			Single Phase Transformer 3kva,230/230v,50hz	6	
			1 Phase Transformer 2kva,230/115v,50hz	2	
			3 Phase Transformer 3kva,440/230v,50hz	2	
			Ac And Dc Distribution Board 100a	1	
			Rectifier 230v,75a	1	
			1 Phase Variac 15a	4	
			1phase Variac 8a	3	
			1phase Variac 4a	2	
			3 Phase Variac 15a	2	

			3 Phase Variac 30a	1	
			3 Phase Variac 20a	3	
			3 Phase Slip Ring Induction Motor Starter 415v With Variable Rotor Resistance	1	
			3 Point Starter	7	
			2 Point Starter	1	
			Break Drum 50kg	6	
			1 Phase Load Box	7	
			3 Phase Load Box	3	
			Rheostat 200Ω,1.7a	1	
			Rheostat 50Ω,4a	1	
			Rheostat 10Ω,5a	1	
			Rheostat 23Ω,2.5a	1	
			Wattmeter 1500w,600v	2	
			Wattmeter 8800w	1	
			Wattmeter 2000w	1	

			Wattmeter 2500w,20a	2	
			Wattmeter 625w,10a	3	
			Wattmeter 750w,150v	2	
			Wattmeter 125w,50v	1	
			Wattmeter 375w,75v	1	
			Wattmeter 20a,250v	2	
			Wattmeter 600v,5a	3	
			Tachometer 3v,	5	
			Ac Ammeter 20a	1	
			Dc Ammeter 2.4a	1	
			Ac Voltmeter 600v,	1	
			Dc Voltmeter 300v	1	
			1 Phase Energy Meter 230v,50hz	1	

			Dc Ammeter 30a	4	
			Dc Ammeter 5a	4	
			Dc Ammeter 15a	2	
			Dc Ammeter 10a	1	
			Ac Ammeter 1a	2	
			Ac Ammeter 5a	7	
			Ac Ammeter 10a	5	
			Ac Ammeter 15a	4	
			Ammeter 5a	3	
			Ammeter 10a	2	
			Mc Ammeter 2a	5	
			Mc Ammeter 20a	10	
			Mc Ammeter 300a	5	

			Mi Ammeter 5a	8	
			Mi Ammeter 20a	7	
			Power Factor Meter 5a	3	
			Rheostat 300 Ohm,2a	11	
			Rheostat 290 Ohm,1.4a	1	
			Variac 01 Phase 8 Amp	02	
49		Machine Lab	3 Phase Alternator With Coupled Dc Motor 5 Hp /220 V/1500 Rpm/Dc Shunt Motor Coupled With 3 Kva/415v/Star Connected / Separately	01	
			Separate Static Excitation Unit For Alternator	01	
			Field Rheostat For Dc Motor	01	
			3 Point Starter For Dc Motor	01	
			3 Hp/415/1140rpm/Star Connected Squirrel Cage Motor With Mechanical Loading Arrangement Having	01	
			3 Phase Auto Transformer Variac With S	01	
			Synchronous Motor 3 Hp/415v/1500 Rpm	01	
			Doi Starter	01	
			Dpt/10 Amp Knite Switch With Red	01	
			1 Phase Upf Wattmeter 150/300/600v, 10/20 Amp	02	
			1 Phase Lpf Wattmeter 12/250/500v, 5-10 Amp	02	
			3 Phase Power Factor Meter 3 Wire 15 Amp 415v/Power Factor Meter	01	
50		BEE Lab	Auto Transformer 01 Phase 4 Amp	2	
			Auto Transformer 1 Phase 8 Amp	01	
			Auto Transformer 3 Phase 15 Amp	01	
			Digital Tachometer (Contact Type)	02	

			Superposition Theorem Kit	01	
			The venin's Theorem Kit	01	
			Norton's Theorem Kit	01	
			Maximum Power Transfer Theorem	01	
			Function Generator 1 Mhz	01	
			Transformer Range 3 Kva 1 Phase Core Type	02	
			Moving Coil Portable Ammeter		
			0-1a	02	
			0-2.5 A	02	
			0-5a	02	
			0-15 A	02	
			0-1 & 2 Amp	03	
			0-2.5& 5 Amp	01	
			0-5& 10 Amp	02	
			0-10 & 20 Amp	01	
			0-.5 Amp	02	
			Portable Voltmeter		
51	BE –CSE & IT	Graphics Lab	Acer Monitor (185w80ps)	14	
			Acer Mouse (M859p)	09	
			Acer Keyboard (Sk-1688)	13	
			Motherboard (G31t-M5 V:1.0)	14	
52		Visual Programming Lab	Ram (Samsung 1gb)	14	
			Cpu (Dual Core 2.7gh)	14	
			Hard Disk (Hitachi 160gb)	14	
			Hp Mouse (M-Uae96)	01	
			Mouse (M-Sbm96b) (Logitech)	05	
			Hp Monitor (L1710)	01	
			Motherboard (Tg33mk)	01	
			Ram (1gb)	01	
			Cpu (Dual Core 2.7gh)	01	
			Hard Disk (Seagate 160gb)	01	
			A/C (Panasonic)	01	
53		Hardware Simulation Lab	Acer Monitor (185w80ps)	29	
			Acer Mouse (M859p)	29	

			Acer Keyboard (Sk-1688)	29	
54		Computer Network Lab	Motherboard (G31t-M5 V:1.0)	29	
			Ram (Samsung 1gb)	29	
			Cpu (Dual Core 2.7gh)	29	
			Hard Disk (Hitachi 160gb)	29	
			Hp Monitor (L1710)	01	
			Motherboard (Tg33mk)	01	
			Ram (1gb)	01	
			Cpu (Dual Core 2.7gh)	01	
			Hard Disk (Seagate 160gb)	01	
			Hp Keyboard (Sk-2880)	01	
			Mouse (M-Sbm96b) (Logitech)	01	
			A/C (Panasonic)	01	
55		C++ Lab	Hp Monitor (L1710)	17	
			Hp Mouse (M-Uae96)	12	
			Hp Keyboard (Sk-2880)	18	
			Motherboard (Tg33mk)	17	
56		Data Structure Lab	Ram (1gb)	17	
			Cpu (Dual Core 2.7gh)	17	
			Hard Disk (Seagate 160gb)	17	
			Mouse (M-Sbm96b) (Logitech)	14	
			Mouse (20190100005) (Tvs)	01	
			Acer Monitor (185w80ps)	13	
			Acer Mouse (M859p)	13	
			Acer Keyboard (Sk-1688)	12	
			Motherboard (G31t-M5 V:1.0)	13	
			Ram (Samsung 1gb)	13	
			Cpu (Dual Core 2.7gh)	13	
			Hard Disk (Hitachi 160gb)	13	
			A/C (Panasonic)	01	
57		Lab No.-01	Cpu- 29(Acer),1(Hp)	30	
			Monitor - (Acer)	30	
			Keyboards	30	

			Mouse	30	
58		Lab No.-02	Cpu- 29(Acer),1(Hp)	30	
			Monitor- (Acer)	30	
			Keyboards	30	
			Mouse	30	
59		Lab No.-03	Cpu- 15(Hp), 15(Acer)	30	
			Monitor	30	
			Keyboards	30	
			Mouse	30	
60		Lab No.-04	Cpu- 15(Hcl), 13(Vipro),01(Hp)	29	
			Monitor	29	
			Keyboards	29	
			Mouse	29	
61		Lab No.-05	Cpu- 26(Acer), 31(Hcl), 07(Hp)=64	64	
			Monitor	64	
			Keyboards	64	
			Mouse	64	
62		Lab No.-06	Cpu- 28(Acer)	28	
			Monitor	28	
			Keyboards	28	
			Mouse	28	
63		Lab No.-07	Cpu- 39(Hp)	39	
			Monitor	39	
			Keyboards	39	
			Mouse	39	
64		Software Technology	Acer Monitor (15w60ps)	24	

		Lab	Acer Mouse (Gm-03022p)	24	
			Acer Keyboard (Sk-1688)	24	
			Motherboard (G31t-M5 V:1.0)	24	
65		Data Base Lab	Ram (Kingston 1gb)	24	
			Cpu (Dual Core 2.7gh)	24	
			Hard Disk (Hitachi 160gb)	24	
			Hp Monitor (L1710)	06	
			Hp Mouse (M-Uae96)	01	
			Hp Keyboard (Sk-2880)	06	
			Motherboard (Tg33mk)	06	
			Ram (1gb)	06	
			Cpu (Dual Core 2.7gh)	06	
			Hard Disk (Seagate 160gb)	06	
			Mouse (M-Sbm96b) (Logitech)	04	
			Mouse (2019010005) (Tvs)	01	
66		Unix & Shell Programming Lab	Acer Monitor (15w60ps)	64	
			Acer Mouse (Gm-03022p)	64	
			Acer Keyboard (Sk-1688)	64	
			Motherboard (G31t-M5 V:1.0)	64	
			Ram (Kingston 1gb)	64	
			Cpu (Dual Core 2.7gh)	64	
			Hard Disk (Hitachi 160gb)	64	
			Projector (Benq)	01	
67			Firewall Web Filter (Fortunate)	01	
			Net Connection (2 Mbps) On Computer Lab (Airte)	01	
			Net Connection (2 Mbps) Other (Tata Indicom)	01	
			Hp Monitor (L1710)	01	
			Hp Mouse (M-Uae96)	01	
			Hp Keyboard (Sk-2880)	01	
			Motherboard (Tg33mk)	01	
			Ram (1gb)	01	
			Cpu (Dual Core 2.7gh)	01	
			Hard Disk (Seagate 160gb)	01	
			Hp Server System	01	

68	BE-Civil	Basic Civil Engineering Lab	Arrow	76	
			Cube Mould	08	
			Cross Staff With Stand	04	
			Metric Chain	05	
			Metric Chain	02	
			Prismatic Compose	4	
			Weight Box	02	
			Temping Rad	01	
			Vic At Apparatus With Middle	03	
			Measuring Tae 30 M	05	
			Balance Manual 10 Kg With Bat Set	02	
			Ranging Rod	29	
			Pumpy Level With Stand	05	
			Auto Level With Stand	01	
			Leveling Staff	04	
			Tray 30 35 02	02	
			Sieve Fine		
			Sieve Course	01	
69		Lab: Surveying Lab	Arrows	76	
			Cross Staff With Stand	04	
			Metric Chain(30m)	05	
			Metric Chain(20m)	02	
			Prismatic Compass With Stand	04	
			Measuring Tape(30m)	04	
			Ranging Rods	29	
			Dumpy Level With Stand	05	
			Auto Level With Stand	01	
			Leveling Staff	04	
			Total Station	01	
70		Lab: Material Testing	Universal Testing Machine	01	
			Torsion Testing Machine	01	
			Impact Testing Machine	01	
			Brinell Cum Rockwell Hardness Testing Machine	01	
71			Auto Level With Stand	01	

		Lab: Fluid Mechanics - Ii	Leveling Staff	04	
			Total Station	01	
			Rated Speed Centrifugal Pump Test Rig.	01	
			Multi Stage Centrifugal Pump Test Rig	01	
			Reciprocating Pump Test Rig.	01	
72		Lab: Engineering Geology	Mineral Specimens	15	
			Rock Specimen	20	
			Model Showing Strike, Dip, Pitch	01	
			Symmetrical Anticline Showing Axis-Axial Plane	01	
			Asymmetrical Anticline Showing Axis-Axial Plane	01	
			Isoclinals Anticline & Syncline	01	
			Recumbent Fold	01	
			Model Of Normal Fault	01	
			Model Of Reverse Fault	01	
			Step Fault	01	
			Mohr Scale Of Hardness	01	
			Streak Plates	01	
			Hardness Testing Knife	01	
73		Lab: Structural Analysis	Computer Lab	30	
74		Lab: Geotech Engineering Lab	Core Cutter With Rammer And Dolly	01	
			Pycno meter (100ml)	01	
			Small And Big Soil Container	01	
			Soil Hydrometer Apparatus	01	
			Oven(18x18)Cm Size	01	
			Atter berg Liquid Limit Device	01	
			Shrinkage Limit Set	01	
			Permeability Test Apparatus	01	
			Mechanical Sieve Analysis(Complete Sets Of Sieves) Brass ,Sieve:1.18,2.36,75,150,300,600	01	
			Mechanical Sieve Analysis(Complete Sets Of Sieves) Pan,Sieve(30cm Dia),4.75,10.20,40,63,75,80,100,)	01	
			Cone Penetro meter	01	

			Skemptons Pore Pressure Apparatus	01	
			Soil Sampling Tube, Piston Tube	01	
			Rammer For Compaction 150mm	01	
			Rammer For Compaction 450mm	01	
			Soil Extractor	01	
75		Lab: Transportation Engineering Lab	Ring And Ball Apparatus	01	
			Universal Penetro meter With Penetrating Cone And Kit	01	
			Loss Angle Abrasion Testing Machine	01	
			Ductility Testing With Digital	01	
			Standard Tar Viscometer 10 Mm Cup	01	
			Crushing Value Apparatus	01	
			Aggregate Impact Test	01	
			Flash And Fire Point	01	
			Benkelman Beam	01	
			Water Bath Double Walled	01	
			Marshall Apparatus	01	
			Dial Gauge With 25 Mm Travel 0.01 Least Count	01	
			Integral Type Compression Proving Ring	01	
76		Concrete Technology Lab	Slump Test Apparatus with testing rod and base plate	01	
			Mould, Cast Iron, for 15 mm cube with ISI Certification Mark	05	
			Sample Tray (Enamel Tray) 600x450x50 mm	01	
			Sample Tray (Enamel Tray) 600x500x50 mm	01	
			Sample Tray (Enamel Tray) 450x300x40 mm	01	
			Gauging Trowel, Ref Standard IS:4031,100 to 150mm long blade with straight edge. Weight 210+_10g	06	
			I.S. Sieves for coarse aggregate G.I.Frame 45 cmp	15	

			100mm, 80mm, 63mm, 50mm, 40mm, 31.5mm, 25mm, 20mm, 16mm, 120.5mm, 10mm, 6.3mm, 4.75mm, pan and cover		
			I.S.Sieves for fine aggregate Brass sieves 3.35mm, 2.36mm, 1.18mm, 600u, 300u, 150u, pan and cover	08	
			I.S.Seives for fine aggregate 75u	01	
			Compaction factor test apparatus	01	
			AIMIL Consistometer (Vee-Bee)	01	
			Cylindrical Mould, Cast Iron Split Lengthwise 150 mm dia X 300mm high	01	
			Longitudinal Compressometer, Digital	01	
			Concrete test Hammer with NCCBM Certificate	01	
			Measuring Cylinder, Glass, Graduated, Capacity 500ml	02	
			Measuring Cylinder, Glass, Graduated, Capacity 1000ml	02	
			Beaker, Glass, Graduated, Capacity500ml	02	
77		Geotechnical Engineering-II Lab	Compaction Test Apparatus for Light compaction	01	
			Compaction Test Apparatus for heavy compaction	01	
			Laboratory California Bearing Ratio Test Apparatus, Motorised, Three Speed	01	
			Consolidation Apparatus, Single Gang with AIM 070 Dial gauge, 0.002 X 5 mm	01	
			Unconfined Compression tester for load measurement, supplied with AIM062-1 Load Frame 072 Dial gauge,0.01 x 25mm & AIM07401 Plain Platen with adaptor,AIM03105 Split Mould and AIM 07506 Rubber Sheath	01	

			Swell Test Apparatus with AIM 265 Proving Ring 2.5 Kn and AIM 072 Dial Gauge, 0.01 X 25mm	01	
			Sampling Tube, unrelieved, 38 mm dia X 200 mm long, pair	01	
78		Environmental Engineering –I Lab	BOD Incubator	01	
			Turbidity Meter Digital Turbidity Meter,3 ½ Digit Led Display, Range Upto 1000 NTU/JTC.EI Make	01	
			PH Meter digital, Auto Buffer PH range-0-14 (Table Top Model)	01	
			Jar Test Apparatus Capacity 4 Jars Test 1 Litre Capacity with Digital Timer and RPM Meter Along with 4 Nos. Tarsion Beaker	01	
79		Geological Lab	Mineralogy Set of 100 Nos	100	
			Petrology Set of 100 Nos	100	
			Fan Fold 22X18XX Cms Approx	01	
			Model of Ridge and Trough Fault	01	
			Lustre Collection Set of 10 Mineral	01	
			Habit Collection Set of 40 Minerals	01	
			Form and Structure Collection Set of 50 Minerals	01	
			Colour & Lustre Collection set of 60 minerals	01	
			Plastic Specimen Trays 200 Nos	200	
80	Chemistry Lab	Chemistry Lab	Abeles Flash Point Apparatus	01	
			Aniline Point Apparatus	01	
			Cleav-Land Flash Point Digital Apparatus	01	
			Kjedhal Distillation Unit	01	
			Muffle Furnace 900 Sizes 5”5”	01	

			Melting Point Apparatus	01	
			Or sat Apparatus	01	
			Oven Universal Type 250 Deg	01	
			Pesky Marten Flesh Point Apparatus	01	
			Ph Meter Digital	02	
			R.W.Viscometer No 01	01	
			R.W.Viscometer No 02	01	
			Hot Plate	03	
			Chemical Balance	03	
			Distillation Unit 4 Ltd /Hr 4 Kw	01	
81	Physics	Physics Lab	Flywheel Setup	01	
			Monometer Setup	01	
			Planck's Constant Setup	01	
			Stake's Method Setup	01	
			E/M Set Up	01	
			Carry Foster Bridge Set Up	01	
			Hall Effect Set Up	01	
			Newton's Ring Method Set Up	01	
			Numerical Aperture Kit	01	
			Fresnel's Baptism Setup	01	
			Nodal Slide Assembly	01	
			Diode Trainer Kit	01	
			Transistor Trainer Kit	01	
			Demorgan's Trainer Kit	01	
			Laser Beam Setup	02	
			Calendar & Berne's Setup	01	
			Spectrometer Setup With Grating	02	
			Spectrometer Setup With Prism	01	

Columbia Institute of Engineering And Technology, Raipur (C.G.)

List of Lab Equipment (M.Tech-CSE-Computer Technology)

S. No	Branch	Name Of Lab	Name Of Equipment	Qty
01	M.Tech-CSE	Java Programme C Application Lab	P-Iv (Ibm) 2.6 Ghz, 80 Gb Hdd, 256/512 Sd Ram 52 X Cd Rw, 1.44 Mb Fdd, 17" Colour Monitor, Laser Scroll Mouse	15
			Java JDK Soft ware latest vision	15
02	M.Tech-CSE	Compiler Design Lab	P-Iv (Ibm) 2.6 Ghz, 80 Gb Hdd, 256/512 Sd Ram 52 X Cd Rw, 1.44 Mb Fdd, 17" Colour Monitor, Laser Scroll Mouse	15
			LEX Tools and C Software	15

Columbia Institute of Engineering And Technology, Raipur (C.G.)

List of Lab Equipment (M.Tech-Thermal)

S. No	Branch	Name Of Lab	Name Of Equipment
01	M.Tech-Thermal	Fluid Mechanics Lab	Bernoulli's Theorem Apparatus Impact of Jet on vane Apparatus Apparatus for Measuring frictional losses in pipe lines Apparatus for determination of minor losses in pipe lines Apparatus for determination of metacentric height Reynolds's Apparatus Venturimeter Test Rig Orificemeter Vortex flow apparatus Complete set up for flow measurement using Pitot-tube Complete set up for Oprn channel apparatus Mouth piece apparatus with the provision for determination of hydraulic co-efficient C_c,C_d &C_v Orifice apparatus
02	M.Tech-Thermal	Heat Transfer Lab	Thermal Conductivity Of Insulating Powder Apparatus Thermal Conductivity Of Metal Bar Apparatus Thermal Conductivity Of Liquid Apparatus Transfer Rate And Temperature Distribution For A Pin Fin Apparatus Emmissivity Of The Test Plate Surface And Plotting A Graph Of Emmissivity Versus Temperature Apparatus Stefen-Boltzman Constant Of Radiation Of Heat Transfer Apparatus Surface Heat Transfer Coefficient For Heated Vertical Cylinder In Natural Convection Apparatus Heat Transfer Coefficient In Drop

			Wise And Film Wise Condensation Apparatus Critical Heat Flux In Saturated Pool Boiling Apparatus Performance Of Different Heat Pipe Apparatus Heat Transfer Rate Through Heat Exchanger Apparatus Heat Transfer Coefficient In Forced Convection of Air in a Tube Apparatus Heat transfer through composite wall Apparatus Thermal conductivity of insulating slab Apparatus Heat transfer through lagged pipe Apparatus Unsteady state heat transfer Apparatus Testing and performance Test Rig for heat insulators.
03		Refrigeration & Air Conditioning Lab	Cut Section of Hermitically Sealed Compressor Refrigeration Tutor Test Rig Mechanical Heat Pump Test Rig Air & Water Heat Pump Test Rig Air Conditioning Test Rig Cooling Tower Test Rig Domestic Refrigerator Air Conditioning Simulator Test Rig Simple Absorption System Test Rig
04		Computational Fluid Flow & Heat Transfer Lab	One Lab/Field/Industrial oriented Project/Problem will be allotted to each student related to subject taught in 1st semester. Software is available

COLUMBIA INSTITUTE OF ENGINEERING AND TECHNOLOGY, RAIPUR				
LABORATORY DETAILS. (Diploma)				
S.No	**Branch**	**Name of Lab**	**Name of Equipment**	**Qty**
1	MECHANICAL ELECTRICAL AND CIVIL	CHEMISTRY	PH Meter	1
			Crucible	1
			Pensky martin	1
			Able's Apperatus	1
			Bomb Calorimeter	1
			Red wood viscometer	1
2	MECHANICAL ELECTRICAL AND CIVIL	PHYSICS	1. Prism	1
			2. Vernier Calipers	1
			3. Screw Gauge	1
			4. Stop Watch	1
			5. Magnet	2
			6. Weight(500g)	2
			7. Convex lens	2
			8. Concave Mirror	3
			9. Simple Pendulum	2
			10. Searl's Apparatus	1
			11.SparowMeter	1
			12.CaloriMeter	1
3	MECHANICAL ELECTRICAL AND CIVIL	WORKSHOP	1. Measurement -Identification and use of the various measuring tools & instruments. -Linear measurements and measuring devices. -Angular measurements and measuring devices 2. Wood working (carpentry shop) 3. Fitting shop 4. Welding Shop 5. Machine shop	
4	MECHANICAL ELECTRICAL AND CIVIL	MECHANICAL LAB	1. Verification of law of triangle of forces	1
			2. Verification of law of Polygon of forces.	1
			3. Verification of Lami's Theorem by Jib crane method.	1
			4. Determination of coefficient of friction for surfaces of different materials on- 3 a) Horizontal Plane b) Inclined Plane	1

			5. Find-out Mechanical advantage, Velocity Ratio and Efficiency for following machines-	1
			a) Simple Screw	1
			b) Differential Wheel & Axle	1
			c) Simple Purchase Crab	1
			d) Differential Pulley Block	1
			6. Demonstration of use of inclined plane as a lifting machine.	1
5	MECHANICAL ELECTRICAL AND CIVIL	COMPUTER LAB	Computer	63
			Software Required: Windows XP or 7, MS Office, Paint,	
			Dial up access, Web services, Information access, Email Services	
6	MECHANICAL ELECTRICAL AND CIVIL	ENERGY LAB	Non- Conventional Energy Sources - Solar Panel	

- List of Experimental Setup in each Laboratory/Workshop
  List of Experimnetal- Setup-all branches available at www.cietraipur.ac.in

- Computing Facilities

  - Internet Bandwidth - 350 Mbps
  - Number and configuration of System - 300
  - Total number of system connected by LAN - All
  - Total number of system connected by WAN - All
  - Major software packages available - 04
  - Special purpose facilities available
    (Conduct of online Meetings/Webinars/Workshops, etc.) -Google Suite

  - Facilities for conduct of classes/courses in online mode (Theory & Practical)
  - Innovation Cell : Yes
  - Social Media Cell : Yes
  - Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments

- List of facilities available
  - Games and Sports Facilities : Yes, available for In & Outdoor games
  - Extra-Curricular Activities : Yes
  - Soft Skill Development Facilities : Yes

- **Teaching Learning Process**
- Curricula and syllabus for each of the Programmes as approved by the University
  - The curricula for the various programmes are available on the Website: Click here for CSVTU Programs & Schemes

- Academic Calendar of the University
  - As per the CSVTU, Bhilai suggest the academic schedule for session of the Academic year 2023-24 available on the Website:
    Click here for CSVTU Academic Calendar

- Academic Time Table
  - Available at CIET website- www.cgiraipur.org

- Teaching Load of each Faculty
  - Available at CIET website- www.cgiraipur.org

- **Internal Continuous Evaluation System and place**
  The institution strictly follows the evaluation procedure prescribed by the affiliating university (CSVTU, Bhilai).

- Academic calendar for each session is prepared by the Head of the Institute in consultation with the Dean Academic and head of the departments based on the university (CSVTU) academic calendar, which provides the information on scheduled timetable for internal assessments, class tests and the tentative schedule of University theory and practical examinations; in regard to this the students can plan the course of action.
- Two class tests are held in each semester for the duration of two hours and question papers are set to make the student understand the level of university paper and also make them learn to manage time. Syllabus of the entire course is covered in the two internal exams. The questions are set in accordance with the university pattern. The question papers are designed in such a manner so that it consists 40% average level questions, 40% medium level questions and 20% difficult level questions.
- The tests are conducted simultaneously for all the branches by the examination committee appointed by the Principal. The evaluated answer scripts are shown to the students and the result is declared as per the academic calendar.
- Class Test result analysis is done and communicated to the Head of Institution. Student marks are intimated to the students immediately after the completion of assessment through student's website portal MIS login.

- Unit wise assignments per subject are given to the students for additional subject learning. Assignments are given in each semester for improvement in writing skills and to cover wide variety of questions. The assignments are evaluated by the subject teacher.

- Internal assessment is carried out for laboratory courses and evaluation is done by teacher/ panel of teachers on the basis of systematic rubrics.
- Retests / Improvement tests are conducted for students who fail to secure minimum percentage of marks / who want to improve their internal marks.
- The academic performance of the student and attendance of the student are maintained and recorded in each department through online web portal MIS.
- Project in-charge is appointed by the head of the department who is responsible for planning, scheduling and execution of all the activities related to the student project work. The process followed to maintain the quality of student projects are:
  A. Allotments of Projects
  B. Project Identification
  C. Continuous Monitoring
  D. Evaluation

- **Student's assessment of Faculty, System in place**
- Feedback by students is obtained by means of the on-line feedback system of the institute in a systematic format. Feedback is taken twice in a semester according to the schedule specified in the academic calendar.
- Students' feedbacks are critically analysed. The concerned Head of the Department is responsible for collecting the feedbacks and the status of the faculty is informed to the Principal.

Strength and weakness are informed to all concerned faculty members based on student feedback. Necessary remedial actions are taken based on student's feedback if required.

- **For each Post Graduate Courses give the following:**
  - Title of the Course - Thermal Engineering
  - Curricula and Syllabi -
  - Laboratory facilities exclusive to the Post Graduate Course

  - Title of the Course - Computer Technology
  - Curricula and Syllabi -
  - Laboratory facilities exclusive to the Post Graduate Course
  -

- Special Purpose
    - Software, all design tools in case
    - Academic Calendar and framework

11. List of Research Projects/ Consultancy Works

- Number of Projects carried out, funding agency, Grant received
- Publications (if any) out of research in last three years out of masters projects-Nil
- Industry Linkage
    - Jayaswal Neco Industries Pvt. Ltd., Siltara, Raipur, C.G.
    - Bhilai Steel Plant (BSP), Bhilai, C.G.
    - Beekay Corporation Limited, Bhilai, C.G

- MoUs with Industries (minimum3 (10)

    - CAD BRAIN ACADEMY
    - RISHABH BUILD TECH INDIA PVT LIMITED
    - S.K.STEEL INDUSTRIES
    - JAYASWALNECOINDUSTRIES LIMITED
    - JAI SHADANI INDUSTRIES
    - COLUMBIA PETROCHEMICALS
    - RAYS IT & DESIGN WORLD PRIVATE
    - PIAGGIO VEHICLES Pvt.Ltd.

12. LoA and subsequent EoA till the current Academic Year
13. Accounted audited statement for the last three years – Available.
14. Best Practices adopted, if any.

Note: Suppression and/or misrepresentation of information shall invite appropriate penal action. The Website shall be dynamically updated with regard to Mandatory Disclosures

- Important Instructions:
    - Avoid putting personal information in public domain.
    - The mandatory disclosure should be available freely to view/download to the public without any restrictions.
    - LoA/EoA letters (since inception) should form part of the mandatory disclosure and complete mandatory disclosure document should be converted into a single PDF file and the URL (web-link) to be entered in the AICTE portal (under attachments tab).

      Already uploaded on AICTE portal in attachment tab. Following is the link for the same.