

## NATIONAL BOARD OF ACCREDITATION

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

<b>Program Name</b> : Civil Engineering	<b>Discipline</b> : Engineering & Technology
<b>Level</b> : Under Graduate	<b>Tier</b> : 1
<b>Application No</b> : 9625	<b>Date of Submission</b> : 29-01-2025

### PART A- Profile of the Institute

<b>A1.Name of the Institute</b> : THIAGARAJAR COLLEGE OF ENGINEERING	
Year of Establishment : 1957/2008	Location of the Institute: Madurai
<b>A2. Institute Address</b> :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
<b>A3. Name and Address of the Affiliating University (if any)</b> :	
Name of the University : Anna University, Chennai 600 025 Tamil Nadu	City: Chennai
State : Tamil Nadu	Pin Code: 600025
<b>A4. Type of the Institution</b> : Government Aided Institute	
<b>A5. Ownership Status</b> : 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
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## 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:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Civil Engineering	UG	1957 / --	60	Yes	NA	120	1957	F.6-41/57-T4 dated 21st November 1957	Granted accreditation for 3 years for the period (specify period)	2022	2025	6	4

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. ArulMary
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  $[(ER1 + ER2 + ER3) / 3] = \equiv$

## 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. T. VelRajan	XXXXXXX80E	XXXXXXXXXXXXXXXXXPhD	BHARATHIYAR UNIVERSITY	Environmental Engineering	02/12/1994	30.1	Assistant Professor	Professor	11/10/2007	Regular	No	31/12/2024	No
2	Dr. K. Sudalaimani	XXXXXXX37H	XXXXXXXXXXXXXXXXXPhD	MADURAI KAMARAJ UNIVERSITY	Strucutural Engineeing	01/09/1984	40.5	Assistant Professor	Professor	12/12/2009	Regular	Yes		No
3	Dr. R. Velkennedy	XXXXXXX82G	XXXXXXXXXXXXXXXXXPhD	MADURAI KAMARAJ UNIVERSITY	Traffic and Transportation Planning	27/09/1993	31.4	Assistant Professor	Professor	23/01/2010	Regular	Yes		No
4	Dr. S. Nagan	XXXXXXX58F	XXXXXXXXXXXXXXXXXPhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	02/06/1997	27.8	Assistant Professor	Professor	08/11/2012	Regular	Yes		No
5	Dr. S. ArulMary	XXXXXXX12A	XXXXXXXXXXXXXXXXXPhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	15/12/1997	27.1	Assistant Professor	Professor	16/12/2013	Regular	Yes		Yes
6	Dr. G. Chitra	XXXXXXX97P	XXXXXXXXXXXXXXXXXPhD	MADURAI KAMARAJ UNIVERSITY	Construction Engineering and Management	09/01/1998	27	Assistant Professor	Professor	09/01/2014	Regular	Yes		No
7	Dr. S. Chandran	XXXXXXX45Q	XXXXXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Irrigation Water Management	18/11/2004	20.2	Assistant Professor	Professor	07/03/2015	Regular	Yes		No
8	Dr. T. Baskaran	XXXXXXX42B	XXXXXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Hydrology and Water Resource Engineering	19/08/1998	26.5	Assistant Professor	Professor	24/04/2015	Regular	Yes		No
9	Dr. M.C. Sundarraja	XXXXXXX59E	XXXXXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Structural Engineering	06/12/1999	25.1	Assistant Professor	Professor	05/01/2015	Regular	Yes		No
10	Dr. D. Brindha	XXXXXXX78J	XXXXXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Structural Engineering	13/03/2002	22.10	Assistant Professor	Professor	13/03/2015	Regular	Yes		No
11	Dr. R. Ponnudurai	XXXXXXX66A	XXXXXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Fracture Mechanics	17/03/2003	21.10	Assistant Professor	Associate Professor	17/03/2016	Regular	Yes		No

12	Dr. R. Sanjaykumar	XXXXXXX87N	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Geotechnical Engineering	28/01/2002	23	Assistant Professor	Associate Professor	01/03/2022	Regular	Yes		No
13	Dr. V. Ravisankar	XXXXXXX85E	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Environmental Engineering	05/01/2010	15	Assistant Professor	Associate Professor	01/03/2022	Regular	Yes		No
14	Mr. S. Kannan	XXXXXXX59P	M.E/M.Tech	ANNA UNIVERSITY	Structural Engineering	14/06/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr. M. Ramasamy	XXXXXXX02K	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Hydrology and Water Resource Engineering	13/07/1998	26.6	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Dr. D. Rajkumar	XXXXXXX90C	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Structural Engineering	14/06/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Dr. R. K. C. Jeykumar	XXXXXXX06C	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Environmental Engineering	20/06/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Dr. R. Indrajith Krishnan	XXXXXXX97A	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Structural Engineering	29/07/2013	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Dr. R. Sankaranarayanan	XXXXXXX45K	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Structural Engineering	12/12/2013	11.1	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr. B. Dinesh Kumar	XXXXXXX61B	M.E/M.Tech	ANNA UNIVERSITY	Infrastructure Engineering and Management	28/12/2020	4	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Ms. M. Aruna	XXXXXXX97H	M.E/M.Tech	ANNA UNIVERSITY	Infrastructure Engineering and Management	08/01/2021	4	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Dr. K. Athiappan	XXXXXXX03L	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Urban Engineering	18/08/2021	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mrs. J. Eunice	XXXXXXX68E	M.E/M.Tech	ANNA UNIVERSITY	Environmental Engineering	01/08/2022	2.5	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mrs. R. Abinaya Rajakumari	XXXXXXX79C	M.E/M.Tech	ANNA UNIVERSITY	Geomatics	15/07/2024	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Dr. G. Angelin Lincy	XXXXXXX42N	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Structural Engineering	18/07/2024	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mrs. K. Keerthy	XXXXXXX44B	M.E/M.Tech	ANNA UNIVERSITY	Environmental Engineering	05/07/2017	7.3	Assistant Professor	Assistant Professor		Regular	No	03/10/2024	No
27	Mrs. G. Celine Reena	XXXXXXX62G	M.E/M.Tech	ANNA UNIVERSITY	Structural Engineering	28/04/2014	9	Assistant Professor	Assistant Professor		Regular	No	01/05/2023	No
28	Dr. A. Rajasekar	XXXXXXX19P	XXXXXXXXXXXXXXPhD	ANNA UNIVERSITY	Structural Engineering	24/03/2014	9.6	Assistant Professor	Assistant Professor		Regular	No	29/09/2023	No

29	Mr. P. Selvaprassanth	XXXXXXXX30R	M.E/M.Tech	ANNA UNIVERSITY	Construction Engineering and Management	28/12/2020	2.10	Assistant Professor	Assistant Professor		Regular	No	02/11/2023	No
30	Ms. K. Muthu Prema	XXXXXXXX81K	M.E/M.Tech	ANNA UNIVERSITY	Geotechnical Engineering	16/08/2021	2.8	Assistant Professor	Assistant Professor		Regular	No	13/05/2024	No
31	Mr. G. Ramasamy	XXXXXXXX47P	M.E/M.Tech	ANNA UNIVERSITY	Construction Engineering and Management	10/08/2022	1.6	Assistant Professor	Assistant Professor		Regular	No	26/02/2024	No
32	Dr. SMP Siddarth	XXXXXXXX86N	XXXXXXXXXXXXXXXXPhD	INDIAN INSTITUTE OF TECHNOLOGY BOMBAY	Transportation Engineering	06/01/2021	1.1	Assistant Professor	Assistant Professor		Regular	No	28/02/2022	No
33	Ms. T..KarthigaiPriya	XXXXXXXX48A	M.E/M.Tech	ANNA UNIVERSITY	Infrastructure Engineering and Management	06/06/2016	6	Assistant Professor	Assistant Professor		Regular	No	28/06/2022	No
34	Ms.S. Sivasangari	XXXXXXXX45G	M.E/M.Tech	ANNA UNIVERSITY	Environmental Engineering	09/01/2017	4.9	Assistant Professor	Assistant Professor		Regular	No	01/11/2021	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 Department4

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
<b>UG1: Civil Engineering</b>	<b>396</b>	<b>396</b>	<b>396</b>
PG1.A	18	18	18
PG1.B	18	18	0
<b>PG1: Construction Engineering &amp; Management</b>	<b>36</b>	<b>36</b>	<b>18</b>
PG2.A	18	18	25
PG2.B	18	25	25
<b>PG2: Structural Engineering</b>	<b>36</b>	<b>43</b>	<b>50</b>
DS=Total no. of students in all UG and PG programs in the Department	468	475	464
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)	<b>S1= 468</b>	<b>S2= 475</b>	<b>S3= 464</b>
DF=Total no. of faculty members in the Department	24	25	29
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)	<b>F1= 24</b>	<b>F2= 25</b>	<b>F3= 29</b>
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)	<b>SFR1= 19.50</b>	<b>SFR2= 19.00</b>	<b>SFR3= 16.00</b>
Average SFR for 3 years	<b>SFR= 18.17</b>		

### 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 =  $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:}.$
- RF2= No. of Associate Professors required =  $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}.$
- RF3= No. of Assistant Professors required =  $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:}.$
- 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.



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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.