NATIONAL BOARD OF ACCREDITATION

Data Capturing Points of the Program Applied for NBA Accreditation– Tier I/II UG (Engineering) Institute Programs

Program Name : Electrical and Electronics Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 9625	**Date of Submission**: 29-01-2025

PART A- Profile of the Institute

A1.Name of the Institute: THIAGARAJAR COLLEGE OF ENGINEERING	
Year of Establishment : 1957/2008	Location of the Institute: Madurai
A2. Institute Address:THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-625015	
City:MADURAI	State:Tamil Nadu
Pin Code:625015	Website:www.tce.edu
Email:PRINCIPAL@TCE.EDU	Phone No(with STD Code):0452-2482240
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Anna University, Chennai 600 025 Tamil Nadu	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Government Aided Institute	
A5. Ownership Status: Government Aided	

A6. Details of all Programs being Offered by the Institution:

- No. of UG programs: **11**
- No. of PG programs: **10**

Table No. A6.1: List of all programs offered by the Institute.

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Architecture	UG	Architecture	1995	--	Architecture
2	Architecture	UG	Interior Design	2024	--	Architecture
3	Computer Application	PG	Master of Computer Application	1985	--	Computer Application
4	Engineering & Technology	UG	Civil Engineering	1957	--	Civil Engineering
5	Engineering & Technology	PG	Communication Systems	1995	--	Electronics and Communication Engineering
6	Engineering & Technology	UG	Computer Science and Business System	2020	--	Computer Science and Business System

7	Engineering & Technology	UG	Computer Science and Engineering	1984	--	Computer Science and Engineering
8	Engineering & Technology	PG	Computer Science and Engineering	2001	--	Computer Science and Engineering
9	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2024	--	Computer Science and Engineering
10	Engineering & Technology	PG	Construction Engineering & Management	2022	--	Civil Engineering
11	Engineering & Technology	UG	Electrical & Electronics Engineering	1957	--	Electrical and Electronics Engineering
12	Engineering & Technology	UG	Electronics & Communication Engineering	1978	--	Electronics and Communication Engineering
13	Engineering & Technology	PG	Engineering Design	2022	2023	Mechanical Engineering
14	Engineering & Technology	PG	Environmental Engineering	2007	2023	Civil Engineering
15	Engineering & Technology	PG	Industrial Engineering	1986	2022	Mechanical Engineering
16	Engineering & Technology	UG	Information Technology	1999	--	Information Technology
17	Engineering & Technology	PG	Infrastructure Engineering & Management	2011	2022	Civil Engineering
18	Engineering & Technology	UG	Mechanical Engineering	1957	--	Mechanical Engineering
19	Engineering & Technology	UG	Mechatronics Engineering	2014	--	Mechatronics Engineering
20	Engineering & Technology	PG	Power Systems	1972	2024	Electrical and Electronics Engineering
21	Engineering & Technology	PG	Structural Engineering	1972	--	Civil Engineering

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Civil Engineering	No	Civil Engineering	UG
Mechanical Engineering	Yes	Mechanical Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

B1. Provide the Required Information for the Program Applied For:

Table No. B1: Program details.
A. List of the Programs Offered by the Department:
List of the Allied Departments/Cluster and Programs:

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	Dr. S. Baskar
B. Nature of appointment:	Regular
C. Qualification:	ME/M. Tech and PhD

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.
CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.
Average [(ER1 + ER2 + ER3) / 3] = ≡

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.
Average SR of three batches ((SR_1+ SR_2+ SR_3)/3):

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.
Average API[(AP1+AP2+AP3)/3] :

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.
Average API [(AP1 + AP2 + AP3)/3] :

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program
Average API [(AP1 + AP2 + AP3)/3] :

B9. Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.
Average Placement Index = (P_1 + P_2 + P_3)/3:   Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. S. Baskar	XXXXXXX06H	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Control and Instrumentation	01/12/1994	30.2	Assistant Professor	Professor	22/11/2005	Regular	Yes		Yes
2	Dr. M. Saravanan	XXXXXXX35B	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Applied Electronics	02/01/1995	30.1	Assistant Professor	Professor	01/01/2008	Regular	Yes		No
3	Dr. P. Venkatesh	XXXXXXX39R	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Power System Engineering	01/12/1994	30.2	Assistant Professor	Professor	26/12/2011	Regular	Yes		No
4	Dr. K. Selvi	XXXXXXX18E	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Power System	02/07/1990	34.7	Assistant Professor	Professor	01/01/2009	Regular	Yes		No
5	Mr. S. Sivakumar	XXXXXXX30R	M.E/M.Tech	Madurai Kamaraj University	Power System	13/06/1990	34.7	Assistant Professor	Associate Professor	02/01/2006	Regular	Yes		No
6	Dr. V. Sureshkumar	XXXXXXX33N	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Power Electronics And Drives	02/06/1997	27.8	Assistant Professor	Professor	13/01/2014	Regular	Yes		No
7	Dr. V. Saravanan	XXXXXXX04M	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Power System	10/06/1997	27.7	Assistant Professor	Professor	14/03/2015	Regular	Yes		No
8	Dr. S. Latha	XXXXXXX37C	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Power System	01/10/1997	27.4	Assistant Professor	Professor	01/10/2013	Regular	Yes		No
9	Dr. C. K. Babulal	XXXXXXX31P	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Power System	27/01/2000	25	Assistant Professor	Professor	27/01/2015	Regular	Yes		No
10	Dr. M. Geethanjali	XXXXXXX22B	XXXXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Power System	06/12/1999	25.1	Assistant Professor	Professor	25/12/2014	Regular	Yes		No

11	Dr. N. Shanmugavadivoo	XXXXXXX95A	XXXXXXXXXXXXXXPhD	Madurai Kamaraj University	Power System	10/12/1999	25.1	Assistant Professor	Professor	12/10/2015	Regular	Yes		No
12	Dr. L. Jessi Sahaya Shanthi	XXXXXXX78Q	XXXXXXXXXXXXXXPhD	Anna University	Power Electronics And Drives	20/10/2004	20.3	Assistant Professor	Associate Professor	20/10/2016	Regular	Yes		No
13	Dr. R. Rajan Prakash	XXXXXXX57E	XXXXXXXXXXXXXXPhD	Anna University	High Voltage Engineering	01/12/2005	19.2	Assistant Professor	Associate Professor	13/12/2017	Regular	Yes		No
14	Dr. S. Arokia Edwin Xavier	XXXXXXX58P	XXXXXXXXXXXXXXPhD	Anna University	Power Electronics And Drives	18/07/2005	19.6	Assistant Professor	Associate Professor	01/03/2022	Regular	Yes		No
15	Dr. P. S.Manoharan	XXXXXXX13A	XXXXXXXXXXXXXXPhD	Anna University	Power System	21/06/2006	18.7	Assistant Professor	Professor	01/03/2022	Regular	Yes		No
16	Dr. R. Helen	XXXXXXX28R	XXXXXXXXXXXXXXPhD	Anna University	Biomedical Instrumentation	24/07/2006	16.9	Assistant Professor	Assistant Professor		Regular	No	01/05/2023	No
17	Dr. D. Kavitha	XXXXXXX21B	XXXXXXXXXXXXXXPhD	Anna University	Power System	05/07/2007	17.6	Assistant Professor	Associate Professor	01/09/2023	Regular	Yes		No
18	Dr. S. Charles Rajan	XXXXXXX73L	XXXXXXXXXXXXXXPhD	Anna University	Power System	07/09/2007	17.4	Assistant Professor	Associate Professor	01/03/2022	Regular	Yes		No
19	Dr. D. Nelson Jayakumar	XXXXXXX25R	XXXXXXXXXXXXXXPhD	Anna University	Energy Systems Engineering	11/09/2007	17.4	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Dr. B. Ashok Kumar	XXXXXXX11L	XXXXXXXXXXXXXXPhD	Anna University	Instrumentation Systems	25/08/2008	16.5	Assistant Professor	Associate Professor	01/09/2023	Regular	Yes		No
21	Dr. G. Sivasankar	XXXXXXX89Q	XXXXXXXXXXXXXXPhD	Anna University	Power Electronics And Drives	02/09/2008	16.4	Assistant Professor	Associate Professor	01/09/2023	Regular	Yes		No
22	Dr. M. Meenakshi Devi	XXXXXXX38C	XXXXXXXXXXXXXXPhD	Anna University	Power System Engineering	01/08/2022	2.5	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Dr. C. Balasundar	XXXXXXX13A	XXXXXXXXXXXXXXPhD	Sastra University	Power Electronics And Drives	10/08/2022	2.5	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mrs. P.M. Devie	XXXXXXX21K	XXXXXXXXXXXXXXPhD	Anna University	Power System	10/07/2023	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Dr. L. Ashok Kumar	XXXXXXX29J	XXXXXXXXXXXXXXPhD	Anna University	Electrical Machines	05/09/2024	0.4	Professor	Professor	05/09/2024	Regular	Yes		No

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
PGm=mth PG program
A= No. of Students in PG 1st year
B= No. of Students in PG 2nd year
Student Faculty Ratio **(SFR)** = S/F
S= No. of students of all programs in the Department including all students of allied departments/clusters.
No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department1
Table No.C2.1: Student-faculty ratio.

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	132	132	132
UG1.C	132	132	132
UG1.D	132	132	132
UG1: Electrical & Electronics Engineering	**396**	**396**	**396**
PG1.A	0	18	25
PG1.B	18	25	25
PG1: Power Systems	**18**	**43**	**50**
DS=Total no. of students in all UG and PG programs in the Department	414	439	446
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 414	**S2=** 439	**S3=** 446
DF=Total no. of faculty members in the Department	23	23	23
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 23	**F2=** 23	**F3=** 23
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 18.00**	**SFR2= 19.09**	**SFR3= 19.39**
Average SFR for 3 years	**SFR= 18.83**		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

(CAYm2)

(CAYm3)

C6. Academic Research

Table No. C6.1: Faculty publication details.

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: NIL
Note*:
- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

(CAYm1)

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years:
Note*:
- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years :

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

D2. Safety Measures in Laboratories

Table No. D2.1: List of various safety measures in laboratories.

D3. Project Laboratory/Research Laboratory

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.