



# A.D.J. DHARMAMBAL POLYTECHNIC COLLEGE

(A Government Aided Co - Educational Institution)

(Approved by AICTE & Affiliated to Directorate of Technical Education, Chennai - 600 025)

Nagore Main Road, Kadambadi, Nagapattinam - 611 001  
Tamil Nadu.

Since : 1979 | E-mail : [principal@adjdpc.ac.in](mailto:principal@adjdpc.ac.in) | Web : [www.adjdpc.ac.in](http://www.adjdpc.ac.in) | Phone : 04365 - 248161, 248820.

## ACADEMIC CALENDAR

### 2023-2024





## **Thiru A. D. Jeyaveera Pandian** **Founder**

This polytechnic was established due to the initiative of Thiru. A.D. Jawaharlal Pandian in memory of his beloved better-half, late Mrs. Dharmambal in the year 1979 & run By A.D.J. Dharmambal Educational Trust.

A.D.J. Dharmambal Polytechnic is a Government Aided Institution which was started under the auspices of Thiru. A.D. Jeyaveera Pandian and is running efficiently under the continuous guidance, encouragement and support from the management.

Our founder president, late Thiru. A.D.Jeyaveera Pandian was a great philanthropist, Industrialist and a pioneer in the Import and Export business. He showed great interest in the growth and development of the polytechnic.



Thiru. **A.D. Jeyempandian** B.Sc, B.Sc.(Tech.)  
**Former Chairman**

Our Former Chairman Thiru. A.D.Jeyem Pandian, B.Sc, B.Sc.(Tech)., was playing a pivotal role in the development of our polytechnic. Thiru. A.D. Jeyempandian took over the charge as chairman, who further expanded the academic and administrative horizons of the college and transformed the college into a reputed academic community. The college attained dizzy heights of success and everything tells the success story of his period.



Thiru. Dr. **A.D. Jagadeeshwar**, M.B.B.S.  
**Chairman**

Dr. A. D. Jegadheeswar is the youngest of the ADJ brothers and the chairman of our college. He amply supports and executes the plans in an excellent way.



**Thiru. K. Jeyaprakash** B.Sc.(Agri)  
Treasurer

Mr. K. Jeyaprakash is shouldering responsibilities, rendering his continuous support in materializing the dreams. Their ethical values, principles and practices are carried forward and cherished through generations. With the dawn of single trading, Export and Import Company, headquarters in Chennai, the group has now emerged into a 61-year legacy of global trading. ADJ brothers group is renowned for social involvement in Educational Institutions to Empower Women and Men as well.



**Dr. G. Senthilkumar**  
Principal

Dr. G. Senthilkumar M.E.,Ph.D., Principal of A.D.J. Dharmambal Government Aided Polytechnic College, Nagapattinam, is a vibrant leader with his ground-breaking approach and proven administrative prowess produces many young engineering professionals to this society. He has completed his Ph.D in Machine Vision from Anna University, Chennai. Post-Graduation in Industrial Engineering and Under-Graduation in Mechanical Engineering from Thiagarajar College of Engineering, Madurai. He has authored over 25 publications at internationally and nationally well-known conferences and journals. He has received Gandhian Young Technological Innovation - GYTI Award 2016 @ Rastrabathi Bhawan, New Delhi., for "Design and development of semi-automatic flower knotting device" He is a noted academician bringing in 30 years of experience in teaching, research and industries.

## PERSONAL MEMORANDA

1. Name : \_\_\_\_\_

2. Name of the  
Father / Guardian: \_\_\_\_\_

3. Present Address : \_\_\_\_\_

4. Year / Semester : \_\_\_\_\_

Branch : \_\_\_\_\_

Reg.No : \_\_\_\_\_

5. Date of Birth : \_\_\_\_\_

6. Height : \_\_\_\_\_

Weight : \_\_\_\_\_

7. Blood Group : \_\_\_\_\_

8. Cycle No. & Make: \_\_\_\_\_

9. Calculator No. & Type: \_\_\_\_\_

10. Phone No. with STD Code : \_\_\_\_\_

Cell No. : \_\_\_\_\_

11. Goal. : \_\_\_\_\_

**A.D.J. DHARMAMBAL POLYTECHNIC COLLEGE,  
NAGAPATTINAM.**

(A Government Aided Co-Educational Institution )

**VISION**

To become Centre of Excellence in imparting value based technical education to students and equip them as industry proficient and socially responsible citizens.

**MISSION**

MI : To impart transformative technical education through innovative teaching and learning methodologies.

M2 : To add value for high quality technical education by ensuring adequate infrastructure.

M3: To enhance academia-industry partnership through internships.

M4: To inculcate ethical and moral values among the students that will make them socially and environmentally responsible citizens.

**GOAL**

To serve as the foundation for the all technological progress and advancement activities around the world.

**VALUE**

Values the restoration of high level technological updation learning collaboration, resource sharing and community building tradition.

## **BRIEF HISTORY OF THE POLYTECHNIC COLLEGE**

Technical Education promotes man power developments and plays an important role in developing the nation. It provides skills for a better learning and working environment which are necessary for citizens of a country.

Our Polytechnic College is a State Government Aided Institution that was founded in 1979 by 'Vidhya Seva Ratna' Thiru A.D. Jeyaveera Pandian with the initiative of Thiru. A.D. Jawaharlal Pandian in memory of his beloved better-half, the late Mrs Dharmambal. Our Former Chairman Late Thiru. A.D Jeyam Pandian B.Sc., B.Sc., (Tech), was playing a pivotal role in the development of our polytechnic. It is affiliated to the Directorate of Technical Education and approved by All India Council for Technical Education (AICTE), New Delhi. It is managed by A.D.J. Dharmambal Educational Trust and is running efficiently under the continuous guidance, encouragement and support from the management. The overall management of the institution is vested with Governing Council under the able leadership Thiru. A.D. Jagadeeshwar, M.B.B.S., as Chairman, Thiru. K. Jeyaprakash, B.Sc (Agri)., as Treasurer. The Governing council consists of representatives for Directorate of Technical Education, academia and industries.

Our polytechnic college is situated along the main road between Nagapattinam and Nagore and within the town limits of Nagapattinam, Tamilnadu. The campus is imaginatively laid out with a beautiful landscape in a serene and salubrious environment. The campus has the amenities such as Cooperative Stores, Canteen and Xerox centre to cater to the needs of various stakeholders.

The following 3 year full-time diploma programmes are offered under aided stream.

**Electronics and Communication Engineering**

**Computer Engineering**

**Instrumentation and Control Engineering**

The institution also offers the following Self-financing 3 year full-time diploma courses:

**Electrical and Electronics Engineering**

**Mechanical Engineering**

#### **INFRASTRUCTURE AND OTHER AMENITIES :**

State-of-the-art infrastructure facilities, adequate laboratories, fully furnished classrooms; well-stacked library, etc provide ample opportunities to the students to hone their skill and knowledge. Students are exposed to the latest technology and recent advancements in the respective field. A Placement Cell is functioning very effectively in our campus. It conducts ON and OFF Campus interviews by inviting the leading organizations in to our campus. Our Institution has become an Institutional Member of the prestigious “The Indian Society for Technical Education” since 2004. Under ISTE, we can conduct seminars, conferences and workshops for both staff and students on the emerging field of technologies NSS is functioning exceptionally at our campus. Students are given ample opportunities to exhibit their talents in co-curricular and extra curricular activities. We have a dedicated team of experienced and qualified Teachers, supporting staff and Administrative staff pursues their mission of service to the society and nation.



## MEMBERS OF THE GOVERNING COUNCIL

1. **Dr. A.D. JAGADEESHWAR**, M.B.B.S., : Chairman /  
A.D.J. Dharmambal Trust, Managing Trustee  
Nagapattinam.
2. **Mr. N. KATHIRESAN PRABU**, B.E., : Member / Management  
Industrialist, Theni.
3. **Mr. K. JEYAPRAKASH**, B.Sc., (Agri), : Correspondent / Treasurer  
Industrialist, Chennai.
4. **Mr. J. GANESH**, B.E., : Member / Management  
Industrialist, Madurai.
5. **Mr. S. ANNAMALAI**, B.Tech., : Member / Management  
Industrialist, Madurai.
6. **Dr. G. SENTHIL KUMAR**, M.E., Ph.D., : Principal, (Ex-Officio)  
Principal, Member / Secretary  
A.D.J. Dharmambal Polytechnic College,  
Nagapattinam.
7. **THE DIRECTOR OF TECHNICAL** : Member / Secretary  
**EDUCATION,**  
Chennai - 25  
Nominee of the Govt. of Technical  
Education, Tamilnadu Chennai - 25.
8. **THE PRINCIPAL,** : Member / Nominee of the State Board  
Government Polytechnic College of Technical Education & Training -  
Aranthangi - 614 616. Government (Nominated by the  
Director of Technical Education ,  
Chennai - 25)
9. **THE PRINCIPAL,** : Member / Nominee of  
Alagappa Chettiyar Government Government of India  
College of Engineering & (Ex -Officio Member)  
Technology, Karaikudi - 630 003.
10. **THE SOUTHERN REGIONAL OFFICER,** : Member / Nominee of  
SRO of AICTE Government of India  
26, Haddows Road, (Ex -Officio Member)  
Nungampakkam, Chennai - 6
11. **Dr. G. SRINIVASAN,** : Member /  
Member of AICTE Nominee of AICTE  
Professor / Dept. of Chemical Engineering.

## MEMBERS OF THE STAFF

Dr. G. SENTHILKUMAR, M.E., Ph.D., : Principal

### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Mr. A.R. GANESAN, M.E., : Head of the Dept

Mrs. S. SHANTHI, M.E., : Lecturer

Mr. B. BALAMURUGAN, M.E., : Lecturer

### DEPARTMENT OF COMPUTER ENGINEERING

Mr. M. RATHAN KUMAR @ PRABU, M.E., M.B.A., : Head of the Dept

Mrs. N. SWARNALATHA, B.E., : Lecturer (Sr.G)

Miss. R. PRASANTHI @ PUNITHAVATHI, M.C.A., M.E., : Lecturer (Sr.G)

Mrs. V. BANUMATHY, M.E., : Lecturer (Sr.G)

Mrs. A. PADMA, M.E., : Lecturer

### DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

Mrs. D. SIVAKAMI, B.E., : Lecturer (Sr.G)

Mrs. J. MEKALA, M.E., : Lecturer (Sr.G)

Mr. M. SUNDARAM, M.E., M.I.S.E.E., : Lecturer

### DEPARTMENT OF BASIC ENGINEERING

Mr. D. ANBULINGAM, M.A., B.Ed., : Lecturer- English

Mrs. M. SYAMALA, M.Sc., B.Ed., M.Phil., : Lecturer (Sr.G)-Maths

Mrs. R. AKILA, M.Sc., B.Ed., P.G.D.C.A, M.Phil., : Lecturer (Sr.G)-Physics

Mrs. A. HELEN MARY CLARA, M.Sc., M.Phil., B.Ed., : Lecturer (Sr.G) - Physics

Mrs. J. MEENA, M.Sc., B.Ed., P.G.D.C.A, M.Phil., : Lecturer (Sr.G) - Chemistry

Mr. S. RAJASEKARAN, M.Sc., M.Phil., B.Ed., : Lecturer - Chemistry

Mr. M. JIJENDRA, B.A, M.P.Ed., NET : Physical Director

### SUPPORTING STAFF

Mrs. K. VEMBU, D.E.C.E, M.Sc (CS), : Instrument Mechanic (Sup.Spl.Gr)

Mr. K. PALANIVEL, B.E., : Instrument Mechanic

Mrs. V. CHITRA, D.E.C.E, M.Sc(CS), : Laboratory Assistant (Sup.Spl.Gr)

Mrs. K. MALANACHIYARAMMAL,  
D.E.C.E, M.C.A, P.G.D.C.A., : Skilled Assistant (Sup.Spl.Gr)

Mrs. R. VIJAYALAKSHMI, D.E.C.E, M.Sc., : Skilled Assistant (Sup.Spl.Gr)

Mrs. G. AYYAPPAKUMARI, D.C.E., : Laboratory Assistant (Sup.Spl.Gr)

Mr. M. BALASUBRAMANIAN, D.E.E.E., : Electrician (S.Gr)

Mr. G. VENKATESAN : Laboratory Assistant (S.Gr)

Mr. D. MURUGAN : Laboratory Assistant (S.Gr)

### **MINISTERIAL STAFF**

Mr. K.S. SUNDARARAJAN, M.A., B.L.I.Sc., : Assistant  
Mr. T. PRAKASH, B.Com., M.B.A., : Assistant  
Mr. A. RAMARAJAN ALEX, D.E.C.E., : Record Clerk  
Mrs. V. MANIMEKALAI, D.C.E., : Typist

### **OFFICE ASSISTANTS**

Mr. C. MURUGAIYAN : Office Assistant (S.Gr)  
Mr. S. MURUGESAN : Office Assistant (S.Gr)  
Miss. M. RAJAKUMARI : Office Assistant (S.Gr)  
Mr. N. NATARAJAN : Gardener (Spl.Gr)  
Mr. C. RAJENDRAN : Watchman(Spl.Gr)  
Mr. K. CHACKARAVARTHY : Watchman (S.Gr)  
Mrs. A. KAVITHA : Watchman (S.Gr)  
Mrs. K. VASANTHI : Sweeper (Spl.Gr)

### **SELF FINANCING STAFF**

#### **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

Mrs. K. ABIRAMI, M.Tech., M.B.A., : HOD / Incharge  
Ms. S. SARANYA, M.E., : Lecturer  
Mrs. K. SATHIYA, M.Tech., : Lecturer  
Mr. S. MANIKANDAN, B.Tech., M.Tech., : Lecturer  
Mr. A. ALEXIS RAJ, B.Tech., : Lecturer

#### **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

Mr. M. ARUNKUMAR, B.E., : Lecturer

#### **DEPARTMENT OF MECHANICAL ENGINEERING.**

Mr. V. SANKAR GANESH, B.E., M.B.A., : Lecturer  
Mr. S. TAMIL DAASAN, B.E., M.B.A., : Lecturer  
Mr. R. KUMARAVIJAYAN, M.Tech., : Lecturer  
Mr. S. ARIHARAN, M.E., : Lecturer

### **OFFICE**

Mr. K. MARIMUTHU : Sweeper  
Mr. N. SIVA : Marker  
Mrs. R. POOMADEVI : Sweeper

## **COURSES OF STUDY OFFERED**

This polytechnic college offers the following Diploma Courses of 3 Years duration.

### **GOVERNMENT AIDED COURSES**

NAME OF THE COURSE	Intake	Intake
	first year	second year (10%)
1. Electronics & Communication Engineering	: 60	06
2. Computer Engineering	: 60	06
3. Instrumentation & Control Engineering	: 60	06

### **SELF FINANCE COURSES**

1. Electrical & Electronics Engineering	: 60	06
2. Mechanical Engineering	: 60	06

### **PATTERN OF THE COURSES**

First year Basic Engineering course is common to all students. The branches will be allotted at the beginning of the first Year. They have to continue their study for six more semesters as detailed below:

I Year :	I Semester	- July	to November
	II Semester	- December	to April
II Year :	III Semester	- June	to November
	IV Semester	- December	to April
III Year :	V Semester	- June	to November
	VI Semester	- December	to April

### **MODE OF SELECTION: Direct Admission**

Selection of students will be done in the polytechnic college as per the norms of State Government and AICTE.

### **1. QUALIFICATION FOR ADMISSION TO FIRST YEAR DIPLOMA COURSE IN ENGINEERING**

A pass in X standard is sufficient for a candidate seeking admission into the first year of the Diploma Course.

### **AGE LIMIT**

There is no age restriction to join the Diploma courses with effect from the academic year 2004 - 2005.

## **2. ELIGIBILITY FOR DIRECT ADMISSION TO SECOND YEAR DIPLOMA COURSE**

### **(i) +2 (Academic & Vocational)**

Candidates who have passed the Higher Secondary Course will be admitted directly in the second year of Diploma course . They should have studied any one of the following subjects at the Higher Secondary level (Physics or Chemistry or Mathematics) or vocational stream.

### **(ii) ITI**

Students who have passes SSLC and 2 years ITI course can join second year of Diploma course relevant to their trade studied

### **DETAILS OF FEES I YEAR**

Application forms are issued by the Polytechnic College directly. Cost of application form for S.C & S.T : FREE OF COST

Cost of application form for others : Rs. 150/-

Cost of application form for II<sup>nd</sup> Year : Rs. 150/-

The fees to be paid by each student at the time of admission to the First year diploma course is structured based on the norms given by the Directorate of Technical Education, Chennai.

### **FEES FOR AIDED COURSES**

1. Admission fee	Rs.	10.00
2. Caution deposit	Rs.	100.00
3. Tuition fee	Rs.	2,500.00
4. Special fee	Rs.	1,000.00
5. Development fee	Rs.	1,000.00
6. Mark sheet	Rs.	65.00
7. Red Cross & N.S.S	Rs.	30.00

### **FEES FOR SELF FINANCING COURSES**

1. Admission fee	Rs	100.00
2. Caution deposit	Rs.	100.00
3. Tuition fee	Rs.	11,850.00
4. Development fee	Rs.	2,250.00
5. Mark sheet	Rs.	65.00
6. Red Cross & N.S.S	Rs.	30.00

## **FEES FOR BOARD EXAMINATIONS :**

Registration Fees	: Rs. 30/-
Fees for II / III year	: Rs. 455- + 40/- for mark sheet.
Each Subject	: Rs. 65/-
Fee for Provisional certificate	: Rs.110/-
Fee for Diploma certificate	: Rs.225/-
Fee for consolidated mark sheet	: Rs.60/-

### **NOTE :**

- 1) A fee of Rs. 65/- per paper will be collected from the supplementary candidates who have failed in subjects.
- 2) Each practical exam will be considered as a separate paper in all courses.

## **REGULATION FOR THE DIPLOMA COURSE UNDER SEMESTER SYSTEM**

### **1. Description of the Course :**

#### **Full Time (3 Years)**

The Course for the Full Time Diploma in Engineering Shall extent over a period of three academic years, consisting of 6 semesters and the First Year is common to all Engineering Branches.

### **2. Condition for Admission :**

Condition for admission of the Diploma courses shall required to have passed in the S.S.L.C. Examination of the Board of Secondary Education, Tamilnadu.

(Or)

The Anglo Indian High School Examination with eligibility for Higher Secondary Course in Tamilnadu.

(Or)

The Matriculation Examination of Tamilnadu

(Or)

Any other Examinations recognized as equivalent to the above by the Board of Secondary Education, Tamilnadu.

Note : In addition, at the time of admission the candidate will have to satisfy certain minimum requirements, which may be prescribed from time to time.

### 3. Admission to Second Year (Lateral Entry):

A Pass in HSC (Academic) or (Vocational) courses mentioned in the Higher Secondary Schools in Tamilnadu affiliated to the Tamilnadu Higher Secondary Board with eligibility for university courses of study or equivalent examination & should have studied following subjects

Sl.No.	Courses	H.Sc Academic	H.Sc Vocational	
		Subjects Studied	Subjects Studied	
			Related Subjects	Vocational Subjects
1	All the regular & Sandwich Diploma Courses	Physics & Chemistry Compulsory along with Maths / Biology	Maths / Physics / Chemistry	Related Vocational Subjects Theory & Practical

### 4. Eligibility for the award of Diploma :

No candidate shall be eligible for the diploma unless he/she has undergone the prescribed course of study for a period of not less than 3 academic years in any institution affiliated to the State Board Technical Education and Training, Tamilnadu, when joined in First Year and two years if joined under Lateral Entry scheme in the second year and passed the prescribed examination.

### 5. Examinations :

Board Examinations in all subjects of all the semesters under the scheme of examinations will be conducted at the end of each semester.

The internal assessment marks for all the subjects will be awarded on the basis of continuous internal assessment earned during the semester concerned. For each subjects, 25 marks are allotted for internal assessment. Board Examination are conducted for 100 marks and reduced to 75.

## 6. Continuous Internal Assessment :

### A) For Theory Subjects :

The internal Assessment marks for total of 25 marks, which are to be distributed as follows :

#### i) Subject attendance :

**5 Marks**

(Award of marks for subject attendance to each Theory/Practical will be as per the range given below)

75% - 80%	1 Marks
81% - 85%	2 Marks
86% - 90%	3 Marks
91% - 95%	4 Marks
96% - 100%	5 Marks

#### ii) Test #

**10 Marks**

2 Tests each of 2 hours duration for a total of 50 marks are to be conducted. Average of these 2 test marks will be taken and the marks to be reduced need to : 05 Marks

The Test - III is to be the Model Examination covering all the five units and the marks so obtained will be reduced to : 05 Marks

**Total : 10 Marks**

Test	Units	When To Conduct	Marks	Duration
<b>Test I</b>	Unit - I & II	End of 6 <sup>th</sup> week	50	2 Hrs
<b>Test II</b>	Unit - III & IV	End of 12 <sup>th</sup> week	50	2 Hrs
<b>Test III</b>	<b>Model Examination Compulsory</b> Covering all the 5 Units (Board Examinations question paper pattern)	End of 16 <sup>th</sup> week	100	3 Hrs



**iii) Assignment :**

**5 Marks**

For each subject Three Assignments are to be given each for 20 marks and the average marks scored should reduced for 5 marks

**iv) Seminar Presentation**

**5 Marks**

**B) For Practical Subjects :**

The Internal Assessment mark for a total of 25 marks which are to be distributed as follows :-

- a) **Attendance** : **5 Marks** (Award of marks same as theory subjects)
- b) **Procedure/observation and tabulation / other Practical related Work** : **10 Marks**
- c) **Record writing** : **10 Marks**
- TOTAL** : **25 Marks**

**7) Project Work and Internship :**

The students of all the Diploma Courses (except Diploma in Modern Office Practice) have to do a Project work as a part of the curriculum and in partial fulfillment for the award of Diploma by the State Board of Technical Education and Training, Tamilnadu. In order to encourage students to do worthwhile and innovative Projects, every year prizes are awarded for the best three projects i.e, institution wise, region wise and state wise. The Project Work must be reviewed twice in the same semester.

**a) Internal Assessment Mark for Project Work & Internship:**

- Project Review I ... **10 marks**
- Project Review II ... **10 marks**
- Attendance ... **05 marks**
- TOTAL** ... **25 marks**

Proper record to be maintained for the two Project Reviews, and It should be preserved for 2 Semesters and produced to the flying squad and the inspection team at the time of inspection / verification

**b) Allocation of marks for Project Work & Internship in Board Examination**

- Project Report ... **25 marks**
- Demonstration/ Presentation ... **25 marks**
- Viva Voce ... **30 marks**
- Internship Report ... **20marks**
- TOTAL** ... **100 marks**

### **c) Internship Report :**

The internship training for a period of two weeks shall be undergone by every candidate at the end of IV/V semester during vacation. The certificate shall be produced along with the internship report for evaluation. The evaluation of internship training shall be done along with final year “Project Work & Internship” for 20 marks. The internship shall be undertaken in any industry/Government or Private certified agencies which are in social sector / Govt. Skill Centres/ Institutions / Schemes.

**A neatly prepared PROJECT REPORT as per the format has to be submitted by individual student during the Project Work & Internship Board examination.**

### **8) Criteria for pass :**

1. No candidate shall be eligible for the award of Diploma unless he/ she has undergone the prescribed course of study successfully in an institution approved by AICTE and Affiliated to the State Board of Technical Education & Training, Tamil Nadu and pass all the subjects Prescribed in the curriculum.

2. A candidate shall be declared to have passed the Examination in a subject if he/she secures not less than 40% in Theory subjects and 50% in practical subjects of the total prescribed maximum marks including both the Internal Assessment and the Board Examination marks put together, subjects to the condition that he/she secures atleast a minimum of 40 marks out of 100 marks in the Board Theory Examinations and a minimum of 50 marks out of 100 marks in the Board practical Examinations.

### **9) Classification of successful candidates :**

Classification of candidates who will pass out the final Examinations from April 2023 onwards (Joined in first year 2020 - 2021) will be done as specified below.

#### **First Class with Superlative Distinction :**

A candidate will be declared to have passed in first class with superlative distinction if he/she secures not less than 75% of the aggregate marks in all the subjects and passes all the semesters in the first appearance itself and passes all the subjects within the stipulated period of study 3 years without any break in study.

### **First Class with Distinction :**

A candidate will be declared to have passed in **First Class with Distinction** if he/ she secures not less than 75% of the aggregate marks in all the subjects put together and passes all the semesters except the I<sup>st</sup> and II<sup>nd</sup> semester in the first appearance itself and passes all subjects within the stipulated period of study 3 years (full time without any break in study).

### **First Class**

A candidate will be declared to have passed in **First Class** if he/ she secures not less than 60% of the aggregate marks in all semesters put together and passes all the subjects within the stipulated period of study 3 years (Full Time) without any break in study.

### **Second Class**

All other successful candidates will be declared to have passed in **Second Class**.

### **SCHOLARSHIPS**

<b>Sl.No</b>	<b>Particulars</b>	<b>Eligibility</b>
<b>1</b>	Backward class Scholarship, Government of Tamil Nadu	* BC/ MBC/ DNC Students * Parents Annual Income Rs. 2,00,000/- * Only for Tamil Nadu residents
<b>2</b>	Government of India Scholarship	* SC/ST Students * Parents Annual Income Rs. 2,50,000/-
<b>3</b>	Tuition Fee Concession DOTE, Tamil Nadu	* SC/ST Students * Converted Christians
<b>4</b>	TamilNadu Agriculture Scholarship Scheme	* Agriculture card holder Parents
<b>5</b>	Pragati	* Only for Girls & Family income less than Rs.8 lakh per annum.
<b>6</b>	Shwanat	*Orphan * Either or both parents died due to Covid-19 * Wards of Armed Forces and Central Paramilitary Forces martyred in action (Shaheed)

<b>7</b>	Saksham	* Specially-abled student, having disability of not less than 40%. * Family income less than Rs.8 lakh per annum
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### Special Note

The scholarship holders will not be permitted to hold more than one scholarship at a time.

### INTERNAL EXAM CELL

The internal Examinations are conducted through the INTERNAL EXAM CELL for all the students(I, II and III Years) as per the syllabus prescribed by the State Board of Tech. Education. The INTERNAL EXAM CELL constitutes one CEO and 5 CO-ORDINATORS for the departments ECE, CE, ICE, EEE, MECH & 1YEAR.

THE TENTATIVE CALENDAR OF INTERNALASSESSMENTS for the ACADEMIC YEAR 2023-2024 is prepared as per the POLYTECHNIC COLLEGE CALENDAR OF EVENTS FOR THE ACADEMIC YEAR 2023-2024 (TENTATIVE) DEPARTMENT OF TECHNICAL EDUCATION, CHENNAI - 25.

<b>Exam</b>	<b>Portions</b>	<b>Max. Marks</b>	<b>Date</b>	<b>Time</b>
<b>IA I</b>	UNIT I &II	50	17.07.2023 to 19.07.2023	02:30 pm -04:30 pm
<b>IA I</b>	UNIT III & IV	50	28.08.2023 to 30.08.2023	02:30 pm -04:30 pm
<b>MODEL</b>	ALL 5 UNIT	100	25.09.2023 to 27.09.2023	02:00 pm -05:00 pm

### Working Hours :

<b>Class :</b> Morning Session	09.30 am to 01.20 pm
Lunch Interval	01.20 pm to 02.00 pm
Afternoon Session	02.00 pm to 05.00 pm
<b>Office :</b> Morning Session	09.30 am to 01.20 pm
Lunch Interval	01.20 pm to 02.00 pm
Afternoon Session	02.00 pm to 05.10 pm

## **Extra Curricular Activities:**

### **a) Sports and games**

Facilities for indoor and outdoor games are available in the polytechnic college. This polytechnic college is a member of Inter Polytechnic College Athletic Association (IPAA) and is sending teams for tournaments.

### **b) National Service Scheme (N.S.S)**

There are two N.S.S. units functioning in this polytechnic college. Participation in N.S.S. by the student is optional and all the medically fit students can join in N.S.S.

### **c) Youth Red Cross (Y.R.C)**

There is an Y.R.C unit functioning in this polytechnic college. All the students can join in Y.R.C.

### **d) Red Ribbon club (R.R.C)**

To create awareness about HIV and AIDS among students, Red Ribbon Club is functioning at our College.

## **OTHER PROGRAMMES OFFERED BY THE POLYTECHNIC COLLEGE**

1. Canada India Institutional Co-operation Project
2. Entrepreneurship Development Cell
3. Institution Innovation Council

### **1. CANADA INDIA INSTITUTIONAL CO-OPERATION PROJECT (CIICP)**

The Canada - India Institutional Co-operation Project (CIICP) is a Technical Education project mandated by a memorandum of understanding between the governments of Canada and India and funded by the Canadian International Development Agency (CIDA). The Canadian Executing Agency is the Association of Canadian Community Colleges (ACCC).

This is the first major project supported by the Government of Canada in the technical education sector in India. The overall project direction is provided by the Ministry of Human Resource Development of India.

**Under the CIICP we have the following thrust areas for development:**

- |                                  |                                   |
|----------------------------------|-----------------------------------|
| 1. Continuing Education          | 2. Staff Development              |
| 3. Environmental Development     | 4. Facilities Development         |
| 5. Management Information System | 6. Women in Development           |
| 7. Student services              | 8. Industry Institute Interaction |
| 9. Equipment Repair Centre.      |                                   |

**ENTREPRENEURSHIP AND DEVELOPMENT CELL**

(Sponsored by AICTE - New Delhi)

This scheme is launched with a view to encourage students in polytechnic colleges to consider self employment as a career option, provide training in entrepreneurship through modular courses and increase the relevance of management particularly in the non- corporate and under management sectors.

**Activities :**

1. To Conduct entrepreneurship awareness programmes for final year students.
2. To Conduct skill development programmes for final year students.
3. To conduct seminars and training on particular areas of requirements

**Institution's Innovation Council :**

Institution's Innovation Council at our polytechnic is functioning from the academic year 2022 - 2023. It aims at encouraging the creativity of the students to work on new ideas and promote them to create start-ups and entrepreneurial ventures.

**RAGGING IS BANNED**

- Ref :
1. G.O Ms No. 469ES &T dated 25.04.1989
  2. Directorate of Technical Education's Lr. No 109717/J3/88 dated 22.09.1989

Ragging is an unpardonable injustice against student community and students who take part in this barbarian act will be definitely expelled from the institution and also punishable by law.

**பகடிவதை (Ragging) தடை**

கல்லூரி வளாகத்தில் உள்ளும் வெளியும் மாணவ, மாணவிகளை ராக்கிங் (Ragging) செய்வது தடைசெய்யப்பட்டுள்ளது. பகடிவதை மன்னிக்க முடியாத குற்றமாகும் என்று மாணவ, மாணவிகள் இதனால் எச்சரிக்கப்படுகிறார்கள். இத்தடை உத்தரவை மீறி ராக்கிங்கில் ஈடுபடும் | மாணவர்கள் கல்லூரியிலிருந்து உடனடியாக நீக்கப்படுவதுடன் அரசு சட்ட விதிகளின்படி காவல் துறையிடம் ஒப்படைக்கப்படுவார்கள். சிறை தண்டனையும், அபராதமும் விதிக்க நேரிடும்.

**FOLLOWING ARE TREATED AS MALPRACTICE IN THE  
EXAMINATION HALL**

1. Copying from the neighbours answer scripts or from the bits possessed by them.
2. Talking to the neighbour or showing answers to them.
3. Possession of bits or any other written or printed material connected to the day's examination or not.
4. Replacement or exchange of answer scripts or additional sheets.
5. Writing answers or any other information on the question paper or exchange of question papers.
6. Information connected with the examination written on the table, scale etc., or any part of the body of the candidate.
7. Avoiding of giving statement regarding malpractice trying to spoil or swallow or throw of the bits etc., after detection.
8. Transaction of material with neighbour or others.
9. Writing any requisition, register number or any unconnected information in the answer scripts.
10. Misbehavior with the Chief /Additional Chief Superintendent or Hall Superintendents.
11. Any other acts which may lead to malpractice as stated above.
12. Impersonation in appearing for examinations.
13. Writing the examination without valid hall ticket.
14. Noting down the answers of the problems in his / her question paper before leaving the Hall.
15. Tearing off sheets from the answer book.
16. Inserting pre-written additional sheets having matters related to the subject of the day's examination into the main answer book.
17. Replacing the answer book supplied in the hall by pre-prepared answer book brought by the candidate himself/herself or got from outsiders.
18. Leaving the examination hall with the question paper of the day's examination before the expiry of the period prescribed by the Board of Exams. (normally 45 minutes from the commencement of Exam) in spite of the warning of Hall Superintendent.

## **THE FOLLOWING ARE THE PUNISHMENTS BEING AWARDED TO THE MALPRACTICE STUDENTS**

- 1) All the papers of the concerned semester written by the candidate in that sitting including practicals will be cancelled.
- 2) All the papers written by the candidate in that sitting (all semester papers including practicals ) will be cancelled and the candidate will be debarred for two/four more semesters of Board Examinations.

## **LIBRARY RULES AND REGULATIONS**

1. Library is kept open on all working days from 09.30 a.m. to 5.00 p.m.
2. Every student can borrow only one book at a time and keep the book for one week. If the book is not returned in due time, 50 paise per day will be levied. If the book is lost or damaged, double the cost or triple the cost of the book will be collected.
3. Student can borrow books from the library on showing their ID card otherwise book will not be issued.
4. Students are warned not to damage, scribble or tear the papers of the book and if found, they will be punished.
5. All the students should return their library books atleast 15 days before semester examination. No book will be issued to student during vacation.
6. Students are not allowed to borrow the reference books and magazines.
7. Students should sign in and sign out in the barcode scanner using their ID Card when entering and leaving the library.

சோம்பேறி என்பவன் யார்?

வேலை எதுவும் செய்யாமல் தூங்கிக் கொண்டிருப்பவன்  
மட்டும் சோம்பேறியல்ல, தனக்கு வசதி வாய்ப்புகள் இருந்தும்  
தன்நிலையிலிருந்து முன்னேற நினைக்காதவனும் சோம்பேறியே  
நன்றி-சாக்ரடீஸ்



## மின்னணு வருகைப்பதிவு பற்றிய அறிவுரைகள்

1. ஒவ்வொரு மாதமும் மாணவர்களுடைய வருகைப் பதிவு இன்டர்நெட் மூலம் தொழில் நுட்பக்கல்வி இயக்ககத்திற்கு அனுப்பப்படும்.
2. உடல்நலக்குறைவு காரணமாக மாணவரோ/மாணவியோ பயிலகத்திற்கு வர இயலாத பட்சத்தில் மருத்துவரிடம் உடல்நலக் குறைவு பற்றிய விபரங்களுடன் சான்று பெறப்பட்டு, பயிலகத்தில் உடனடியாக சமர்ப்பிக்கப்பட வேண்டும்.
3. NSS/NCC/Sports/Seminar-ல் கலந்துகொள்ளும் மாணவர்களுக்கு சம்பந்தப்பட்ட ஆசிரியர்களிடமிருந்து உடனுக்குடன் சான்று பெறப்பட்டு அதன் பின்னர் மாற்று வேலையாக (ON DUTY) கருதப்பட்டு வருகைப்பதிவு வழங்கப்படும். தாமதமாக சமர்ப்பிக்கப்படும் சான்றுகளை வருகைப்பதிவிற்கு ஏற்க இயலாது.
4. வருகைப் பதிவு குறைவாக உள்ள மாணவர்களுக்கு அவர்களுடைய பெற்றோர்களுக்கு ஒவ்வொரு மாதமும் சான்று அஞ்சல் மூலம் தகவல் தெரிவிக்கப்படும்.
5. மாணவர்களுடைய வருகைப்பதிவு அடிப்படையில் 75% க்கு மேல் வருகைப் பதிவு உள்ள மாணவர்களுக்கு வாரியத் தேர்வு எழுதுவதற்கு நுழைவுச் சீட்டு தொழில்நுட்பக் கல்வி இயக்ககத்தால் மட்டுமே வழங்கப்படும்.
6. மாணவர்களின் வருகைப் பதிவு சதவிகிதம் அவர்கள் வகுப்புக்கு வந்த நாட்களை அடிப்படையாகக் கொண்டு தொழில்நுட்பக் கல்வி இயக்ககத்தால் கணக்கிடப்படுகிறது.
7. மாணவர்களின் வருகைப் பதிவு மற்றும் தேர்வு நுழைவுச் சீட்டு ஆகியவை கணினி மென்பொருள் மூலமாக தொழில்நுட்பக் கல்வி இயக்ககத்தால் இறுதி செய்யப்படுவதால் மாணவர்கள் மேலே கூறப்பட்ட மின்னணு வருகைப் பதிவு பற்றிய அறிவுரைகளை கவனமாக பின்பற்ற வேண்டும். மேலும் வருகைப் பதிவிலிருந்து எவ்வித விலக்கு கோரி பயிலகத்தையோ, முதல்வரையோ, தொழில்நுட்பக்கல்வி இயக்ககத்தையோ எக்காரணம் கொண்டும் மாணவர்கள் சந்திக்க கூடாது என்றும் அறிவுறுத்தப்படுகிறார்கள்.

## **DEPARTMENT OF BASIC ENGINEERING**

### **VISION**

To build foundation of students in Basics of Science, create knowledge relevant to the core of Engineering subjects, nurturing enthusiasm, interests and passion.

### **MISSION**

- To impart fundamental knowledge in Engineering education using model tools and laboratories for teaching Mathematics, Basic science and Engineering fundamentals.
- To sharpen and modulate the soft skills and application of basic knowledge to technical training.
- To imbibe team spirit and leadership qualities among students and thereby encourage them for technical innovation.

### **SUBJECTS**

#### **I SEMESTER**

TA231110	TAMIL MARABU
MA231120	BASIC MATHEMATICS
PH231330	BASIC PHYSICS
CH231340	BASIC CHEMISTRY
EN231350	COMMUNICATIVE ENGLISH I
WP231360	BASIC WORKSHOP PRACTICES
DS231270	DIGITAL WORKPLACE SKILLS
BE231280	BASIC ENGLISH FOR EMPLOYABILITY

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **VISION**

To become an avenue of excellence and to impart high quality technical education in the field of ELECTRONICS AND COMMUNICATION ENGINEERING to develop industry competent ethical engineers.

### **MISSION**

M1 : To create a learning environment to the students for excellence in the field of Electronics and Communication Engineering.

M2 : To provide ethical and value based education through various activities societal needs.

M3 : To instill self and continuous learning attitude, professional ethics and to keep entrepreneurial skills.

M4 : To strengthen the industry-institute partnership and to keep abreast technology.

### **Subjects**

#### **III SEMESTER (N - SCHEME)**

4040310	ELECTRONIC DEVICES & CIRCUITS
4040320	ELECTRICAL CIRCUITS & INSTRUMENTATION
4040330	PROGRAMMING IN 'C'
4040340	ELECTRONIC DEVICES & CIRCUITS PRACTICAL
4040350	ELECTRICAL CIRCUITS & INSTRUMENTATION PRACTICAL
4040360	PROGRAMMING IN 'C' PRACTICAL
4040370	SIMULATION PRACTICAL

#### **IV SEMESTER (N SCHEME)**

- 4040410 INDUSTRIAL ELECTRONICS
- 4040420 COMMUNICATION ENGINEERING
- 4040430 ANALOG AND DIGITAL ELETRONICS
- 4020620 E - VEHICLE TECHNOLOGY & POLICY #
- 4040440 INDUSTRIAL ELECTRONICS PRACTICAL
- 4040450 COMMUNICATION ENGINEERING PRACTICAL
- 4040460 ANALOG AND DIGITAL ELETRONICS PRACTICAL

# Common with Mechanical Engineering

#### **V SEMESTER (N- SCHEME)**

- 4040510 ANALOG AND DIGITAL COMMUNICATION SYSTEMS
- 4040520 MICRO CONTROLLER AND ITS APPLICATIONS  
ELECTIVE THEORY-I
- 4040531 VERY LARGE SCALE INTEGRATION
- 4040540 ANALOG AND DIGITAL COMMUNICATION PRACTICAL
- 4040550 MICRO CONTROLLER PRACTICAL  
ELECTIVE PRACTICAL - I
- 4040561 VERY LARGE SCALE INTEGRATION PRACTICAL
- 4020570 ENTREPRENEURSHIP AND START UPS PRACTICAL #

# Common with Mechanical Engineering

#### **VI SEMESTER (N - SCHEME)**

- 4040610 COMPUTER HARDWARE SERVICING & NETWORKING
- 4040620 BIO MEDICAL INSTRUMENTATION  
ELECTIVE THEORY II
- 4040633 EMBEDDED SYSTEMS
- 4040640 COMPUTER HARDWARE SERVICING &  
NETWORKING PRACTICAL  
ELECTIVE PRACTICAL II
- 4040653 EMBEDDED SYSTEMS PRACTIAL
- 4040660 PROJECTWORK AND INTERNSHIP

## **DEPARTMENT OF COMPUTER ENGINEERING**

### **VISION**

To Deliver Responsible Technocrats Possessing Good Software and Hardware Skills, that the Industry and this Universe Require.

### **MISSION**

1. Educating the Young Technocrats with the State of the Art Infrastructure using latest Hardware and Software Platforms with Consistent and Continual Technology Upgradation.
2. Addressing the Industry- Institute Gap and Trying to Narrow Down the Gap through expert Seminars, Hands-On Training sessions and Workshops.
3. Incorporation of Soft Skills, Professional Ethics and to Prepare the Students “Employability - Ready”

### **Subjects**

#### **III SEMESTER (N - SCHEME)**

- 4052310 BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING
- 4052320 OPERATING SYSTEM
- 4052330 ‘C’ PROGRAMMING & DATA STRUCTURES
- 4052340 ELECTRICAL & ELECTRONICS ENGINEERING PRACTICAL
- 4052350 LINUX PRACTICAL
- 4052360 ‘C’ PROGRAMMING & DATA STRUCTURES PRACTICAL
- 4052370 E PUBLISHING PRACTICAL

#### **IV SEMESTER (N - SCHEME)**

- 4052410 COMPUTER ARCHITECTURE
- 4052420 WEB DESIGN & PROGRAMMING
- 4052430 OBJECT ORIENTED PROGRAMMING WITH JAVA
- 4052440 RDBMS
- 4052450 WEB DESIGN & PROGRAMMING PRACTICAL
- 4052460 JAVA PROGRAMMING PRACTICAL
- 4052470 RDBMS PRACTICAL

**V SEMESTER (N - SCHEME)**

- 4052510 PYTHON PROGRAMMING
- 4052520 CLOUD COMPUTING AND INTERNET OF THINGS  
ELECTIVE THEORY - 1
- 4052531 COMPONENT BASED TECHNOLOGY
- 4052540 PYTHON PROGRAMMING PRACTICAL
- 4052550 CLOUD COMPUTING & INTERNET OF THINGS PRACTICAL  
ELECTIVE PRACTICAL-1
- 4052561 COMPONENT BASED TECHNOLOGY PRACTICAL
- 4052570 ENTREPRENEURSHIP AND START UPS PRACTICAL

**VI SEMESTER (N - SCHEME)**

- 4052610 COMPUTER HARDWARE & SERVICING
- 4052620 COMPUTER NETWORK & SECURITY  
ELECTIVE THEORY - II
- 4052632 MULTIMEDIA SYSTEMS
- 4052640 COMPUTER HARDWARE & NETWORKS PRACTICAL  
ELECTIVE PRACTICAL - 11
- 4052652 MULTIMEDIA SYSTEMS PRACTICAL
- 4052660 PROJECT WORK & INTERNSHIP

## **DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING**

### **VISION**

To be dynamic contributor to the global community through the development of expertise and dissemination of advance knowledge in the field of Instrumentation and Control Engineering.

### **MISSION**

1. Prepare the students with strong fundamental concepts, analytical capability and problem solving skills.
2. Provide opportunities to promote organizational and leadership skills in students through extracurricular and co-curricular activities along with curriculam.
3. To improve department and industry collaboration through internship program interaction with professional society through Technical Seminars/ Workshops/ Industrial visits.

### **Subjects**

#### **III SEMESTER (N - SCHEME)**

4042310	BASICS OF ELECTICAL AND ELECTRONICS ENGINEERING
4042320	BASICS OF INSTRUMENTATION
4042330	'C' PROGRAMMING
4042340	ELECTRICAL ENGINEERING PRACTICAL
4042350	ELECTRONICS ENGINEERING PRACTICAL
4042360	BASICS OF INSTRUMENTATION PRACTICAL
4042370	'C' PROGRAMMING PRACTICAL

**IV SEMESTER (N - SCHEME)**

- 4042410 ANALOG & DIGITAL ELECTRONICS
- 4042420 MEASUREMENT OF PROCESS VARIABLES
- 4042430 MEASUREMENTS AND INSTRUMENTS
- 4020620 E - VEHICLE TECHNOLOGY
- 4042450 ANALOG AND DIGITAL ELECTRONICS PRACTICAL
- 4042460 MEASUREMENT OF PROCESS VARIABLES PRACTICAL
- 4042470 VIRTUAL INSTRUMENTATION PRACTICAL

**V SEMESTER (N- SCHEME)**

- 4042510 PROCESS CONTROL INSTRUMENTATION
- 4042520 CONTROL ENGINEERING  
ELECTIVE THEORY - I
- 4042531 MICRO CONTROLLER
- 4042540 PROCESS CONTROL INSTRUMENTATION PRACTICAL
- 4042550 CONTROL ENGINEERING SIMULATION PRACTICAL  
ELECTIVE PRACTICAL - I
- 4042561 MICRO CONTROLLER PRACTICAL
- 4020570 ENTREPRENEURSHIP AND START UPS PRACTICAL

**VI SEMESTER (N - SCHEME)**

- 4042610 INDUSTRIAL AUTOMATION AND DRIVES
- 4042620 BIO MEDICAL INSTRUMENTATION  
ELECTIVE THEORY - II
- 4042632 POWER PLANT INSTRUMENTATION
- 4042640 INDUSTRIAL AUTOMATION AND DRIVES PRACTICAL  
ELECTIVE PRACTICAL -II
- 4042652 P & ID USING CAD PRACTICAL
- 4042660 PROJECT WORK AND INTERNSHIP



## **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

### **VISION**

To provide powerful technical Education to equip the students with the innovations and developments in the field of Electrical and Electronics Engineering.

### **MISSION**

1. To make out in providing technical knowledge and skills through the best teaching practices.
2. To enrich the students more technically by collaborating with various industries.
3. To train the students to become highly professionals, academicians and entrepreneurs.

### **Subjects**

#### **III SEMESTER (N - SCHEME)**

4040310	ELECTRONIC DEVICES & CIRCUITS
4030320	ELECTRICAL CIRCUIT THEORY
4030330	ELECTRICAL MACHINES - I
4040340	ELECTRONIC DEVICES & CIRCUITS PRACTICAL
4030350	ELECTRICAL CIRCUITS & MACHINES PRACTICAL
4030360	ELECTRICAL WORKSHOP PRACTICAL
4030370	WIRING & WINDING PRACTICAL

#### **IV SEMESTER (N - SCHEME)**

4030410	ELECTRICAL MACHINES - II
4030420	MEASUREMENTS , INSTRUMENTS & TRANSDUCERS
4040430	ANALOG AND DIGITAL ELECTRONICS
4020620	E-VEHICLE TECHNOLOGY AND POLICY
4030450	ELECTRICAL MACHINES & INSTRUMENTATION PRACTICAL
4040460	ANALOG AND DIGITAL ELECTRONICS PRACTICAL
4030470	ELECTRICAL CIRCUITS AND SIMULATION PRACTICAL

### **V SEMESTER (N - SCHEME)**

- 4030510 GENERATION TRANSMISSION AND SWITCH GEAR
- 4040520 MICRO CONTROLLER AND ITS APPLICATIONS  
ELECTIVE THEORY - I
- 4030531 CONTROL OF ELECTRICAL MACHINES  
ELECTIVE PRACTICAL - I
- 4030541 CONTROL OF ELECTRICAL MACHINES PRACTICAL
- 4030550 COMPUTER AIDED ELECTRICAL DRAWING PRACTICAL
- 4040550 MICRO CONTROLLER AND ITS APPLICATIONS PRACTICAL
- 4020570 ENTREPRENEURSHIP AND START UPS PRACTICAL

### **VI SEMESTER (N - SCHEME)**

- 4030610 DISTRIBUTION AND UTILIZATION
- 4030620 ENERGY CONSERVATION AND AUDIT  
ELECTIVE THEORY - II
- 4030631 POWER ELECTRONICS
- 4030640 ELECTRICAL ESTIMATION AND COSTING PRACTICAL  
ELECTIVE II PRACTICAL – II
- 4030651 POWER ELECTRONICS PRACTICAL
- 4030660 PROJECT WORK AND INTERNSHIP

## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **VISION**

To be recognized as center of excellence in preparing students job ready in the field of mechanical engineering.

### **MISSION**

**M1:** To impart transformative technical education through innovative teaching and learning methodologies.

**M2:** To add value for high quality technical education by ensuring adequate infrastructure.

**M3:** To enhance academia-industry partnership through internships.

**M4:** To promote managerial traits and team spirit by engaging in social activities.

### **Subjects**

#### **III SEMESTER (N - SCHEME)**

- 4020310 STRENGTH OF MATERIALS
- 4020320 MANUFACTURING TECHNOLOGY – I
- 4020330 MEASUREMENT AND METROLOGY
- 4020340 THERMAL ENGINEERING - I
- 4020350 MACHINE DRAWING AND CAD PRACTICAL
- 4020360 MANUFACTURING TECHNOLOGY - I PRACTICAL
- 4020370 MESUREMENT AND METROLOGY PRACTICAL

#### **IV SEMESTER (N - SCHEME)**

- 4020410 FLUID MECHANICS AND FLUID POWER
- 4020420 MANUFACTURING TECHNOLOGY II
- 4020430 ELECTRICAL DRIVES AND CONTROLS
- 4020440 PRODUCTION AND QUALITY MANAGEMENT
- 4020450 STRENGTH OF MATERIALS AND FLUID MECHANICS PRACTICAL
- 4020460 MANUFACTURING TECHNOLOGY II PRACTICAL
- 4020470 ELECTRICAL DRIVES AND CONTROL PRACTICAL

**V SEMESTER (N- SCHEME)**

- 4020510 DESIGN OF MACHINE ELEMENTS
- 4020520 THERMAL ENGINEERING - II  
ELECTIVE - I THEORY
- 4020531 COMPUTER INTERGRATED MANUFACTURING
- 4020540 PROCESS AUTOMATION PRACTICAL
- 4020550 THERMAL ENGINEERING PRACTICAL  
ELECTIVE - I PRACTICAL
- 4020561 COMPUTER INTERATED MANUFACTURING PRACTICAL
- 4020570 ENTREPRENEURSHIP & STARTUPS PRACTICAL #

**VI SEMESTER (N - SCHEME)**

- 4020610 INDUSTRIAL ENGINEERING AND MANAGEMENT
- 4020620 E VEHICLE TECHNOLOGY & POLICY #  
ELECTIVE II THEORY
- 4020633 AUTOMOBILE TECHNOLOGY
- 4020640 SOLID MODELLING PRACTICAL  
ELECTIVE II PRACTICAL
- 4020653 AUTOMOBILE TECHNOLOGY PRACTICAL
- 4020660 PROJECT WORK AND INTERNSHIP

### 1. Anti - Ragging Committee Members List :

An Anti Ragging Committee is constituted to curb ragging in our institute. Students are instructed not to involve in any sort of ragging activities. Violation of this will lead to disciplinary action as per Government norms.

S.No.	Name & Designation	Phone No.	Position
1	<b>Dr. G. Senthilkumar</b> , M.E.,Ph.D., Principal, A.D.J. Dharmambal Polytechnic College, Nagapattinam.	9994352505	Head of the Committee
2	<b>The Tashildar</b> Taluk Office, Nagapattinam	04365-248753	Representation from Civil Administration
3	<b>The Inspector of Police</b> , Velippalayam Police Station.	04365-242888	Representation from Police
4	<b>Thiru.V.J. BASKARAN</b> , News reporter, Dhinamalar.	9842420163	Representation from Local Media
5	<b>Thiru. Rtn. KARTHIKESH</b> Advocate & Notary Charter President, Rotary Club of Holy Town, Nagapattinam.	9486878205	Representation from NGO involved in youth activities
6	<b>Tmt. R. SOWMYA KARTHIKESH</b> (Advocate)Member of Rotary Club, Nagapattinam.	9486878205	Women Representative
7	<b>Mrs. R. AKILA</b> Lecturer/ Physics, I Year - ADJDPC- Nagapattinam.	8903233066	Representation from Faculty Member
8	<b>Mrs. J. MEKALA</b> Lecturer/ ICE, - ADJDPC- Nagapattinam.	9842569544	Representation from Faculty Member
9	<b>Mr. M.S. YOUSUF</b> Kumbaku mada Street, Nagore (Member-PTA, ADJDPC, Nagai.)	9943353506	Representation from Parent
10	<b>Thiru. M. BALASUBRAMANIAN</b> Electrician-ADJDPC, Nagapattinam.	9842890824	Representation from Non Teaching Staff
11	<b>Mr.S. RITHISH</b>	9443138048	Representation from fresher
12	<b>Mr. R. SANTOSH</b>	9003314650	Representation From Senior students
	<b>Mr. VISHNUVASANTH</b>	6374236231	

## 2. Anti-ragging Squad Members List:

An anti- ragging committee is constituted to curb ragging in our institute.

S.No.	Name & Designation	Position
1	<b>Mr. M. RATHANKUMAR @ PRABU</b> , HOD/Computer Engineering	Head of the Squad
2	<b>Mrs. S. SHANTHI</b> , Lecturer/ECE	Member of the Squad
3	<b>Miss. R. PRASANTHI @ PUNITHAVATHI</b> , COE	Member of the Squad
4	<b>Ms. D. SIVAKAMI</b> , HOD (i/c) /ICE	Member of the Squad
5	<b>Mrs. R. AKILA</b> , HOD (i/c)/I Year	Member of the Squad
6	<b>Mr. M. JIJENDRA</b> , Physical Director	Member of the Squad
7	<b>Mr. D. MURUGAN</b> , Lab Assistant (Sr.Gr)	Member of the Squad

**The function of the anti-ragging squad is as follows.**

1. To make surprise raids in the Hostel.
2. To conduct an on-the-spot enquiry into any incidents of ragging referred to it by the Head of the Institution or any member of the faculty.
3. To submit the enquiry report along with the recommendation to Head of the Institution.

**கல்லூரி வளாகத்திற்குள் செல்போன் உபயோகிப்பது முற்றிலும்  
தடை செய்யப்பட்டுள்ளது.**

<b>Date</b>	<b>Day</b>	<b>June - 2023</b>
1	Thu	
2	Fri	
3	Sat	<b>Holiday</b>
4	Sun	<b>Holiday</b>
5	Mon	
6	Tue	
7	Wed	
8	Thu	
9	Fri	
10	Sat	<b>Holiday</b>
11	Sun	<b>Holiday</b>
12	Mon	<b>Re opening After Summer Vacation for II &amp; III year</b>
13	Tue	
14	Wed	
15	Thu	
16	Fri	

<b>Date</b>	<b>Day</b>	<b>June - 2023</b>
17	Sat	<b>Holiday</b>
18	Sun	<b>Holiday</b>
19	Mon	<b>EEE- Association Program - Hands on Training workshop in UPS</b>
20	Tue	<b>International Yoga Day Celebration</b>
21	Wed	
22	Thu	
23	Fri	
24	Sat	<b>Holiday</b>
25	Sun	<b>Holiday</b>
26	Mon	
27	Tue	
28	Wed	<b>Elevator lift training by Mech. Dept.</b>
29	Thu	<b>Bakrid - Holiday</b>
30	Fri	<b>Seminar on Techniques &amp; Technologies for Landing your dream Job</b>



<b>Date</b>	<b>Day</b>	<b>July - 2023</b>
1	Sat	<b>Holiday</b>
2	Sun	<b>Holiday</b>
3	Mon	<b>Commencement of 1 year classes</b>
4	Tue	
5	Wed	
6	Thu	
7	Fri	
8	Sat	<b>Holiday</b>
9	Sun	<b>Holiday</b>
10	Mon	<b>EEE - Hands on workshop on start - ups LED Lighting Assembly</b>
11	Tue	
12	Wed	
13	Thu	
14	Fri	
15	Sat	<b>Holiday</b>
16	Sun	<b>Holiday</b>

<b>Date</b>	<b>Day</b>	<b>July - 2023</b>
17	Mon	
18	Tue	
19	Wed	
20	Thu	<b>Awareness on "Blood Donation" for I Year</b>
21	Fri	<b>ICE - Technical Seminar</b>
22	Sat	<b>Holiday</b>
23	Sun	<b>Holiday</b>
24	Mon	
25	Tue	
26	Wed	
27	Thu	
28	Fri	<b>ECE - Technical seminar I ECE - PTA meeting</b>
29	Sat	<b>Holiday</b>
30	Sun	<b>Holiday</b>
31	Mon	<b>Mech. - PTA Meeting</b>

<b>Date</b>	<b>Day</b>	<b>August - 2023</b>
1	Tue	
2	Wed	
3	Thu	
4	Fri	<b>Awareness Programme on “Mental Health”</b>
5	Sat	<b>Holiday</b>
6	Sun	<b>Holiday</b>
7	Mon	
8	Tue	<b>EEE - Industrial Visit</b>
9	Wed	
10	Thu	
11	Fri	
12	Sat	<b>Holiday</b>
13	Sun	<b>Holiday</b>
14	Mon	
15	Tue	<b>Independence Day - Public Holiday</b>
16	Wed	

<b>Date</b>	<b>Day</b>	<b>August - 2023</b>
17	Thu	
18	Fri	
19	Sat	<b>Holiday</b>
20	Sun	
21	Mon	
22	Tue	
23	Wed	<b>Industrial Visit - ECE</b>
24	Thu	<b>Mech. - Technical Seminar - Hands on Training</b>
25	Fri	<b>CE - Technical Seminar</b>
26	Sat	<b>Holiday</b>
27	Sun	<b>Holiday</b>
28	Mon	
29	Tue	<b>Programme on “Responsibilities of Present Youth”</b>
30	Wed	<b>ICE - Technical Seminar</b>
31	Thu	

<b>Date</b>	<b>Day</b>	<b>September - 2023</b>
1	Fri	
2	Sat	<b>Holiday</b>
3	Sun	<b>Holiday</b>
4	Mon	
5	Tue	<b>Programme on “Importance of Communication on skills” - I Year</b>
6	Wed	<b>Krishna Jayanthi - Holiday</b>
7	Thu	
8	Fri	
9	Sat	<b>Holiday</b>
10	Sun	<b>Holiday</b>
11	Mon	
12	Tue	
13	Wed	<b>Last date for payment of exam fees without fine for Oct’ 2023 Exam</b>
14	Thu	
15	Fri	<b>ICE - PTA Meeting</b>
16	Sat	<b>Holiday</b>

<b>Date</b>	<b>Day</b>	<b>September - 2023</b>
17	Sun	<b>Holiday</b>
18	Mon	<b>Vinayagar Chadhurthi - Holiday</b>
19	Tue	<b>ECE - Technical Seminar</b>
20	Wed	<b>Last date for Payment of Exam fees with a fine</b>
21	Thu	<b>Program on “Values &amp; responsibilities of an Engineer“</b>
22	Fri	
23	Sat	<b>Holiday</b>
24	Sun	<b>Holiday</b>
25	Mon	
26	Tue	
27	Wed	<b>Last date for Payment of Exam fees with a penalty of Rs.750/- (TATKAL)</b>
28	Thu	<b>Miladi Nabi - Public Holiday</b>
29	Fri	
30	Sat	<b>Holiday</b>

<b>Date</b>	<b>Day</b>	<b>October - 2023</b>
1	Sun	<b>Holiday</b>
2	Mon	<b>Gandhi Jayanthi - Public Holiday</b>
3	Tue	
4	Wed	
5	Thu	
6	Fri	<b>Last working day for III<sup>rd</sup> &amp; V<sup>th</sup> Semester</b>
7	Sat	<b>Holiday</b>
8	Sun	<b>Holiday</b>
9	Mon	
10	Tue	
11	Wed	
12	Thu	
13	Fri	<b>Issue of Hall Ticket for III<sup>rd</sup> &amp; V<sup>th</sup> Semester</b>
14	Sat	<b>Holiday</b>
15	Sun	<b>Holiday</b>
16	Mon	<b>Commencement of practical exam Oct 23 for II<sup>nd</sup> Sem to Final Sem</b>

<b>Date</b>	<b>Day</b>	<b>October - 2023</b>
17	Tue	
18	Wed	
19	Thu	
20	Fri	
21	Sat	<b>Holiday</b>
22	Sun	<b>Holiday</b>
23	Mon	<b>Ayutha Pooja - Holiday</b>
24	Tue	<b>Vijayadasami - Holiday</b>
25	Wed	<b>Mech. - Technical Seminar</b>
26	Thu	
27	Fri	
28	Sat	<b>Last working day for 1<sup>st</sup> Year</b>
29	Sun	<b>Holiday</b>
30	Mon	<b>Commencement of Oct 2023 Exam for II sem to Final Sem</b>
31	Tue	



<b>Date</b>	<b>Day</b>	<b>November - 2023</b>
1	Wed	
2	Thu	<b>Commencement of Winter Vacation</b>
3	Fri	
4	Sat	<b>Issue of Hall ticket for 1<sup>st</sup> Sem Holiday</b>
5	Sun	<b>Holiday</b>
6	Mon	<b>Commencement of Oct 2023 Exam For 1<sup>st</sup> Sem</b>
7	Tue	
8	Wed	
9	Thu	
10	Fri	
11	Sat	<b>Holiday</b>
12	Sun	<b>Diwali - Holiday</b>
13	Mon	
14	Tue	
15	Wed	
16	Thu	

<b>Date</b>	<b>Day</b>	<b>November - 2023</b>
17	Fri	
18	Sat	<b>Holiday</b>
19	Sun	<b>Holiday</b>
20	Mon	
21	Tue	
22	Wed	<b>Mech. - Hands on Training</b>
23	Thu	
24	Fri	
25	Sat	<b>Holiday</b>
26	Sun	<b>Holiday</b>
27	Mon	<b>Commencement of Central Valuation</b>
28	Tue	
29	Wed	<b>Mech. - PTA Meeting</b>
30	Thu	

<b>Date</b>	<b>Day</b>	<b>December - 2023</b>
1	Fri	
2	Sat	<b>Holiday</b>
3	Sun	<b>Holiday</b>
4	Mon	
5	Tue	
6	Wed	
7	Thu	
8	Fri	
9	Sat	<b>Holiday</b>
10	Sun	<b>Holiday</b>
11	Mon	<b>Re-opening after winter Vacation for all</b>
12	Tue	<b>Life Skills Training Programme for All Final Year Students</b>
13	Wed	<b>Life Life Skills Training Programme for All Final Year Students</b>
14	Thu	<b>Life Life Skills Training Programme for All Final Year Students</b>
15	Fri	<b>Life Life Skills Training Programme for All Final Year Students</b>
16	Sat	

<b>Date</b>	<b>Day</b>	<b>December - 2023</b>
17	Sun	<b>Holiday</b>
18	Mon	
19	Tue	<b>Life Skills Training Programme for All Second Year Students</b>
20	Wed	<b>Life Skills Training Programme for All Second Year Students</b>
21	Thu	<b>Life Skills Training Programme for All Second Year Students</b>
22	Fri	<b>Life Skills Training Programme for All Second Year Students</b>
23	Sat	
24	Sun	<b>Holiday</b>
25	Mon	<b>Christmas - Holiday</b>
26	Tue	
27	Wed	
28	Thu	
29	Fri	<b>“Igniting Innovation” Programme for All Final Year Students</b>
30	Sat	<b>Holiday</b>
31	Sun	<b>Holiday</b>

<b>Date</b>	<b>Day</b>	<b>January - 2024</b>
1	Mon	<b>New Year - Public Holiday</b>
2	Tue	
3	Wed	
4	Thu	<b>Campus Drive for ECE, ICE &amp; EEE by SCHWING STETTER (India) Pvt. Ltd.,</b>
5	Fri	<b>Campus Drive for ECE, ICE &amp; EEE by Royal Enfield Academy for Technical Skills</b>
6	Sat	
7	Sun	<b>Holiday</b>
8	Mon	
9	Tue	
10	Wed	<b>Publication of Exam Result Oct 2023</b>
11	Thu	<b>Campus Drive for ECE, CE, ICE &amp; EEE by Lucas TVS Pvt. Ltd., (Only Female Candidates)</b>
12	Fri	
13	Sat	<b>Holiday</b>
14	Sun	<b>Holiday</b>
15	Mon	<b>Pongal - Holiday</b>
16	Tue	<b>Thiruvalluvar Day - Holiday</b>

<b>Date</b>	<b>Day</b>	<b>January - 2024</b>
17	Wed	<b>Uzhavar Thirunal - Holiday</b>
18	Thu	
19	Fri	
20	Sat	<b>Holiday</b>
21	Sun	<b>Holiday</b>
22	Mon	
23	Tue	<b>Campus Drive for ECE, ICE &amp; EEE by Tube Products of India</b>
24	Wed	
25	Thu	<b>Thaipooam - Holiday</b>
26	Fri	<b>Republic Day</b>
27	Sat	<b>Holiday</b>
28	Sun	<b>Holiday</b>
29	Mon	
30	Tue	<b>ICE - PTA Meeting</b>
31	Wed	<b>Programme on "Goal Setting" - I Year</b>

<b>Date</b>	<b>Day</b>	<b>February - 2024</b>
1	Thu	<b>Orientation Program on YRC</b>
2	Fri	
3	Sat	<b>Holiday</b>
4	Sun	<b>Holiday</b>
5	Mon	<b>Campus Drive for ECE, ICE &amp; EEE by Nissie Electric India Pvt. Ltd.,</b>
6	Tue	
7	Wed	
8	Thu	
9	Fri	<b>ICE - Technical Seminar</b>
10	Sat	
11	Sun	<b>Holiday</b>
12	Mon	
13	Tue	
14	Wed	
15	Thu	
16	Fri	<b>CE - Technical Seminar</b>

<b>Date</b>	<b>Day</b>	<b>February - 2024</b>
17	Sat	<b>Holiday</b>
18	Sun	<b>Holiday</b>
19	Mon	
20	Tue	
21	Wed	<b>Program on “Enhancement of Soft Skills” - I Year</b>
22	Thu	<b>EEE - Technical Seminar</b>
23	Fri	
24	Sat	
25	Sun	<b>Holiday</b>
26	Mon	
27	Tue	<b>Payment of Exam Fee without Fine (for all year)</b>
28	Wed	
29	Thu	



<b>Date</b>	<b>Day</b>	<b>March - 2024</b>
1	Fri	
2	Sat	
3	Sun	<b>Holiday</b>
4	Mon	
5	Tue	
6	Wed	<b>Payment of Exam Fee with Fine Rs. 150 ECE - Technical Seminar</b>
7	Thu	
8	Fri	<b>EEE - Industrial Visit - Substation</b>
9	Sat	
10	Sun	<b>Holiday</b>
11	Mon	
12	Tue	
13	Wed	<b>Payment of Exam Fee with Tatkal Fine Rs. 750</b>
14	Thu	
15	Fri	<b>ICE - PTA Meeting CE - Technical Seminar</b>
16	Sat	

<b>Date</b>	<b>Day</b>	<b>March - 2024</b>
17	Sun	<b>Holiday</b>
18	Mon	
19	Tue	
20	Wed	
21	Thu	
22	Fri	<b>Issue of Hall tickets – III Year</b>
23	Sat	
24	Sun	<b>Holiday</b>
25	Mon	
26	Tue	
27	Wed	
28	Thu	<b>Commencement of Examination (Tentative) – III YEAR</b>
29	Fri	<b>Good Friday - Public Holiday</b>
30	Sat	<b>Holiday</b>
31	Sun	<b>Holiday</b>

<b>Date</b>	<b>Day</b>	<b>April - 2024</b>
1	Mon	
2	Tue	<b>Issue of Hall tickets – II Year</b>
3	Wed	<b>Last Working day for the Even Semester for all</b>
4	Thu	<b>Issue of Hall tickets – I Year</b>
5	Fri	
6	Sat	<b>Commencement of Examination (Tentative) – II YEAR &amp; I YEAR</b>
7	Sun	<b>Holiday</b>
8	Mon	
9	Tue	
10	Wed	
11	Thu	<b>Ramzan - Public Holiday</b>
12	Fri	
13	Sat	<b>Holiday</b>
14	Sun	<b>Holiday</b>
15	Mon	
16	Tue	

<b>Date</b>	<b>Day</b>	<b>April - 2024</b>
17	Wed	
18	Thu	
19	Fri	
20	Sat	<b>Holiday</b>
21	Sun	<b>Holiday</b>
22	Mon	
23	Tue	
24	Wed	
25	Thu	<b>Commencement of April 2024 Practical Exam</b>
26	Fri	
27	Sat	<b>Holiday</b>
28	Sun	<b>Holiday</b>
29	Mon	
30	Tue	

<b>Date</b>	<b>Day</b>	<b>May - 2024</b>
1	Wed	<b>Holiday</b>
2	Thu	
3	Fri	
4	Sat	<b>Holiday</b>
5	Sun	<b>Holiday</b>
6	Mon	
7	Tue	
8	Wed	
9	Thu	
10	Fri	<b>Commencement of Summer Vacation</b>
11	Sat	<b>Holiday</b>
12	Sun	<b>Holiday</b>
13	Mon	<b>Commencement of Central Valuation for all Semester</b>
14	Tue	
15	Wed	
16	Thu	

<b>Date</b>	<b>Day</b>	<b>May - 2024</b>
17	Fri	
18	Sat	<b>Holiday</b>
19	Sun	<b>Holiday</b>
20	Mon	
21	Tue	
22	Wed	
23	Thu	
24	Fri	
25	Sat	<b>Holiday</b>
26	Sun	<b>Holiday</b>
27	Mon	
28	Tue	
29	Wed	
30	Thu	
31	Fri	

<b>Date</b>	<b>Day</b>	<b>June - 2024</b>
1	Sat	<b>Holiday</b>
2	Sun	<b>Holiday</b>
3	Mon	
4	Tue	
5	Wed	
6	Thu	
7	Fri	
8	Sat	<b>Holiday</b>
9	Sun	<b>Holiday</b>
10	Mon	<b>Reopening of Colleges (for Odd Semester III, V ) (Tentative)</b>
11	Tue	
12	Wed	
13	Thu	
14	Fri	
15	Sat	<b>Holiday</b>
16	Sun	<b>Holiday</b>

<b>Date</b>	<b>Day</b>	<b>June - 2024</b>
17	Mon	
18	Tue	
19	Wed	
20	Thu	
21	Fri	
22	Sat	<b>Holiday</b>
23	Sun	<b>Holiday</b>
24	Mon	
25	Tue	
26	Wed	
27	Thu	
28	Fri	
29	Sat	<b>Holiday</b>
30	Sun	<b>Holiday</b>





**A.D.J. DHARMAMBAL POLYTECHNIC COLLEGE**  
(A GOVERNMENT AIDED INSTITUTION)  
NAGAPATTINAM - 611 001

**Thanks to our Recruiters**  
*for*  
**Campus Placements**

 <b>SPIC</b> Nourishing growth Southern Petrochemical Industries Corporation, Thoothukudi	 <b>NISSEI</b> Nissei Electric India Pvt. Ltd., Ponneri, Chennai	 <b>Subros</b> Cooling the Planet Subros Limited, Oragadam, Chennai	 <b>HL Klemove</b> HL Klemove India Pvt Ltd., Sriperumbudur, Chennai
 <b>Lucas TVS</b> Lucas-TVS Ltd., Puducherry	 <b>NOKIA</b> Nokia Solutions and Networks India Pvt. Ltd., Oragadam, Chennai	 <b>EATON</b> Powering Business Worldwide Eaton Power Quality Pvt Ltd., Puducherry	 <b>YAMAHA</b> Make Waves Yamaha Music India Pvt Ltd., Chengalpattu
 <b>Stanadyne</b> Stanadyne India Pvt Ltd., Thiruvallur			

**Management, Principal and Staff**

**PLACEMENT ORDERS DISTRIBUTION FUNCTION**







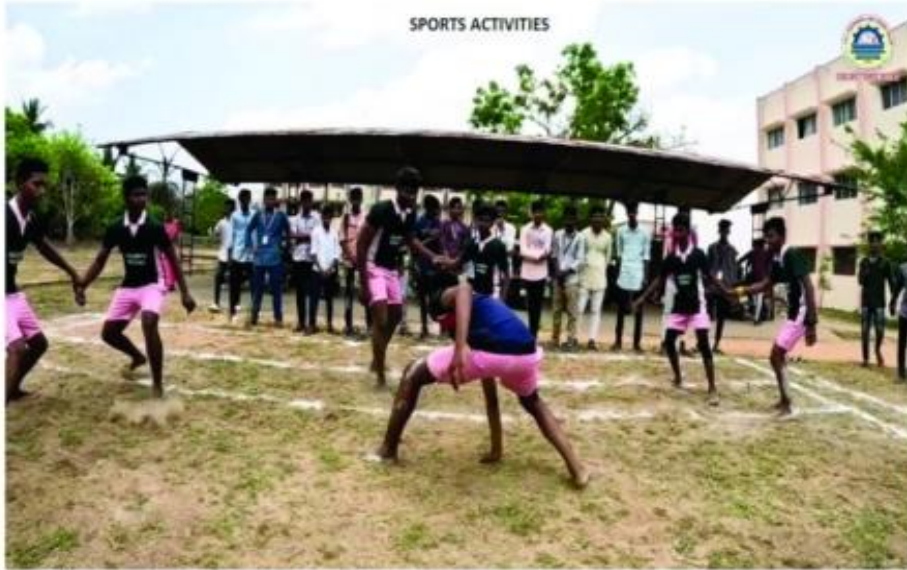
Campus Drive on 17.02.2023 - Eaton Power Quality Private Limited ,  
Puducherry



INAUGURATION OF "CENTRE OF EXCELLENCE - E VEHICLE TEHNOLOGY LAB" AND MoU  
SIGNED WITH TVS TRAINING & SERVICES LTD, CHENNAI



SPORTS ACTIVITIES



YOGA CLASS



