

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Mechanical Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 11993	Date of Submission : 01-07-2026

PART A- Profile of the Institute

A1.Name of the Institute : YASHODA TECHNICAL CAMPUS, SATARA	
Year of Establishment : 2011	Location of the Institute: S NO 242 NH4 WADHE PHATA SATARA
A2. Institute Address :S. NO. 242, NH-4 WADHE PHATE SATARA	
City:Satara	State:Maharashtra
Pin Code:415015	Website:www.yes.edu.in
Email:registrar_ytc@yes.edu.in	Phone No(with STD Code):02162-271238
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Dr. Babasaheb Ambedkar Technological University	City: Raigad
State : Maharashtra	Pin Code: 402104
A4. Type of the Institution : Self-Supported Institute	
A5. Ownership Status : Self financing	

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

- No. of UG programs: **9**
- No. of PG programs: **4**

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	Computer Application	PG	Master in Computer Applications	2011	--	Computer Application
2	Engineering & Technology	Diploma	Artificial intelligence (AI) and Machine Learning	2023	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Artificial Intelligence and Data Science	2022	--	Artificial Intelligence and Data Science
4	Engineering & Technology	UG	Civil Engineering	2011	--	Civil Engineering
5	Engineering & Technology	Diploma	Civil Engineering	2013	--	Civil Engineering
6	Engineering & Technology	Diploma	Computer Engineering	2022	--	Computer Engineering
7	Engineering & Technology	PG	Computer Science and Engineering	2024	--	Computer Science and Engineering
8	Engineering & Technology	UG	Computer Science and Engineering	2011	--	Computer Science and Engineering
9	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering
10	Engineering & Technology	UG	Electrical Engineering	2011	--	Electrical Engineering
11	Engineering & Technology	Diploma	Electrical Engineering	2014	--	Electrical Engineering

12	Engineering & Technology	Diploma	Electronics and Telecommunication Engineering	2025	--	Electronics and Telecommunication Engineering
13	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2011	--	Electronics and Telecommunication Engineering
14	Engineering & Technology	Diploma	Information Technology	2023	2025	Information Technology
15	Engineering & Technology	Diploma	Mechanical Engineering	2013	--	Mechanical Engineering
16	Engineering & Technology	UG	Mechanical Engineering	2011	--	Mechanical Engineering
17	Engineering & Technology	PG	Mechanical Engineering	2017	--	Mechanical Engineering
18	Engineering & Technology	UG	Mechatronics Engineering	2024	--	Mechatronics Engineering
19	Engineering & Technology	UG	Robotics and Artificial Intelligence	2024	--	Robotics and Artificial Intelligence
20	Management	PG	Master of Business Administration	2011	--	Management

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
Electronics and Telecommunication Engineering	No	Electronics and Telecommunication Engineering	UG
Mechanical Engineering	No	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:

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 APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Mechanical Engineering	UG	2011 / --	60	Yes	2022	30	2022	F.No. Western/1-10969348264/2022/EOA	Not accredited (specify visit dates, year)	07/03/2025	09/03/2025	0	4

Sanctioned Intake for Last Five Years for the Mechanical Engineering

Academic Year	Sanctioned Intake
2025-26	30
2024-25	30
2023-24	30
2022-23	30
2021-22	60
2020-21	60

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. Shinde Tarang Ramrao
B. Nature of appointment:	Regular
C. Qualification:	M.Tech and Ph.D.

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	30	30	30	30	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	27	18	5	7	1	3	2
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	15	6	2	17	66	55
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	2	1	3	3	0	1	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	29	34	14	12	18	70	57

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.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	30	27	2	96.67
2024-25 (CAYm1)	30	18	1	63.33
2023-24 (CAYm2)	30	5	3	26.67

Average [(ER1 + ER2 + ER3) / 3] = 62.22≡ 11.00

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.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	66.00	70.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	9.00	35.00	45.00
Success Rate (SR)=(B/A) * 100	13.64	50.00	68.18

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 43.94

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.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	7.38	6.40	0.00
Y=Total no. of successful students	8.00	7.00	8.00
Z=Total no. of students appeared in the examination	18.00	8.00	8.00
API [X*(Y/Z)]	7.38	6.40	0.00

Average API[(AP1+AP2+AP3)/3] : 4.59

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.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	5.01	5.97	6.15
Y=Total no. of successful students	11.00	9.00	9.00
Z=Total no. of students appeared in the examination	14.00	12.00	18.00
API [X * (Y/Z)]	3.94	4.48	3.08

Average API [(AP1 + AP2 + AP3)/3] : 3.83

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	5.80	6.47	6.26
Y=Total no. of successful students	7.00	9.00	49.00
Z=Total no. of students appeared in the examination	9.00	9.00	50.00
API [X*(Y/Z)]:	4.51	6.47	6.76

Average API [(AP1 + AP2 + AP3)/3] : 5.91

B9. Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	66.00	70.00	66.00
X=No. of students placed	14.00	33.00	47.00
Y=No. of students admitted to higher studies	0.00	0.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	21.21	47.14	72.73

Average Placement Index = (P_1 + P_2 + P_3)/3: 47.03 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. Shinde Tarang Ramrao	XXXXXXXX72P	M.Tech and Ph.D.	Savitribai Phule Pune University	Metallurgy & Material Science	15/06/2022	4	Associate Professor	Associate Professor	15/06/2022	Regular	Yes		Yes
2	Dr. Sadanand Sarapure	XXXXXXXX59F	M.Tech and Ph.D.	Vishveshwarya Technological University	Mechanical Engineering	20/06/2025	1	Associate Professor	Associate Professor	20/06/2025	Regular	Yes		No
3	Mr. Maner Vasim Bashir	XXXXXXXX91D	M.Tech	Shivaji University	Mechanical-CAD/CAM/CAE	20/06/2014	12	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. Rathod Mahesh Laxman	XXXXXXXX09B	M.Tech	Vishveshwarya Technological University	Production Technology	20/06/2014	12	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mr. Nimbalkar Prashant Pandharinath	XXXXXXXX80G	M.E.	Savitribai Phule Pune University	Design Engineering	23/12/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. Atpadkar Abhijit Balaso	XXXXXXXX59B	M.E.	Savitribai Phule Pune University	Design Engineering	18/07/2017	8.11	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. Raut Satish Keru	XXXXXXXX73P	M.E.	Savitribai Phule Pune University	Heat Power Engineering	02/07/2018	8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. Jagadale Amitkumar Hanamantrao	XXXXXXXX81Q	M.Tech	Shivaji University	Production Engineering	15/07/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Dr. Patil Prashant Jagannath	XXXXXXXX25D	M.E. and Ph.D.	Sant Gadge Baba Amravati University	Production Engineering	01/08/2023	1.9	Professor	Professor	01/08/2023	Regular	No	30/05/2025	No
10	Dr. Shivade Anand Sudhir	XXXXXXXX18J	M.E. and Ph.D.	Shivaji University	Mechanical	01/06/2016	10.1	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr. Jagtap Ajaykumar Vasantrao	XXXXXXXX10P	M.E.	Savitribai Phule Pune University	Heat Power Engineering	03/07/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Ms. Yadav Priyanka Shankarao	XXXXXXXX31F	M.E.	Shivaji University	Production Engineering	16/02/2022	4.4	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr. Godase Dhiraj Vilasarao	XXXXXXXX93N	M.E.	Shivaji University, Kolhapur	Production Engineering	01/07/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr. Potdar Yogesh Jagannath	XXXXXXXX54N	M.E.	Savitribai Phule Pune University	Design Engineering	01/07/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr. Mulla Nihal Munir	XXXXXXXX04P	M.Tech	Pune University	Heat Power Engineering	01/07/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No

16	Mr. Dhane Vikas Sarjerao	XXXXXXX50N	M.E.	Savitribai Phule Pune University	Heat Power Engineering	02/02/2026	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Ms. Salunke Priyanka Arjun	XXXXXXX22C	M.E.	Savitribai Phule Pune University	Design Engineering	14/07/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. Jadhav Mahesh Madhukar	XXXXXXX42I	M.E.	Shivaji University, Kolhapur	Heat Power Engineering	19/05/2012	13	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No
19	Mr. Mali Akshay Atul	XXXXXXX50N	M.Tech	Indian Institute of Technology, Roorkee	Production Industrial System Engineering	01/07/2022	2.11	Assistant Professor	Assistant Professor		Regular	No	05/06/2025	No
20	Mr. Gaikwad Dattatray Ramrao	XXXXXXX08L	M.E.	Shivaji University, Kolhapur	Heat Power Engineering	01/07/2022	2.11	Assistant Professor	Assistant Professor		Regular	No	25/06/2025	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(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	33	33	33
UG1.C	33	33	66
UG1.D	33	66	66
UG1: Mechanical Engineering	99	132	165
PG1.A	12	12	12
PG1.B	12	12	12
PG1: Mechanical Engineering			
DS=Total no. of students in all UG and PG programs in the Department			
AS=Total no. of students of all UG and PG programs in allied departments			
S=Total no. of students in the Department (DS) and allied departments (AS)	S1=	S2=	S3=

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DF=Total no. of faculty members in the Department			
AF= Total no. of faculty members in the allied Departments			
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1=	F2=	F3=
FF=The faculty members in F who have a 100% teaching load in the first-year courses			
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1=	SFR2=	SFR3=
Average SFR for 3 years	SFR=		

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:

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

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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.