

ANNEXURE-18  
Mandatory Disclosures

18.1 Name of the Institution:

Name of the Institution : SCAD Polytechnic College  
AICTE Institute Permanent Id : 1-464136493  
Address : Kalakad Road, Cheranmahadevi, Tirunelveli  
City & Pin Code : 627 414  
State / UT : Tamilnadu  
Longitude & Latitude : Longitude: 77°34'06.78"E  
Latitude : 8°39'46.65"N  
Telephone number with STD Code : 04634 265156  
Mobile : 994297852  
E-Mail : principal\_scadpoly@scad.ac.in  
Website : <https://www.scadpoly.ac.in>  
Nearest Bus Stand (dist in km) : Cheranmahadevi  
Nearest Railway Station (dist in Km) : Cheranmahadevi  
Nearest Airport (dist in Km) : Vagaikulam, Tuticorin  
Type of Institution : Private-Self Financing  
Category (1) of the Institution : Minority  
Category (2) of the Institution : Co-Educational

18.2 Name and address of the Trust/Society/Company and the Trustees

Name Of The Organization : SOCIAL CHANGE AND DEVELOPMENT  
Type Of The Organization : Trust  
Address of the Organization : 105/A1 Bye Pass Road, Tirunelveli, TamilNadu -  
627 003  
Registered with : The Trust Registered under the Companies  
Act1956  
Registered date : 375/1994 28.07.1994  
Website of the organization : <https://www.scad.ac.in>

18.3 Name and Address of the Vice Chancellor/Principal/Director

Name of the Principal : Mr MONIMARAN J  
Exact Designation : Principal  
Telephone number with STD Code : 04634 265156  
Mobile : 994297852  
E-Mail : principal\_scadpoly@scad.ac.in

18.4 Name of the affiliating University

Name of the affiliating University : Directorate of Technical Education  
Address : 53, Sardar Patel Rd, Anna University, Guindy, Chennai, Tamil Nadu 600025  
Telephone number with STD Code : 044 223510 / 14  
Website : <https://dte.tn.gov.in>

18.5 Governance

SCAD POLYTECHNIC COLLEGE

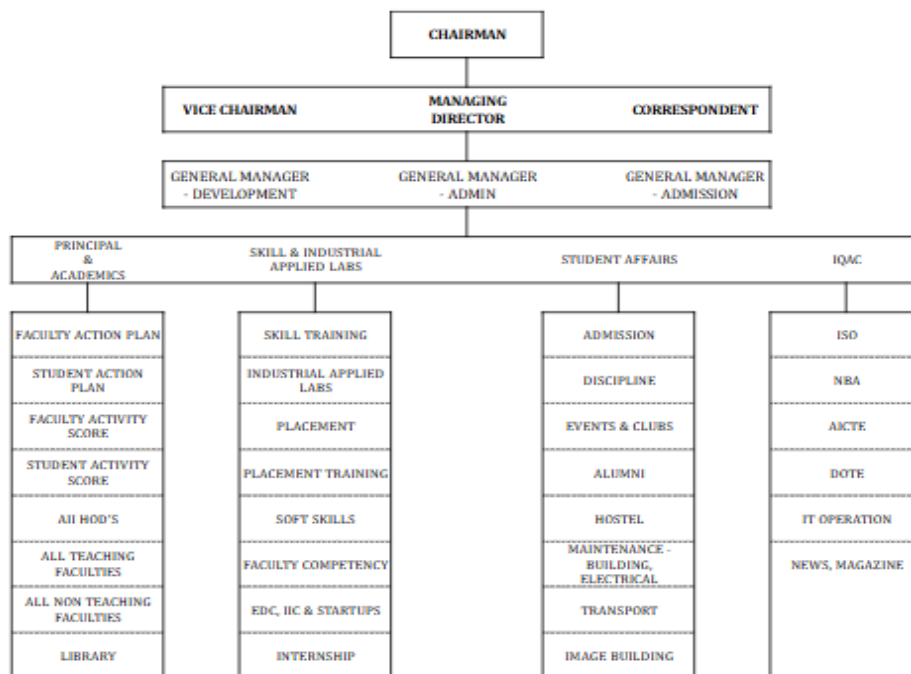
GOVERNANCE

Governing Board Members List

Dr.Cletus Babu	Chairman
Dr.J.X.Amali Cletus Babu	Vice ChairPerson
Mr.C.Arun Babu	Managing Director
Mrs.A.Vimala	Member
Mrs. J.J.Menendez	Executive Director

Academic Advisory Body

Dr.Cletus Babu	Chairman
Dr.J.X.Amali Cletus Babu	Vice ChairPerson
Mr.C.Arun Babu	Managing Director
Mrs.Priyadharshini	Correspondant
Mrs. J.J.Menendez	Executive Director
Mr.J.Monimaran	Principal



ii Grievance Redressal mechanism for Faculty, staff and students

**SCAD POLYTECHNIC COLLEGE  
GRIEVANCE REDRESSAL COMMITTEE**

SN	Name Of The Faculty	Position	Mail Id	Contact No
1	Mr.Monimaran J / Principal	Convener	principalspc@rediffmail.com	9942978528
3	Mr.P.Chithirai Sankar	Member	chithiraisankar1@gmail.com	9443399135
3	Mrs.Selva Kalyani	Member	selvakalyani.s@gmail.com	9965178393
4	Mrs.P.Gomathy	Member	gomathy.p71@gmail.com	9003657858
5	Mr.S.Jerontius	Member	jerontiuss@gmail.com	7339628073

iii Establishment of Anti Ragging Committee

**SCAD POLYTECHNIC COLLEGE  
ANTI RAGGING**

SN	Name Of The Faculty	Position	Mail Id	Contact No
1	Mr.Monimaran J / Principal	Convener	principalspc@rediffmail.com	9942978528
2	Mr.P.Muthukumar	Member	pmkumaran12@gmail.com	9042183054
3	Mr.P.Chithirai Sankar	Member	sagayaraj710@gmail.com	9443399135

4	Miss.K.Mahalakshmi	Member	mahalakshmi@gmail.com	9025634683
5	Mr.C.Shanmugaraj	Member	csraj09@gmail.com	9150898736
6	Mr.A.Stanley Vincent	Member	vincenstanley@gmail.com	9597586625
7	Mrs.G.Arockia Selvi	Member	aswinmuhil19@gmail.com	9751805800

iv Establishment of Online Grievance Redressal Mechanism

**SCAD POLYTECHNIC COLLEGE**

ONLINE GRIEVANCE REDRESSAL MECHANISM

SN	Name Of The Faculty	Position	Mail Id	Contact No
1	Mr Monimaran J	Convener	principalspc@rediffmail.com	9942978528
2	Mr Chithirai Sankar P	Member	chithiraisankar1@gmail.com	9443399135
3	Mr Saravanan P	Member	tamizhpsaravanan@gmail.com	8925698618
4	Mr Sanilkumar H	Member	harrissanilkumar55@gmail.com	9786938332
5	Mr Ramesh Moorthy M	Member	rameshsaurav.s@gmail.com	7373487398
6	Mrs Anitha S	Member	danithaananth@gmail.com	8838783070
7	Mr Venkatesh R	Member	venkyluck.venkat99@gmail.com	9787382266

v Details of Grievance Redressal Committee in the Institution and OMBUDSMAN by the University

**SCAD POLYTECHNIC COLLEGE**

GRIEVANCE REDRESSAL COMMITTEE

SN	Name Of The Faculty	Position	Mail Id	Contact No
1	Mr.Monimaran J / Principal	Convener	principalspc@rediffmail.com	9942978528
2	Mr.Chithirai Sankar P / AO	Member	chithiraisankar1@gmail.com	9443399135
3	Mr.Sanilkumar H / HOD-ME	Member	harrissanilkumar55@gmail.com	9786938332
4	Mrs.Malathi M / HOD-EC	Member	malathiiyappan9@gmail.com	8870087101
5	Mrs.Selvi M / HOD-CS	Member	selvihhh@gmail.com	8015475316

vi Establishment of Internal Committee (IC)

**SCAD POLYTECHNIC COLLEGE**

INTERNAL COMMITTEE (IC)

SN	Name Of The Faculty	Position	Mail Id	Contact No
1	Mrs. Selvakalayani	Chairperson	selakalyani.s@gmail.com	9965178393

2	Mrs. Malathi	Member	malathiiyappan9@gmail.com	8870087101
3	Mrs. Suja	Member	selvihhh@gmail.com	8015475316
4	Mrs. Gomathi	Member	cgomathi906@gmail.com	8903606890
5	Mrs. Nagajothi	Member	nagajothic777@gmail.com	8428423436
7	Ms. Divya	Member	divyasekaran102@gmail.com	8870645616
8	Ms. Santhiya	Member	santhiyarani143@gmail.com	8903285201
9	Ms. Kalaimathi	Member	srikalaimathi001@gmail.com	8072343237

vii Establishment of Committee for SC/ST

**SCAD POLYTECHNIC COLLEGE**

**COMMITTEE FOR SC/ST**

SN	Name Of The Faculty	Position	Mail Id	Contact No
1	Mr.Monimaran J / Principal	Convener	principalspc@rediffmail.com	9942978528
2	Mr.Nagaraj / Student	Member	gurunaga@gmail.com	9345707612
3	Mr.Anbalagan R / Lect-CE	Member	anbalagan@scadpoly.ac.in	9003466053
4	Mr.Chithirai Sankar P	Member	chithiraisankar1@gmail.com	9597483659
5	Miss.Swetha / Student	Member	swetha@gmail.com	6383690688

viii Internal Quality Assurance Cell

**SCAD POLYTECHNIC COLLEGE**

**INTERNAL QUALITY ASSURANCE CELL**

SN	Name Of The Faculty	Position	Mail Id	Contact No
1	Mrs.Selva Kalyani S	Convener	selakalyani.s@gmail.com	9965178393
2	Mrs. Malathy M	Member	malathiiyappan9@gmail.com	8870087101
3	Mrs. Selvi M	Member	selvihhh@gmail.com	8015475316
4	Mrs. Gomathi C	Member	cgomathi906@gmail.com	8903606890
5	Ms. Madhubala I	Member	imadhubala50@gmail.com	9500270345
6	Kalanidhi SMs.	Member	sonisubramanian@gmail.com	8098600381
7	Ms. Mercy Anna Mudaliyar Gomagan	Member	annamercy.158@gmail.com	8900564321
8	Mrs. Ponmalar R	Member	rmalar@gmail.com	8012261511
9	Mrs. Krishna Veni G	Member	krishg@gmail.com	9171106093

ix Equal Opportunity Facilities Cell

**SCAD POLYTECHNIC COLLEGE**  
**EQUAL OPPORTUNITY FACILITIES CELL**

SN	Name Of The Faculty	Position	Mail Id	Contact No
1	Mrs.Selva Kalyani	Member	selvakalyani.s@gmail.com	9965178393
2	Mrs.G.Regis Carlin	Member	reglin1990@gmail.com	9360835958
3	Mrs.M.Selvi	Member	selvihhh@gmail.com	8015475316
4	Mr.N.Prabu	Member	nprabukp@gmail.com	9952326316
5	Mr.M.Prathip	Member	prathipking34@gmail.com	8608501065

18.6 Programmes

i. Name of Programmes approved by AICTE

SCAD POLYTECHNIC COLLEGE  
PROGRAMMES APPROVED BY AICTE

SN	P Code	Name of Programmes
1	1010	Civil Engineering
2	1020	Mechanical Engineering
3	1021	Automobile Engineering
4	1030	Electrical and Electronics Engineering
5	1040	Electronics and Communication Engineering
6	1052	Computer Science

ii. Name of Programmes Accredited by NBA : Nil

iii. Status of Accreditation of the Courses : Nil

iv. Total number of Courses : 6

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

SCAD POLYTECHNIC COLLEGE  
PROGRAMME DETAILS

SN	Name of Programmes	Number of seats	Duration
1	Civil Engineering	30	3 Years
2	Mechanical Engineering	150	3 Years

3	Automobile Engineering	60	3 Years
4	Electrical and Electronics Engineering	120	3 Years
5	Electronics and Communication Engineering	60	3 Years
6	Computer Science	60	3 Years

vi Fee (as approved by the state government)

SCAD POLYTECHNIC COLLEGE

FEES (as approved by the state government)

SN	Name of Programmes	Fees - GQ	Fees - MQ
1	Civil Engineering	35,000.00	35,000.00
2	Mechanical Engineering	35,000.00	35,000.00
3	Automobile Engineering	35,000.00	35,000.00
4	Electrical and Electronics Engineering	35,000.00	35,000.00
5	Electronics and Communication Engineering	35,000.00	35,000.00
6	Computer Science	35,000.00	35,000.00

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, if any

- a. Details of the Foreign University, if any : Nil
- b. Name of the University : Not Applicable
- c. Address : Not Applicable
- d. Website : Not Applicable
- e. Accreditation status of the University in its Home Country : Not Applicable
- f. Ranking of the University in the Home Country : Not Applicable
- g. 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 with in and outside the country : Not Applicable

viii Nature of Collaboration : Not Applicable

- ix Complete details of payment a student has to make to get the full benefit of Collaboration : Not Applicable
- x For each Programme Collaborated provide the following : Not Applicable
- xi. Programme Focus : Not Applicable
- xii. Number of seats : Not Applicable
- xiii. Admission Procedure : Not Applicable
- xiv Fee (as approved by the state government) : Not Applicable
- xv Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/ Foreign University has applied to AICTE for approval : Not Applicable

18.7 Faculty

- i Course/Branch wise list Faculty members

**SCAD POLYTECHNIC COLLEGE**

**LIST OF FACULTY MEMBERS**

SN	P Code	Name of Programmes	No. of Faculty
1	1010	Civil Engineering	14
2	1020	Mechanical Engineering	20
3	1021	Automobile Engineering	13
4	1030	Electrical and Electronics Engineering	18
5	1040	Electronics and Communication Engineering	11
6	1052	Computer Science	11

- ii Permanent Faculty : 87
- iii Adjunct Faculty : Nil
- iv Permanent Faculty: Student Ratio : 20:1

18.8 Profile of Vice Chancellor/Director/Principal/Faculty

- i Principal

**SCAD POLYTECHNIC COLLEGE**

**PRINCIPAL**

1	Thiru MONIMARAN J	PRINCIPAL
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ii

**DEPARTMENT OF CIVIL ENGINEERING**

1	Thiru SARAVANAN P	HOD
2	Thiru ANBALAGAN R	LECTURER
3	Thiru VELSELVAN C	LECTURER
4	Tmt SANGEETHA K	LECTURER
5	Tmt SUBATHIRA K	LECTURER
6	Tmt SUDHA M	LECTURER
7	Tmt ABINAYA M	LECTURER
8	Thiru DINESH P	LECTURER
9	Tmt JEYA SANKARI	LECTURER
10	Tmt NALINI MAHALIA	LECTURER
11	Tmt REGINA MARY C	LECTURER
12	Tmt GOMATHI C	LECTURER
13	Thiru DHILIPANPRAKASAM S	LECTURER
14	Tmt GOMATHI P	LECTURER

iii

**DEPARTMENT OF MECHANICAL ENGINEERING**

1	Thiru SANILKUMAR H	HOD
2	Thiru DEVA SAHAYA JOSE R	LECTURER
3	Thiru SURIYANARAYANAN C	LECTURER
4	Thiru BASKARAN M	LECTURER
5	Thiru THIRUMALAIKUMAR M	LECTURER
6	Thiru SHANMUGANATHAN P	LECTURER
7	Thiru VINOTH SELVAKUMAR J	LECTURER
8	Thiru MOHAMED FASIL N	LECTURER
9	Thiru KOIL PILLAI M	LECTURER
10	Thiru PABANASAM A	LECTURER
11	Thiru LENIN K	LECTURER
12	Thiru MOHAMED ISMAIL J	LECTURER
13	Thiru JERONTIUS S	LECTURER
14	Tmt PUSHPALATHA R	LECTURER

15	Thiru ISAAC ARUMAI G	LECTURER
16	Thiru ANANTHAKUMAR P	LECTURER
17	Thiru VENKATESH R	LECTURER
18	Tmt VIJAYALAKSHMI M	LECTURER
19	Tmt SUJA R	LECTURER
20	Tmt SUBBULAKSHMI R	LECTURER

iv

**DEPARTMENT OF AUTOMOBILE ENGINEERING**

1	Thiru CHITHIRAI SANKAR P	HOD
2	Thiru MURUGAN T	LECTURER
3	Thiru PRABU N	LECTURER
4	Thiru RAM SENTHIL MURUGAN K	LECTURER
5	Thiru RASUKUTTI J	LECTURER
6	Thiru MARIAPPAN V	LECTURER
7	Thiru VENKATESH A	LECTURER
8	Thiru SELVAMUTHU S	LECTURER
9	Thiru MARIAPPAN V	LECTURER
10	Thiru SENTHILKUMAR B	LECTURER
11	Thiru VIKNESH V	LECTURER
12	Thiru VAIRAVAMANI S	LECTURER
13	Thiru HARI NARAYANAN M	LECTURER

v

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

1	Tmt SELVA KALYANI S	HOD
2	Thiru RAMESH MOORTHY S	LECTURER
3	Thiru AROCKIA RAJ M	LECTURER
4	Thiru UMANOD M P	LECTURER
5	Tmt ANITHA D	LECTURER
6	Thiru PRATHIP M	LECTURER
7	Tmt SUGANYA A	LECTURER
8	Thiru MAHENDIRAN M	LECTURER
9	Tmt ANUSUJA K	LECTURER

10	Tmt PRIYA M S	LECTURER
11	Thiru MURUGAN M	LECTURER
12	Thiru KANTHASAMY S	LECTURER
13	Tmt BISMV V	LECTURER
14	Tmt PONLATHA D	LECTURER
15	Tmt PADMAJA A	LECTURER
16	Tmt ARUL PRASANNA A	LECTURER
17	Tmt ESTHER PATTU D	LECTURER
18	Thiru SOWNDRAMMA S	LECTURER

vi

**DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING**

1	Tmt MALATHI M	HOD
2	Thiru SURESH S	LECTURER
3	Tmt JEYANTHI C	LECTURER
4	Tmt VIJAYAJANAKI S	LECTURER
5	Thiru THIRUMURUGAN A	LECTURER
6	Tmt ANIS MARY P	LECTURER
7	Thiru VIKNESH V	LECTURER
8	Thiru ARUNKUMAR A	LECTURER
9	Tmt KRISHNAVENI S	LECTURER
10	Selvi AJANTHA M	LECTURER
11	Thiru RAGAPRIYA S	LECTURER

vii

**DEPARTMENT OF COMPUTER ENGINEERING**

1	Tmt SELVI A	HOD
2	Tmt KASIMUTHU T	LECTURER
3	Tmt SUJA N	LECTURER
4	Tmt DIVYA BHARATHI S	LECTURER
5	Thiru ABRAHAM S	LECTURER
6	Tmt RAJA ROSY S	LECTURER
7	Thiru KARTHICK KUMAR	LECTURER
8	Tmt ISWARYA R	LECTURER

9	Tmt SANTHA PRIYA C	LECTURER
10	Tmt JEBA SHEEBA V	LECTURER
11	Selvi PREETHA R	LECTURER

## 18.9 Fee

### i No. of Fee waivers granted with amount and name of students

#### SCAD POLYTECHNIC COLLEGE

#### FEE WAIVERS GRANTED

Si. No.	Category of Fee Waiver	Number of Students	Academic Year	Remarks
1	Sibling	29	2025-26	Tuition Fee Waiver
2	Alumni	26	2025-26	Tuition Fee Waiver
3	Meritorial	7	2025-26	Tuition Fee Waiver
4	Single Parent	26	2025-26	Tuition Fee Waiver
5	Sports	6	2025-26	Tuition Fee Waiver
6	Christian	73	2025-26	Tuition Fee Waiver
7	Coastal	15	2025-26	Tuition Fee Waiver
8	Management	5	2025-26	Tuition Fee Waiver

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

#### SCAD POLYTECHNIC COLLEGE

#### SCHOLARSHIP OFFERED BY THE INSTITUTION

Si. No.	Category of Fee Waiver	Number of Students	Duration	Amount per Student (Rs.)	Total Amount (Rs.)	Academic Year
1	Sibling	29	3 Years	8,750.00	253,750.00	2025-26
2	Alumni	26	3 Years	5,250.00	136,500.00	2025-26
3	Meritorial	7	3 Years	5,000.00	35,000.00	2025-26
4	Single Parent	26	3 Years	5,000.00	130,000.00	2025-26
5	Sports	6	3 Years	7,000.00	42,000.00	2025-26
6	Christian	73	3 Years	5,000.00	365,000.00	2025-26
7	Coastal	15	3 Years	8,750.00	131,250.00	2025-26
8	Management	5	3 Years	12,500.00	62,500.00	2025-26

## 18.10 Admission

i Number of seats sanctioned with the year of approval

SCAD POLYTECHNIC COLLEGE  
NUMBER OF SEATS SANCTIONED

S.No	Programme / Branch	Academic Year	Approved Intake	Approval Status
1	Civil Engineering	2026-27	30	Approved
2	Mechanical Engineering	2026-27	150	Approved
3	Electrical and Electronics Engineering	2026-27	120	Approved
4	Electronics and Communication Engineering	2026-27	60	Approved
5	Computer Engineering	2026-27	60	Approved

ii Number of Students admitted under various categories each year in the last three years

SCAD POLYTECHNIC COLLEGE  
NUMBER OF STUDENTS ADMITTED UNDER VARIOUS CATEGORIES

Academic Year	Programme / Branch	Government Quota	Management Quota	Lateral Entry	TFW	Total Admitted
2023-24	Civil Engineering	10	0	0	0	10
	Mechanical Engineering	60	17	9	0	86
	Automobile Engineering	30	4	5	0	39
	Electrical and Electronics Engineering	53	2	9	0	64
	Electronics and Communication Engineering	24	4	12	0	40
	Computer Engineering	29	12	16	0	57
2024-25	Civil Engineering	8	3	4	0	15
	Mechanical Engineering	43	15	39	0	97
	Automobile Engineering	12	5	8	0	25
	Electrical and Electronics Engineering	25	21	23	0	69
2025-26	Electronics and Communication Engineering	24	15	22	0	61
	Computer Engineering	19	15	9	0	43
	Mechanical Engineering	45	18		0	63
2025-26	Automobile Engineering	0	0		0	0
	Electrical and Electronics	18	28		0	46

Engineering				
Electronics and Communication Engineering	18	4	0	22
Computer Engineering	22	16	0	38

- iii Number of applications received during last year for admission under Management Quota and number admitted - 2025-2026

#### SCAD POLYTECHNIC COLLEGE

##### MANAGEMENT QUOTA

Academic Year	Programme / Branch	No. of Applications Received	No. of Students Admitted
2025-26	Mechanical Engineering	25	18
	Automobile Engineering	0	0
	Electrical and Electronics Engineering	35	28
	Electronics and Communication Engineering	10	4
	Computer Engineering	20	16

#### 18.11 Admission Procedure

- i Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website) No Entrance Examination for Diploma
- ii Number of seats allotted to different Test Qualified candidates separately (AIEEE//JEE/ CET (State conducted test/ University tests/ CMAT)/ Association conducted test etc.) Government Quota - 50%  
Management Quota - 50%
- iii Calendar for admission against Management quota seats
- |                         |   |                    |
|-------------------------|---|--------------------|
| Application Issue       | - | Begin of May 2026  |
| Last Date of Submission | - | Mid of June 2026   |
| Merit List Publication  | - | End of June 2026   |
| Admission Start         | - | Begin of July 2026 |
| Admission Close         | - | Mid of July 2026   |
- iv Last date of request for applications : Begin of May 2026

- v Last date of submission of applications : Mid of June 2026
- vi Dates for announcing final results : End of June 2026
- vii Release of admission list (main list and waiting list shall be announced on the same day) : Begin of July 2026
- viii Date for acceptance by the candidate (time given shall inno case be less than 15 days) : Minimum 15 Days From Announcement
- ix Last date for closing of admission & Starting of the Academic session : Mid of July 2026
- x The waiting list shall be activated only on the expiry of date of main list : Activated only after expiry of main list joining date
- xi The policy of refund of the Fee, in case of withdrawal, shall be clearly notified : Deduction as per withdrawal stage

#### 18.12 Criteria and Weightages for Admission

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

Criteria	Weightage
SSLC / X / Equivalent	100%
HSC / XII / Equivalent / ITI	100%

- ii Mention the minimum Level of acceptance, if any : Pass in SSLC / X / Equivalent  
Pass in HSC / XII / Equivalent / ITI
- iii Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years

Year	Cut-off %
2023 - 24	35%
2024 - 25	35%
2025 - 26	35%

- iv Display marks scored in Test etc. and in aggregate for all candidates who were admitted : No Entrance Examination for Diploma

#### 18.13 List of Applicants

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

Government Quota

Management Quota

Merit list based on SSLC / X / HSC /  
Equivalent / ITI marks  
( Category-wise)

Merit list based on SSLC / X / HSC /  
Equivalent / ITI marks  
( Category-wise)

#### 18.14 Results of Admission Under Management seats/Vacant seats

##### i Composition of selection team for admission under Management Quota

Chairperson	Principal	Mr.Monimaran J
Member	Admission Officer	Mr.Chithirai Sankar P
Member	Senior Faculty	Mr.Deva Sahaya Jose R

ii List of candidate who have been offered admission : Displayed on College Notice Board

iii Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate : Prepared in Merit Order Active after last date of joining

#### 18.15 Information of Infrastructure and Other Resources Available

##### i Number of Class Rooms and size of each

#### SCAD POLYTECHNIC COLLEGE

#### CLASS ROOMS AND SIZE

Si. No	Building Number	Building Name	Room Type	Room ID/ Name	Area in Sqm
1	4	WESTERN BLOCK	Classroom	LH-101	71
2	4	WESTERN BLOCK	Classroom	LH-102	71
3	4	WESTERN BLOCK	Classroom	LH-103	71
4	4	WESTERN BLOCK	Classroom	LH-104	71
5	4	WESTERN BLOCK	Classroom	LH-105	70
6	4	WESTERN BLOCK	Classroom	LH-106	70
7	4	WESTERN BLOCK	Classroom	LH-107	70
8	4	WESTERN BLOCK	Classroom	LH-108	70

9	4	WESTERN BLOCK	Classroom	LH-109	70
10	4	WESTERN BLOCK	Classroom	LH-110	68.54
11	4	WESTERN BLOCK	Classroom	LH-201	71
12	4	WESTERN BLOCK	Classroom	LH-202	71
13	4	WESTERN BLOCK	Classroom	LH-203	71
14	4	WESTERN BLOCK	Classroom	LH-204	71
15	4	WESTERN BLOCK	Classroom	LH-206	58.8
16	4	WESTERN BLOCK	Classroom	LH-207	70
17	1	MAIN BLOCK	Classroom	LH-208	67.05
18	1	MAIN BLOCK	Classroom	LH-209	73
19	2	EASTERN BLOCK	Classroom	LH-210	69.28
20	2	EASTERN BLOCK	Classroom	LH-211	70
21	2	EASTERN BLOCK	Classroom	LH-212	83
22	2	EASTERN BLOCK	Classroom	LH-213	83
23	2	EASTERN BLOCK	Classroom	LH-214	67
24	2	EASTERN BLOCK	Classroom	LH-215	67
25	2	EASTERN BLOCK	Classroom	LH-216	67
26	2	EASTERN BLOCK	Classroom	LH-217	67
27	2	EASTERN BLOCK	Classroom	LH-218	67
28	2	EASTERN BLOCK	Classroom	LH-301	67
29	2	EASTERN BLOCK	Classroom	LH-303	67
30	2	EASTERN BLOCK	Classroom	LH-304	67
31	2	EASTERN BLOCK	Classroom	LH-305	67
32	2	EASTERN BLOCK	Classroom	LH-306	67
33	2	EASTERN BLOCK	Classroom	LH-307	67

ii Number of Tutorial rooms and size of each

### SCAD POLYTECHNIC COLLEGE

#### TUTORIAL ROOMS AND SIZE

Si. No	Building Number	Building Name	Room Type	Room ID/ Name	Area in Sqm
1	1	MAIN BLOCK	Tutorial Room	TR-1	33
2	1	MAIN BLOCK	Tutorial Room	TR-2	46
3	4	WESTERN BLOCK	Tutorial Room	TR-3	33

4	4	WESTERN BLOCK	Tutorial Room	TR-4	33
5	4	WESTERN BLOCK	Tutorial Room	TR-5	33
6	2	EASTERN BLOCK	Tutorial Room	TR-6	33
7	2	EASTERN BLOCK	Tutorial Room	TR-7	33
8	2	EASTERN BLOCK	Tutorial Room	TR-8	33
9	1	MAIN BLOCK	Tutorial Room	TR-9	35

iii Number of Laboratories and size of each

**SCAD POLYTECHNIC COLLEGE**

**LABORATORIES AND SIZE**

Si. No	Building Number	Building Name	Room Type	Room ID/ Name	Area in Sqm
1	1	MAIN BLOCK	Laboratory	.NET	101
2	2	EASTERN BLOCK	Laboratory	ACSLAB	105
3	2	EASTERN BLOCK	Laboratory	ADELAB	81
4	2	EASTERN BLOCK	Laboratory	AMLAB	122
5	2	EASTERN BLOCK	Laboratory	ATDLAB	139
6	1	MAIN BLOCK	Laboratory	C LAB	101
7	1	CAD CENTER	Laboratory	CAD CENTER	132
8	2	EASTERN BLOCK	Laboratory	CAD LAB	194
9	3	NORTH BLOCK	Laboratory	CHELAB	200
10	2	EASTERN BLOCK	Laboratory	CHNLAB	54
11	2	EASTERN BLOCK	Laboratory	CONLAB	73
12	2	EASTERN BLOCK	Laboratory	ECILAB	105
13	2	EASTERN BLOCK	Laboratory	EDC LAB	105
14	2	EASTERN BLOCK	Laboratory	EEE	54
15	2	EASTERN BLOCK	Laboratory	EEE LAB	105
16	2	EASTERN BLOCK	Laboratory	EELAB	54
17	2	EASTERN BLOCK	Laboratory	EMILAB	81
18	2	EASTERN BLOCK	Laboratory	ESLAB	105
19	2	EASTERN BLOCK	Laboratory	FMLAB	110
20	2	EASTERN BLOCK	Laboratory	IELAB	105
21	1	MAIN BLOCK	Laboratory	LANLAB	120
22	1	MAIN BLOCK	Laboratory	LL-1	66

23	2	EASTERN BLOCK	Laboratory	MCLAB	87
24	2	EASTERN BLOCK	Laboratory	MDLAB	194
25		MAIN BLOCK	Laboratory	MMLAB	101
26	2	EASTERN BLOCK	Laboratory	MMTLAB	74
27	2	EASTERN BLOCK	Laboratory	MPLAB	105
28	2	EASTERN BLOCK	Laboratory	MTLAB	112
29	1	MAIN BLOCK	Laboratory	OSLAB	80
30	1	MAIN BLOCK	Laboratory	PCHS	54
31	2	EASTERN BLOCK	Laboratory	PELAB	105
32	3	NORTH BLOCK	Laboratory	PHYLAB	172
33	1	MAIN BLOCK	Laboratory	RDBMS	56
34	2	EASTERN BLOCK	Laboratory	VLSI	105
35	1	MAIN BLOCK	Laboratory	WD LAB	56
36	2	EASTERN BLOCK	Laboratory	WDLAB	56
37	2	EASTERN BLOCK	Laboratory	WWLAB	105
38	4	WESTERN BLOCK	Laboratory	WS-II	214
39	2	EASTERN BLOCK	Laboratory	EEE WS	105
40	2	EASTERN BLOCK	Laboratory	WS-III	105
41	2	EASTERN BLOCK	Laboratory	WS-IV	194
42	1	MAIN BLOCK	Computer Laboratory	CC-1	194.25
43	2	EASTERN BLOCK	Laboratory	WS-V	130
44	4	WESTERN BLOCK	Laboratory	WSLAB	270

iv Number of Computer Centres with capacity of each

**SCAD POLYTECHNIC COLLEGE  
COMPUTER CENTRES WITH SIZE**

Si. No	Building Number	Building Name	Room Type	Room ID/ Name	Area in Sqm
1	4	WESTERN BLOCK	CAD Center	DH-101	366
2	4	WESTERN BLOCK	CAD Center	DH-302	135
3	3	NORTH BLOCK	CAD Center	DH-303	135

v Central Examination Facility, Number of rooms and capacity of each

**SCAD POLYTECHNIC COLLEGE**  
**CENTRAL EXAMINATION FACILITY**

Si. No	Building Number	Building Name	Room Type	Room ID/ Name	Area in Sqm
1	1	EXAM CELL	Multi-Purpose Hall	EXAM CELL	30

vi Online examination facility (Number of Nodes, Internet band width, etc.)

Number of Nodes - 150 Nodes

Internet band - JIO 100 MBPS & 3 Wi-Fi access points

Capacity of Power Backup in KVA - 60 KVA

Backup Duration in Hours - 8 Hour's

vii Barrier Free Built Environment for disabled and elderly persons : Under Construction

viii Fire and Safety Certificate



2	5	GIRLS HOSTEL	Other	GIRLS HOSTEL	1585
3	2	MESS	Kitchen with Dining Hall	MESS	461

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

### SCAD POLYTECHNIC COLLEGE

#### LIBRARY BOOKS

Si. No	Name of the Course	No. Of Titles	No. Of Volumes		No. Of Journals		
			Text Book	Reference Books	National	Inter - Nationals	Magazines
1	English	250	1707	301	1	0	0
2	Mathematics	435	1739	364	0	0	1
3	Physics	254	1772	312	0	0	1
4	Chemistry	248	1245	316	0	0	1
5	Civil Eng	367	582	606	0	1	2
6	Mechanical Eng	992	3599	597	2	1	1
7	Electrical and Electronics Eng	600	1739	522	1	1	1
8	Electronics and Communication Eng	540	1404	560	1	1	1
9	Computer Science	1154	3048	529	1	1	1
10	General	686	695	281	0	1	4
Total		5526	17530	4388	6	6	13

#### LIST OF NATIONAL JOURNALS

Si. No	Journal Name
1	The IUP Journal of English Studies
2	Journal of Recent Trends in Mechanics
3	Journal of Thermal Energy Systems
4	Journal of Electrical Engineering and Modern Technology
5	Journal of Electric Networks Devices and Fields
6	Journal of Networking Technology

LIST OF INTERNATIONAL JOURNALS

Si. No	Journal Name
1	International Journal of Environmental Pollution Control & Management
2	International Journal of Industrial Engineering and Management
3	International Journal of Power Engineering
4	International Journal of Control Theory and Applications (IJCTA)
5	International Journal of Computer Science and Knowledge Engineering
6	International Journal of Marketing and Human Resource Development

S.No	Name of The Staff	Designation	Qualification	Specialization
1	Lakshmi Prabha.A	Librarian	B.com ,Blis,Mlis,Mphil	Digital Library

xi List of online National/International Journals subscribed

SCAD POLYTECHNIC COLLEGE

ONLINE NATIONAL/ INTERNATIONAL JOURNALS SUBSCRIBED

S.No	E-Resources	Number of subscribed
1	DELNET	5000 E-Journals
2	IEEE	192 E-Journals
3	N-LIST- Engineering and Technology	6000 E-Journals

xii. National Digital Library (NDL) : INTNNC5FHVBEVID  
subscription details

xiii. List of Major Equipment/Facilities in each Laboratory/Workshop

SCAD POLYTECHNIC COLLEGE

MAJOR EQUIPMENT/FACILITIES IN EACH LABORATORY/WORKSHOP

S.No	Department	Name of the Laboratory	Major Equipments / Facilities
1	Civil Engineering	Material Testing Lab	Impact testing M/C

2	Civil Engineering	Material Testing Lab	Spring Testing M/C
3	Civil Engineering	Material Testing Lab	Deflection Testing Arrangement
4	Civil Engineering	Material Testing Lab	Torsion Testing M/C
5	Civil Engineering	Material Testing Lab	Rockwell /Brinell's Hardness testing M/C with all accessories complete set
6	Civil Engineering	Material Testing Lab	Weigh Balance with weights (Counter scale)
7	Civil Engineering	Material Testing Lab	Viccat Apparatus (with needle and Bowl)
8	Civil Engineering	Material Testing Lab	Viccat Apparatus
9	Civil Engineering	Material Testing Lab	IS Sieve Set,200mm 4.75mm,2.36mm,1.18mm,600,300 $\mu$ ,150, lid of pan
10	Civil Engineering	Material Testing Lab	Universal Testing M/C
11	Civil Engineering	Material Testing Lab	Aggregate Impact tester
12	Civil Engineering	Material Testing Lab	Aggregate Crushing test (apparatus only)
13	Civil Engineering	Material Testing Lab	Proctor's Compaction apparatus
14	Civil Engineering	Material Testing Lab	Sand bulk density(10liters)
15	Civil Engineering	Material Testing Lab	Core cutter apparatus
16	Civil Engineering	Material Testing Lab	Sand pouring cylinder
17	Civil Engineering	Material Testing Lab	Pyconometer
18	Civil Engineering	Material Testing Lab	Liquied limit
19	Civil Engineering	Material Testing Lab	Plastic Limt
20	Civil Engineering	Material Testing Lab	Water Absorption test
21	Civil Engineering	Material Testing Lab	Electric Oven
22	Civil Engineering	Material Testing Lab	Sieve test apparatus Fine agg,Coarse agg
23	Civil Engineering	Material Testing Lab	Dorry's Abrasion Testing M/C

24	Civil Engineering	Material Testing Lab	Devals Attrition Testing M/C
25	Civil Engineering	Material Testing Lab	Direct shrar Apparatus with proving ring and dial gauge ( Hand operated)
26	Civil Engineering	Material Testing Lab	Tile Flexure Testing Machine
27	Civil Engineering	Material Testing Lab	Auto clave
28	Civil Engineering	Material Testing Lab	Blain Air Permeability
29	Civil Engineering	Survey Lab	Dumpy level 12"
30	Civil Engineering	Survey Lab	Surveyors chain 30m
31	Civil Engineering	Survey Lab	Surveyors chain 20m
32	Civil Engineering	Survey Lab	Ranging rod 3m
33	Civil Engineering	Survey Lab	Metalic tape 30m
34	Civil Engineering	Survey Lab	Levelling staff
35	Civil Engineering	Survey Lab	Prismatic Compass 4"
36	Civil Engineering	Survey Lab	Cross Staff
37	Civil Engineering	Survey Lab	Theodolite 20" accuracy
38	Civil Engineering	Survey Lab	Arrows
39	Civil Engineering	Survey Lab	GPS
40	Civil Engineering	Survey Lab	Total station with Prison
41	Civil Engineering	Survey Lab	Total station along with accessories
42	Civil Engineering	Survey Lab	Plumb bob
43	Civil Engineering	Construction Lab	Slump cone apparatus
44	Civil Engineering	Construction Lab	compaction factor apparatus
45	Civil Engineering	Construction Lab	Tamping rod (16mm Ø 0.6m length rounded at one end)
46	Civil Engineering	Construction Lab	Trowel -Big
47	Civil Engineering	Construction Lab	Trowel -Small
48	Civil Engineering	Construction Lab	Measuring jar (fiber) 100
49	Civil Engineering	Construction Lab	250
50	Civil Engineering	Construction Lab	500
51	Civil Engineering	Construction Lab	1000
52	Civil Engineering	Construction Lab	cube mould
53	Civil Engineering	Construction Lab	Tamping rod with scale graduation
54	Civil Engineering	Construction Lab	100 T Compression testing machine hand operated
55	Civil Engineering	Construction Lab	Sieve shaker 200mm Ø hand operated
56	Civil Engineering	Construction Lab	Mixing pan big

57	Civil Engineering	Construction Lab	small
58	Civil Engineering	Construction Lab	Bucket (15 liters)
59	Civil Engineering	Construction Lab	Plumb bob -brass
60	Civil Engineering	Construction Lab	Standard temperature measuring device (digital thermo meter)
61	Civil Engineering	Construction Lab	Vee Bee Conistometer
62	Civil Engineering	Construction Lab	Rebound Hemmer
63	Civil Engineering	Construction Lab	Length gauge
64	Civil Engineering	Construction Lab	Thickness gauge
65	Civil Engineering	Construction Lab	Digital Balance
66	Civil Engineering	Construction Lab	Metalic tape
67	Civil Engineering	Construction Lab	Woode Scale
68	Civil Engineering	Construction Lab	Stop watch
69	Civil Engineering	Construction Lab	Bar Bending Arrangements
70	Civil Engineering	Construction Lab	cube mould
71	Civil Engineering	Hydraulics Lab	Orifice set
72	Civil Engineering	Hydraulics Lab	Mouth piece set
73	Civil Engineering	Hydraulics Lab	Notch set
74	Civil Engineering	Hydraulics Lab	Reciprocating pump arrangement
75	Civil Engineering	Hydraulics Lab	Centrifugal pump arrangement
76	Civil Engineering	Hydraulics Lab	Bernoullis apparatus
77	Civil Engineering	Hydraulics Lab	Orifice meter
78	Civil Engineering	Hydraulics Lab	Venturi meter
79	Civil Engineering	Hydraulics Lab	Venturi meter Glass tube
80	Civil Engineering	Hydraulics Lab	Pelton wheel Turbime
81	Civil Engineering	Hydraulics Lab	Pneumatic Trainer kit
82	Civil Engineering	Hydraulics Lab	Rain gauge
83	Civil Engineering	Hydraulics Lab	Pipe friction
84	Mechanical Engineering	Manufacturing Technology Lab	VIJAY 4 ½" LATHE
85	Mechanical Engineering	Manufacturing Technology Lab	KAVERI 4 ½" LATHE
86	Mechanical Engineering	Manufacturing Technology Lab	TESO 5 ½" LATHE
87	Mechanical Engineering	Manufacturing Technology Lab	P.M.W 4 ½" LATHE
88	Mechanical Engineering	Manufacturing Technology Lab	THEELIP 4 ½" LATHE
89	Mechanical Engineering	Manufacturing Technology Lab	VIMAL 4 ½" LATHE

90	Mechanical Engineering	Manufacturing Technology Lab	SAKTHI 4 ½" LATHE
91	Mechanical Engineering	Manufacturing Technology Lab	UDHAI 4 ½" LATHE
92	Mechanical Engineering	Manufacturing Technology Lab	DRILL CHUCK
93	Mechanical Engineering	Manufacturing Technology Lab	DEAD CENTER
94	Mechanical Engineering	Manufacturing Technology Lab	KNURLING TOOL
95	Mechanical Engineering	Manufacturing Technology Lab	KNURLING TOOL(BIG)
96	Mechanical Engineering	Manufacturing Technology Lab	KNURLING TOOL(BIG)
97	Mechanical Engineering	Manufacturing Technology Lab	TOOL HOLDER
98	Mechanical Engineering	Manufacturing Technology Lab	TOOL HOLDER KEY
99	Mechanical Engineering	Manufacturing Technology Lab	ALLIEN KEY SET
100	Mechanical Engineering	Manufacturing Technology Lab	SUEFACE GAUGE
101	Mechanical Engineering	Manufacturing Technology Lab	SUEFACE GAUGE
102	Mechanical Engineering	Manufacturing Technology Lab	TOOL HOLDER
103	Mechanical Engineering	Manufacturing Technology Lab	OIL CAN
104	Mechanical Engineering	Manufacturing Technology Lab	DRILL CHUCK
105	Mechanical Engineering	Manufacturing Technology Lab	SLEEVE
106	Mechanical Engineering	Manufacturing Technology Lab	LATHE CHUCK KEY
107	Mechanical Engineering	Manufacturing Technology Lab	SCREW DRIVER
108	Mechanical Engineering	Manufacturing Technology Lab	DRILL BIT
109	Mechanical Engineering	Manufacturing Technology Lab	TAPER SHANK DRILL BIT
110	Mechanical Engineering	Manufacturing Technology Lab	TAP SET
111	Mechanical Engineering	Manufacturing Technology Lab	DRILL CHUCK KEY

112	Mechanical Engineering	Manufacturing Technology Lab	NUMBER PUNCH
113	Mechanical Engineering	Manufacturing Technology Lab	NEEDLE FILE
114	Mechanical Engineering	Manufacturing Technology Lab	BORING BAR WITH TOOL
115	Mechanical Engineering	Manufacturing Technology Lab	DIE
116	Mechanical Engineering	Manufacturing Technology Lab	ALIEN KEY
117	Mechanical Engineering	Manufacturing Technology Lab	SCREW DRIVER(MULTI PURPOSE)
118	Mechanical Engineering	Manufacturing Technology Lab	M/C NO 4,7,8,9,11,13
119	Mechanical Engineering	Manufacturing Technology Lab	MILLING M/C HMC
120	Mechanical Engineering	Manufacturing Technology Lab	SLOTTER
121	Mechanical Engineering	Manufacturing Technology Lab	CYLINDRICAL GRINDING M/C
122	Mechanical Engineering	Manufacturing Technology Lab	HAND GRINDING M/C
123	Mechanical Engineering	Manufacturing Technology Lab	VMC
124	Mechanical Engineering	Manufacturing Technology Lab	PLANNER
125	Mechanical Engineering	Manufacturing Technology Lab	POWER HACKSAW
126	Mechanical Engineering	Manufacturing Technology Lab	BENCH GRINDER
127	Mechanical Engineering	Manufacturing Technology Lab	SENSIBLE DRILLING(6")
128	Mechanical Engineering	Manufacturing Technology Lab	SENSIBLE DRILLING
129	Mechanical Engineering	Manufacturing Technology Lab	RADIAL DRILLING
130	Mechanical Engineering	Manufacturing Technology Lab	DRILL BIT
131	Mechanical Engineering	Manufacturing Technology Lab	END MILL CUTTER
132	Mechanical Engineering	Manufacturing Technology Lab	TAP SET
133	Mechanical Engineering	Manufacturing Technology Lab	SURFACE GRINDER

134	Mechanical Engineering	Manufacturing Technology Lab	SHAPER(LIGHT)
135	Mechanical Engineering	Manufacturing Technology Lab	SHAPER (HEAVY)
136	Mechanical Engineering	Manufacturing Technology Lab	T&C GRINDER
137	Mechanical Engineering	Manufacturing Technology Lab	TURRET LATHE
138	Mechanical Engineering	Smithy Lab	ANVIL 100 KG
139	Mechanical Engineering	Smithy Lab	ANVIL 50 KG
140	Mechanical Engineering	Smithy Lab	TONG
141	Mechanical Engineering	Smithy Lab	SWAGE BLOCK
142	Mechanical Engineering	Smithy Lab	BLOWER
143	Mechanical Engineering	Smithy Lab	GATE VALVE
144	Mechanical Engineering	Smithy Lab	HAMMER
145	Mechanical Engineering	Smithy Lab	FIRE BUCKET
146	Mechanical Engineering	Smithy Lab	FIRE STAND
147	Mechanical Engineering	Welding Lab	GAS WELDING
148	Mechanical Engineering	Welding Lab	ARC WELDING
149	Mechanical Engineering	Welding Lab	ARC WELDING
150	Mechanical Engineering	Welding Lab	SPOT WELDING
151	Mechanical Engineering	Welding Lab	SOLIDERING
152	Mechanical Engineering	Welding Lab	SHIRLD WITH GLASS
153	Mechanical Engineering	Welding Lab	HOLDER
154	Mechanical Engineering	Welding Lab	HAND GLOVES
155	Mechanical Engineering	Welding Lab	WIRE BRUSH
156	Mechanical Engineering	Foundry Lab	SOLID PATTERN(CUBE)
157	Mechanical Engineering	Foundry Lab	STEPED PULLY
158	Mechanical Engineering	Foundry Lab	CONE PULLY
159	Mechanical Engineering	Foundry Lab	BEARING BLOCK
160	Mechanical Engineering	Foundry Lab	GEAR PATTERN
161	Mechanical Engineering	Foundry Lab	SPLIT PATTERN
162	Mechanical Engineering	Foundry Lab	MOULDING BOX
163	Mechanical Engineering	Foundry Lab	MOULDING BOARD
164	Mechanical Engineering	Foundry Lab	RAMMER
165	Mechanical Engineering	Foundry Lab	RUNNER-RISER
166	Mechanical Engineering	Foundry Lab	STRIKE FO BAR
167	Mechanical Engineering	Foundry Lab	VENT WIRE
168	Mechanical Engineering	Foundry Lab	PATTERN LIFTER

169	Mechanical Engineering	Foundry Lab	DRAW SPIKE
170	Mechanical Engineering	Foundry Lab	SHOWEL
171	Mechanical Engineering	Foundry Lab	SLICK
172	Mechanical Engineering	Foundry Lab	TROEWL
173	Mechanical Engineering	Foundry Lab	BEND PIPE PATTERN
174	Mechanical Engineering	Foundry Lab	RIDDLE
175	Mechanical Engineering	Foundry Lab	SAND REMOVER
176	Mechanical Engineering	Foundry Lab	GATE CUTTER
177	Mechanical Engineering	Process Automation Lab	TRAINER KIT
178	Mechanical Engineering	Process Automation Lab	PLC TRAINER
179	Mechanical Engineering	Computer Integrated Manufacturing Lab	CNC LATHE
180	Mechanical Engineering	Computer Integrated Manufacturing Lab	CNC MILLING MACHINE
181	Mechanical Engineering	Thermal Lab	TWO STROKE PETROL ENGINE CUT MODEL
182	Mechanical Engineering	Thermal Lab	FOUR STROKE PETROL ENGINE CUT MODEL
183	Mechanical Engineering	Thermal Lab	SINGLE STAGE AIR COMPRESSOR
184	Mechanical Engineering	Thermal Lab	SPANNER SET
185	Mechanical Engineering	Thermal Lab	SCHOCKET SPANNER
186	Mechanical Engineering	Thermal Lab	SCREW DRIVER
187	Mechanical Engineering	Thermal Lab	TORQU WRENCH
188	Mechanical Engineering	Thermal Lab	FEELER GAUGE
189	Mechanical Engineering	Thermal Lab	CREEPING TOOL
190	Mechanical Engineering	Thermal Lab	NOZZLE TESTER
191	Mechanical Engineering	Thermal Lab	VERNIER CALIPER
192	Mechanical Engineering	Thermal Lab	CIRCLIP PILLER
193	Mechanical Engineering	Thermal Lab	CYLINDER BORE GAUGE
194	Mechanical Engineering	Thermal Lab	OUTSIDE MICROMETER
195	Mechanical Engineering	Thermal Lab	TACHOMETER
196	Mechanical Engineering	Thermal Lab	FLASH AND FIRE POINT
197	Mechanical Engineering	Thermal Lab	FLASH AND FIRE POINT
198	Mechanical Engineering	Thermal Lab	CLOSED CUP APPARATUS
199	Mechanical Engineering	Thermal Lab	CLOSED CUP APPARATUS

200	Mechanical Engineering	Thermal Lab	RED WOOD VISCOMETER
201	Mechanical Engineering	Thermal Lab	RED WOOD VISCOMETER
202	Mechanical Engineering	Thermal Lab	SAYBOLD VISCOMETER
203	Mechanical Engineering	Thermal Lab	SAYBOLD VISCOMETER
204	Mechanical Engineering	Thermal Lab	PERFORMANCE TEST ON TEST RIG
205	Mechanical Engineering	Thermal Lab	STOP WATCH
206	Mechanical Engineering	Thermal Lab	THERMOMETER
207	Mechanical Engineering	Thermal Lab	MULTI TOOL
208	Mechanical Engineering	Thermal Lab	BOMB CALORIMETER
209	Mechanical Engineering	Thermal Lab	JUNKER GAS CALORIMETER
210	Mechanical Engineering	Thermal Lab	FOUR STROKE PETROL ENGINE CUT MODEL
211	Mechanical Engineering	Thermal Lab	FOUR STROKE DIESEL ENGINE
212	Mechanical Engineering	Thermal Lab	MEASURING TAPE
213	Mechanical Engineering	Thermal Lab	MEASURING TAPE
214	Mechanical Engineering	Thermal Lab	FLASK
215	Mechanical Engineering	Thermal Lab	SINGLE CYLINDER FOUR STROKE PETROL ENGINE
216	Mechanical Engineering	Thermal Lab	MULTI CYLINDER FOUR STROKE PETROL
217	Mechanical Engineering	Thermal Lab	REFRIGERATION KIT
218	Mechanical Engineering	Thermal Lab	GUARDED PLATE TEST
219	Mechanical Engineering	Thermal Lab	BOILER KIT
220	Mechanical Engineering	Thermal Lab	DIGITAL EXHAUST
221	Mechanical Engineering	Thermal Lab	DIGITAL SMOKE METER
222	Mechanical Engineering	Automobile Lab	SYNCHROMESH GEAR BOX
223	Mechanical Engineering	Automobile Lab	SYNCHROMESH GEAR BOX
224	Mechanical Engineering	Automobile Lab	SYNCHROMESH GEAR BOX
225	Mechanical Engineering	Automobile Lab	STEERING GEAR BOX
226	Mechanical Engineering	Automobile Lab	REAR AXLE ASSEMBLY
227	Mechanical Engineering	Automobile Lab	REAR AXLE ASSEMBLY
228	Mechanical Engineering	Automobile Lab	REAR AXLE ASSEMBLY
229	Mechanical Engineering	Automobile Lab	AIR BRAKE
230	Mechanical Engineering	Automobile Lab	ASSEMBLY SELF STARTER
231	Mechanical Engineering	Automobile Lab	CLUTCH OVER ASSEMBLY
232	Mechanical Engineering	Automobile Lab	SLIDING MESH GEAR BOX
233	Mechanical Engineering	Automobile Lab	OIL PUMP
234	Mechanical Engineering	Automobile Lab	OIL PUMP

235	Mechanical Engineering	Automobile Lab	OIL PUMP
236	Mechanical Engineering	Automobile Lab	FUEL INJECTOR
237	Mechanical Engineering	Automobile Lab	WHEEL ALIGNER
238	Mechanical Engineering	Automobile Lab	FUEL PUMP
239	Mechanical Engineering	Automobile Lab	PROPLER SHAFT
240	Mechanical Engineering	Automobile Lab	DISTRIBUTER
241	Mechanical Engineering	Automobile Lab	IGNATION COIL
242	Mechanical Engineering	Automobile Lab	HORN
243	Mechanical Engineering	Automobile Lab	STARTER MOTOR
244	Mechanical Engineering	Automobile Lab	DESIL ENGINE
245	Mechanical Engineering	Automobile Lab	PETROL ENGINE( SINGLE CYLINDER)
246	Mechanical Engineering	Automobile Lab	PETROL ENGINE(4 CYLINDER)
247	Mechanical Engineering	Automobile Lab	DESIL PUMP
248	Mechanical Engineering	Automobile Lab	RIM
249	Mechanical Engineering	Automobile Lab	SOLEX CARBURATOR
250	Mechanical Engineering	Automobile Lab	ALTERNATOR
251	Mechanical Engineering	Automobile Lab	BATTERY
252	Mechanical Engineering	Automobile Lab	BATERYU CABLE
253	Mechanical Engineering	Automobile Lab	WATER PUMP
254	Mechanical Engineering	Automobile Lab	WHEEL ALIGNMENT (ROD TYPE)
255	Mechanical Engineering	Automobile Lab	IGNATION TIMING LIGHT
256	Mechanical Engineering	Automobile Lab	BRAKE AND STEARING
257	Mechanical Engineering	Automobile Lab	HYDROMETER
258	Mechanical Engineering	Automobile Lab	BATTERY DISCHARGE TESTER
259	Mechanical Engineering	Automobile Lab	HORN RELAY &WIPER
260	Mechanical Engineering	Automobile Lab	IGNATION SYSTEM CIRCUIT BOARD
261	Mechanical Engineering	Automobile Lab	LIGHTING WIRE KIT
262	Mechanical Engineering	Automobile Lab	SHOCK OBSERBER
263	Mechanical Engineering	Automobile Lab	LEAF SPRING
264	Mechanical Engineering	Automobile Lab	VALCALICING TOOL KIT
265	Mechanical Engineering	Automobile Lab	VI KIT
266	Mechanical Engineering	Automobile Lab	RECTIFIER
267	Mechanical Engineering	Automobile Lab	BRIDGE RECTIFIER
268	Mechanical Engineering	Automobile Lab	FLIP FLOPS
269	Mechanical Engineering	Automobile Lab	BATERY CHARGER
270	Mechanical Engineering	Automobile Lab	WHEEL BALANCER
271	Mechanical Engineering	Quantity & Control Lab	MICROSCOPE

272	Mechanical Engineering	Quantity & Control Lab	LIQUID PENETRATION TEST
273	Mechanical Engineering	Quantity & Control Lab	MAGNETIC YOKE
274	Mechanical Engineering	Quantity & Control Lab	BELT GRINDER
275	Mechanical Engineering	Quantity & Control Lab	LAPPING MACHINE
276	Mechanical Engineering	Quantity & Control Lab	SAMPLE SPECIMAN
277	Mechanical Engineering	Quantity & Control Lab	SAMPLE WORKPIECE
278	Electrical And Electronics Engineering	Electrical circuits & Machines lab	D.C panel unit
279	Electrical And Electronics Engineering	Electrical circuits & Machines lab	D.C Rectifier unit
280	Electrical And Electronics Engineering	Electrical circuits & Machines lab	1 $\Phi$ Transformer
281	Electrical And Electronics Engineering	Electrical circuits & Machines lab	1 $\Phi$ Auto- Transformer
282	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Tachometer
283	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Variable rheostat
284	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Wattmeter
285	Electrical And Electronics Engineering	Electrical circuits & Machines lab	DC Series Motor With 2 Point Starter
286	Electrical And Electronics Engineering	Electrical circuits & Machines lab	DC Compound Motor With 4 Point Starter
287	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Voltmeter(0-300V)MC
288	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Ammeter(0-2A)MC
289	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Ammeter(0-10A)MC
290	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Ammeter(0-5A)MC
291	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Ammeter(0-7.5A)MC
292	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Dc Generator Coupled with DC motor for Load Test (Compound Generator)
293	Electrical And Electronics Engineering	Electrical circuits & Machines lab	Dc Generator Coupled with DC motor for O.C.C Test

294	Electrical And Electronics Engineering	Electrical circuits & Machines lab	3 HP DC Shunt Motor
295	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Cathode ray oscilloscope
296	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Solar cell and optocoupler kit
297	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	RC coupled amplifier kit
298	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Negative feed back amplifier
299	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Emitter follower kit
300	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Hartley and Colpitts oscillator kit
301	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Regulated power supply
302	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Dual powersupply
303	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	volt meter (0-30 v)
304	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	volt meter (0-50 v)
305	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	volt meter (0-10 v)
306	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Ammeter(0-100MA)
307	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Ammeter(0-500MA)
308	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Ammeter(0-250MA)
309	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Ammeter(0-50MA)

310	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Ammeter(0-15MA)
311	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Decade resistance box
312	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Decade inductance box
313	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Decade capacitance box
314	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Ammeter(0-100 $\mu$ A)
315	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Ammeter(0-500 $\mu$ A)
316	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	volt meter (0-1 v)
317	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	RC phase shift oscillator kit
318	Electrical And Electronics Engineering	Electronic Devices & Circuits lab	Common source amplifier kit
319	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Lamp load
320	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	1 $\Phi$ Energy meter
321	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	3 $\Phi$ Energy meter
322	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	3 $\Phi$ main
323	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	1 $\Phi$ main
324	Electrical And Electronics	Electrical	3 $\Phi$ dimmer stat (variac)

	Engineering	machines & Instrumentation lab	
325	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Rotor resistance starter
326	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	3 Auto Transformer
327	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	3 $\Phi$ Dimmer Stat
328	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	1 $\Phi$ Alternator- DC Motor Set
329	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Synchronous Motor
330	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Voltmeter(0-500V)MI
331	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Voltmeter(0-300V)MI
332	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Voltmeter(0-150V)MI
333	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Ammeter(0-10A)MI
334	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Ammeter(0-15A)MI
335	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Ammeter(0-5A)MI
336	Electrical And Electronics Engineering	Electrical machines &	Ammeter(0-3A)MI

		Instrumentation lab	
337	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Ammeter(0-2A)MI
338	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	5 HP Squirrel Cage Induction Motor
339	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Brake Drum & Loading Arrangement
340	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Brake Drum & Loading Arrangement
341	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	3 $\Phi$ 5 KVA Transformer
342	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Wheatstone Bridge
343	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Anderson Bridge
344	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Schering Bridge
345	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	LVDT
346	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Earth Tester
347	Electrical And Electronics Engineering	Electrical machines & Instrumentation lab	Load Cell
348	Electrical And Electronics Engineering	Digital Electronics lab	Multiplexer and demultiplexer kit

349	Electrical And Electronics Engineering	Digital Electronics lab	Analog to digital converter
350	Electrical And Electronics Engineering	Digital Electronics lab	Digital IC trainer Kit
351	Electrical And Electronics Engineering	Digital Electronics lab	RPS(0-300V)
352	Electrical And Electronics Engineering	Wiring & Winding Lab	Spanner
353	Electrical And Electronics Engineering	Wiring & Winding Lab	Spare Items
354	Electrical And Electronics Engineering	Wiring & Winding Lab	Pocker
355	Electrical And Electronics Engineering	Wiring & Winding Lab	Tube Light Set
356	Electrical And Electronics Engineering	Wiring & Winding Lab	Wiring Board
357	Electrical And Electronics Engineering	Wiring & Winding Lab	Drill Bit
358	Electrical And Electronics Engineering	Wiring & Winding Lab	SWG
359	Electrical And Electronics Engineering	Wiring & Winding Lab	Hand Drilling Machine
360	Electrical And Electronics Engineering	Wiring & Winding Lab	Nose Pliers
361	Electrical And Electronics Engineering	Wiring & Winding Lab	Screw Driver
362	Electrical And Electronics Engineering	Wiring & Winding Lab	Combination Pliers
363	Electrical And Electronics Engineering	Wiring & Winding Lab	Hammer
364	Electrical And Electronics Engineering	Wiring & Winding Lab	Pattern Holder
365	Electrical And Electronics Engineering	Wiring & Winding Lab	Single Way Switch
366	Electrical And Electronics Engineering	Wiring & Winding Lab	Two Way Switch
367	Electrical And Electronics Engineering	Wiring & Winding Lab	3 Pin Wall Socket
368	Electrical And Electronics Engineering	Micro controller Lab	4 Digit 7 Segment LED Interface
369	Electrical And Electronics Engineering	Micro controller Lab	16*1 LCD Interface
370	Electrical And Electronics Engineering	Micro controller Lab	ADC 0809 Interface

371	Electrical And Electronics Engineering	Micro controller Lab	RS 232 Cable With Software in Floppy
372	Electrical And Electronics Engineering	Micro controller Lab	Stepper Motor Interface
373	Electrical And Electronics Engineering	Micro controller Lab	DC Motor Interface
374	Electrical And Electronics Engineering	Micro controller Lab	4 Channel Relay Interface
375	Electrical And Electronics Engineering	Micro controller Lab	8051 Microcontroller Kit
376	Electrical And Electronics Engineering	Micro controller Lab	8255 Interface Board
377	Electrical And Electronics Engineering	Micro controller Lab	Hex key board Interface
378	Electrical And Electronics Engineering	Micro controller Lab	8 Channel ADC
379	Electrical And Electronics Engineering	Micro controller Lab	DAC interface card
380	Electrical And Electronics Engineering	Micro controller Lab	Traffic Light Interface
381	Electrical And Electronics Engineering	Micro controller Lab	Printer Interface
382	Electrical And Electronics Engineering	Micro controller Lab	Lift Control Interface
383	Electrical And Electronics Engineering	Control of Electrical machines Lab	Plug stop & plug reversal of cage motor kit
384	Electrical And Electronics Engineering	Control of Electrical machines Lab	Automatic star delta starter kit
385	Electrical And Electronics Engineering	Control of Electrical machines Lab	Jogging for cage motor kit
386	Electrical And Electronics Engineering	Control of Electrical machines Lab	Automatic Rotor Resistance Starter Kit
387	Electrical And Electronics Engineering	Control of Electrical machines Lab	Dynamic braking Kit
388	Electrical And Electronics Engineering	Control of Electrical machines Lab	Electronic 1 $\Phi$ Preventer Kit
389	Electrical And Electronics Engineering	Control of Electrical machines Lab	Semi automatic Star delta starter kit
390	Electrical And Electronics Engineering	Control of	DC Motor speed Controller Kit

	Engineering	Electrical machines Lab	
391	Electrical And Electronics Engineering	Control of Electrical machines Lab	Remote and Interlocking Operation Kit
392	Electrical And Electronics Engineering	Control of Electrical machines Lab	2 speed / 2 Way Control Kit
393	Electrical And Electronics Engineering	Control of Electrical machines Lab	PLC Trainer Kit, Data Cable
394	Electrical And Electronics Engineering	Control of Electrical machines Lab	Solid State Relay
395	Electrical And Electronics Engineering	Control of Electrical machines Lab	Breakdown & Di-electric Kit
396	Electrical And Electronics Engineering	Control of Electrical machines Lab	Two speed pole changing motor kit
397	Electrical And Electronics Engineering	Control of Electrical machines Lab	DOL Starter using PLC Kit
398	Electrical And Electronics Engineering	Control of Electrical machines Lab	Star-Delta Starter using PLC Kit
399	Electrical And Electronics Engineering	Control of Electrical machines Lab	1 $\Phi$ Preventer Kit using PLC
400	Electrical And Electronics Engineering	Control of Electrical machines Lab	Induction Type Earth fault Relay
401	Electrical And Electronics Engineering	Control of Electrical machines Lab	Thermal Over Load Relay
402	Electrical And Electronics Engineering	Power Electronics Lab,	Line Synchronized UJT Trigger Circuit Trainer
403	Electrical And Electronics Engineering	Power Electronics Lab,	Ramp & Pedestal Trigger Circuit for AC Load Kit
404	Electrical And Electronics Engineering	Power Electronics Lab,	1 $\Phi$ Half controlled Bridge kit
405	Electrical And Electronics Engineering	Power Electronics Lab,	1 $\Phi$ Fully controlled Bridge Kit
406	Electrical And Electronics Engineering	Power Electronics Lab,	SCR Commutation Circuit Kit
407	Electrical And Electronics Engineering	Power Electronics Lab,	Basic Series Inverter Kit

408	Electrical And Electronics Engineering	Power Electronics Lab,	DC Chopper Control Kit
409	Electrical And Electronics Engineering	Power Electronics Lab,	1 $\Phi$ to 1 $\Phi$ Cyclo converter Kit
410	Electrical And Electronics Engineering	Power Electronics Lab,	DC Motor Control Circuit Kit
411	Electrical And Electronics Engineering	Power Electronics Lab,	Universal Motor Control Circuit Kit
412	Electrical And Electronics Engineering	Power Electronics Lab,	DIAC TRIAC Lamp Control Circuit Kit
413	Electrical And Electronics Engineering	Power Electronics Lab,	Single Phase Parallel inverter
414	Electrical And Electronics Engineering	Power Electronics Lab,	PWM based Step down chopper
415	Electrical And Electronics Engineering	Power Electronics Lab,	1 $\Phi$ single pulse inverter using MOSFET/IGBT
416	Electrical And Electronics Engineering	Power Electronics Lab,	3 $\Phi$ half bridge/full bridge converter
417	Electrical And Electronics Engineering	Power Electronics Lab,	SMPS using MOSFET
418	Electrical And Electronics Engineering	Power Electronics Lab,	UJT Trigger circuit and ramp and pedestal ckt
419	Electrical And Electronics Engineering	Power Electronics Lab,	Closed Loop Control of DC Motor Trainer
420	Electrical And Electronics Engineering	Power Electronics Lab,	Closed Loop Control of AC Motor Trainer
421	Electronics And Communications Engineering	EDC LAB	RPS
422	Electronics And Communications Engineering	EDC LAB	Dual RPS
423	Electronics And Communications Engineering	EDC LAB	FG
424	Electronics And Communications Engineering	EDC LAB	CRO (20 MHz)
425	Electronics And Communications Engineering	EDC LAB	Ammeter (0-250mA)
426	Electronics And Communications Engineering	EDC LAB	Ammeter (0-100mA)
427	Electronics And Communications Engineering	EDC LAB	Digital Ammeter (0-100)mA
428	Electronics And Communications Engineering	EDC LAB	Digital Ammeter (0-500) $\mu$ A
429	Electronics And Communications Engineering	EDC LAB	Ammeter (0-250 $\mu$ A)

430	Electronics And Communications Engineering	EDC LAB	Voltmeter (0-1)V
431	Electronics And Communications Engineering	EDC LAB	Voltmeter (0-5)V
432	Electronics And Communications Engineering	EDC LAB	Voltmeter (0-30)V
433	Electronics And Communications Engineering	EDC LAB	Digital voltmeter (0-50)V
434	Electronics And Communications Engineering	EDC LAB	RPS (0-300)V
435	Electronics And Communications Engineering	EDC LAB	RC Coupled amplifier kit
436	Electronics And Communications Engineering	EDC LAB	Astable kit
437	Electronics And Communications Engineering	EDC LAB	RC Phase shift Oscillator kit
438	Electronics And Communications Engineering	ECI LAB	RPS
439	Electronics And Communications Engineering	ECI LAB	FG
440	Electronics And Communications Engineering	ECI LAB	CRO (0-20MHz)
441	Electronics And Communications Engineering	ECI LAB	Ammeter (0-500) $\mu$ A
442	Electronics And Communications Engineering	ECI LAB	Ammeter (0-50) $\mu$ A
443	Electronics And Communications Engineering	ECI LAB	Ammeter (0-100mA)
444	Electronics And Communications Engineering	ECI LAB	Voltmeter (0-30)V
445	Electronics And Communications Engineering	ECI LAB	Voltmeter (0-3)V
446	Electronics And Communications Engineering	ECI LAB	Voltmeter (0-50)V
447	Electronics And Communications Engineering	ECI LAB	Galvano meter
448	Electronics And Communications Engineering	ECI LAB	Voltmeter (0-10)V
449	Electronics And Communications Engineering	ECI LAB	Strain Gauge Kit
450	Electronics And Communications Engineering	ECI LAB	LVDT Kit
451	Electronics And Communications Engineering	ECI LAB	Load cell

452	Electronics And Communications Engineering	ECI LAB	RLC kit
453	Electronics And Communications Engineering	ECI LAB	DSO
454	Electronics And Communications Engineering	ACS LAB	RPS
455	Electronics And Communications Engineering	ACS LAB	FG
456	Electronics And Communications Engineering	ACS LAB	CRO (0-60)MHz
457	Electronics And Communications Engineering	ACS LAB	CRO (30MHz)
458	Electronics And Communications Engineering	ACS LAB	FSK Tx& Rx kit
459	Electronics And Communications Engineering	ACS LAB	PSK Tx& Rx kit
460	Electronics And Communications Engineering	ACS LAB	ASK Tx&Rx kit
461	Electronics And Communications Engineering	ACS LAB	Fiber optic Training system
462	Electronics And Communications Engineering	ACS LAB	TDM
463	Electronics And Communications Engineering	ACS LAB	Analog Tx&Rx kit
464	Electronics And Communications Engineering	ACS LAB	Fiber optic Analog kit
465	Electronics And Communications Engineering	ACS LAB	Fiber optic Digital kit
466	Electronics And Communications Engineering	ACS LAB	Manchester coding
467	Electronics And Communications Engineering	ACS LAB	PCM Tx&Rx kit
468	Electronics And Communications Engineering	ACS LAB	DTH
469	Electronics And Communications Engineering	IC LAB	IC Trainer Kit
470	Electronics And Communications Engineering	IC LAB	MUX& DEMUX kit
471	Electronics And Communications Engineering	IC LAB	DAC kit
472	Electronics And Communications Engineering	MC LAB	MC kit
473	Electronics And Communications Engineering	MC LAB	Digital I/O interface

474	Electronics And Communications Engineering	MC LAB	Matrix Keyboard
475	Electronics And Communications Engineering	MC LAB	7 segment display
476	Electronics And Communications Engineering	MC LAB	Traffic light controller
477	Electronics And Communications Engineering	MC LAB	8 bit ADC& DAC
478	Electronics And Communications Engineering	MC LAB	Serial port Interface
479	Electronics And Communications Engineering	MC LAB	Stepper motor interface
480	Electronics And Communications Engineering	MC LAB	DC Motor interface
481	Electronics And Communications Engineering	IECE LAB	PLC Trainer kit
482	Electronics And Communications Engineering	IECE LAB	FM Tx&Rx kit
483	Electronics And Communications Engineering	IECE LAB	PAM Kit
484	Electronics And Communications Engineering	IECE LAB	PPM Kit
485	Electronics And Communications Engineering	IECE LAB	PWM Kit
486	Electronics And Communications Engineering	IECE LAB	Multiple sinewave inverter kit
487	Electronics And Communications Engineering	IECE LAB	SCR Commutation kit
488	Electronics And Communications Engineering	IECE LAB	Single Phase inverter kit
489	Electronics And Communications Engineering	IECE LAB	MOSFET chopper
490	Electronics And Communications Engineering	IECE LAB	IC Buck converter
491	Electronics And Communications Engineering	IECE LAB	FM modulator kit
492	Electronics And Communications Engineering	VLSI LAB	VLSI kit
493	Electronics And Communications Engineering	EMBEDDED LAB	ARM kit
494	Computer Engineering	Computer Lab 1 & 2	Sever
495	Computer Engineering	Computer Lab 1 & 2	Computer

496	Computer Engineering	Computer Lab 1 & 2	Printer
497	Computer Engineering	Computer Lab 1 & 2	Ethernet Switch
498	Computer Engineering	Computer Lab 1 & 2	Dot Matrix Printer
499	Computer Engineering	Computer Lab 1 & 2	Injet Printer
500	Computer Engineering	Computer Lab 1 & 2	CD Writer
501	Computer Engineering	Computer Lab 1 & 2	TV Tuner Card
502	Computer Engineering	Computer Lab 1 & 2	Speeker Set
503	Computer Engineering	Computer Lab 1 & 2	Head Phone
504	Computer Engineering	Computer Lab 1 & 2	Pen drive
505	Computer Engineering	Computer Lab 1 & 2	External Hard disk Casing
506	Computer Engineering	Computer Lab 1 & 2	Modem
507	Computer Engineering	Computer Lab 1 & 2	Web Camera
508	Computer Engineering	Computer Lab 1 & 2	UPS
509	Computer Engineering	Computer Lab 1 & 2	DVD Writer
510	Computer Engineering	Computer Lab 1 & 2	Battery
511	Computer Engineering	Computer Lab 1 & 2	TATA Sky Dish
512	Computer Engineering	Computer Lab 3 & 4	Computer
513	Computer Engineering	Computer Lab 3 & 4	Printer
514	Computer Engineering	Computer Lab 3 & 4	Scanner
515	Computer Engineering	Computer Lab 3 & 4	Ethernet Switch
516	Computer Engineering	Computer Lab 3 & 4	VCD Player
517	Computer Engineering	Computer Centre	Computer
518	Computer Engineering	Computer Centre	Printer

519	Computer Engineering	Computer Centre	Ethernet Switch
520	Computer Engineering	Computer Centre	UPS
521	Computer Engineering	Computer Centre	Battery
522	First Year/Other	Physics Lab	Screw Gauge
523	First Year/Other	Physics Lab	Vernier Caliper
524	First Year/Other	Physics Lab	Concurrent Force Apparatus
525	First Year/Other	Physics Lab	Slotted weight
526	First Year/Other	Physics Lab	magnetometer
527	First Year/Other	Physics Lab	Bar Magnet
528	First Year/Other	Physics Lab	Compass Box
529	First Year/Other	Physics Lab	Meter Scale
530	First Year/Other	Physics Lab	Stop Clock
531	First Year/Other	Physics Lab	Stop Watch
532	First Year/Other	Physics Lab	Castor Oil(500 ml)
533	First Year/Other	Physics Lab	Glass Beads
534	First Year/Other	Physics Lab	Glass Beaker
535	First Year/Other	Physics Lab	Glass Funnel
536	First Year/Other	Physics Lab	Stokes Tall Glass
537	First Year/Other	Physics Lab	Burette
538	First Year/Other	Physics Lab	Burette Stand
539	First Year/Other	Physics Lab	Rubber Tube
540	First Year/Other	Physics Lab	Capillary Tube
541	First Year/Other	Physics Lab	Sonometer Weight hanger
542	First Year/Other	Physics Lab	Sonometer String
543	First Year/Other	Physics Lab	Tuning Fork Box
544	First Year/Other	Physics Lab	Knife Edges
545	First Year/Other	Physics Lab	Rubber Cork
546	First Year/Other	Physics Lab	Rubber Pad
547	First Year/Other	Physics Lab	Travelling Microscope
548	First Year/Other	Physics Lab	Reading Lens
549	First Year/Other	Physics Lab	Ammeter
550	First Year/Other	Physics Lab	Voltmeter
551	First Year/Other	Physics Lab	Galvanometer
552	First Year/Other	Physics Lab	RPS(Battery)
553	First Year/Other	Physics Lab	Semi conductor Diode Transistor
554	First Year/Other	Physics Lab	Transformer
555	First Year/Other	Physics Lab	Prism

556	First Year/Other	Physics Lab	Prism Stand
557	First Year/Other	Physics Lab	Spectrometer
558	First Year/Other	Physics Lab	Sodium Vapour Lamp
559	First Year/Other	Physics Lab	Pencil Jockey
560	First Year/Other	Physics Lab	Resistance Box(2 ohm)
561	First Year/Other	Physics Lab	Resistance Box(5 ohm)
562	First Year/Other	Physics Lab	Resistance Box(Double dial)
563	First Year/Other	Physics Lab	Resistance Box(Five dial)
564	First Year/Other	Physics Lab	Rheostat
565	First Year/Other	Physics Lab	Single Plug Key
566	First Year/Other	Physics Lab	Connecting Wire
567	First Year/Other	Physics Lab	Daniel Cell
568	First Year/Other	Physics Lab	Lechlanche Cell
569	First Year/Other	Physics Lab	Joules Calorimeter
570	First Year/Other	Physics Lab	Thermometer
571	First Year/Other	Physics Lab	Copper Voltmeter
572	First Year/Other	Physics Lab	Copper Plate
573	First Year/Other	Physics Lab	Copper Sulphate
574	First Year/Other	Physics Lab	DPDT Switch
575	First Year/Other	Physics Lab	Meter Bridge
576	First Year/Other	Physics Lab	Potentiometer
577	First Year/Other	Physics Lab	High Resistance
578	First Year/Other	Physics Lab	Digital Balance
579	First Year/Other	Physics Lab	Solar Cell kit
580	First Year/Other	Physics Lab	P.N.junction Diode
581	First Year/Other	Physics Lab	Logic Kit
582	First Year/Other	Physics Lab	Digital Multimeter
583	First Year/Other	Physics Lab	Tester
584	First Year/Other	Physics Lab	Soldering Rod
585	First Year/Other	Physics Lab	Pendulam bob
586	First Year/Other	Physics Lab	Spirit Lamp
587	First Year/Other	Physics Lab	Bread Board
588	First Year/Other	Physics Lab	Split Cork
589	First Year/Other	Physics Lab	Steam Boiler
590	First Year/Other	Physics Lab	Spring Balance
591	First Year/Other	Physics Lab	Calorimeter
592	First Year/Other	Physics Lab	Torsion Pendulam

593	First Year/Other	Physics Lab	Physical Balance with weight
594	First Year/Other	Physics Lab	Retort Stand
595	First Year/Other	Physics Lab	Spirit Level
596	First Year/Other	Chemistry Lab	Reagent Bottle (125 ml) -White
597	First Year/Other	Chemistry Lab	Reagent Bottle (250ml) -Narrow Mouth White
598	First Year/Other	Chemistry Lab	Reagent Bottle (250 ml) -Wide Mouth
599	First Year/Other	Chemistry Lab	Reagent Bottle (250 ml) –Amber Brown
600	First Year/Other	Chemistry Lab	Porcelain Tiles
601	First Year/Other	Chemistry Lab	Boiling tube
602	First Year/Other	Chemistry Lab	Burette (50 ml)
603	First Year/Other	Chemistry Lab	Burette Stand
604	First Year/Other	Chemistry Lab	Pipette (20ml)
605	First Year/Other	Chemistry Lab	Conical Flask (250 ml)
606	First Year/Other	Chemistry Lab	Beaker (1000ml)
607	First Year/Other	Chemistry Lab	Beaker (500ml)
608	First Year/Other	Chemistry Lab	Measuring Jar (500ml)
609	First Year/Other	Chemistry Lab	Measuring Jar (10 ml)
610	First Year/Other	Chemistry Lab	Wash Bottle (250 ml)
611	First Year/Other	Chemistry Lab	Funnel Plastic
612	First Year/Other	Chemistry Lab	Spirit Lamp
613	First Year/Other	Chemistry Lab	Test tube
614	First Year/Other	Chemistry Lab	Test tube Stand
615	First Year/Other	Chemistry Lab	Test tube Holder
616	First Year/Other	Chemistry Lab	Test tube Brush
617	First Year/Other	Chemistry Lab	Watch glass (28+15)
618	First Year/Other	Chemistry Lab	Nickel Spatula
619	First Year/Other	Chemistry Lab	Gas Cylinder
620	First Year/Other	Chemistry Lab	China Crucible
621	First Year/Other	Chemistry Lab	Standard Measuring Flask (100 ml)
622	First Year/Other	Chemistry Lab	Standard Measuring Flask (500 ml)
623	First Year/Other	Chemistry Lab	Standard Measuring Flask (1000 ml)
624	First Year/Other	Chemistry Lab	Digital PH Meter
625	First Year/Other	Chemistry Lab	PH Meter Pen Type
626	First Year/Other	Chemistry Lab	Digital Electronic Balance
627	First Year/Other	Chemistry Lab	Glass Dropper
628	First Year/Other	Chemistry Lab	Glass Rod
629	First Year/Other	Chemistry Lab	Bunsen Burner

630	First Year/Other	Chemistry Lab	Wire Gauze
631	First Year/Other	Chemistry Lab	Tri Pod Stands
632	First Year/Other	Chemistry Lab	Measuring Cylinder (500 ml)
633	First Year/Other	Chemistry Lab	Measuring Cylinder (250 ml)
634	First Year/Other	Chemistry Lab	Measuring Cylinder (100 ml)
635	First Year/Other	Chemistry Lab	Measuring Cylinder (1000 ml)

xiv. List of Experimental Setup in each Laboratory/Workshop

SCAD POLYTECHNIC COLLEGE  
LIST OF EXPERIMENTAL SETUP IN EACH LABORATORY

S.No	Department	Name of the Laboratory	List of experimental Setup
1	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	FAMILY OF CIRCLES
2	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	GEAR RATIO OF SPUR GEARS
3	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	PARABOLAS, ELLIPSES
4	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	PARABOLA SHAPED BRIDGE
5	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	LIMITS AND DERIVATIVES
6	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	RADIUS OF REVERSE CURVE
7	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	INTEGRATION
8	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	AREA OF AN IRREGULAR PLANE

		BRANCHES)	
9	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	FITTING A NORMAL CURVE
10	Basic Engineering	APPLIED MATHEMATICS– I (NON-CIRCUIT BRANCHES)	STATISTICAL PROCESS CONTROL
11	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	PARABOLAS AND ELLIPSES
12	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	PARABOLIC DISH ANTENNA
13	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	INVERSE TRIGONOMETRIC FUNCTIONS
14	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	SINUSOIDAL WAVE FORM OF CURRENT AND VOLTAGE
15	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	COMPLEX NUMBERS
16	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	COMPLEX NUMBERS – PHASORSUM- POWER FACTOR
17	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	LIMITS AND DERIVATIVES
18	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	DIFFERENTIAL CALCULUS
19	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	INTEGRATION
20	Basic Engineering	APPLIED MATHEMATICS– II (CIRCUIT BRANCHES)	INTEGRAL CALCULUS

21	Basic Engineering	APPLIED PHYSICS I	TORSIONAL PENDULUM
22	Basic Engineering	APPLIED PHYSICS I	COMPOUND PENDULUM
23	Basic Engineering	APPLIED PHYSICS I	SURFACE TENSION
24	Basic Engineering	APPLIED PHYSICS I	STOKES METHOD
25	Basic Engineering	APPLIED PHYSICS I	SONOMETER
26	Basic Engineering	APPLIED PHYSICS I	WHEATSTONE BRIDGE
27	Basic Engineering	APPLIED PHYSICS I	LAWS OF RESISTANCE
28	Basic Engineering	APPLIED PHYSICS I	JOULES CALORIMETER
29	Basic Engineering	APPLIED PHYSICS II	REFRACTIVE INDEX -GLASS
30	Basic Engineering	APPLIED PHYSICS II	REFLECTIVE INDEX
31	Basic Engineering	APPLIED PHYSICS II	SONOMETER
32	Basic Engineering	APPLIED PHYSICS II	LAWS OF RESISTANCE
33	Basic Engineering	APPLIED PHYSICS II	POTENTIOMETER
34	Basic Engineering	APPLIED PHYSICS II	JOULES CALORIMETER
35	Basic Engineering	APPLIED PHYSICS II	SOLAR CELL
36	Basic Engineering	APPLIED PHYSICS II	DEFLECTION MAGNETOMETER
37	Basic Engineering	APPLIED CHEMISTRY -I	ESTIMATION OF TOTAL HARDNESS OF WATER BY EDTA METHOD
38	Basic Engineering	APPLIED CHEMISTRY -I	DETERMINATION OF ALKALINITY OF SAMPLE OF HARD WATER
39	Basic Engineering	APPLIED CHEMISTRY -I	ESTIMATION OF RESIDUAL CHLORINE IN A GIVEN WATER SAMPLE
40	Basic Engineering	APPLIED CHEMISTRY -I	ESTIMATION OF OXALIC ACID BY PERMANGANOMETRY
41	Basic Engineering	APPLIED CHEMISTRY -I	CALCULATION OF PH OF DIFFERENT SAMPLES OF ACIDS AND BASES
42	Basic Engineering	APPLIED CHEMISTRY -I	ESTIMATION OF COPPER BY COMPLEXOMETRY
43	Basic Engineering	APPLIED CHEMISTRY -I	EFFLUENT ANALYSIS OF HEAVY METAL IONS LEAD COPPER & ZINC
44	Basic Engineering	APPLIED CHEMISTRY -I	ANALYSIS OF ACID RADICALS SUCH AS CARBONATE, SULPHATE, NITRATE
45	Basic Engineering	APPLIED CHEMISTRY II	Estimation of total hardness of water by EDTA method
46	Basic Engineering	APPLIED	Determination of alkalinity of sample of hard

		CHEMISTRY II	water
47	Basic Engineering	APPLIED CHEMISTRY II	Estimation of residual chlorine in a given water sample
48	Basic Engineering	APPLIED CHEMISTRY II	Estimation of copper by complexometry
49	Basic Engineering	APPLIED CHEMISTRY II	Calculation of PH,H <sup>+</sup> ions and TDS of different samples of acid and bases
50	Basic Engineering	APPLIED CHEMISTRY II	Effluent analysis of heavy metal ions-lead, copper& zinc
51	Basic Engineering	APPLIED CHEMISTRY II	Process of electroplating – copper plating
52	Basic Engineering	APPLIED CHEMISTRY II	Analysis of acid radicals such as carbonate, nitrate and sulphate ions
53	Basic Engineering	BASIC ENGINEERING PRACTICES	Install the water supply system as shown in the layout(showerwith hot and cold water supply) and prepare the bill of material with specifications.
54	Basic Engineering	BASIC ENGINEERING PRACTICES	Install the drainage system as shown in the layout and preparethe bill of material with specifications.
55	Basic Engineering	BASIC ENGINEERING PRACTICES	Install the given pump for the water supply to storage. Prepare the list of components with specifications.
56	Basic Engineering	BASIC ENGINEERING PRACTICES	Install the Water Purifier and mount the filter. Demonstrate how to replace the damaged components, membrane, filter, valve and water tank.
57	Basic Engineering	BASIC ENGINEERING PRACTICES	Connect the single phase power supply for domestic applications as per the circuit diagram. List the bill of materials with specifications.
58	Basic Engineering	BASIC ENGINEERING PRACTICES	Prepare an earth bit and erect the earth electrode / plate.Mention the importance of Earthing and Lightning arrester.
59	Basic Engineering	BASIC ENGINEERING PRACTICES	Install a CCTV camera and configure. Mention the list of components.
60	Basic Engineering	BASIC ENGINEERING PRACTICES	Install the Smoke Detector Alarm / Fire alarm system as per the circuit. (Electrical / IoT based)
61	Basic Engineering	DRAFTING PRACTICES	(A) REWRITE THE GIVEN STATEMENT IN A SINGLE STROKE VERTICAL UPPERCASE LETTERS (5 STATEMENTS) (B)REWRITE THE GIVEN STATEMENT IN A SINGLE STROKE VERTICAL LOWERCASE LETTERS (5 STATEMENTS)
62	Basic Engineering	DRAFTING	REDRAW THE GIVEN DRAWING AND

		PRACTICES	DIMENSION IT AS PER BIS. (FIG.1 – FIG.4)
63	Basic Engineering	DRAFTING PRACTICES	(A) DIVIDE A STRAIGHT LINE AND CIRCLE INTO GIVEN NUMBER OF EQUAL DIVISIONS (B) CONSTRUCT AN ARC TOUCHING TWO STRAIGHT LINES (C) CONSTRUCT AN ARC TOUCHING TWO ARCS
64	Basic Engineering	DRAFTING PRACTICES	CONSTRUCT THE POLYGON OF GIVEN SIZE (CHOOSE ANY SUITABLE METHOD) (TRIANGLE, RECTANGLE, SQUARE, PENTAGON AND HEXAGON)
65	Basic Engineering	DRAFTING PRACTICES	DRAW THE GIVEN DRAWING AND DIMENSION IT AS PER BIS USING CAD (FIG.1 – FIG.4)
66	Basic Engineering	DRAFTING PRACTICES	EX.NO.6. DRAW THE ORTHOGRAPHIC VIEWS OF THE GIVEN COMPONENT USING CAD (FIG.5 – FIG.8)
67	Basic Engineering	DRAFTING PRACTICES	DRAW THE GIVEN CIVIL ENGINEERING DRAWING USING CAD (FIG.5 – FIG.8) (A) CROSS SECTIONAL VIEW OF L -SECTION, T-SECTION, CHANNEL AND I - SECTION (B) PLAN, ELEVATION AND SECTIONAL VIEW OF A SINGLE STOREY, SINGLE ROOM CONSISTING OF RCC FLAT ROOF, MASONRY WALLS, LINTEL CUM SUNSHADE, DOOR AND WINDOWS OF STANDARD SIZE. (C) FLOOR PLAN OF A 2BHK RESIDENTIAL BUILDING. (D) PLAN AND SECTIONAL ELEVATION OF A RCC COLUMN WITH SQUARE ISOLATED FOOTINGS.
68	Basic Engineering	DRAFTING PRACTICES	DRAW THE GIVEN ELECTRIC CIRCUIT DIAGRAM USING CAD. (FIG.5 – FIG.8) (A) STAIR-CASE WIRING ELECTRIC CIRCUIT (B) CONTROL AND MAIN CIRCUIT OF AUTOMATIC STAR DELTA STARTER (C) CONTROL CIRCUIT FOR JOGGING IN CAGE INDUCTION MOTOR (D) SINGLE PHASE WIRING CIRCUIT
69	Basic Engineering	DRAFTING PRACTICES	DRAW THE GIVEN ELECTRONICS CIRCUIT DIAGRAM USING CAD. (FIG.5 – FIG.8) (A) HALF WAVE RECTIFIER CIRCUIT (B) BRIDGE RECTIFIER CIRCUIT (C) COMMON EMITTER AMPLIFIER CIRCUIT (D) FIRE ALARM CIRCUIT
70	Basic Engineering	COMMUNICATIVE	LISTENING: LISTENING TO SCIENTIFIC

		ENGLISH - II	AND TECHNOLOGICAL PASSAGES
71	Basic Engineering	COMMUNICATIVE ENGLISH - II	SPEAKING: WORD CLOUD, HOMOPHONES AND THEIR MEANING
72	Basic Engineering	COMMUNICATIVE ENGLISH - II	READING: READING IDIOMATIC EXPRESSIONS
73	Basic Engineering	COMMUNICATIVE ENGLISH - II	WRITING: ADVERTISEMENT WRITING
74	Basic Engineering	COMMUNICATIVE ENGLISH - II	SPEAKING: DESCRIBING ONESELF
75	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Determination of Specific gravity of sand
76	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	To determine the moisture content of a given sample of soil
77	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Calculate Voids ratio and porosity of sand (If specific gravity, moisture content and degree of saturation value is given)
78	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Determine Grain size distribution of given soil sample by Sieve analysis
79	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Determination of liquid limit and Plastic limit of the given soil sample
80	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Determination of shear strength of soil by direct shear
81	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Determination of field density of soil by Core cutter method.
82	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Determination of field density & optimum moisture content using Proctor's compaction test
83	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Using Standard penetration test, identify various types of soil in Different layers and prepare detailed report
84	Civil Engineering	SOIL MECHANICS AND FOUNDATION ENGINEERING	Using Auger boring Identify various types of soil in Different layer
85	Civil Engineering	CONCRETE TECHNOLOGY	Determination of normal consistency and initial setting time of the given cement
86	Civil Engineering	CONCRETE TECHNOLOGY	Determination of soundness of cement by Le chatlier's method
87	Civil Engineering	CONCRETE TECHNOLOGY	Determination of Compressive Strength of cement
88	Civil Engineering	CONCRETE	Determination of silt content in sand

		TECHNOLOGY	
89	Civil Engineering	CONCRETE TECHNOLOGY	Determination of bulking of River sand / M-sand
90	Civil Engineering	CONCRETE TECHNOLOGY	Determination of fineness modulus of fine /coarse aggregate by sieve analysis
91	Civil Engineering	CONCRETE TECHNOLOGY	Determination of workability of concrete by slump cone test
92	Civil Engineering	CONCRETE TECHNOLOGY	Determination of workability of concrete by compaction factor test
93	Civil Engineering	CONCRETE TECHNOLOGY	Determination of workability by Vee- Bee Test
94	Civil Engineering	CONCRETE TECHNOLOGY	Determination of compressive strength on concrete cubes
95	Civil Engineering	CONCRETE TECHNOLOGY	Non-Destructive Testing of Concrete-Rebound Hammer Test
96	Civil Engineering	CONCRETE TECHNOLOGY	Determination of consistency of fresh concrete by flow table test.
97	Civil Engineering	CONCRETE TECHNOLOGY	Determination of carbonation depth on concrete
98	Civil Engineering	CONSTRUCTION PRACTICES	Prepare and develop a centre line plan, foundation Plan and set out spread footing in the field for the given line sketch
99	Civil Engineering	CONSTRUCTION PRACTICES	Prepare and develop a centre line plan, foundation Plan and set out the layout of columns and footing in the field for the given line sketch
100	Civil Engineering	CONSTRUCTION PRACTICES	Study of Safe Bearing Capacity of soil by standard penetration test
101	Civil Engineering	CONSTRUCTION PRACTICES	Arrangement of bricks using English bond in one brick thick wall and half brick thick for right angled corner
102	Civil Engineering	CONSTRUCTION PRACTICES	Arrangement of bricks using English bond in one brick thick wall and half brick thick for Tee junction
103	Civil Engineering	CONSTRUCTION PRACTICES	Arrangement of bricks using English bond in one brick thick wall and Two brick thick wall square pillars
104	Civil Engineering	CONSTRUCTION PRACTICES	Construct concrete block masonry wall of 1m height
105	Civil Engineering	CONSTRUCTION PRACTICES	Cutting, hooking, cranking of specimen reinforcement bar and arrangement of reinforcement for a Lintel cum sunshade
106	Civil Engineering	CONSTRUCTION PRACTICES	Apply two or more coats of Water proofing coats for sump / overhead tank wall on the prepared base of a given wall surface for the area of 1m x 1m using suitable brush/ rollers

107	Civil Engineering	CONSTRUCTION PRACTICES	Cutting, hooking, cranking of specimen reinforcement bar and arrangement of reinforcement for a one-way roof slab
108	Civil Engineering	CONSTRUCTION PRACTICES	Cutting, hooking, cranking of specimen reinforcement bar and arrangement of reinforcement for singly reinforced Beam
109	Civil Engineering	CONSTRUCTION PRACTICES	Cutting, hooking, cranking of specimen reinforcement bar and arrangement of reinforcement for a Column and footing
110	Civil Engineering	CONSTRUCTION PRACTICES	Apply two or more coats of selected paint on the prepared base of a given wall surface for the area of 1m x 1m using suitable brush/ rollers
111	Civil Engineering	CONSTRUCTION PRACTICES	Plastering with cement mortar on the prepared base of a given wall surface for the area of 1m x 1m adopting safe practices
112	Civil Engineering	CONSTRUCTION PRACTICES	Apply the relevant termite chemical on given damaged sample of timber
113	Civil Engineering	ESTIMATION AND COSTING	Prepare approximate cost for a proposed building comparing the cost of an existing one and considering the cost of escalation in materials and labour by Plinth area method
114	Civil Engineering	ESTIMATION AND COSTING	Prepare approximate cost for a proposed building comparing the cost of an existing one and considering the cost of escalation in materials and labour by cubical content method
115	Civil Engineering	ESTIMATION AND COSTING	Prepare approximate cost for a proposed building comparing the cost of an existing one and considering the cost of escalation in materials and labour by Service Unit Method
116	Civil Engineering	ESTIMATION AND COSTING	Prepare the list of items to be executed with units for detailed estimate of a given structure from the given drawing
117	Civil Engineering	ESTIMATION AND COSTING	Prepare data for the given items of work with necessary sub data
118	Civil Engineering	ESTIMATION AND COSTING	Prepare a report on market rates for given material, labour wages hire charges of tools & equipment required to construct the given structure
119	Civil Engineering	ESTIMATION AND COSTING	Prepare detailed Specification for Earthwork, Foundation concrete, R.C.C in Beam, R.C.C in Slab and Column
120	Civil Engineering	ESTIMATION AND COSTING	Prepare detailed estimate for the given set of drawings using standard measurement sheet for load bearing residential structure
121	Civil Engineering	ESTIMATION AND COSTING	Prepare detailed estimate for the quantity of items of work from the given set of drawings

			using standard measurement sheet for RCC framed structure
122	Civil Engineering	ESTIMATION AND COSTING	Prepare detailed estimate for the given Septic tank
123	Civil Engineering	ESTIMATION AND COSTING	Prepare detailed estimate for brick work for the given set of drawings using standard measurement sheet for load bearing residential structure
124	Civil Engineering	ESTIMATION AND COSTING	Prepare detailed estimate for RCC for the given set of drawings using standard measurement sheet
125	Civil Engineering	ESTIMATION AND COSTING	Prepare bar bending schedule for the given two-way slab
126	Civil Engineering	ESTIMATION AND COSTING	Prepare bar bending schedule for the given square column and square footing
127	Civil Engineering	ESTIMATION AND COSTING	Prepare bar bending schedule for the given singly reinforced and doubly reinforced beams
128	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and Drafting of Singly Reinforced simply supported beam
129	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and Drafting Doubly Reinforced simply supported beam
130	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of cantilever beam
131	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of one-way slab
132	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of two-way slab - Corners are not held down
133	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of two-way slab - Corners are held down
134	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of one-way Continuous slab
135	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of two-way Continuous slab
136	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of square column
137	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of rectangular column

138	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of square footing
139	Civil Engineering	STRUCTURAL DETAILING FOR RCC ELEMENTS	Detailing and drafting of rectangular footing
140	Mechanical Engineering	PROCESS AUTOMATION	Operation of double acting cylinder with quick exhaust valve
141	Mechanical Engineering	PROCESS AUTOMATION	Speed control of a double acting cylinder using metering-in and metering-out circuits.
142	Mechanical Engineering	PROCESS AUTOMATION	Automatic operation of double acting cylinder in single cycle - using limit switch.
143	Mechanical Engineering	PROCESS AUTOMATION	Direct operation of the double acting cylinder
144	Mechanical Engineering	PROCESS AUTOMATION	Speed control of double acting cylinder metering-in and metering-out control.
145	Mechanical Engineering	PROCESS AUTOMATION	Direct operation of a motor using a latching circuit, AND, OR logic circuits.
146	Mechanical Engineering	PROCESS AUTOMATION	On-Delay control of a motor and Off –Delay control of a motor.
147	Mechanical Engineering	PROCESS AUTOMATION	Automatic operation of Double acting cylinder-Multi cycle.
148	Mechanical Engineering	PROCESS AUTOMATION	Sequential operation of a double acting cylinder and a motor.
149	Mechanical Engineering	PROCESS AUTOMATION	Automatic operation of DAC, Forward time delay return.
150	Mechanical Engineering	FLUID MECHANICS	Demonstrate various fluid properties viscosity, surface tension, cohesion & Adhesion and capillarity.
151	Mechanical Engineering	FLUID MECHANICS	Measure the fluid pressure using a simple manometer and pressure gauge. Find the pressure difference using differential manometer.
152	Mechanical Engineering	FLUID MECHANICS	Verify Bernoulli's theorem.
153	Mechanical Engineering	FLUID MECHANICS	Measure the discharge of the fluid flow using venturi meter or Orifice Meter.
154	Mechanical Engineering	FLUID MECHANICS	Find the friction factor for the given pipeline.
155	Mechanical Engineering	FLUID MECHANICS	Perform a test on the reciprocating pump or centrifugal pump test rig and find the efficiency.
156	Mechanical Engineering	FLUID MECHANICS	Perform a test on a hydraulic turbine test rig and find the efficiency.
157	Mechanical Engineering	ADVANCED MANUFACTURING	Using Linear and Circular interpolation - Create a part program and produce

		TECHNOLOGY PRACTICAL	components in the Machine
158	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Using Stock removal cycle – Create a part program for multiple turning operations and produce component in the Machine.
159	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Using canned cycle - Create part program for thread cutting, grooving and producing component.
160	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Using Linear interpolation and Circular interpolation – Create a part program for grooving and produce component in the Machine.
161	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Using canned cycle - Create a part program for drilling produce component in the Machine
162	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Using subprogram - Create a part program and produce the component in the Machine.
163	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Model the given engineering component and prepare the .stl file to print using a 3D printer or simulator. - Geneva Wheel
164	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Model the given engineering component and prepare the .stl file to print using a 3D printer or simulator. - C Clamp with V Block.
165	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Position and record the point-to-point motion of the robot arm or in a simulator. (5 Positions)
166	Mechanical Engineering	ADVANCED MANUFACTURING TECHNOLOGY PRACTICAL	Position and record the continuous motion of the robot arm or in a simulator. (The profile should have Straight line, Circular and inclined line)
167	Mechanical Engineering	SENSORS AND ACTUATORS	i) Construct a circuit to measure Temperature of Liquid using Thermistor or Thermocouple or RTD. ii) Also find the graphical relationship between input and output.
168	Mechanical Engineering	SENSORS AND ACTUATORS	i) Observe the behaviour of Inductive proximity sensor and Capacitive Proximity sensor for different material samples. ii) Interface relay and buzzer with sensors to test the output.
169	Mechanical	SENSORS AND	i) Construct a circuit for Measurement of

	Engineering	ACTUATORS	Linear Displacement using LVDT. ii) Find the graphical relationship between input and output.
170	Mechanical Engineering	SENSORS AND ACTUATORS	i) Construct a circuit to obtain the VI characteristics and Response Characteristics of Photoconductive Cell (LDR). ii) Construct a circuit to measure the speed of the motor using Optical Sensor
171	Mechanical Engineering	SENSORS AND ACTUATORS	i) Interface Ultrasonic sensor with Arduino and measure the distance of the object. ii) Interface Moisture sensor with Arduino and measure the moisture content in the soil.
172	Mechanical Engineering	SENSORS AND ACTUATORS	i) Construct a circuit to get ON/OFF control on DC Motor using Push Button, SPST, SPDT and Limit Switch. ii) Construct a circuit to get ON/OFF control on DC Motor using Transistor and Relay.
173	Mechanical Engineering	SENSORS AND ACTUATORS	i) Connect Forward Reverse Control switch to change the direction of rotation of three phase induction motor. ii) Demonstrate the Forward and Reverse operation of Motor. iii) Measure the No-Load current in each phase using Tongue tester (Clamp Meter)
174	Mechanical Engineering	SENSORS AND ACTUATORS	i) Construct a Pneumatic Circuit to control double acting pneumatic cylinder using 5/2 Solenoid Valve. ii) Discuss the behaviour of cylinder as linear actuator
175	Mechanical Engineering	SENSORS AND ACTUATORS	i) Construct a Hydraulic Circuit to control Hydraulic Motor. ii) Observe the behaviour of Hydraulic Motor
176	Mechanical Engineering	SENSORS AND ACTUATORS	i) Construct an Arduino based circuit to sweeps the shaft of servomotor back and forth across 180 degrees. ii) Interface potentiometer with Arduino and based on its position get the control of servo motor shaft.
177	Mechanical Engineering	HEAT POWER ENGINEERING	Determine the flash and fire point of the lubricating oil by using Open cup apparatus and Closed cup apparatus and compare the value for the given sample
178	Mechanical Engineering	HEAT POWER ENGINEERING	Draw the valve timing diagram of single cylinder four stroke petrol engines
179	Mechanical Engineering	HEAT POWER ENGINEERING	Draw the valve timing diagram of single cylinder four stroke diesel engines
180	Mechanical Engineering	HEAT POWER ENGINEERING	Draw the port timing diagram of a single cylinder two stroke Petrol Engine
181	Mechanical	HEAT POWER	Load test (Performance test) on Four Stroke

	Engineering	ENGINEERING	Diesel Engine or Four Stroke Petrol Engine
182	Mechanical Engineering	HEAT POWER ENGINEERING	Morse test on multi-cylinder petrol engine
183	Mechanical Engineering	HEAT POWER ENGINEERING	Heat balance test on Four Stroke Diesel or Petrol Engine
184	Mechanical Engineering	HEAT POWER ENGINEERING	Volumetric efficiency of Air Compressor
185	Mechanical Engineering	HEAT POWER ENGINEERING	Determination of COP of Refrigeration System
186	Mechanical Engineering	HEAT POWER ENGINEERING	Find the Percentage of CO, CO <sub>2</sub> , O <sub>2</sub> , and amount of HC, NOX using Exhaust gas analyzer
187	Automobile Engineering	METROLOGY AND MEASUREMENTS	i) Measure the dimensions of ground MS-flat / Cylindrical bush using Vernier Calliper. ii) Compare the results with Digital Vernier Calliper
188	Automobile Engineering	METROLOGY AND MEASUREMENTS	i) Measure the diameter of a wire using micrometre ii) Compare the results with a digital Outside micrometre
189	Automobile Engineering	METROLOGY AND MEASUREMENTS	i) Measure the inside diameter of the bore of a bush cylindrical component using Inside micrometre ii) Compare the results with digital inside micrometre
190	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the thickness of ground MS plates using slip gauges.
191	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the height of gauge blocks or parallel bars using vernier height gauge
192	Automobile Engineering	METROLOGY AND MEASUREMENTS	Find out the measurement of a given component and Compare with a standard component using a mechanical comparator and slip gauge
193	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the angle of a V-block/Taper Shank of Drill/ Dovetail using universal bevel protractor.
194	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the angle of the machined surface using sine bar with slip Gauges.
195	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the geometrical dimensions of V-Thread using screw thread micrometre
196	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the geometrical dimensions of spur gear using gear tooth vernier calliper.
197	Automobile Engineering	SENSORS AND ACTUATORS	i) Construct a circuit to measure Temperature of Liquid using Thermistor or Thermocouple or RTD. ii) Also find the graphical relationship between

			input and output.
198	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Observe the behaviour of Inductive proximity sensor and Capacitive Proximity sensor for different material samples.</p> <p>ii) Interface relay and buzzer with sensors to test the output.</p>
199	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Construct a circuit for Measurement of Linear Displacement using LVDT.</p> <p>ii) Find the graphical relationship between input and output.</p>
200	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Construct a circuit to obtain the VI characteristics and Response Characteristics of Photoconductive Cell (LDR).</p> <p>ii) Construct a circuit to measure the speed of the motor using Optical Sensor</p>
201	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Interface Ultrasonic sensor with Arduino and measure the distance of the object.</p> <p>ii) Interface Moisture sensor with Arduino and measure the moisture content in the soil.</p>
202	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Construct a circuit to get ON/OFF control on DC Motor using Push Button, SPST, SPDT and Limit Switch.</p> <p>ii) Construct a circuit to get ON/OFF control on DC Motor using Transistor and Relay.</p>
203	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Connect Forward Reverse Control switch to change the direction of rotation of three phase induction motor.</p> <p>ii) Demonstrate the Forward and Reverse operation of Motor.</p> <p>iii) Measure the No-Load current in each phase using Tongue tester (Clamp Meter)</p>
204	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Construct a Pneumatic Circuit to control double acting pneumatic cylinder using 5/2 Solenoid Valve.</p> <p>ii) Discuss the behaviour of cylinder as linear actuator</p>
205	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Construct a Hydraulic Circuit to control Hydraulic Motor.</p> <p>ii) Observe the behaviour of Hydraulic Motor</p>
206	Automobile Engineering	SENSORS AND ACTUATORS	<p>i) Construct an Arduino based circuit to sweeps the shaft of servomotor back and forth across 180 degrees.</p> <p>ii) Interface potentiometer with Arduino and based on its position get the control of servo motor shaft.</p>
207	Automobile Engineering	FUELS, COMBUSTION AND EMISSION CONTROL	Determine the flash and fire point of the lubricating oil by using Open cup apparatus and Closed cup apparatus and compare the value for the given sample.

208	Automobile Engineering	FUELS, COMBUSTION AND EMISSION CONTROL	Find the Calorific Value of diesel using Bomb calorimeter
209	Automobile Engineering	FUELS, COMBUSTION AND EMISSION CONTROL	Analysis of exhaust gases from engines by Orsat apparatus.
210	Automobile Engineering	FUELS, COMBUSTION AND EMISSION CONTROL	Find the intensity of smoke from a diesel engine using a smoke meter
211	Automobile Engineering	FUELS, COMBUSTION AND EMISSION CONTROL	Measure the emissions in exhaust of an engine by exhaust gas analyzer.
212	Automobile Engineering	FUELS, COMBUSTION AND EMISSION CONTROL	Conduct speed performance tests of a single-cylinder petrol engine or diesel engine and draw the curve. 1. BHP, IHP, FHP Vs Speed 2. Volumetric efficiency, SFC Vs Speed.
213	Automobile Engineering	FUELS, COMBUSTION AND EMISSION CONTROL	Find the Indicated horsepower of a multi-cylinder engine by the Morse test
214	Automobile Engineering	FUELS, COMBUSTION AND EMISSION CONTROL	Prepare the heat balance sheet on a single-cylinder petrol/diesel engine.
215	Automobile Engineering	METROLOGY AND MEASUREMENTS	i) Measure the dimensions of ground MS-flat / Cylindrical bush using Vernier Caliper. ii) Compare the results with Digital Vernier Caliper
216	Automobile Engineering	METROLOGY AND MEASUREMENTS	i) Measure the diameter of a wire using micrometer ii) Compare the results with a digital Outside micrometer
217	Automobile Engineering	METROLOGY AND MEASUREMENTS	i) Measure the inside diameter of the bore of a bush cylindrical component using Inside micrometer ii) Compare the results with digital inside micrometer
218	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the thickness of ground MS plates using slip gauges.
219	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the height of gauge blocks or parallel bars using vernier height gauge
220	Automobile Engineering	METROLOGY AND MEASUREMENTS	Find out the measurement of a given component and Compare with a standard component using a mechanical comparator and slip gauge

221	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the angle of a V-block/Taper Shank of Drill/ Dovetail using universal bevel protractor.
222	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the angle of the machined surface using sine bar with slip Gauges.
223	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the geometrical dimensions of V-Thread using screw thread micrometer
224	Automobile Engineering	METROLOGY AND MEASUREMENTS	Measure the geometrical dimensions of spur gear using gear tooth vernier caliper.
225	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Perform arc welding to make a butt joint with given ms flat(25mmx6mm)
226	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Perform gas welding to make a lap joint with given sheet (16G ms sheet))
227	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Make the model as per the given sketch by step turning and taper turning operation in a lathe ms rod 32 mm dia
228	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Make the model as per the given sketch by knurling and BSW thread cutting operation in a lathe ms rod 32 mm dia
229	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Make a spur gear by differential indexing method as per the figure using milling machine
230	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Make a helical gear by differential indexing method as per the figure using milling machine
231	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Make a progressive type plug gauge as per the figure using cylindrical grinding machine.
232	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Make a turning tool as per figure using tool and cutter grinder
233	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Make the component in the cnc turning center
234	Automobile Engineering	MANUFACTURING TECHNOLOGY-II	Make the component in the cnc milling center
235	Automobile Engineering	AUTOMOBILE COMPONENT DESIGN`	MODELLING OF PISTON ASSEMBLY
236	Automobile Engineering	AUTOMOBILE COMPONENT DESIGN`	MODELLING OF CONNECTING ROD ASSEMBLY
237	Automobile Engineering	AUTOMOBILE COMPONENT DESIGN`	MODELLING OF CRANK SHAFT ASSEMBLY
238	Automobile Engineering	AUTOMOBILE COMPONENT DESIGN`	MODELLING OF CYLINDER BLOCK ASSEMBLY
239	Electrical and	MICROCONTROLLE	16-bit addition

	Electronics Engineering	R AND EMBEDDED SYSTEMS	
240	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	16-bit subtraction
241	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	8-bit multiplication
242	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	8-bit division
243	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	Time delay routine
244	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	Using Timer/counter of 8051
245	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	Interfacing Of Keypad
246	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	Interfacing ADC
247	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	Interfacing Stepper motor
248	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	Interfacing Seven Segment LED
249	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	Interfacing DC motor using PWM
250	Electrical and Electronics Engineering	MICROCONTROLLE R AND EMBEDDED SYSTEMS	Write a program to generate PWM and verify the waveform
251	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Draw the following Electrical Symbols using AutoCAD: Relay, Fluorescent Lamp, Ceiling Fan, Exhaust Fan, One Way Switch, 5A Socket Outlet with Switch, Energy Meter, Star Delta Starter, DC Shunt Motor, Step Down Transformer, PN Junction Diode, BJT, AND Gate, OR Gate.
252	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Draw the single line diagram of Three phase MCB Distribution Board
253	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Draw the panel wiring diagram of Horizontal busbar arrangement with Incoming and Outgoing Switches using AutoCAD.

254	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Draw the single line diagram of typical Medium Voltage (MV Panel) with following feeders using AutoCAD. Incoming: One from EB and Another from DG with Interlock. Outgoing: 12 Outgoing feeders with various loads.
255	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Estimate the quantity of Materials and Cost required for a single Bedroom residential building (1 BHK).
256	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Estimate the quantity of Materials and Cost required for street light service having 12 Lamps light fittings.
257	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Estimate the quantity of Materials and Cost required for Irrigation Pump wiring with 5 hp Induction Motor
258	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Estimate the quantity of Materials and Cost required for Industrial power wiring having four machines.
259	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Draw the Mush Winding Diagram of a Three Phase Induction Motor using AutoCAD.
260	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Draw the Winding Diagram of Lap Connected DC Armature with Commutator Connections and Brush Positions using AutoCAD.
261	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Draw the single line diagram of 110 KV / 11 KV Receiving Substation using AutoCAD
262	Electrical and Electronics Engineering	ELECTRICAL CAD DESIGN	Draw the Single Line Diagram of Fire Alarm Riser Arrangement in typical Multi-Storey Building using AutoCAD.
263	Electrical and Electronics Engineering	SERVICING OF ELECTRICAL APPLIANCES	Servicing of Automatic Iron Box
264	Electrical and Electronics Engineering	SERVICING OF ELECTRICAL APPLIANCES	Servicing of Water Heater
265	Electrical and Electronics Engineering	SERVICING OF ELECTRICAL APPLIANCES	Services of Ceiling Fan & Table Fan
266	Electrical and Electronics Engineering	SERVICING OF ELECTRICAL APPLIANCES	Servicing Mixer Grinder
267	Electrical and Electronics Engineering	SERVICING OF ELECTRICAL APPLIANCES	Servicing of Wet Grinder
268	Electrical and Electronics	SERVICING OF ELECTRICAL	Servicing Wet Grinder

	Engineering	APPLIANCES	
269	Electrical and Electronics Engineering	SERVICING OF ELECTRICAL APPLIANCES	Servicing Microwave Oven
270	Electrical and Electronics Engineering	SERVICING OF ELECTRICAL APPLIANCES	Installation Of Off Grid Solar Pv System
271	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Conduct Load test on 3 Phase Alternator
272	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Predetermine the Regulation of Three Phase Alternator by EMF method
273	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Synchronization of 3 Phase Alternators by a) Lamp method. b) Synchroscope method
274	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Conduct Load Test on a three-phase squirrel cage induction motor and plot the performance curve.
275	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Conduct Load Test on a three-phase slip-ring induction motor and plot the performance curve.
276	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Find the equivalent circuit constants of a three-phase induction motor by conducting No-Load and Blocked Rotor tests
277	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Demonstrate that power factor of an induction motor load is improved by connecting capacitor bank
278	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Conduct Load Test on a single-phase induction motor and plot the performance curve
279	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Determination of the V' curve and inverted 'v' curve of synchronous motor.
280	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Perform Winding of primary and secondary coils of 230V/12V, 500mA Transformer. Insert suitable cores and check the output voltage
281	Electrical and Electronics Engineering	ELECTRICAL MACHINES II PRACTICAL	Make end connection to a three-phase induction motor winding for two pole/four pole operations and verify the output.
282	Electrical and Electronics Engineering	ENERGY CONSERVATION AND AUDITING	Compare and verify the energy consumption for LED lamp and Incandescent lamp with same Lumens.
283	Electrical and Electronics Engineering	ENERGY CONSERVATION AND AUDITING	Control the water pump motor by using sensors to avoid overflow of overhead tank
284	Electrical and	ENERGY	Construct Automatic Street light control using

	Electronics Engineering	CONSERVATION AND AUDITING	LDR and Arduino Construct Automatic Street light control using LDR and Arduino.
285	Electrical and Electronics Engineering	ENERGY CONSERVATION AND AUDITING	Compare and verify the energy consumption of Copper Choke and Electronic Choke for same rating tube light.
286	Electrical and Electronics Engineering	ENERGY CONSERVATION AND AUDITING	Construct lighting circuit for a room with Occupancy sensor.
287	Electrical and Electronics Engineering	ENERGY CONSERVATION AND AUDITING	Measure the Current, Power and Energy consumption of Modern BLDC Ceiling Fan.
288	Electrical and Electronics Engineering	ENERGY CONSERVATION AND AUDITING	Connect Soft starter with suitable rating Induction Motor and Observe its operation during starting and running. Also measure the current and power consumption
289	Electrical and Electronics Engineering	ENERGY CONSERVATION AND AUDITING	Collect Electricity bills of typical residential or College service connections for the period of 1 year and prepare the bar chart of energy consumption and energy cost. Discuss the result
290	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Construct and Test the performance of LPF and HPF.
291	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Construct and Test the performance of BPF.
292	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Construct and Test the Performance of AM Modulator.
293	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Construct and Test the Performance of AM demodulation using envelope detector.
294	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Construct and test the performance of FM Modulator
295	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Construct and test the performance of FM Demodulator.
296	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Construct and test the performance of Sample and Hold circuit.
297	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Construct and test the performance of Pulse Width Modulator.
298	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Determine the directional characteristics of Moving Coil Microphone.

299	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Determine the directional characteristics of Dynamic cone Loudspeaker.
300	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	SIMULATION EXPERIMENTS Simulation of frequency response of LPF
301	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of frequency response of HPF
302	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of frequency response of BPF
303	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of AM generation
304	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of FM generation
305	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of PM generation
306	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of PAM generation
307	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of PWM generation
308	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of PPM generation.
309	Electronics and Communication Engineering	BASICS OF COMMUNICATION ENGINEERING	Simulation of Delta modulation.
310	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Extend the Range of the Voltmeter.
311	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Extend the Range of the Ammeter.
312	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Calibrate the given ammeter/ voltmeter.
313	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Determine the unknown Resistance using the Wheatstone Bridge.
314	Electronics and Communication	MEASURING INSTRUMENTS	Determine the Self-Inductance of an unknown coil using Maxwell's Bridge.

	Engineering	AND SENSORS	
315	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Determine the Capacitance of an unknown Capacitor using the Schering Bridge.
316	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Measurement of voltage, Frequency, Time period, And Phase for any periodic waveform using CRO.
317	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Study the Front Panel Control of 2-Channel DSO.
318	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Determine the Voltage for Resistance Connected in Series and Parallel Using a Digital Voltmeter (DVM).
319	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Generate the Sinusoidal Waveform for Different Frequencies and Amplitudes using the Function Generator, and Plot the Waveforms.
320	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Measurements of Voltage, Resistance, Continuity, and Current for a Single Loop Resistance Network using a Digital Multimeter.
321	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Determination of Displacement using LVDT Sensor.
322	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Measurement of Temperature using RTD/Thermistor/Thermocouple Sensors.
323	Electronics and Communication Engineering	MEASURING INSTRUMENTS AND SENSORS	Determination of Load/Torque/Force using Strain Gauge Sensor.
324	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C Program to convert a given temperature in degree Celsius to Fahrenheit
325	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C program to implement Ohm's law
326	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C program to calculate the equivalent resistance of THREE resistors connected in series
327	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C program to calculate the equivalent capacitance of THREE capacitors connected in series
328	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C Program to find whether the given integer is even or odd
329	Electronics and Communication	PROGRAMMING IN C	Write and Execute a C Program to find whether the given number is positive or

	Engineering		negative or zero
330	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C Program to perform various arithmetic operations using switch-case statement
331	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C Program to find the sum of first ten natural numbers using "while" loop
332	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C Program to print a pyramid star pattern (an equilateral triangle) using "for" loop
333	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C program to find the sum of elements in a 1D array
334	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C program to check whether the given string is a palindrome using string handling functions
335	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C Program to store a simple 2D array of four elements (2x2) and print each element using "for" loop
336	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C program to calculate the resonant frequency of an RLC series circuit using sqrt() function
337	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C program to prepare the total mark of each student by reading their "Name, Reg.No, Marks for four subjects" (for a class of five students) using array of structure
338	Electronics and Communication Engineering	PROGRAMMING IN C	Write and Execute a C program to find the factorial of a given number "N" using an user-defined function
339	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	8 / 16 bit addition
340	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	8 bit multiplication
341	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	BCD to Hex code conversion
342	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	Smallest number
343	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	Time delay routine (Demonstrate by Blinking LEDs)
344	Electronics and Communication	MICROCONTROLLER PRACTICAL	Interfacing Digital I/O board

	Engineering		
345	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	Interfacing DAC
346	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	Interfacing Stepper motor
347	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	Interfacing Seven segment LED display
348	Electronics and Communication Engineering	MICROCONTROLLER PRACTICAL	Interfacing DC motor using PWM.
349	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for logic gates AND gate, OR gate. (Develop code for logic adder. Simulate the code in the software)
350	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for half adder.
351	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for Full adder.
352	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for half Subtractor.
353	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for Full Subtractor.
354	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for 4 to 1 Mux and implement it in FPGA Kit.
355	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for 1 to 4 Demux and implement it in FPGA Kit.
356	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for 4 to 2 Encoder and implement it in FPGA Kit.
357	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Simulation of Verilog code for 2 to 4 Decoder and implement it in FPGA Kit.
358	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Write Verilog code for D Flip Flop and T Flip Flop and implement it in FPGA kit.
359	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Write Verilog code for JK Flip Flop and implement it in FPGA kit.

360	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Write Verilog code for 3 bit Shift Register and implement it in FPGA kit.
361	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Write Verilog code for 3 bit up counter and implement it in FPGA kit
362	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Write Verilog code for 3 bit down counter and implement it in FPGA kit
363	Electronics and Communication Engineering	VLSI USING VERILOG PRACTICUM	Write Verilog code for RAM / ROM
364	Computer Engineering	DATA STRUCTURES USING PYTHON	Write a program to implement any one python data structure with the following operations A) Create B) Add elements C) Access elements D) Remove elements
365	Computer Engineering	DATA STRUCTURES USING PYTHON	Write a python program to implement a singly linked list a) create a singly linked list b) add element to singly linked list c) Remove element from singly linked list
366	Computer Engineering	DATA STRUCTURES USING PYTHON	Write a python program to implement stack
367	Computer Engineering	DATA STRUCTURES USING PYTHON	Write a python program to implement queue
368	Computer Engineering	DATA STRUCTURES USING PYTHON	Write the python program for pre-order traversal of a binary tree
369	Computer Engineering	DATA STRUCTURES USING PYTHON	Write the python program for pre-order traversal of a binary tree
370	Computer Engineering	DATA STRUCTURES USING PYTHON	Write a python program to implement bubble sort
371	Computer Engineering	DATA STRUCTURES USING PYTHON	Write a python program to implement linear search
372	Computer Engineering	DATA STRUCTURES USING PYTHON	Write a python program to implement binary search
373	Computer Engineering	JAVA PROGRAMMING	Write a java program to read the temperature in Celsius and convert into Fahrenheit.
374	Computer Engineering	JAVA PROGRAMMING	Write a program to read 2 integers and find the largest number using conditional operator
375	Computer Engineering	JAVA PROGRAMMING	Write a Java program to implement command line arguments.

376	Computer Engineering	JAVA PROGRAMMING	Write a Java program to find the sum and average of your tenth standard marks.
377	Computer Engineering	JAVA PROGRAMMING	Write a Java Program to sort 10 student names in alphabetical order using bubble sort
378	Computer Engineering	JAVA PROGRAMMING	Write a Java program to collect student details using constructors.
379	Computer Engineering	JAVA PROGRAMMING	Write a Java program to calculate area of rectangle, triangle and square using method overloading.
380	Computer Engineering	JAVA PROGRAMMING	Write a Java program to create a class called Shape with methods called getPerimeter() and getArea(). Create a subclass called Circle that overrides the getPerimeter() and getArea() methods to calculate the area and perimeter of a circle.
381	Computer Engineering	JAVA PROGRAMMING	Write a Java program to create an interface Shape with the getArea() method. Create three classes Rectangle, Circle, and Triangle that implement the Shape interface. Implement the getArea() method for each of the three classes.
382	Computer Engineering	JAVA PROGRAMMING	Write a Java program to create a panel with three buttons, labeled Red, Blue and Yellow, so that clicking each button results in the background color changing to the appropriate color
383	Computer Engineering	PYTHON PROGRAMMING	Write a python program to read three numbers and print the greatest of three numbers.
384	Computer Engineering	PYTHON PROGRAMMING	Write a python program to find the sum of N number using range () function in for loop.
385	Computer Engineering	PYTHON PROGRAMMING	Write a python program to demonstrate the string slicing, concatenation, replication and len() method
386	Computer Engineering	PYTHON PROGRAMMING	Write a python program to create a tuple and convert into a list and print the list in sorted order.
387	Computer Engineering	PYTHON PROGRAMMING	Write a python program to create a dictionary and check whether a key or value exist in the dictionary.
388	Computer Engineering	PYTHON PROGRAMMING	Write a python program to create one dimensional array and convert into a 2D-dimensional array using reshape(), print the first two columns alone using slicing.
389	Computer Engineering	PYTHON PROGRAMMING	Write a python program to create two-dimensional array and search for an element using where () function.
390	Computer Engineering	PYTHON PROGRAMMING	Write a python program to create a 2D-dimensional array and demonstrate

			aggregation functions sum (), min () and max () in the row and column wise.
391	Computer Engineering	PYTHON PROGRAMMING	Write a python program to read a text file and write the content in another file
392	Computer Engineering	PYTHON PROGRAMMING	Write a python program to read a csv file using pandas and print the content.
393	Computer Engineering	E-PUBLISHING TOOLS	Create a business card with a logo using various text styles, rectangle tool, and ellipse tool.
394	Computer Engineering	E-PUBLISHING TOOLS	Design a notebook wrapper using fountain filling and pattern filling tools.
395	Computer Engineering	E-PUBLISHING TOOLS	Transform one object into another object using a blend tool.
396	Computer Engineering	E-PUBLISHING TOOLS	Design an invitation for your college convocation using text tools Shape Tools Image tables in the page layout software
397	Computer Engineering	E-PUBLISHING TOOLS	Create a design by using various selection tools, cutting and pasting the images
398	Computer Engineering	E-PUBLISHING TOOLS	Create a passport size photo by removing the background of a photo and change it to blue color.
399	Computer Engineering	E-PUBLISHING TOOLS	Change the image looks by applying various filters and blending modes. (any one among Pencil sketch, Water Color, Blurred Background)
400	Computer Engineering	E-PUBLISHING TOOLS	Create a design with the use of a layer mask using two images as background and foreground
401	Computer Engineering	E-PUBLISHING TOOLS	Design a multipage document like a tri-fold brochure using various elements for the college workshop.
402	Computer Engineering	E-PUBLISHING TOOLS	Prepare a stylish calendar sheet by using tables and its formatting tools.
403	Computer Engineering	SCRIPTING LANGUAGES	Write PHP code to implement any five string and array functions
404	Computer Engineering	SCRIPTING LANGUAGES	Design the HTML form to collect student biodata and SSLC Mark, Process the collected data in the PHP and Find Total and Average for Mark.
405	Computer Engineering	SCRIPTING LANGUAGES	Develop the simple application which display result of the student by getting register number as user input( assume student marks are already available in the database)
406	Computer Engineering	SCRIPTING LANGUAGES	Develop the simple login page, which validates the username, and password (assume username, password and student_name are stored in the database).

407	Computer Engineering	SCRIPTING LANGUAGES	Write the code to disable right-click option in the webpage using the jQuery  Develop the simple application which display details of the college by getting college code as input using AJAX without reloading the page (assume college details like code, name, courses_offered, address, hostel facility, etc., are already available in the database)
408	Computer Engineering	SCRIPTING LANGUAGES	Develop the Node.js code to upload the file to server
409	Computer Engineering	SCRIPTING LANGUAGES	Develop the Node.js code to send an email
410	Computer Engineering	SCRIPTING LANGUAGES	Develop the Node.js code to send an email
411	Computer Engineering	DATA SCIENCE	Create a Python List / tuple which stores the details of a student (rollno, name, dept, branch, percentage of mark) in Python and print the values.
412	Computer Engineering	DATA SCIENCE	Create the python list, convert the list and tuple as NumPy array and print its elements. Slice the NumPy array in to 3 slices and print all;
413	Computer Engineering	DATA SCIENCE	Load your class Marklist data from a csv (comma-separated value) file into numpy array. Perform the following operations to inspect your array: Len(), ndim, size, dtype, shape, info().
414	Computer Engineering	DATA SCIENCE	Load a data into a pandas dataframe and perform following functions on it : min(), max(), cumsum(), mean(), median(), corrcoef(), std().
415	Computer Engineering	DATA SCIENCE	Load a data into a pandas data frame, list out number of missing values in each column and fill the missing values with suitable default value.
416	Computer Engineering	DATA SCIENCE	Load two csv file into two data frame(d1,d2), combine both the Data frame and find and remove duplicate rows and rename indexes.
417	Computer Engineering	DATA SCIENCE	Load the Iris dataset, where observations belong to either one of three iris flower classes and visualize the average value for each feature of the Setosa iris class using a barchart with suitable linewidth and color.
418	Computer Engineering	DATA SCIENCE	Load the Iris dataset; plot all the column's relationships using a pairplot for multivariate analysis. Save the plot as JPEG file.
419	Computer Engineering	DATA SCIENCE	Implement the Machine learning model for clustering with Iris dataset and analyse Decision Tree
420	Computer	DATA SCIENCE	Implement the Machine learning model for

Engineering

clustering with Iris dataset and analyse  
K-means Clustering

xv. Innovation Cell

SCAD POLYTECHNIC COLLEGE  
INNOVATION CELL

Journey of IIC established at the Institute

Established in 2021

In the year 2021-22 ONE star rating

In the year 2022-23 TWO star rating

In the year 2023-24 FOUR star rating

Brief mention of key functionaries at the IIC Institute

S.NO	ROLE	NAME	EMAIL	CONTACT
1	President	Mr.J.Monimaran	principal_scadpoly@scad.ac.in	9942978528
2	Vice President	Mrs.Selva Kalyani	selvakalyani.s@gmail.com	9965178393
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6	Innovation Activity	Mrs.C Jeyanthi	jeyanthiphilip@gmail.com	8754359695
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43	Member	Mr.S.Suresh	ssureshvel1@gmail.com	9629669441
44	Member	Ms.M.Ajantha	majantha2001@gmail.com	9487482174
45	Member	Mr C Velselvan	velselvan910@gmail.com	8124821507

Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

S.No	Portfolio	Resource Strength
1	IIC Member's	44
2	Innovation Ambassador's	44
3	Faculty Mentor's	44
4	Pre-Incubation Units	8
5	Incubation Units	Nil
6	IP Facilitation Unit	Nil

Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Pre-Incubation Units: 8

S.No	Pre-Incubation Name
1	Modelling/Prototyping
2	Manufacturing Fabrication
3	Electrical Product Development
4	Electronics Product Development
5	3D Printing
6	Drone
7	Robotics
8	Mobile and Web App

xvi. Social Media Cell

SCAD POLYTECHNIC COLLEGE

SOCIAL MEDIA CELL

Si.No	ROLE	NAME	EMAIL	CONTACT
1	Chairperson	Mr.Monimaran J / Principal	principalspc@rediffmail.com	9942978528
2	Members	Mr.P.Chithirai Sankar	chithiraisankar1@gmail.com	9443399135
3	Members	Mr.Baskaran M	baskaran743@gmail.com	8056810881
4	Members	Mr.Rasukutty J	jrkdutti7@gmail.com	9342721886
5	Members	Mr.Sheik Igram A	socialmedia@scadpoly.ac.in	7904063640

Si.No	Platforms	link
1	Website	<a href="https://www.scadpoly.ac.in">https://www.scadpoly.ac.in</a>

- 2 Facebook SCAD polytechnic college
- 3 Instagram scadpoly
- 4 YouTube @scadpolytechnic2529

- xvii. Compliance of the Academic Bank of Credit (ABC), applicable to PGCM/ PGDM Institutions and University Departments : Not Applicable
- xviii To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t the courses in the website : [View details](#)
- xix. Games and Sports Facilities

SCAD POLYTECHNIC COLLEGE  
GAMES AND SPORTS FACILITIES

Field	Details	Area in Sqm
Outdoor Sports	Cricket	Ground
	Basketball Court	28 X 15 Mts
	Badminton Court	13.40 X 6.10 Mts
	Football Field	100 X 60 Mts
	Volleyball Court	18 X 9 Mts
	Kabaddi Court	13 X 10 Mts
	Throwball Court	12.20 X 9 Mts
	Kho- Kho Field	27 X 16 Mts
	Track	400 Mts
Indoor Sports	Chess	3
	Carrom	5 Board
	Table Tennis	1 set
Gymnasium	Bench Press& Weight Training set	1 No.

Ordinary Weight Plates(Castings)	20 Kgs
Weight Training Rod	1 No.
Stadiometer (Height measuring Scale)	1 No.
Weighing machine	2 Nos.

Activities Sports Day - House wise matches - 14 Games & 17 Athletics events conducted (Red house overall for Boys - Jasmine House over all for Girls)

Tournaments

Participation in inter-college events

Incharge

S.No	Name of The Staff	Designation	Specialization
1	Mr.ANWARRAJA G	Physical Director	cricket Ball, Badminton, foot Ball, kho - kho Athletics
2	Mr.VANDIMALAIYAN S	Asst. Physical Director	volley ball, Kabaddi, Hand Ball, Athletics

Achievements

S.No	Games / Sports	Event / Competition	Level	Achievement	Year
1	Hockey	Divisional	IPAA	Bronze Medal	2025-26
2	Chess	Divisional	Inter polytechnic	Gold Medal	2025-26
3	Throw Ball	Divisional	Tournament	Silver Medal	2025-26
4	Table Tennis	Divisional		Bronze Medal	2025-26
5	Kho - Kho	Divisional		Gold Medal	2025-26
6	Kabaddi	Divisional		Bronze Medal	2025-26
7	Hand Ball	Divisional		Gold Medal	2025-26
8	Volley Ball	Divisional		Bronze Medal	2025-26
9	Hockey	Divisional	C.M Trophy	Bronze Medal	2025-26
10	Foot Ball	Divisional	Women	Bronze Medal	2025-26

11	Ball Badminton	Divisional		Bronze Medal	2025-26
12	Volley Ball	Divisional		Bronze Medal	2025-26
13	Chess	Divisional		Gold Medal	2025-26
14	Kho - Kho	Divisional		Bronze Medal	2025-26
15	Tennikoit	Divisional		Bronze Medal	2025-26
16	Kabaddi	District - SDAT	Ithu Nama Attam	Gold Medal	2025-26
17	Throw Ball	District - SDAT	Ithu Nama Attam	Silver Medal	2025-26
18	Athletics - Men 200 mts	Divisional		Gold Medal	2025-26
19	Triple Jump	Divisional		Gold Medal	2025-26
20	High Jump	Divisional		Gold Medal	2025-26
21	Hammer Throw	Divisional		Silver Medal	2025-26
22	4*100 m Rely	Divisional		Gold Medal	2025-26
23	Pole Valt	Divisional		Silver Medal	2025-26
24	110 mts Hurdles	Divisional		Silver Medal	2025-26
25	4*400 mts	Divisional		Silver Medal	2025-26
26	100 mts	Divisional		Bronze Medal	2025-26
27	200 mts	Divisional		Bronze Medal	2025-26
28	Athletics - women 100 mts	Divisional		Gold Medal	2025-26
29	Shot put	Divisional		Gold Medal	2025-26
30	Discus Throw	Divisional		Gold Medal	2025-26
31	800 mts	Divisional		Silver Medal	2025-26
32	1500 mts	Divisional		Silver Medal	2025-26

33	Discus Throw	State	Bronze Medal	2025-26
	Men - Games overall Championship	Divisional	IPPA	2025-26
	Men - Athletics overall Championship	Divisional	IPPA	2025-26
	Men - Games & Athletics overall Championship	Divisional	IPPA	2025-26

xx. Teaching Learning Process

SCAD POLYTECHNIC COLLEGE

TEACHING LEARNING PROCESS

Curricula and syllabus for each of the Programs	:	Our Institution is affiliated to DOTE Chennai, Tamil Nadu. The curriculum prescribed by the DOTE comprises Humanities and Social Science Courses, Engineering Courses, Elective Courses.
Academic Calendar of the DOTE	:	Every semester DOTE prescribes the academic calendar for all affiliated institutions. Based on this academic calendar the institution prepares the academic calendar. The academic calendar is circulated to all faculty members, non-teaching staff and students at the beginning of the semester.
Academic Time Table	:	In the time table, each day is allotted with four periods of fifty minutes in the morning session and four periods of forty five minutes each in the afternoon session. Along with the regular lecture hours, additional hours are allotted for libraries to enhance self-learning. Additional hours are allotted for PET to make students physically fit.
Internal Exam Assessment	:	In each semester, as specified in the course delivery plan, two internal tests, and a model examination are conducted.

xxi. For each Post Graduate Courses give the following : Not Applicable

xxii. Title of the Course : Not Applicable

xxiii. Laboratory facilities exclusive to the Post Graduate Course : Not Applicable

18.16 Enrolment and placement details of students in the last 3years

Placement details

**SCAD POLYTECHNIC COLLEGE, CHERANMAHADEVI**  
**TRAINING & PLACEMENT CELL**

**DETAILS OF STUDENTS PLACEMENT DATA (2023-2024)**

<b>SL. NO.</b>	<b>NAME OF DEPARTMENT</b>	<b>TOTAL STUDENTS</b>	<b>NO. OF STUDENTS PLACED</b>	<b>NO .OF HIGHER STUDIES</b>	<b>NO .OF ENTREPERNER</b>
1	CIVIL	8	8	0	0
2	MECH	72	52	8	12
3	AUTO	16	14	1	1
4	EEE	79	63	9	7
5	ECE	25	22	1	2
6	CSE	28	22	3	3
<b>TOTAL</b>		<b>228</b>	<b>181</b>	<b>22</b>	<b>25</b>

**DETAILS OF STUDENTS PLACEMENT DATA (2024-2025)**

<b>SL. NO.</b>	<b>NAME OF DEPARTMENT</b>	<b>TOTAL STUDENTS</b>	<b>NO. OF STUDENTS PLACED</b>	<b>NO .OF HIGHER STUDIES</b>	<b>NO .OF ENTREPERNER</b>
1	CIVIL	9	5	3	1
2	MECH	72	61	9	2
3	AUTO	23	23	0	0
4	EEE	59	50	7	2
5	ECE	29	23	6	0
6	CSE	31	26	4	1
<b>TOTAL</b>		<b>223</b>	<b>188</b>	<b>29</b>	<b>6</b>

**DETAILS OF STUDENTS PLACEMENT DATA (2025-2026)**

<b>SL. NO.</b>	<b>NAME OF DEPARTMENT</b>	<b>TOTAL STUDENTS</b>	<b>NO. OF STUDENTS PLACED</b>	<b>NO .OF HIGHER STUDIES</b>	<b>NO .OF ENTREPERNER</b>
1	CIVIL	9	5	4	0
2	MECH	71	48	23	0
3	AUTO	26	26	0	0
4	EEE	51	45	6	0
5	ECE	29	23	6	0
6	CSE	45	27	18	0
<b>TOTAL</b>		<b>231</b>	<b>174</b>	<b>57</b>	<b>0</b>
<b>S.No</b>	<b>Name</b>		<b>Designation</b>	<b>Qualifications</b>	<b>Specialization</b>

1	MR.M.P.UMANOD	Placement Officer	M.E	Placement
2	MR.M.THIRUMALAIKUMAR	Dept Incharge	B.E	Training
3	MR.J.RASUKUTTI	Dept Incharge	B.E	Training
4	MR.T. KASIMUTHU	Dept. Incharge	M.E	Training
5	MR.R. SURESH MUTHAIAH	Dept Incharge	B.E	Training

#### 18.17 List of Research Projects/Consultancy Works

Research Projects : Nil

Consultancy Works : Nil

#### 18.18 MoUs with Industries

##### MoU's

#### **SCAD POLYTECHNIC COLLEGE, CHERANMAHADEVI**

##### **MoUs WITH INDUSTRIES**

S.N	Name of Programmes	COLLABORATED AGENCY NAME
1	Civil Engineering	Federation of Civil engineers association of tamilnadu and Puducherry (FDCEAT&P)
2	Mechanical Engineering	HL Mando Anand India Pvt Ltd, Kanchipuram
3	Automobile Engineering	Entudio Pvt Ltd, Tirunelveli
4	Electrical and Electronics Engineering	Nova Carbon India Pvt Ltd, Gangaikondan
5	Electronics and Communication Engineering	E-Dot Technologies, Tirunelveli
6	Computer Engineering	iGlobal Embedded Solutions ,Bangalore
7	Computer Engineering	Malaris software solutions, Tirunelveli
8	Computer Engineering	Infosmite EduTech LLP , Tirunelveli
9	Computer Engineering	Roriri Software Solutions,Kalakad
10	Computer Engineering	Incrix Techlutions LLP,Kovipatti
11	Computer Engineering	L&T EduTech ,Chennai.