

MANDATORY DISCLOSURE

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

The onus of the authenticity of the information lies with the Institution ONLY and not on AICTE.

1. Name of the Institution

Name of the University : University Institute of Science and Technology, Rabindranath Tagore University
Address of the University : Mendua, Post: Bhojpur, Near Bangrasiya Chouraha, Bhopal-Chiklod Road, District- Raisen (M.P.)- 464993
Phone number : 0755-2700401
Email : info@rntu.ac.in
Website : www.rntu.ac.in

2 Name of The Organization Running the Institution

Name of the Organization Running : All Indian Society for Electronics and Computer Technology (AISECT) Bhopal, Madhya Pradesh

3. Name and Address of the Registrar

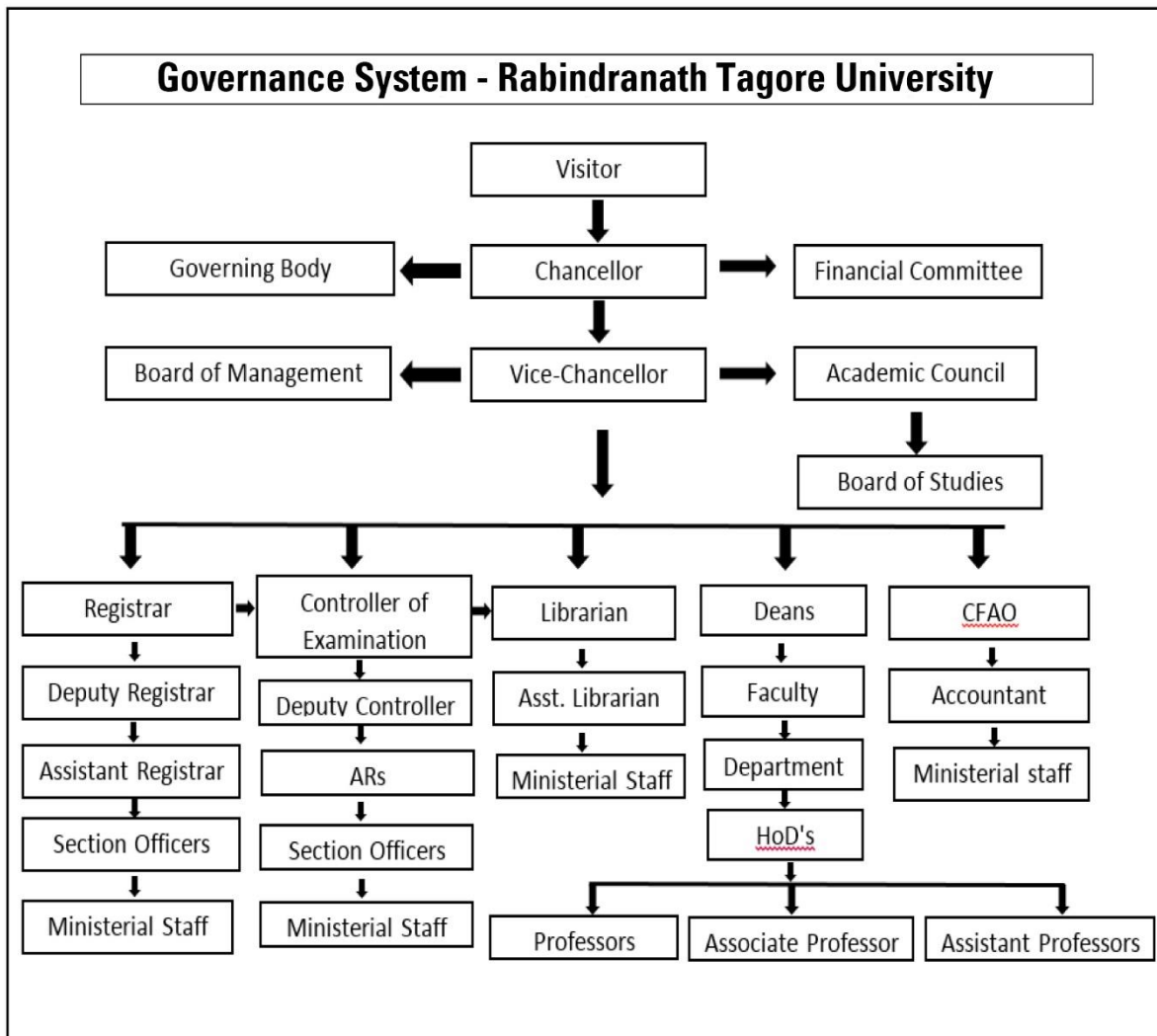
Name of the Registrar : Dr. Sangeeta Jauhari
Address : E-4/502, Fortune Kasturi, Jatkhedi, Hoshangabad Road, Bhopal
Phone No. : 9755002049
Email Id : sangeeta.jauhari@aisectuniversity.ac.in

4. Type of Institution

Type of Institution : Private University
Category (1) of the Institution : Non-Minority
Category (2) of the Institution : Co-ed

5. Governance

(i) Organizational chart and processes



(ii) Establishment of Online Grievance Redressal Mechanism:

<https://rntu.ac.in/lodge-grievance>

(iii) Establishment of Anti Ragging Committee:

S. No.	Name	Position	Mobile Number
1	Dr. Ritu Kumaran	Chairperson	9993006401
2	Dr. Prateek Nigam	Member	8962016586
3	DR. AVINASH SINGH	Member	7000738215
4	Dr. Naish Zameer	Member	9131073462
5	DR. RITVIK CHOUBEY	Member	9479540800
6	Dr. Sharad Kumar Soni	Member	9893988336
7	Dr. Harsh Mathur	Member	9630127278
8	Dr. Atul Loomba	Member	8989977258
9	Dr. Ashok Kumar Verma	Member	9425647830
10	Dr. Kiran Mishra	Member	9425602559
11	Dr. Pawan Kushwaha	Member	8109164840
12	Dr. Ankit Agrawal	Member	9479779972
13	Dr. Yogesh Patel	Member	9893981969
14	Dr. Sheetal Gulati	Member	9009437616
15	Dr. Durga Pandey	Member	9425600400
16	Dr. Michael Manohar	Member	8319489515
17	Dr. Chaitanya Athley	Member	9371170943
18	Mr. Chandramohan Bairagi	Member	9630919220
19	Mr. Nandkishore Pawar	Member	8839484585
20	Ms. Swati Singh	Member	9651027150
21	Mr. Arvind Rathore	Member	8962566803
22	Mr. Aanish Mahajan	Member	9797110221

(iv) Details of Grievance Redressal Committee in the Institution and OMBUDSMAN by the University

S. No.	Name	Position	Mobile Number
1	Prof. Kailash Nath Tripathi	Ombudsman	9425673415
2	Dr. Vinay Yadav	Chairperson	7354885450
3	Dr. Ritu Kumaran	Member	9993006401
4	Dr. Sheetal Gulati	Member	9009437616
5	Dr. Kapil Soni	Member	9893490561
6	Dr. Rachna Chaturvedi	Member	9754088630
7	Mr. Chandra Mohan Bairagi	Member	9630919220
8	Kartikey Singh	Speacial Invitee(Student)	6201235205
9	Dr. Ritvik Choubey	Member Secretary	9479540800

(v) Establishment of Internal Complaint Committee (ICC)

S. No.	Name	Position	Mobile Number
1	Dr. Ritu Kumaran	CHAIR PERSON	9993006401
2	Dr. Kiran Mishra	MEMBER	9425602559
3	Dr. Naish Zameer	MEMBER	9131073462
4	Dr. Ritvik Choubey	MEMBER	7479540800
5	Mr. Sameer Choudhary	MEMBER	9826861171
6	Atul Kumar	STUDENT	9199502259
7	Anjali Kumari	STUDENT	6207501514
8	Shyamsundar Kumar	STUDENT	7294810782

(vi) Establishment of Committee for SC/ST

S. No.	Name	Position	Mobile Number
1.	Mr. Sameer Choudhary	Chairperson	9826861171
2.	Dr. Amit Kumar Ahirwar	Member	9926903660
3.	Dr. Deepesh Bhavsar	Member	7828335714
4.	Dr. Manish Singh Bharti	Member	9425473534
5.	Dr. Prachi Tadge	Member	9752274565

(vii) Internal Quality Assurance Cell

IQAC Committee

Chairperson	Prof. (Dr.) R. P. Dubey, Vice Chancellor
Director	Dr. Nitin Vats, Director- ATAL Incubation Centre, Rabindranath Tagore University
Co-ordinator	Dr. Sangeeta Jauhari, Professor, Humanities & Liberal Arts
Administrative Officers	Dr. Rashmi Khanna, Deputy Registrar (HR)
	Dr. Pooja Chaturvedi, Deputy Registrar (Academics)
	Dr. Ritvik Choubey, Deputy Registrar (Administration)
	Dr. Anil Tiwari, Dean, Admission Cell
	Mr. Reetesh Khare, Asst. Controller of Examination
	Mr. Sameer Chaudhary, Deputy Registrar, Establishment
	Mr. Vijay Pratap Singh, PRO

	Mr. Abhishek Shrotri, Career and Development Cell
	Dr. Rakesh Kumar Khare, Chief Librarian
	Mr. Akshat Shukla, Director, Admission Cell
Faculty Members	Dr. Sanjeev Kumar Gupta, Pro Vice Chancellor
	Dr. Vinay Yadav, Dean, Faculty of Engineering and Technology
	Dr. H.D. Verma, Dean, Faculty of Agriculture
	Dr. Ankit Agrawal, Dean (In-charge), Faculty of Science
	Dr. Kiran Mishra, Dean, Faculty of Education
	Dr. Neelesh Sharma, Dean, Faculty of Law
	Dr. Basanti Mathew, Dean, Faculty of Commerce
	Ms. Daisy Joseph, Principal, Department of Nursing
	Dr. Preeti Shrivastava, Dean, Faculty of Management
	Dr. Swarnangini Sinha, Dean (In-Charge), Faculty of Computer Science & Application
	Dr. Durga Pandey, Principal, Dept. of Pharmacy
	Dr. Ruchi Mishra Tiwari, Dean, Faculty of Humanities & Liberal Arts
	Dr. Avinash Singh, HoD, Dept. of Paramedical
	Dr. Sheetal Gulati, Dean, Student Welfare
	Dr. Ritu Kumaran, Dean, International Affairs
Industrial Nominee	Dr. Rajeev Agrawal, MD, Ananya Packaging, Bhopal
Local Society Nominee	Mr. Mahaveer Upadhyay, Member, Lions Club
Employer Nominee	Mr. Leonard Jesuraj, General Manager, India Learning & Development, Xebia
Management Nominee	Dr. Siddharth Chaturvedi, EVP, AISECT
Alumni Nominee	Mr. Shishir Sarathe
Student Nominee	Mr. Risham, B.Com II Year
Stakeholders Nominee (Parent)	Dr. Ashok Kumar Verma

IQAC Secretariat

Name	Designation
Dr. Rajendra Gupta	Associate Professor, Dept. of Computer Science & Application
Dr. Pritaj Yadav	Associate Professor, Dept. of Computer Science & Engineering

Mr. Anshul Soni	Assistant Professor, Electronics & Communication Engineering
Mr. Vimal Kumar Shakya	Office Assistant
Mr. Rajesh Gangrade	Office Assistant
Ms. Vaishali Singh	Office Assistant
Ms. Shreya Sharma	Content Writer
Ms. Meena Acharya	Office Assistant

(viii) Equal Opportunity Facilities Cell

S.No.	Name	Designation	Position	Mobile No.
1	Dr. R.P. Dubey	Vice Chancellor	Chairman	9617779311
2	Dr. Sanjeev Kumar Gupta	Pro Vice Chancellor	Member	9826239222
3	Dr. Pooja Chaturvedi	DR Academics	Member	9926550308
4	Mr. Reetesh Khare	Asst. Exam Controller	Member	8109363274
5	Dr. Sangeeta Jauhari	Registrar	Member Secretary	9755002059

6. Programmes

(i) Name of Programmes approved by AICTE

1. Under Graduate Program in Engineering and Technology
2. Post Graduate Program in Management

(ii) Name of Programmes Accredited by NBA: Nil

(iii) Status of Accreditation of the Courses- N.A.

(iv) Total number of Courses - 18

(v) For each Programme the following details are to be given :

Sr. No.	Programme	Level of course	Name of the Course	Approved Intake	Duration (in Years)
1	ENGINEERING & TECHNOLOGY	POST GRADUATE	WIRELESS AND MOBILE COMMUNICATIONS	24	2
2	ENGINEERING & TECHNOLOGY	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	120	3
3	ENGINEERING & TECHNOLOGY	POST GRADUATE	POWER SYSTEMS	24	2

4	ENGINEERING & TECHNOLOGY	POST GRADUATE	MBA	180	2
5	ENGINEERING & TECHNOLOGY	POST GRADUATE	PRODUCTION ENGINEERING	24	2
6	ENGINEERING & TECHNOLOGY	POST GRADUATE	VLSI	24	2
7	ENGINEERING & TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	90	4
8	ENGINEERING & TECHNOLOGY	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	30	4
9	ENGINEERING & TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	60	4
10	ENGINEERING & TECHNOLOGY	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	18	2
11	ENGINEERING & TECHNOLOGY	POST GRADUATE	CIVIL ENGINEERING	24	2
12	ENGINEERING & TECHNOLOGY	POST GRADUATE	THERMAL ENGINEERING	24	2
13	ENGINEERING & TECHNOLOGY	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	60	4
14	ENGINEERING & TECHNOLOGY	DIPLOMA	CIVIL ENGINEERING	120	3
15	ENGINEERING & TECHNOLOGY	DIPLOMA	MECHANICAL ENGINEERING	120	3
16	ENGINEERING & TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	60	4
17	ENGINEERING & TECHNOLOGY	UNDER GRADUATE	CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	30	4
18	ENGINEERING & TECHNOLOGY	UNDER GRADUATE	CSE (DATA SCIENCE)	30	4

Note -Cut off marks/rank of admission during the last three years: Not Require

(vi) Fee (as approved by the state government)

- B.E.- 73,500/- per year
- Diploma- 52,000/- per year
- M.Tech.- 78,000/- per year
- M.B.A.-75000/- per year

(vii) Name and duration of Programme(s)having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details: N.A.

7. Faculty

- Permanent Faculty- 163
- Adjunct Faculty- 5
- Permanent Faculty: Student Ratio- UG-1:20, PG- 1:15, Diploma- 1:25

8. Profile of Vice Chancellor

- Name – Prof. (Dr.) R.P. Dubey
- Date of Birth – 03-Aug-1963
- Education Qualifications – Ph.D.(Mathematics)
- Work Experience – 40 Years
- Teaching/ Research/ Industry/ Others
- Area of Specialization- Functional Analysis
- Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level – UG(BSc, B.E.) & PG (MSc.)
- Research guidance (Number of Students) – 16 Ph.D. & 22 M.Phil.
- No. of papers published in National/International Journals/Conferences - 172
- Master (Completed/Ongoing) - Completed
- Ph.D. (Completed/Ongoing) - Completed
- Patents (Filed & Granted) – 02

S.No.	Patent No.	Date of Granted	Title	Country
1	20201024512	27th September 2020	“Green Building Environment Management Module for Real Time Air Quality Monitoring”	Australia
2	2020102450	28th October 2020	“Method for Water Pollutant Concentration Estimation in Water Reservoir Using Laplace Transform”	Australia

- xv. No. of Books published with details – 01 (As a book chapter)

9. Fee

- No. of Fee waivers granted with amount and name of students: 0

ii. Number of scholarship offered by the Institution, duration and amount

Scholarship offered by the Institution	Duration	Amount
Shiksha-Mitra scholarship	One Time	As per the Marks of Qualifying Exam

10. Admission

i. Number of seats sanctioned with the year of approval: UG - 360 , PG – 162, Diploma – 360 & MBA- 180

ii. Number of Students admitted each year in the last three years

Sr. No.	Academic Year	No. of Students admitted
1.	2023-24	1023
2.	2024-25	1027
3.	2025-26	968

iii. Number of applications received during last year for admission under Management Quota and number admitted- No Management Quota is available.

11 Admission Procedure

i. Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)- AJEE test conducted by Rabindranath Tagore University

URL: <https://rntu.ac.in/admissions/entrance-examination>

ii. Number of seats allotted to different Test Qualified candidate separately (AIEEE//JEE/ CET (State conducted test/ University tests/ CMAT)/ Association conducted test etc.)-

<https://rntu.ac.in/admissions/entrance-examination>

iii. Calendar for admission against Management quota seats: No Management Quota is available

iv. Last date of request for applications : 11-09-2025

v. Last date of submission of applications: 15-09-2025

vi. Dates for announcing final results: 15-09-2025

vii. Release of admission list (main list and waiting list shall be announced on the same day): 15-09-2025

viii. Date for acceptance by the candidate (time given shall innocase be less than 15 days): 15 days

ix. Last date for closing of admission & starting of the academic session: 15-09-2025

x. The waiting list shall be activated only on the expiry of date of main list: Yes

xi. The policy of refund of the Fee, in case of withdrawal, shall be clearly notified: Yes

<https://rntu.ac.in/importantlink/refundpolicy>

12. Criteria and Weightages for Admission

i. Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc. <https://rntu.ac.in/admission#>

ii. Mention the minimum Level of acceptance, if any

- iii. Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years- 50%
- iv. Display marks scored in Test etc. and in aggregate for all candidates who were admitted

13. Information of Infrastructure and Other Resources Available

- i. Number of Class Rooms and size of each – 34 (66 sqm each)
- ii. Number of Tutorial rooms and size of each- 20 (33 sqm each)
- iii. Number of Laboratories - 66
- iv. Number of Computer Centres – 06
- v. Central Examination Facility, Number of rooms – Yes (04)
- vi. Online examination facility (Number of Nodes, Internet band width, etc.): Yes (200, 1GBPS)
- vii. Barrier Free Built Environment for disabled and elderly persons: Yes
- viii. Fire and Safety Certificate: Yes
- ix. Hostel Facilities: Yes (For Boys & Girls Both)
- x. Number of Library books/ebooks/Titles/Journals available (Programme-wise)

Program: Engineering & Technology

- No. of Titles-- 4448
- No of Volume- 23224
- No of E-Book Titles- 2500
- No. of Journal(Print)- 71

Program: Management

- No. of Titles-- 983
- No of Volume- 3406
- No of E-Book Titles- 45
- No. of Journal(Print)- 16

- xi. List of online National/International Journals subscribed: Yes (J-Gate, Del-Net)
- xii. National Digital Library (NDL) subscription details: INMPNC3QPJPTGPT (Membership Number)
- xiii. List of Major Equipment/Facilities in each Laboratory/Workshop

Faculty of Engineering and Technology

Department of Civil Engineering

List of Equipment's

Details of Laboratories and Equipments			
S.No	Name of Labs	Name of Equipments	Remark
1.	Transportation Engineering Lab	1. Bitumen penetrometer 2. Tar viscometer 3. Softening point apparatus 4. Bitumen extractor 5. Los angeles testing machine 6. Marshall stability testing machine 7. Ductility testing machine 8. Ring and Ball apparatus 9. Flash and Fire Point Test 10. Benkelman Beam Apparatus	
2.	Geotechnical Engineering Lab	1. Casagrandes Appratus 2. Rapid moisture meter 3. Consolidation Test App. Single Gage 4. CBR Testing App 5. Direct Shear Test Appratus 6. Unconfined Compression Test Appratus 7. Van Shear test Appratus 8. Modified Proctor test 9. Standard proctor 10. Triaxial Appratus 11. Permeability test falling head method 12. Field density by sand replacement method	.
3.	Fluid Mechanics Lab	1. Venturimeter 2. Orifice Meter 3. Reynolds Experiment 4. Bernoulli Apprartus 5. Impact of Jet Apparatus 6. Reciprocating Pump 7. Kaplan Turbine 8. Francis Turbine 9. Pelton Turbine 10. Pipe Friction 11. Pitot tube	
4.	Surveying Lab	1. Electronic theodolite 2. Plane table 3. Abney level 4. Auto Level 5. Tilting level 6. Tangent clinometer 7. Mirror stereoscope 8. Parallax bar 9. GPS	

		10. Total Station	
5.	Material Lab	1. Vicat apparatus 2. Slump cone apparatus 3. Pycnometer 4. Rebound hammer 5. Vee-Bee Consistometer 6. Compaction factor testing apparatus 7. Needle vibrator 8. Le- Chatelier apparatus 9. Blain Air permeability apparatus 10. Briquette testing machine 11. Aggregate crushing testing apparatus 12. Aggregate impact testing machine 13. sieve shaker 14. Flexural testing machine	
6.	Environmental Engineering Lab	1. UV Spectrophotometer 2. Chloroscope 3. Water Analyser Kit	
7.	Engineering Geology Lab	1. Clinometer 2. Petrographical Microscopes 3. Brunton Compass	
8.	Basic Civil Engineering Lab	1. Trough compass 2. Prismatic compass 3. Surveyor compass 4. Theodolite 5. Total station 6. Metric chain 7. Dumpy level 8. Slump cone apparatus 9. Vicat apparatus 10. Tilting level 11. Plane table	
9.	Strength of Materials Lab	1. Universal testing Machine 2. Compression Testing Machine 3. Rockwell hardness cum Brinell hardness testing machine	

Department of Computer Science & Engineering

S.No.	Name of Equipment	Specifications	Quantity
1	Computer System	Windows 7, Core i5, 3.10GHz, Ram 4 GB, 500 GB HDD	200
2	Computer System	Windows 7, Core i3, 3.30GHz, 4 GB Ram 500 GB HDD	105

Power Electronics Lab			
Sr. No.	Name of Equipment	Specification	Quantity
1	SCR Trainer kit	0-30v	3
2	TRIAC Characteristics Trainer	0-30v	1
3	IGBT Characteristics Trainer	0-30v	2
4	DIAC Characteristics Trainer	0-30v	1
5	MOSFET Characteristics Trainer	0-30v	2
6	BJT Characteristics Trainer	0-30v	2
7	Sinle phase half controlled converter with R Load	0-30v	1
8	Sinle phase full controlled converter with R Load	0-30v	1
9	Transfer characteritics of MOSFET	0-30v	1
10	Transfer characteritics of IGBT	0-30v	1
11	DC Supply	0-30v	2
12	CRO		1
13	DSO		1

ELECTRICAL MCHINE LAB -I			
SRN	Name of Equipment	Specification	Quntity
1	Induction Motor 3 phase with belt pulley	3HP,145V,1500RPM	3
2	Induction motor cuopled with dc genretor		2
3	Induction motor Single phase motor1 HP 230V capacitor type with dol starter with belt pulley	1HP 230V	2
4	Auto Transformer varic	VARIC 5P1	5
5	Auto Transformer varic	VARIC 5P3	5
6	RHEOSTSTE Loading 3phse in 8 steps	3kw in 3 phase	5
7	RHEOSTSTE Loading 1.5 KW ,3phAse in 4steps	1.5KW 3 Phase 4 stepd	5
8	RHEOSTSTE Loading 1 KW ,1phAse in 5steps	1KW 1 PHASE 5 STEPS	5
9	RHEOSTSTE Loading 2 KW ,1phAse in 8steps	2KW 1 PHASE 8 STEPS	5
10	Transformer /1kva single phase	1kva single phase	5
11	Tachometer Luttron		5
12	Timer		2
13	MI AC Portable Meter (Voltmeter)	250/500V	10
14	MI AC Portable Meter (Voltmeter)	300/600V	10
15	WATTMETER		10
16	MI AC Portable Meter (AMMETER)	5 amps single phase in 5 steps	20
17	Inductive Load 5 amps single phase in 5 steps	10 amps Three phase in 5 steps	5
	Inductive Load 10 amps Three phase in 5 steps	10 amps Three phase in 5 steps	5
18	MI AC Portable Meter (Ammeter)	0-5/10	20
19	DC Ammeter	10/20A	5
20	DC Ammeter	1/2/A	5
21	LPF Wattmeter	150/300/600V,0.5/1A	10
22	LPF Wattmeter	150/300/600V,2.5/5A	10

25	Transformer oil cooled 1 Phase	3KVA	2
26	Tachometer Luttron		1

Instrumentation and Measurement Lab			
Sr. No.	Name of Equipment	Specification	Quantity
1	"Technical systems" Earth tester digital type		2
2	"Technical systems" MI AC Voltmeter	Range 300/600	7
3	"Technical systems" MI AC Voltmeter	Range 0-30 V	7
4	"Technical systems" MI AC Voltmeter	Range 0-100 V	5
5	"Technical systems" MI AC Ammeter	Range 0-1 Amp	2
7	"Technical systems" Wattmeter (Portable electro-dynamometer type)	Range 2.5/5 A, 300/600 V	2
8	"Technical systems" Power factor meter	Range 5A440V	1
9	"Technical systems" Power factor meter	Range 2.5/5A/62.5/125/250V	1
10	"Technical systems" Mars kit kelvin bridge student model		1
11	"Technical systems" DC source	0-12 V/DC/10A	2
12	"Technical systems" Galvanometer 30-0-30 division sensitivity of 2 μ A		2
13	"Technical systems" Connecting leads		10
14	"Technical systems" LCR meter		1
15	"Technical systems" Energy meter		1
16	"Technical systems" Synchroscope meter	240/220V ,480/415V	2
17	"Technical systems" Power supply (SMPL/PSD 3005)	DC 30V, 5 A	5
18	"Technical systems" Power supply	12-0-12 V, 2 A	2
19	"Technical systems" Analog Oscilloscope ,CRO)	30 MHz	2
20	"Technical systems" Transformer	10A, 1-phase	2
21	"Technical systems" Loading Rheostat 1KW 1Phase in 5 step		2
24	"Technical systems" Portable voltmeter	300 V, 5 Amp	2
25	"Technical systems" Digital frequency meter 3 digit , Portable type	0-999 Hz	2
26	"Technical systems" Auto transformer VARIAC 1-phase o/p -0-270 V		2
28	"Technical systems" Digital Storage Oscilloscope		2
29	wheat stone bridge kit		1
30	schering bridge kit		1
31	function generator		1
32	Megger		1
33	Digital portable meter		2
34	DC supply	0-12v	1
Network Analysis Lab			

Sr. No.	Name of Equipment	Specification	Quantity
1	Ammeter (M.I.)	0-05/10	3
2	Ammeter (M.I.)	0-1.0/2.0	2
3	Ammeter (M.I.)	0-2.5/5.0	1
4	Ammeter (M.I.)	0-10/20	1
5	Ammeter (M.I.)	0-5/100	1
6	Ammeter (PMMC)	0-2.5 A	1
7	Ammeter (PMMC)	0-5 A	1
8	Digital multimeter		7
9	DC Motor	0.5 HP,1500 rpm	2
10	Digital Tachometer		2
11	Induction motor	1 HP,1400 rpm,1-phase	1
12	Induction motor	3 HP 3-phase	1
13	Inductive Load	1-phase 10 Amp	1
14	Kit ,KVL & KCL		1
15	Kit Superposition		1
16	Kit Thevenin's		1
17	Power Supply D.C.	30V/5Amp	1
18	Rehostat	50 Ohm,3 Amp	2
19	Rehostat	150 Ohm, 5 Amp	2
20	Rehostat	300 Ohm, 3 Amp	2
21	Rehostat	500 Ohm,5 Amp	2
22	Rehostat	800 Ohm, 1.8 Amp	2
23	Rehostat	1000 Ohm, 12 Amp	2
24	Rectifier		1
25	Transformer	01 KVA, 1-phase	2
26	Variac	1-phase, 4 Amp	4
27	Variac	1-phase, 8 Amp	2
28	Variac	3-phase, 15Amp	1
29	Wattmeter	150/300/600 V, 5/10 Amp	1
30	Wattmeter	0-75/150/300 V,0.2.5/5 Amp	2
31	Wattmeter	0-250/500 V, 0-2.5/5 Amp	1
32	Wattmeter LPF	0-150/300/600 V, 0-5/10 Amp	1
33	Application of IC 555		2
34	Analog Multimeter		3
35	4 Bit Adder & Subtractor circuit using IC 7483		1
36	CRO	30 MHZ	2
37	Function generator		2
38	Study of transistor Amplifier CB,CE &CC Modes		2

39	Study of Flip Flop circuit using NAND Gate		2
40	Verification of Boolean Algebra and Demorgan theorem		2
41	Half wave and Full wave Rectifier		2
42	Operational Amplifier as Inverting & Non inverting Voltmeter		2
43	Chart Model		10

Power System Lab			
Sr. No.	Name of Equipment	Specification	Quantity
1	Three Phase Controlled Full Wave Rectifier Kit	3-Phase, 240v, 50hz	1
2	Three Phase Half Wave Controlled Rectifier Kit	3-Phase, 240v, 50hz	1
3	Dc Motor & 3 Phase Salient Pole Ac Gen.	Three Phase Dol Starter	1
4	Pid Control Trainer Master Unit	240v Ac I/P	1
5	Process Simulation Panel Ce-1	12v I/P	1
6	Thyrister Actuator Panel Process=li With Sumbin	12v I/P	1
7	Transformer Winding Machine	300w, 230v, 50hz	1
8	Motor Winding Machine	500w, 230v, 50hz	1
9	Power Transmission Line Trainer	Three Phase Dol Starter	1
10	Dc Shunt Motor 3hp With Belt Pulley & Loading	230v, 50hz, Ac, 3hp, 220v, 12a, 1500 Rpm	1
11	Transformer Oil Testing Kit	60kv	1
12	Megger Metal Body	100 Ohm, 500v	1
13	Numerical Relay With 3- Phase Over Current Relay	8a-230v	1
14	Numeric Transformer Differential Protection Relay	2 Tripping Relay	1
15	Static Relay With 3-Phase Over Current	1 A Aux, Supply 85-280v Ac/Dc	1
16	Clamp Machine	Manually Operated	1
17	Power Supply	Dc-30v, 5a	1
18	Power Supply	12v, 2a	1
19	Auto Transformer Varic	3-Phase	1

20	Inductive Load	10a, 3-Phase	1
21	Auto Transformer Single Phase Varic	1- Phase	1

Electrical Workshop			
Sr. No.	Name of Equipment	Specification	Qty
1	Drill machine	220v ,50HZ	1
2	8" Bench grinder	220V ,50HZ	1
3	Three phase Transformer	Cell Type	1
4	Three phase Transformer	Type –core	1
5	3 phase wound slip ring	1440rpm ,5amp ,50hz	1
6	Dc compound generator	2.5 KW,220V,1440rpm	1
7	DC shunt motor with panel		1
8	Electric machine trainer		1
9	Dc motor ,Single phase	2 hp,220v,5AMP,1440 rpm with panel	1
10	DC shunt Generator with panel		1
11	3- Phase ac squirrel cage induction motor		1
12	Single phase dc compound wound motor		1
13	Thyristor /IGBT controlled dc motor derives		1
14	AC series motor	0.25 HP,230V,3000 rpm,5amp,50hz	1
15	1 phase Dc series motor with machine load		1
16	Motor generator DC TO AC WITH panel		1
17	Dc shunt generator With panel		1
18	1-Phase Universal motor	0.25 HP 220v,4amp,50hz	1
19	1-Phase Capacitor motor		1
20	Dc series motor with panel		1
21	Dc shunt motor Generator set AC TO DC		1
22	Dc series motor with belt pulley loading 3 HP		1
23	Dc shunt motor with belt pulley loading 3 HP		1
24	Synchronous alternatr coupled with dc shunt motor		1

Department of Electronics and Communication Engineering

List of Equipements (Electronic Circuit Lab)

S.No.	Name of Equipment	Quantity
1	RC Phase Shift	2
2	Hartley Oscillator Trainer	2
3	Colipits Oscillator Trainer	2
4	Wein Bridge Oscillator Trainer	2
5	Class A Amplifier	2
6	Class B Push Pull emitter Follower	2

7	RC Coupled Feedback Amplifier	2
8	Schmitt Trigger and Comparator	2
9	Voltage follower	2
10	Differential amplifier (Transistor Bias)	2
11	Active Filter (Low and High Pass Trainer)	2
12	Darlington Pair Amplifier Trainer	2
13	Operation Amplifier	2
14	Operational Amplifier (Adder and Scalar)	2
15	Operational Amplifier (Integrator and Differentiator)	2
16	Analog Lab	6
17	DC Power Supply AD-01 +5V, (+-) 12V	10

List of Equipements (Electronic Devices Lab)

S.No.	Name of Equipment	Quantity
1	SCR Trainer Kit	2
2	UJT Characteristics Trainer	2
3	TRAIC Characteristics Trainer	2
4	DIAC Characteristics Trainer	2
5	IGBT Characteristics trainer	2
6	MOSFET Characteristics Trainer	2
7	DIODE Characteristics (Si, Zener, LED)	2
8	Transistor Characteristics CB PNP	2
9	Transistor Characteristics CE NPN	2
10	Transistor Characteristics CE PNP	2
11	Transistor Characteristics CC NPN	2
12	FET Characteristics	2
13	Work Station (Analog Lab)	6
14	Tunnel Diode Trainer	2
15	Scottky Diode	2
16	Varacter Diode	2
17	Recitfier Trainer	2
18	DC Power Supply PD-01 (+-) 35V	5

List of Equipements (Analog Communication Lab)

S.No.	Name of Equipment	Quantity
1	Frequency Modulation & Demodulation Trainer	3
2	DSB/SSB AM Transmitter Trainer	2
3	DSB/SSB AM Receiver Trainer	2
4	Four Channel Analog TDM Trainer	2
5	Armstrong Frequency modulator and demodulator	2
6	Noise Audio Amplifier Trainer	2
7	Fourier Synthesis Trainer	2
8	Pre-emphasis and De-emphasis Circuits	3

List of Equipements (Digital Communication Lab)

S.No.	Name of Equipment	Quantity
1	Digital Communication Trainer (DCS 1 & DCS 2)	2

List of Equipements (Communication Network and Transmission Lines Lab)

S.No.	Name of Equipment	Quantity
1	Transmission line trainer (Model : ST2266)	3
2	M – derived band pass & band reject filter (Model : AB-47)	2
3	K-derived filter (Model : AB-49)	2
4	Active filter (LPF + HPF) (Model : AB – 51)	2
5	Active band pass filter (Model : AB - 52)	2
6	Notch filter (Active & Passive) (Model : AB - 53)	2
7	Tchabyshev filter (Model : AB - 54)	2
8	M – derive filter (Model : AB-48)	2

List of Equipements (Optical Communication Lab)

S.No.	Name of Equipment	Quantity
1	Fiber optics trainer (Model : ST 2501)	1
2	Multiplexer, Demultiplexer coder, decoder trainer (Model : ST 2503)	2
3	Optical power meter (Model : ST 2551)	2
4	Fiber optical connectorisation kit (including mech. splice) (Model : ST2512)	2
5	“NVLS” measurement of wavelength of laser by diffraction grating (Model : NV6110)	2
6	“NVLS” michelson interferometer (Model : NV6115)	2

List of Equipements (Antenna and Wave Propagation Lab)

S.No.	Name of Equipment	Quantity
1	Antenna Trainer with radiation Pattern plotting software & 22 antennas MODEL ST:2261	1

List of Equipements (Microwave Engineering Lab)

S.No.	Name of Equipment	Quantity
1	Microwave Test Bench(Gunn based) NV 9001	1
2	Microwave Test Bench Gunn based	1
3	Microwave Test Bench(Klystron based) NV 9000	1
4	Microwave Test Bench Klystron Power Supply model MW2009	1

List of Equipements (TV and Radar Lab)

S.No.	Name of Equipment	Quantity
1	NVIS RADAR Trainer Hardware & Software Based Model NV-2001	1
2	Colour TV trainer MODEL ST:2651	1

List of Equipements (3D Printing Lab)

S.No.	Name of Equipment	Quantity
1	3D Printer 300*300*300mm Filament 5kg	1

List of Equipements (Microprocessor and Microcontroller Lab)

S.No.	Name of Equipment	Quantity
1	8086 microprocessor trainer Salicon/M86-02	2
2	8085 microprocessor trainer Salicon/M86-04	2
3	8255 PPI study card SC-01	2
4	8253 Programmable timer study card SC-02	2
5	8155 PPI with Timer card SC-03	2
6	8251 usart study card SC-04	2
7	8257 DMA Study Card SC-05	2
8	8259 PIC Study card SC-06	2
9	8279 keyboard & display controller card SC-07	2
10	8051 microcontroller trainer Salicon/M51-2	1
11	8255 PPI study card MSC-01	1
12	8253 Prog. Timer Study Card SC-02	1
13	8155 PPI with Timer study card SC-03	1
14	8251 usart study card MSC-04	1
15	8257DMA Study Card MSC-05	1
16	8259 PIC Study card MSC-06	1
17	8279 keyboard & display controller card MSC-07	1
18	8212 memory decoder study Card SC-01	1
19	373 Latch study card SC-09	1

List of Equipements (Basic Electronics Lab)

S.No.	Name of Equipment	Quantity
1	Basic Electronics Work Station	1
2	Advance Electronics Work Station	1
3	100 MHz Digital Oscilloscope	2
4	60 MHz Digital Oscilloscope	2
5	1.6 GHz Freq. Counter	2
6	3 GHz universal counter	1
7	LCR meter	2
8	Pulse Generator	1
9	Prog. Digital Multi meter	4
10	Scientific test lab	2
11	Multi Function SMD Rework Station	1

List of Equipements (PCB Lab)

S.No.	Name of Equipment	Quantity
1	Photo Contact PCB Art Work Film Maker Make: Crescent	1
2	Photo cure.2/PCB curing Machine (oven) Make: Crescent	1

3	Double Side u.v. Exposure Unit (Proto-UV) Make: Crescent	1
4	Photo-etch Etching Make: Crescent	1
5	PCB drilling Machine (photo drill-3000) Make: Crescent	1
6	PCB Shearing machine clash-3000 Make: Crescent	1
7	Photo-dye/ developer(2 in 1 unit) Make: Crescent	1
8	PCB design Facility art work table Make: Crescent	1
9	Chemicals 1. Single Sided pcb(10) 2. Safe lamp(01) 3. Lith film 250*300MM(1 pck) 4. Lith film developer A & B(1 pck) 5. Lith film fixer(1 pck) 6. Developing trays(3) 7. Liquid photoresist(1 pck) 8. Photoresist thinner(1 pck) 9. Photoresist Developer(5) 10. Photoresist dye(5) 11. Jars(1) 12. Etchingcrystals(FecI3) 13. Drill bits 0.8 MM & 1MM(20)	

List of Equipements (Digital Electronics Lab)

S.No.	Name of Equipment	Quantity
1	ADC (Analog to Digital) trainer	2
2	DAC (Digital to Analog) trainer	2
3	Logic gate	2
4	Universal gate (NAND/NOR)	1
5	De – Morgans theorem	4
6	Binary Adder/Subtractor	4
7	Encoder/Decoder	2
8	Schmitt Trigger and Comparator	2
9	Ex – OR Gate Implementation	2
10	4 Bit Binary Ripple Counter	2
11	4 – Bit Synchronous Binary Counter	2
12	Code Conversion (Binary to Gray and Gray to Binary)	2
13	Code Conversion (BCD to Excess - 3)	2
14	Flip Flop	2
15	Shift Register	2
16	Multivibrator (Astable Monostable)	2
17	Digital Work Station	

List of Equipements (Electronics Instrumentation Lab)

S.No.	Name of Equipment	Quantity
1	LVTD Trainer	2
2	Strain Gauge Trainer	2
3	Temperature Measurement Using Thermocouple	2
4	Trainer kit to study RTD Temperature Measurement	2
5	Analog to Digital Converter	2
6	Digital to Analog Converter	2
7	CRO Demonstration Trainer	1
8	Kelvin Bridge	2
9	Wheat Stone Bridge	2
10	Maxwell Inductance Bridge	2
11	Industrial PLC Trainer 8 Input/16 output	1
12	Schearing Bridge	2
13	De-Schotty Bridge	2
14	Optical Transducer Trainer	2
15	Analog Lab	2

Department of Mechanical Engineering**List of equipment's**

FLUID MECHANICS LAB		
S no.	Lab Items	Quantity
1	Surface Tension Apparatus	1
2	Flat bottomed vessel met centric height apparatus (ship model)	1
3	Laminar and Turbulent Flow in Pipe Test Apparatus	1
4	Conducting Orifice Experiments (Experiments Cc,Cv, and,Cd)	1
5	Apparatus to Plot the Flow Net For A Given Model Using The Concept of Electrical Analogy.	1
6	Pitot Static Tube Apparatus	1
7	Bernoulli's Theorem Apparatus	1
8	Triangular And Rectangular Notch Tank Apparatus	1
9	Darcy' Law Apparatus	1
10	Impact of jet apparatus	1
11	Open circuit sub sonic wind tunnel to study the boundary layer velocity profile over a flat plate and to determine the boundary layer thickness.	1
12	Pipe fitting test apparatus	1

13	Pipe friction apparatus	1
14	Apparatus for calibration of bend meter	1
15	Flow measurement by venturimeter and orificemeter	1
16	Centrifugal pump test rig for the study of rota dynamic pump and their characteristic	1
17	Francis Turbine Test Rig (Close circuit type)	1
18	Pelton wheel turbine test rig (close circuit type) 5H.P.cap	1

STRENGTH OF MATERIALS LAB

S no.	Lab Items	Quantity
1	Computerized universal testing machine	1
2	Fatigue testing machine	1
3	Brinell hardness tester with standard accessories Rockwell combined	1
4	Vickers Hardness Tester	1
5	Impact testing Machine	1

THERMODYNAMICS LAB

S no.	Lab Items	Quantity
1	Working model of joule apparatus joules electric calorimeter	1
2	Impulse Turbine	1
3	Pure reaction turbine	1
4	Gas Turbine & Turbojet Engine	1
5	Refrigeration Test Rig /vapour compression Test Rig	1
6	Four cylinder four stroke petrol engine test rig (Morse test) With Hydraulic Dynamometer	1
7	Four stroke single cylinder vertical diesel engine test rig with rope brake dynamometer	1
8	Four cylinder four stroke diesel engine test rig	1

THEORY OF MACHINES AND MECHANISMS LAB

S no.	Lab Items	Quantity
1	Four bar link mechanism	1

2	A properly constructed model fitted on base a)Reciprocating engine mechanism b)Oscillating cylinder mechanism c)With worth quick return mechanism d)Quick return motion mechanism	1
3	Model of differential gear mechanism	1
4	Model of epicycle gear train mechanism	1
5	Cams and follower	4
6	Motorised universal gyroscope apparatus	1
7	Kinematics pairs	1
8	Slider Crank Mechanism	1
Thermal Engineering and Gas Dynamics		
S no.	Lab Items	Quantity
1	Lamont boiler	1
2	Benson boiler	1
3	Bomb Colorimeter Apparatus. Digital Thermometer With 0.01c Read out with Remote Control Unit	1
4	Single stage reciprocating air compressor test rig	1
5	Multi Stage Reciprocating Air Compressor Test Rig	1
6	Parallel flow/ Counter Flow Heat Exchanger	1
7	Bomb Colorimeter Apparatus. Digital Thermometer With 0.01c Read out with Remote Control Unit	1
8	Refrigeration Test Rig /vapour compression Test Rig	1
MACHINE DRAWING AND DESIGN LAB		
S no.	Lab Items	Quantity
1	Knuckle joint	1
2	Cotter joint	1
3	Gib and cotter joint	1
4	Sleeve and cotter joint	1
5	Riveted joint set of 4 (wooden models)	1
6	Riveted joint (wooden model)	1
7	riveted joint triple	1
8	Seller's coupling	1
9	Universal coupling	1
10	Hook coupling	1
11	Hooks coupling (double)	1
12	Double hooks coupling experimental apparatus	1
13	Flexible coupling	1
14	Box or muff coupling	1
15	Flanged coupling	1
16	Split muff coupling	1
17	Oldham's coupling small	1
18	Hemispherical sectional models of screw threads	1

19	Hemispherical section models of screw threads nut	1
20	Standard bolt	1
21	Bolts of four types	4
22	Foundation bolts	4
23	Foundation bolts with nomenclature	4
24	Locking arrangement of bolts	4

PRODUCTION PROCESS LAB

S no.	Lab Items	Quantity
1	Measurement of angle using sine bars and slip gauge	6
2	Open hearth furnace ;size 4x4x3 feet	1
3	Hacksaw frame 12inch superior tubular type	40
4	Hacksaw blades superior (100pcs box)	40
5	Rasp file (with handle) size 12".	2
6	Conventional lathe machine improved version	2
7	Universal milling machine	1
8	Shaper machine 12 inch stroke machine with vice improved version	1
9	Hydraulic press\hand operated with all accessories	1
10	Electric arc welding m/c (air cooled) with 2 sets of protective glasses and hand gloves	2
11	Power hacksaw heavy duty fully hydraulic with electric motor v belts coolant pump fittings belt guard and electric (steel body double arm support)	1

MECHANICAL MEASUREMENT & CONTROL LAB

S no.	Lab Items	Quantity
1	Pressure Measurement by Different Devices	1
2	Pressure Measurement by Borden Pressure Gauge	1
3	Digital Hand Tachometer	1
4	Temperature Measurement by Different Devices	1
5	Radiation Pyrometer	1
6	Calibration of Thermocouple Test Rig	1
7	Calibration of RTD Test Rig	1
8	Pressure Thermometer	1
9	Measurement of Temperature by Metallic Resistance Thermometers	1
10	Pony Brake Dynamometer (Working)	1

MACHINE COMPONENT DESIGN LAB

S no.	Lab Items	Quantity
1	Model of Helical Spring(compression and tension type)	1
2	Model of leaf spring	1
3	Model of torsion spring	1
4	Power Screw	1
5	Differential and compound screw	1
6	Model of Journal bearing	1
7	Model of rolling element bearing	1

8	Model of ball and roller bearing	1
9	Simple Bearing	1
10	Bush Bearing	1
11	Thrust Bearing	1
12	Foot Step Bearing	1
DYNAMICS OF MACHINE LAB		
S no.	Lab Items	Quantity
1	Model of Porter Governor	1
2	Model of Proell Governor	1
3	Model of Hartnell governor	1
4	Model of Pickering Governor	1
5	Model of Centrifugal Shaft Governor	1
6	Model of Rites Governor (Inertia)	1
7	Different Type of Clutch	
8	Different Types of Brake	1
9	Universal Governor Apparatus	1
10	Motorised Gyroscope Apparatus	1
11	Cam analysis unit	1
12	Static and Dynamic balancing Apparatus	1
13	Model of internal expanding brake	1
METAL CUTTING & CNC MACHINE LAB		
S no.	Lab Items	Quantity
1	Capstan Lathe	1
2	Computer Numeric Control (CNC) Lathe	1
3	Milling machine	1
4	Shaper machine	1
5	Manual lathe	3
6	Surface grinder	1
7	Power Hacksaw	1
8	Sensitive drill machine	1
9	Radial drill machine	1
10	CNC milling (VMM-200)	1
MECHANICAL VIBRATION & NOISE ENGINEERING LAB		
S no.	Lab Items	Quantity
1	Universal Vibration Apparatus	1
2	Whirling of Shaft Apparatus	1
INTERNAL COMBUSTION ENGINE LAB		
S no.	Lab Items	Quantity

1	Electronic Ignition System Of A Car	1
2	Different Model Of Carburetors	1
3	MPFI System Of A Car	1
4	Cut Section Model Of Four Stroke Single Cylinder Petrol Engine	1
5	Cut Section Model Of Two Stroke Single Cylinder Diesel Engine	1
6	Valve Timing Determination Apparatus	1
7	Variable compression ratio VCR D.B. Test rig	1
8	Gas analyser apparatus	1
9	Model Of Rotary Engine (Wankel Engine)	1
HEAT & MASS TRANSFER LAB		
S no.	Lab Items	Quantity
1	Composite Wall Apparatus	1
2	Heat Transfer To Lagged Pipe	1
3	Heat Transfer In Natural Convection	1
4	Heat Transfer In Forced Convection	1
5	Critical Radius of Insulating Material	1
6	Shell & Tube Heat Exchanger	1
7	Regenerative Heat Exchanger	1
8	Stefan Boltzmann Apparatus.	1
9	Pin-Fin Apparatus	1
10	Thermal Conductivity of Insulating Powder	1
11	Thermal Conductivity of Metal	1
12	Double pass heat exchanger	1
13	Cross-flow heat exchanger	1
14	Film-wise & dropwise condensation equip	1
15	Heat transfer of lagged pipe apparatus	1
BASIC MECHANICAL ENGG. LAB		
S no.	Lab Items	Quantity
1	Cochran boiler model	1
2	Babcock wilcox boiler	1
3	Double acting Steam engine model	1
4	lancashire boiler	1
5	Boiler mountings and Accessories	1
6	locomotive boiler	1
7	4-stroke petrol engine	1
8	4-stroke diesel engine	1
9	2-stroke petrol engine	1
10	2-stroke diesel engine	1
11	Blow off cock valve model	1

12	Dead weight safety valve model	1
13	Combined high steam low water safety valve	1
14	Cornish boiler	1
15	Expansion Steam trap	1
16	Flot steam trap	1
17	Feed check valve	1
18	Fusible plug	1
19	Economiser	1
20	Lever Safety valve	1

AUTOMOBILE ENGINEERING LAB

S no.	Lab Items	Quantity
1	Cut section working model of Synchromesh Gearbox	1
2	Cut section working model of sliding mesh Gearbox	1
3	Cut section working model of differential	1
4	Cut section model of ignition system (petrol engine)	1
5	Cut section model of Car Air conditioning	1
6	Cut section (Wisdone) working model of suspension system	1
7	Cut section working model of 3 different types of steering system A. Rode & pinion, B. Gear & pinion, C. work & wheel	1
8	Cut section model of transmission system	1

DAIKIN COE LAB

S no.	Lab Items	Quantity
1	RA IDU (5kW, 1.5Ton, ECO. INV)	2
2	RAODU(5kW, 1.5Ton, ECO. INV)	2
3	RAIDU(5kW, 1.5Ton, STD INV)	2
4	RAODU(5kW, 1.5Ton, STD INV)	2
5	VRV HIGHWALL IDU(7.1 kW, 2.5HP)	2
6	VRV-IDU MSP DUCT	2
7	Ceiling Mounted Duct Type I TR	1
8	SA-CASSETTE IDU- INV	1
9	3.0TRRF CASSETTE ODU	1
10	SKY AIR CASSETTE 3X3 3 TR	1
11	3.0TR SKY AIR CASSETTE ODU	1
12	VRV ODU	1
13	CASSETTS IDU VRV	1
14	RAIDU (5KW 1.5 TON HI.SEER)	2
15	RAODU (5KW,1.5TON,HI.SEER)	2
16	RAIDU (5KW NON INVERTER 3*)	2

17	RAODU (5KW,NON INVERTER 3*)	2
18	VRVODU	1
REFRIGERATION AND AIR CONDITIONING LAB		
S no.	Lab Items	Quantity
1	Vapour Absorption System	1
2	Refrigeration cycle testing rig	1
3	Water Chilling plant	1
4	ICE plant	1
5	Air Conditioning Test Rig	1
6	Window Air Conditioning Test Ring	1
REFRIGERATION AND INDOOR AIR QUALITY (RIAQ) LAB MODROBS		
S no.	Lab Items	Quantity
1	Steam Jet Refrigeration Test Rig	1
2	Computerized Controlled Air Conditioning Test Rig	1
3	Computerized Controlled Vapors Compression Refrigeration Test rig	1
4	Cascade Refrigeration Test Rig	1
WORKSHOP		
S no.	Lab Items	Quantity
1.	Vernier Hard Gauge	1
2.	Vernier Caliper	3
3.	Combination Set	1
4.	Dial Indicator	1
5.	Megnatic Marking Gauge	1
6.	Sine Bar	1
7.	Marking Gauge	1
8.	Triangular File	11
9.	Square File	10
10.	Tap Handel 7.25"	2
11.	Tap Handel 11"	2
12.	Tap Handel 14"	1
13.	Filler Gauge	1
14.	Bit Set	12
15.	Bit Box	8
16.	Set Tap Hand	3
17.	Drill Bit 12 mm	2
18.	10 mm	1
19.	8 mm	1
20.	6 mm	3
21.	5 mm	1
22.	Center punch	8nos
23.	Scriber	4 nos

24.	Number Punch Set	3 nos
25.	Letter Punch Set	2 nos
26.	Round File	12 nos
27.	Flat Basted File (double Cut)	16 nos
28.	Flat Basted File (Single Cut)	6 nos
29.	Flat Basted File (Single Cut)	18 nos
30.	Metal Jack Plane	12 nos
31.	Farm Chisel	12 nos
32.	Martis Chisel	17 nos
33.	Cutting Gauch	6 nos
34.	Wooden Jack Plane	12 nos
35.	Triangular File	5 nos
36.	Marking Gauge	4 nos
37.	Ball Pin Hammer	4 nos
38.	Cross Pin Hammer	7 nos
39.	Sand Stone	1 nos
40.	Sand Stone	1 nos
41.	Plastic Mallet Hammer	11 nos
42.	Richet	1 nos
43.	Flat Chisel	2 nos
44.	Nose Player 7"	1
45.	8"	1
46.	Grease Gun	1
47.	Refa File	15
48.	Letter Punch	1 Box
49.	Tan on Saw	6
50.	Rip Saw	13
51.	Key Hole Saw (Compas)	2
52.	Ring Spanner (30/32)	2 nos
53.	(25/28)	1 nos
54.	(24/27)	1 nos
55.	(8/9)	2 nos
56.	(10/11)	1 nos
57.	(6/7)	2 nos
58.	(20/22)	2 nos
59.	(21/23)	1 nos
60.	(18/19)	1 nos
61.	(16/17)	1 nos
62.	(14/15)	2 nos

63.	(12/13)	1 nos
64.	Fix Spanner (30/32)	2 nos
65.	(20/22)	3 nos
66.	(10/11)	1 nos
67.	(8/9)	2 nos
68.	(6/7)	2 nos
69.	(16/17)	1 nos
70.	(14/15)	1 nos
71.	(12/13)	3 nos
72.	(10/11)	1 nos
73.	(24/27)	2nos
74.	(21/32)	1nos
75.	(25/28)	1 nos
76.	Axe	3 nos
77.	Wooden Mallet	4 nos
78.	Tin Cutter (Sheet Metal)	2 nos
79.	Hand Air Blower	1 nos
80.	Farm Chisel	1 nos
81.	Wire Gauge	1 nos
82.	See / G Clamp	2 nos
83.	Fitting Tri -Square	1 nos
84.	Carpentry Tri -Square	1 nos
85.	Engineering Scale	9 nos
86.	Ball Pin Hammer	1 nos
87.	Pipe P End	1 nos
88.	Scriber	1 nos
89.	Hexa Frame	11 nos
90.	Screw Driver 9 inches	1 nos
91.	8' 5" inches	1nos
92.	Triangular File	2 nos
93.	Flat File	11 nos
94.	Flat Basted File 8 inches	1 nos
95.	10 inches	2 inches
96.	Flat Basted File (Double Cut)	1 nos
97.	Basted File (Half Cut)	1 nos
98.	Square Basted File (Double Cut)	1 nos
99.	PVC Mallet	1 nos
100.	Flat Chisel 6 inches	1 nos
101.	5 inches	5nos

102.	Marti's Chisel	1 nos
103.	Refa File	1 nos
104.	Player	1nos
105.	Out Side Caliper	5 nos
106.	In Side Caliper	3 nos
107.	Divider	2 nos
108.	Triangular File 6 inches	3 nos
109.	8inches	1 nos
110.	Tri- Square 6 inches	20 nos
111.	8inches	11 nos
112.	Ball Pin Hammer	5 nos
113.	Cross Pin Hammer	8 nos
114.	Hexa Blade	1 packet
115.	Sledge Hammer	1 nos
116.	V Block	2 nos
117.	Chisel Handle	25 nos
118.	Pipe Vice	1 nos
119.	Caliper	2 nos
120.	Drill Bit Socket	1 nos
		1 nos
121.	Nitrogen & Acetylene Hose Pipe	1 + 1 nos
122.	Grinding Wheel	1 nos
123.	Hand Drill M/C	1 nos
124.	Helmet (Yellow)	12nos
125.	Tachometer (Digital)	1 nos
126.	Slip gauge	1 Set
127.	Brinell Hardness number (microscope)	1 nos
128.	Sprit Level	1 nos
129.	Screw Driver (micrometer)	2 nos
130.	Drill Key	1 nos
131.	Drill Bit	1 nos
132.	Marking Gauge	1
133.	Grinding Wheel (cut off)	1 nos
134.	Carpentry Table	4 nos
135.	Bench Wise (Carpentry)	16
136.	Fitting Table	4 nos
137.	Fitting Wise	16 nos
138.	Surface Plate	1 nos
139.	Angle Plate	1 nos

140.	Welding Booth	2 nos
141.	Welding Machine	3 nos
142.	Pipe Cutter	1 nos
143.	Oxygen Cylinder (With Accessories)	1 nos
144.	Acetylene Cylinder (With Accessories)	1 nos
145.	Furnace (With Accessories)	2 nos
146.	Swedge Block	1 nos
147.	Anvil	2 nos
148.	Cross Pin Hammer	4 nos
149.	Ball Pin Hammer	2 nos
150.	Sledge Hammer 1 kg	1nos
151.	Sledge Hammer 500 gm	1
152.	Bent wire	4 nos
153.	Runner & Riser	1 + 1 nos
154.	Hand Rammer	1 nos
155.	Screw Driver	1 nos
156.	Lipter	5 nos
157.	Flatter Rammer	2 nos
158.	Corner Rammer	1 nos
159.	Wire (casting)	1 nos
160.	Casting Brush	3 nos
161.	Pattern Block	3 pair
162.	Hand Riddle	2 nos
163.	Welding Torch	2 nos
164.	Welding Safety Glass	12 nos
165.	Welding Cutter	1 nos
166.	Welding Electrode	2 packets
167.	Hand Screen	7 nos
168.	Welding Lighter	2 nos
169.	Cylinder Key	2 nos
170.	Wire Brush	9 nos
171.	Welding Holder	5 nos
172.	Chipping Hammer	4 nos
173.	Flux Powder	1 packet
174.	Regulators	2 nos
175.	Leather Apron	4 nos
176.	Leather Hand Gloves	7 Pairs
177.	Welding Cable	2 rolls
178.	Coal Tank	1 nos

179.	Cope & Drag	5set
180.	Shovel	2 nos
181.	Moulding Base Plate (Wooden)	3 nos
182.	Sitting Flat	3 nos
183.	Fire Extinguisher (Silica)	1 set
184.	Gurder (I Beam)	1 nos
185.	Raw Material Rake	1 nos
186.	Almirah	5 nos
ENGINEERING MECHANICS LAB		
S no.	Lab Items	Quantity
1	Flywheel	1
2	screw jack	1
3	lami's theorem apparatus	1
4	shear force & bending moment apparatus	1
5	Coeficient of friction apparatus	1
6	Bell Crank lever apparatus	1
7	Simple jib crane apparatus	1
ENGINEERING GRAPHICS LAB		
S no.	Lab Items	Quantity
1	Wooden model of solids	4
2	Wooden model of planes	4

xiv. List of Experimental Setup in each Laboratory/Workshop

xv. Innovation Cell: Yes

xvi. Social Media Cell: Yes

xvii. Compliance of the Academic Bank of Credit (ABC), applicable to PGCM/ PGDM Institutions: Yes and University Departments

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

xix. Games and Sports Facilities: Yes

xx. Teaching Learning Process : The institution has adequate infrastructure to support effective teaching and learning, including well-furnished classrooms with ICT facilities such as projectors and smart boards. Well-equipped laboratories are available as per curriculum requirements to facilitate practical learning. The institute also has a central library with sufficient textbooks, reference books, journals, and access to digital resources. Computer labs with internet connectivity support e-learning and research activities. Seminar halls and discussion rooms are available for workshops, presentations, and academic interactions, ensuring a conducive environment for quality teaching and learning.

xxi. For each Post Graduate Courses give the following:

xxii. Title of the Course

xxiii. Laboratory facilities exclusive to the Post Graduate Course

14. Enrolment and placement details of students in the last 3 years

Academic Year	Total Enrollment	Total Placement
2023-24	1023	664
2024-25	1027	626
2025-26	968	609

15. List of Research Projects/Consultancy Works

S. No.	Title	Name of the Principal Investigator/ Co Investigator (if applicable)	Funding Agency	Type (Govt./ Non-Govt.)	Name of Department/ Research Centre	Sanctioned Date	Sanctioned Amount (INR in lakhs)	Duration
1	Synthesis, Characterization of Lanthanide-based Phosphors as Spectral Converters in Solar Cells	Dr. Sudeshna Ray	DST Indo-Taiwan Scheme	Government	Centre of Excellence of Advanced Materials for Research	2015	₹ 3,148,500	3 Years
2	ABO ₃ and A ₂ X ₃ compounds under extreme conditions of pressure and temperature.	Dr. Sudeshna Ray	Spanish Ministry	Government	Centre of Excellence of Advanced Materials for Research	2017	Chemical Received from Spanish Ministry	3 Years
3	Development of Pyrophoric Metal Ceramic Composite Materials for Smart Flare as IR Countermeasure	Dr. Sudeshna Ray	Armament Research Board, DRDO	Government	Centre of Excellence of Advanced Materials for Research	2019	₹ 2,718,432	3 Years
4	Assessment study of the commercialization of already developed technologies of the Public Funded Research Institutes	Dr. Anil Kurchania	Department of Scientific and Industrial Research (DSIR)	Government	Agriculture Research Centre (ARC)	2018	₹ 655,000	10 Months

	Established in Madhya Pradesh							
5	Mission Eco Next, Eco Routes Eco Leads to nurture Young Role Models for Resurgence of Eco Scientific Tradition”	Mr. Prabal Roy	National Council for Science & Technology Communication, (NCSTC), DST, GOI	Government	Centre for Science Communication, RNTU	2/13/2020	₹ 2,723,094	1 Year
6	Preparation of Biodiversity Register of Obaidullaganj Block, District Raisen.	Dr. Pragya Shrivastava (PI), Dr. Ankit Agrawal (Co-PI).	MP Biodiversity Board, Bhopal.	Government	Department of life Science	2020	₹ 100,000	1 Year
7	Preparation of Biodiversity Register of Udaipura Block, District Raisen.	Dr. Ankit Agrawal (PI), Dr. Pragya Shrivastava (Co-PI).	MP Biodiversity Board, Bhopal.	Government	Department of life Science	2020	₹ 100,000	1 Year
8	Preparation of Biodiversity Register of Raisen Nagar Palika.	Dr. Suchi Modi (PI), Dr. Ankit Agrawal (Co-PI).	Forest Department Raisen, District Raisen.	Government	Department of life Science	2020	₹ 100,000	1 Year
9	Indoor Quality Herbs / Vegetable Production through Vertical/ Geoponic Farming with the invention of Nano Tech/ Phosphor Converter LED	Dr. Sudeshna Ray (PI)	MPCST, Bhopal	Government	Physical Science	1/28/2022	₹ 328,000	2 Years
10	Spray Drying Mediated Coating/Desensitizing/Surface Modifications of Ultrafine	Dr. Sudeshna Ray	DRDO, Ministry of Defence Govt. of India	Government	Centre of Excellence of Advanced Materials for Research	6/17/2022	₹ 986,400	1 Year

	Ammonium Perchlorate							
11	Design and Fabrication with New Mechanism for PZT Energy Harvester Applied in Fusing System of Artillery Gun Bullet	Dr. Tejkaran Narolia (PI), Dr. Rajendra Gupta (Co-PI)	M. P. Council of Science & Technology, Bhopal	Government	Mechanical Engineering	10/5/2023	₹ 789,000	2 Years
12	Crystal Engineering Mediated Development of Spherical Ammonium Perchlorate of Different Sizes	Dr. Sudeshna Ray	High Energy Material Research Laboratory DRDO, Ministry of Defence Govt. of India	Government	Advanced Materials Research Centre	8/5/2024	₹ 4,961,429	1 Year
13	Socio-Economic Impact Assessment of Solar Energy Adoption in Tribal/Rural belt of Raisen District	Dr. Rachna Chaturvedi	Indian Council of Social Science Research (Ministry of Education), New Delhi	Government	Management	12/19/2024	₹ 1,100,000	1 Year
14	Assessment of Impact of Climate Change on Water Resources in Shipra River Basin" under the scheme "Research & Development in Water Sector and Implementation of National Water Mission"	Dr. Shalini Yadav	Department of Water Resources, RD & GR, Ministry of Jal Shakti, Shastri Bhawan, New Delhi-110001	Government	Center for Advanced Water & Environmental Research	1/7/2025	₹ 6,607,050	3 Years

15	Structural and Electronics Properties of Some Intermetallic Compounds	Dr. Purvee Bhardwaj	M. P. Council of Science & Technology, Bhopal	Government	Physical Science	3/31/2025	₹ 650,000	2 Years
16	Investigating the Biotransformation of Polyphenols in Fermented Millets and Their Impact on Healthy Aging	Dr. Preeti Singh(PI), Dr. Durga Pandey (Co-PI)	M. P. Council of Science & Technology, Bhopal	Government	Physical Science	3/31/2025	₹ 640,000	2 Years

16. MoUs with Industries

S. NO.	Type	Department	Name of the organization with whom MOU/Collaboration is being signed	Date of signing MoU	Academic Year	Duration of MoU	Level of MOU
1	Industry	Vocational Education	Brother's Auto Works, Pune	1/1/2022	2021-22	5 Years	National
2	Industry	Vocational Education	Moraya Construction and Developers, Pune	1/1/2022	2021-22	5 Years	National
3	Industry	Vocational Education	Shree Samarth Enterprises, Pune	1/1/2022	2021-22	5 Years	National
4	NGO	NCC	NCC Group Headquarters, Bhopal	2/1/2022	2021-22	10 Years	National
5	Industry	Vocational Education	Lion Insulation Private Limited	6/2/2022	2021-22	5 Years	National
6	Institution	IQAC	Taras Shevchenko National University of Kiviy, Ukraine	6/7/2022	2021-22	5 Years	International
7	Institution	Management	Universal Business School, Mumbai	6/20/2022	2021-22	5 Years	National
8	Institution	IQAC	Indian Institute of Forest Management, Bhopal	6/28/2022	2021-22	5 Years	National
9	Institution	IQAC	AKS University, Satna (M.P.)	7/15/2022	2022-23	5 Years	National
10	Institution	Management	Ujjain Yog Institute, Ujjain (M.P.)	7/18/2022	2022-23	5 Years	National

11	Insitutio n	Management	Youth for Green Hydrogen (Youth4GH2)	7/22/202 2	2022-23	5 Years	National
12	Industry	Vocational Education	LE Aayush Laboratory LLP, Kozhikode	8/2/2022	2022-23	5 Years	National
13	Industry	Vocational Education	Prakash Hospital & Research Centre, Urun- Islampur, Tal-Walwa, Dist. Sangli	8/9/2022	2022-23	5 Years	National
14	Insitutio n	Engineering & Technology	Malla Reddy College of Engineering & Technology, Hyderabad	8/25/202 2	2022-23	5 Years	National
15	Industry	Vocational Education	Dial Scan, Alappuza	9/10/202 2	2022-23	5 Years	National
16	Industry	Vocational Education	Adity Birla Fashion and Retails Limited	9/30/202 2	2022-23	5 Years	National
17	Industry	Management	Association of All Industries, Mandideep	10/1/202 2	2022-23	5 Years	National
18	Sports	Physical Education & Sports	Directorate, Sports and Youth Welfare, Madhya Pradesh	10/13/20 22	2022-23	5 Years	National
19	Insitutio n	IQAC	Sant Hirdaram Girls College, Bhopal	10/18/20 22	2022-23	5 Years	National
20	Insitutio n	CS & IT	All India IT association eLearnix Solution, Bhopal	11/9/202 2	2022-23	5 Years	National
21	Industry	Vocational Education	Jalpa Hosier, Bilaspur (H.P.)	12/12/20 22	2022-23	5 Years	National
22	Insitutio n	IQAC	Swami Vivekanand Govt.College Berasia, Bhopal	1/7/2023	2022-23	5 Years	National
23	Insitutio n	Management	Pune Institute of Business Management, Pune	1/13/202 3	2022-23	5 Years	National
24	Insitutio n	Management	Rural Education and Developement (READ), India-Gurgaoun (Hariyana)	2/1/2023	2022-23	5 Years	National
25	Industry	Vocational Education	Holiday Inn Cochin, Kerala	2/4/2023	2022-23	5 Years	National
26	Instituti on	Mechanical Engineering	CADD Centre Training Services Indrapuri, Bhopal	2/13/202 3	2022-23	5 Years	National
27	Insitutio n	Physical Education & Sports	Youth Hostels Association of India, New Delhi	2/20/202 3	2022-23	5 Years	National
28	Industry	Vocational Education	Electrocus Solution LLP, Lucknow	2/28/202 3	2022-23	5 Years	National
29	Industry	Vocational Education	PVS Hospital Pvt. Ltd	3/22/202 3	2022-23	5 Years	National
30	Insitutio n	Science	Madhaya Pradesh Council of Science & Technology, Bhopal	4/5/2023	2022-23	5 Years	National

31	Insitutio n	IQAC	Govt. College Shahpur, Betul	4/8/2023	2022-23	5 Years	National
32	Insitutio n	Science	Global Research and Welfare Society, Bhopal	4/29/202 3	2022-23	5 Years	National
33	Insitutio n	IQAC	Pioneer Dom LLP, Bhopal	5/2/2023	2022-23	5 Years	National
34	Industry	Vocational Education	Hotel LE-Royale, Simla	5/4/2023	2022-23	5 Years	National
35	Industry	Vocational Education	Kayamkulam Scans Chirakadavam, Kerala	5/4/2023	2022-23	5 Years	National
36	Industry	Vocational Education	Larisa Enterprise Pvt. Ltd.	5/4/2023	2022-23	5 Years	National
37	Industry	Vocational Education	Rays Poly Clinic & Medical Centre Malappuram, Kerala	5/4/2023	2022-23	5 Years	National
38	Insitutio n	Physical Science	Sherlock Institute of Forensic Science India, New Delhi	5/11/202 3	2022-23	5 Years	National
39	Industry	Vocational Education	Aayush Laboratory LLP, Kozhikode	5/23/202 3	2022-23	5 Years	National
40	Industry	Training & Placement Vocational Education	Vision Group of Industry, Nagpur	5/25/202 3	2022-23	3 Years	National
41	Industry	Vocational Education	VIMS Hospital, Kallachi Narmadapuram	6/20/202 3	2022-23	5 Years	National
42	Insitutio n	Science	University of Science & Technology, Meghalaya	6/27/202 3	2022-23	5 Years	National
43	Industry	Vocational Education	Maruti Suzuki India Limited, New Delhi	7/4/2023	2023-24	5 Years	National
44	Industry	Vocational Education	FTRIC Private Limited Kozhikkode, Kerala	7/6/2023	2023-24	5 Years	National
45	Insitutio n	Training & Placement	Bajaj Finserv LTD, Pune	7/8/2023	2023-24	5 Years	National
46	Industry	Vocational Education	Energy Swaraj Foundation	7/31/202 3	2023-24	3 Years	National
47	Insitutio n	Physical Education & Sports	Eliteuniversal Sports Alliance India Private Limited, Pune Maharashtra	8/16/202 3	2023-24	5 Years	National
48	Insitutio n	IQAC	National Academy of Direct Taxes, Regional Campus, Bhopal	8/25/202 3	2023-24	5 Years	National
49	Industry	Vocational Education	NBTMCE (OPC) Private Limited Dist-Howrah, West Bengal	8/28/202 3	2023-24	5 Years	National
50	Industry	Vocational Education	Wayanad Medical Laboratory Mannathavady , Wayanad, Kerala	8/28/202 3	2023-24	5 Years	National

51	Industry	Training & Placement	Rojgarmantra Placement Services Private Limited, Bhopal	1/10/2024	2023-24	3 Years	National
52	Industry	Electrical & Electronics Engineering	DRMZ System Innovations Private Limited (M.P.)	2/6/2024	2023-24	3 Years	National
53	Industry	IQAC	All India Society for Electronics and Computer Technology	2/8/2024	2023-24	5 Years	National
54	Industry	IQAC	Bhopal One, Bhopal	5/21/2024	2023-24	3 Years	National
55	Institution	Physical Science	Advanced Materials and Processes Research Institute (CSIR-AMPRI), Bhopal	7/31/2024	2024-25	10 Years	National
56	Institution	IQAC	Mahatma Gandhi Institute, Mauritius & Rabindranath Tagore Institute, Mauritius	8/8/2024	2024-25	5 Years	International
57	Institution	Physical Education	Rajmata Vijayaraje Scindia Krishi Vishwavidhya, Gwalior	9/12/2024	2024-25	5 Years	National
58	Institution	Physical Education & Sports	Lakshmibai National Institute of Physical Education, Gwalior	9/18/2024	2024-25	5 Years	National
59	Institution	Education	Raja Mansingh Tomar Music & Arts University, Gwalior	9/18/2024	2024-25	3 Years	National
60	Institution	Training & Placement Cell	UNICEF's P2E Platform	9/30/2024	2024-25	3 years	National
61	Institution	Training & Placement Cell	Netlink Software Group, Mandideep Raisen	1/16/2025	2024-25	3 Years	National
62	Industry	CS&IT	Datagami Technology Services Pvt. Ltd., Mumbai	2/7/2025	2024-25	5 Years	National
63	Institution	CRIG	Central India Hydrology Research Centre(CIHRC), National Institute of Hydrology(NIH), Bhopal	2/22/2025	2024-25	3 Years	National
64	NGO	Training & Placement	Anudip Foundation for Social Welfare, Kolkata	7/15/2025	2025-26	5 Years	National
65	Industry	Training & Placement	Coprporate Steps, Bhopal	7/30/2025	2025-26	2 Years	National
66	Industry	Mechanical Engineering	Daikin Airconditioning India Private Ltd.	8/6/2025	2025-26	5 Years	National
67	Club	Physical Education	India Rush Soccer Club, Mumbai	8/7/2025	2025-26	3 Years	National

68	Industry	Management	DADB India Pvt. Ltd.	7/30/2025	2025-26	5 Years	National
69	Industry	Mechanical Engineering	ASA EPC Pvt. Ltd. Bhopal	8/29/2025	2025-26	3 Years	National
70	Institution	CRIG	PU-IIT Ropar Regional Accelerator for Holistic Innovations Foundation	2/6/2026	2025-26	10 Years	National
71	Institution	Training & Placement	Board of Apprenticeship Training (Western Region), Mumbai	2/16/2026	2025-26	4 Years	National