NATIONAL BOARD OF ACCREDITATION

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

Program Name : Civil Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 2
Application No: 11451	**Date of Submission**: 29-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati	
Year of Establishment : 2000	Location of the Institute: Baramati
A2. Institute Address:Vidyanagari, Bhigwan Road, Baramati, Dist. Pune : 413 133, MAH, India	
City:Pune	State:Maharashtra
Pin Code:413133	Website:http://www.vpkbiet.org
Email:principal.vpkbiet@vidyapratishthan.com	Phone No(with STD Code):02112-239500
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Savitribai Phule Pune University Pune	City: Pune
State : Maharashtra	Pin Code: 413133
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: **7**
- No. of PG programs: **7**

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	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
2	Engineering & Technology	PG	Artificial Intelligence and Data Science	2020	--	Computer Engineering
3	Engineering & Technology	UG	Civil Engineering	2006	--	Civil Engineering
4	Engineering & Technology	UG	Computer Engineering	2000	--	Computer Engineering
5	Engineering & Technology	PG	Computer Engineering	2010	2020	Computer Engineering
6	Engineering & Technology	PG	Design Engineering	2012	2020	Mechanical Engineering
7	Engineering & Technology	PG	Digital Systems	2010	2020	Electronics and Telecommunication Engineering
8	Engineering & Technology	UG	Electrical Engineering	2010	--	Electrical Engineering
9	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2000	--	Electronics and Telecommunication Engineering
10	Engineering & Technology	PG	Energy Engineering	2011	2019	Mechanical Engineering
11	Engineering & Technology	UG	Information Technology	2000	--	Information Technology
12	Engineering & Technology	UG	Mechanical Engineering	2002	--	Mechanical Engineering
13	Engineering & Technology	PG	Robotics & Automation	2020	--	Mechanical Engineering
14	Engineering & Technology	PG	Structural Engineering	2012	--	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
Electronics and Telecommunication Engineering	Yes	Electronics and Telecommunication Engineering	UG
Civil Engineering	No	Civil 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 ARROVAL DETAILS
1	Civil Engineering	UG	2006 / --	60	No	NA	60	2006	740-89-037-(NDEG)/ET/2000 Dated:26/05/2006

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.Chittaranjan Birabar Nayak
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)	60	60	60	60	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	60	56	47	49	32	43	55
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	13	20	22	37	25	19
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	6	8	8	8	8	9	4

Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	66	77	75	79	77	77	78

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)	60	60	6	110.00
2024-25 (CAYm1)	60	56	8	106.67
2023-24 (CAYm2)	60	47	8	91.67

Average [(ER1 + ER2 + ER3) / 3] = 102.78≡ 100

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).	97.00	85.00	79.00
B=No. of students who graduated from the program in the stipulated course duration	57.00	62.00	69.00
Success Rate (SR)= (B/A) * 100	58.76	72.94	87.34

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 73.01

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)	7.72	7.84	6.39
Y=Total no. of successful students	57.00	49.00	29.00
Z=Total no. of students appeared in the examination	64.00	55.00	57.00
API [X*(Y/Z)]	6.88	6.98	3.25

Average API[(AP1+AP2+AP3)/3] : 5.70

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 2rd year/10)	7.84	6.99	6.87
Y=Total no. of successful students	68.00	48.00	68.00
Z=Total no. of students appeared in the examination	69.00	51.00	76.00
API [X * (Y/Z)]	7.73	6.58	6.15

Average API [(AP1 + AP2 + AP3)/3] : 6.82

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)	7.37	7.59	7.37
Y=Total no. of successful students	37.00	66.00	70.00
Z=Total no. of students appeared in the examination	48.00	68.00	76.00
API [X*(Y/Z)]:	5.68	7.37	6.79

Average API [(AP1 + AP2 + AP3)/3] : 6.61

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	97.00	85.00	79.00
X=No. of students placed	28.00	21.00	27.00
Y=No. of students admitted to higher studies	8.00	12.00	5.00
Z= No. of students taking up entrepreneurship	0.00	9.00	4.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	37.11	49.41	45.57

Average Placement Index = (P_1 + P_2 + P_3)/3: 44.03 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)	Cur Ass (Y/N
1	Dr.Chittaranjan Birabar Nayak	XXXXXXX33P	M.Tech and Ph.D.	SPPU, Pune	Structural Engineering	07/07/2009	16.6	Assistant Professor	Associate Professor	26/09/2019	Regular	Yes
2	Dr. Giridhar Narayanrao Narule	XXXXXXX39K	M.Tech and Ph.D.	Mumbai University	Structural Engineering	17/08/2005	20.5	Assistant Professor	Associate Professor	26/09/2019	Regular	Yes
3	Dr.Samadhan Ganpat Morkhade	XXXXXXX31B	M.Tech and Ph.D.	VNIT, Nagpur	Structural Engineering	13/12/2016	9.1	Assistant Professor	Assistant Professor		Regular	Yes
4	Dr.Ravindra Jaysing Patil	XXXXXXX82A	M.Tech and Ph.D.	IIT Guwahati	Environmental Engineering	16/01/2017	9	Assistant Professor	Assistant Professor		Regular	Yes
5	Dr. Nagesh Tatoba Suryawanshi	XXXXXXX59G	M.Tech and Ph.D.	Shivaji univ.& SPPU	Construction Management	17/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes
6	Mr. Dilip Gulabrao Patil	XXXXXXX33L	M.Tech	COEP, SPPU	Town & Country Planning	03/08/2011	14.5	Assistant Professor	Assistant Professor		Regular	Yes
7	Dr. Umesh Tukaram Jagdale	XXXXXXX89J	M.Tech and Ph.D.	SPPU	Structural Engineering	21/07/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes
8	Ms. Jyoti Chhagan Bhong	XXXXXXX17E	M.Tech	SPPU, Pune	Geotechnical Engineering	14/01/2016	10	Assistant Professor	Assistant Professor		Regular	Yes
9	Dr. Dhiraj Dipak Ahiwale	XXXXXXX49D	M.Tech and Ph.D.	DYPU, Pune	Structural Engineering	13/12/2016	9.1	Assistant Professor	Assistant Professor		Regular	Yes
10	Mr. Rushikesh Ramesh Khartode	XXXXXXX30C	M.Tech	Shivaji University Kolhapur	Structural Engineering	16/12/2016	9.1	Assistant Professor	Assistant Professor		Regular	Yes
11	Mr. Abhijeet Mohanlal Gaikwad	XXXXXXX05G	M.Tech	Shivaji University Kolhapur	Structural Engineering	04/01/2017	9	Assistant Professor	Assistant Professor		Regular	Yes
12	Ms. Pallavi Arunoday Bokey	XXXXXXX94P	M.Tech	GCOEA,SGBAU	Geotechnical Engineering	01/01/2018	8	Assistant Professor	Assistant Professor		Regular	Yes

13	Dr. Snehal Balkrishna Walke	XXXXXXX05C	M.Tech and Ph.D.	DYPU, Pune	Structural Engineering	03/01/2013	13	Assistant Professor	Assistant Professor		Regular	Yes
14	Dr. Yogesh H Tambe	XXXXXXX97P	M.Tech and Ph.D.	SPPU, Pune	Structural Engineering	16/02/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes
15	Dr. Paritosh Kumar Singh	XXXXXXX38M	M.E. and Ph.D.	BIT Mesra	Structural Engineering	11/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes
16	Ms. Priyanka Khade	XXXXXXX37M	M.Tech	SPPU, Pune	Structural Engineering	25/08/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes

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	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Civil Engineering	**198**	**198**	**198**
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Structural Engineering	**36**	**36**	**36**
DS=Total no. of students in all UG and PG programs in the Department	234	234	234
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=** 234	**S2=** 234	**S3=** 234
DF=Total no. of faculty members in the Department	16	14	14
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=** 16	**F2=** 14	**F3=** 14
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 19.50**	**SFR2= 18.00**	**SFR3= 18.00**
Average SFR for 3 years	**SFR= 18.50**		

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.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	9	7	11.00	26.82
2024-25(CAYm1)	6	8	11.00	20.91
2023-24(CAYm2)	6	8	11.00	20.91

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.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	0.00	2.00	2.00	7.00	13.00
2024-25	1.00	0.00	2.00	2.00	7.00	12.00
2023-24	1.00	0.00	2.00	2.00	7.00	12.00
Average	RF1=1.00	AF1=0.00	RF2=2.00	AF2=2.00	RF2=7.00	AF2=12.33

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)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Geotechnical Engineering	6.00
2	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Time Management & Study Planning for MPSE Aspirants	6.00
3	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Numerical Problem-Solving Techniques for GATE Civil	10.00
4	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Fluid Mechanics	6.00
5	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Techniques for Competitive Exams	4.00
6	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Common Mistakes to Avoid in MPSC Preparation	6.00
7	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Prelims Strategy: MCQ Solving Techniques & Accuracy Improvement	6.00
8	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Common Mistakes to Avoid in GATE Preparation	6.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Geotechnical Engineering	6.00
2	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Mock Test Analysis & Performance Improvement: MPSE	6.00
3	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Subject-Wise Strategy for GATE Civil (Structures, Geotech, Environmental, Transportation)	18.00
4	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Geotechnical Engineering	6.00
5	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Foundation Engineering	6.00
6	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Fluid Mechanics	6.00
7	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Note-Making Techniques for Long-Term Retention	2.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Geotechnical Engineering	6.00
2	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Fluid Mechanics	6.00
3	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Foundation Engineering	6.00
4	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	MPSE Strategy: Prelims + Mains + Interview Roadmap	12.00
5	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Complete GATE Preparation Strategy for Civil Engineering	6.00
6	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	How to Start MPSC Preparation Along with College	4.00
7	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Approach to Core Subjects	4.00
8	Dr. Amol Maskar	Assistant Engineer, Grade 1	Water Resources Department, Division- Malshiras	Concept Building vs Problem Practice: Right Balance	4.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	27	18	7
2	No. of peer reviewed conference papers published	13	4	1
3	No. of books/book chapters published	2	2	4

C7. Sponsored Research Project

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

(CAYm1)

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Chittaranjan B. Nayak		Civil Engineering	Sustainable CRMB Binder for Pavement Construction: Rheology, Environmental Impact & Optimization	V H KHATRI CONSTRUCTION PVT. LTD.	1Year	12.00
Ms. Pallavi A. Bokey		Civil Engineering	Loading Frame: To determine the load settlement behaviour of soil	Extreme Engineers and Consultant	From 2023-2024	1.50
						Amount received (Rs.):13.50

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Chittaranjan B. Nayak		Civil Engineering	Optimization of Bitumen Content by CRMB Bituminous Pavement using PYTHON	M/s. V. H. Khatri Construction Pvt. Ltd	1Year	1.70
Mr. Umesh.T. Jagadale		Civil Engineering	Study on Cost Optimization for replacement of VG 30/40 in Bituminous Concrete by CRMB	M/s. V. H. Khatri Construction Pvt. Ltd	1Year	1.50
Mrs Snehal B. Walke		Civil Engineering	Effect of Water Quality on Concrete by Partial Replacement of cement with glass powder and egg shell powder	M/s. V. H. Khatri Construction Pvt. Ltd	1Year	1.50
Ms. Jyoti C. Bhong		Civil Engineering	Diffrential settlement simulator tank	Extreme Engineers and Consultant	From 2022-2023	1.50
						Amount received (Rs.):6.20

Total Amount (Lacs) Received for the Past 3 Years: 19.70

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)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Giridhar N. Narule		Civil Engineering	Water Audit of six buildings and Baramati water supply system	Baramati Nagar-Parishad	8 Days	0.44
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Structural Audit of Primary School buildings, Baramati	Baramati Nagar-Parishad	10 Days	0.70
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Structural Audit of Balwadi building, Baramati	Baramati Nagar-Parishad	10 Days	0.60
Mr. Rushikesh R. Khartode		Civil Engineering	Concrete Cube Testing	T&T Infra Pvt. Ltd., Pune	1 Day	0.02
Dr. Giridhar N. Narule	Ms. Pallavi A. Bokey	Civil Engineering	Bearing capacity of soil	M/S. Kale Brothers & Con	5 Day	0.20
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Contouring	M/s. Kale Brothers & Con.	5 Day	0.06
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Cutting and filling quantity	M/S. Kale Brothers & Con	5 Day	0.15
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube Testing	Constro & Infra Pvt. Ltd	1 Day	0.03
Mr. Dilip G. Patil		Civil Engineering	Concrete Cube Testing	Constro & Infra Pvt. Ltd.	1 Day	0.03
Dr. Giridhar N. Narule		Civil Engineering	Concrete Cube Testing	Ujjwal Engineering, Phaltan	1 Day	0.02
Dr. Giridhar N. Narule	Dr. Yogesh H. Tambe	Civil Engineering	NTD Testing	Devika V. Mehta	5 Day	0.09
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Core and Impact Testing	Prakrut Lab	4 Day	0.02
Dr. Nagesh T. Suryawanshi		Civil Engineering	Steel testing	Water Staywardship Org. Pvt, Ltd.	2 Day	0.05
Dr. Giridhar N. Narule		Civil Engineering	Water Audit of six buildings and Baramati water supply system	Baramati Nagar-Parishad	8 Day	0.44
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Structural Audit of Primary School buildings, Baramati	Baramati Nagar-Parishad	10 Day	0.70
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Structural Audit of Balwadi building, Baramati	Baramati Nagar-Parishad	10 Day	0.60
Mr. Rushikesh R. Khartode		Civil Engineering	Concrete Cube Testing	T&T Infra Pvt. Ltd., Pune	1 Day	0.02
Dr. Giridhar N. Narule	Ms. Pallavi A. Bokey	Civil Engineering	Bearing capacity of soil	M/S. Kale Brothers & Con.	5 Days	0.20
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Contouring	M/S. Kale Brothers & Con.	5 Days	0.06
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Cutting and filling quantity	M/S. Kale Brothers & Con.	5 Days	0.15
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube Testing	Constro & Infra Pvt. Ltd.	1 Day	0.03
Mr. Dilip G. Patil		Civil Engineering	Concrete Cube Testing	Constro & Infra Pvt. Ltd.	1 Day	0.03
Dr. Giridhar N. Narule		Civil Engineering	Concrete Cube Testing	Ujjwal Engineering, Phaltan	1 Day	0.02
Dr. Giridhar N. Narule	Dr. Y. H. Tambe	Civil Engineering	NTD Testing	Devika V. Mehta	5 Days	0.09
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Core and Impact Testing	Prakrut Lab	4 Day	0.02
Dr. Nagesh T. Suryawanshi		Civil Engineering	Steel testing	Water Staywardship Org. Pvt, Ltd.	2 Days	0.05
						Amount received (Rs.):4.82

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Giridhar N. Narule		Civil Engineering	Water Audit	Daund Nagar-Parishad	5 Days	0.43
Dr. Giridhar N. Narule		Civil Engineering	Water Audit	Baramati Nagar-Parishad	5 Days	0.25
Mr. Umesh T. Jagadale		Civil Engineering	Requirement of Concrete Mould	M/S. Magnetic Electrical Line	1 Days	0.00
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube Testing	M/S. Biradar Govt. Con. Line Contractor	1 Days	0.02
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube Testing	M/S. Biradar Govt. Con. Line Contractor	1 Days	0.02
Dr. Chittaranjan B. Nayak		Civil Engineering	Concrete Cube Testing	M/S. Biradar Govt. Con. Line Contractor	1 Days	0.05
Dr. Chittaranjan B. Nayak		Civil Engineering	Concrete Cube Testing	M/S. Biradar Govt. Con. Line Contractor	1 Days	0.01
Dr. Giridhar N. Narule		Civil Engineering	Structural Audit	Baramati Nagar-Parishad	10 Days	0.30
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale	Civil Engineering	Contouring and bearing capacity of soil	S. T. Electricals Pvt. Ltd.	8 Days	0.30
Dr. Chittaranjan B. Nayak		Civil Engineering	Concrete Cube Testing	M/S. V.H. Khatri Asso	1 Days	0.05
Dr. Giridhar N. Narule	Dr. Dhiraj D. Ahiwale, Ms. Pallavi A. Bokey	Civil Engineering	Contouring and bearing capacity of soil	S. T. Electricals Pvt. Ltd.	8 Days	0.30
Dr. Dhiraj D. Ahiwale	Dr. Giridhar N. Narule	Civil Engineering	Contouring and bearing capacity of soil	S. T. Electricals Pvt. Ltd.	8 Days	0.15
Dr. Dhiraj D. Ahiwale	Dr. Giridhar N. Narule	Civil Engineering	Contouring and bearing capacity of soil	S. T. Electricals Pvt. Ltd.	8 Days	0.15
Dr. Chittaranjan B. Nayak		Civil Engineering	Concrete Cube Testing	M/S. V.H. Khatri Asso	1 Days	0.03
Dr. Giridhar N. Narule		Civil Engineering	Structural Audit	Baramati Nagar-Parishad	10 Days	1.60
						Amount received (Rs.):3.66

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. Umesh T. Jagadale	Dr. Chittaranjan B. Nayak	Civil Engineering	Concrete Cube Testing	Sujit Kishor-Assist. Engg. Irrigation Sub.Baramati	1 Days	0.20
Dr. Chittaranjan B. Nayak		Civil Engineering	Concrete Cube Testing	Jha Construction	1 Days	0.01
Mr. Dilip G. Patil		Civil Engineering	Concrete Cube Testing	Prathmesh Construction	1 Days	0.01
Mr. Dilip G. Patil		Civil Engineering	Concrete Cube Testing	Prathmesh Construction	1 Days	0.04
Ms. Snehal B. Walke		Civil Engineering	Concrete Cube Testing	Ambhuja Cement	1 Days	0.01
Mr. Dhiraj D. Ahiwale		Civil Engineering	Steel Testing	Yash Electro Lline Pvt. Ltd.	2 Days	0.02
Dr. Nagesh T. Suryawanshi		Civil Engineering	Concrete Cube Testing	Ambhuja Cement	1 Days	0.01
Mr. Abhijit M. Gaikwad		Civil Engineering	Concrete Cube Testing	Prathmesh Construction	1 Days	0.01
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube Testing	Vipul Vanjare (Ambuja Cement)	1 Days	0.01
Dr. Nagesh T. Suryawanshi	Mr. Abhijit M. Gaikwad	Civil Engineering	Core Testing	Phaltan Nagarparishad	10 Days	0.05
Dr. Giridhar N. Narule	Dr. Chittaranjan B. Nayak	Civil Engineering	Structural Audit of School building No.3,4 &6	Baramati Nagar Parishad	10 Days	2.10
Mr. Dilip G. Patil		Civil Engineering	Concrete Cube & Steel Testing	Prathmesh Construction	2 Days	0.02
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube & Steel Testing	Gargate and son's,	1 Days	0.01
Dr. Nagesh T. Suryawanshi		Civil Engineering	Concrete Cube & Steel Testing	Prathmesh Construction	1 Days	0.03
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube & Steel Testing	Utkarsh Pvt Ltd	1 Days	0.03
Dr. Giridhar N. Narule		Civil Engineering	Soak CBR Test on soil samples	Infrastructure Developer	5 Days	0.14
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube & Steel Testing	Prathmesh Construction	1 Days	0.01
Dr. Giridhar N. Narule		Civil Engineering	Water Audit of buildings	Saswad Nagar Parishad	10 Days	0.24
Mr. Umesh T. Jagadale	Mr. Rushikesh R. Khartode	Civil Engineering	Testing of cement, briks, sand,stone	Baramati Nagar Parishad	2 Days	0.07
Dr. Giridhar N. Narule	Dr. Chittaranjan B. Nayak	Civil Engineering	Structural Stability Audit of three buildings	Baramati Nagar Parishad	10 Days	2.10
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube Testing	M/S. Vipul Vanzare Line Contractor	1 Days	0.01
Dr. Giridhar N. Narule	Mr. Umesh T. Jagadale	Civil Engineering	Water Audit of buildings	Daund Nagar Parishad	10 Days	0.45
Dr. Giridhar N. Narule		Civil Engineering	Water Audit of buildings	Saswad Nagar Parishad	10 Days	0.13
Dr. Giridhar N. Narule		Civil Engineering	Water Audit of buildings	Baramati Nagar Parishad	10 Days	0.25
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube Testing	M/S. Deepak B. Kate Line Contractor	1 Days	0.01
Mr. Umesh T. Jagadale		Civil Engineering	Concrete Cube Testing	M/S. Deepak B. Kate Line Contractor	1 Days	0.01
						Amount received (Rs.):5.98

Total amount (Lacs) received for the past 3 years: 14.46

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)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Samadhan .G.Morkhade	Workshop for PhD Guide	1 Day	0.02	0.02	Guide 2 PhD students and also published research papers
Dr. Samadhan .G.Morkhade	Technical Event Kreate	2 Day	0.12	0.12	Students participated in technical event KREATE at Jalna
Dr. Dhiraj D. Ahiwale, Mr. Rushikesh R. Khartode	ICTE QIP PG Certificate Programme at IIIT Surat	15 Days	0.20	0.20	Taught Machine Learning Concept in Class
Ms. Pallavi A. Bokey	Institute level elocution compition	1 Day	0.02	0.02	Institute level elocution compition on the occassion of Yuva day on 16th Jan 2025
Dr. Chittaranjan B. Nayak along with other institute faculties	Infocomn India Mumbai 2024	1 Day	0.14	0.14	Expenses incurred on food & car bill during Infocomn India Mumbai 2024
Dr. Chittaranjan B. Nayak	Attending Avishkar 2024 Institute level compitition data submission to SPPU	1 Day	0.05	0.05	Avishkar 2024 Institute level compition
Mr. Dilip G. Patil	2 month FDPon "RS & GIS Applicationand Reg. planning studies at Dehradun	2 Month	0.10	0.10	Learn "RS & GIS Applicationand Reg. planning studies" and taught to students
Mr. Rushikesh R. Khartode, Dr. Chitragar P. R.	1 day workshop on NEP2020 at IIM Nagpur	1 Day	0.20	0.20	Attend 1 day workshop on NEP2020 at IIM Nagpur on 23/10/2024
			Amount received (Rs.): 0.85		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Chittaranjan B. Nayak	1 Day Workshop on Advance in Civil Engineering" under Indian Geotechnical Society Student Chapter	1 Day	0.09	0.09	1 Day Workshop on Advance in Civil Engineering
Dr. Ravindra J. Patil	Youth Enangement & Water Source Training Programme of Green Club organised by UNICEF & DTE	1 Day	0.01	0.01	Youth Enangement & Water Source Training Programme of Green Club organised by UNICEF & DTE
Mr. Rushikesh R. Khartode	TA/DA to attend 1 day FDP	1 Day	0.02	0.02	Attend 1 Day FDP on Aple Prashna Aple Vidhan at Ghokale Institute Pune on 16/01/2024
			Amount received (Rs.): 0.12		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Samadhan G. Morkhade, Mr. Dhiraj D. Ahiwale	technical visit to Milenium Technologies and Rodyne Systems, Bangalore	3 Days	0.10	0.10	Site visits / interaction with industry experts to improve understanding
Dr. Nagesh T. Sueyawanshi, Mr. Umesh T. Jagadale, Mr. Abhijit M. Gaikwad	Attending seminar on Urban Infrastrcture	1 Day	0.02	0.02	Know various Urban Infrastrcture facilities
Dr. Chittaranjan B. Nayak	Support for computational facility for AI/ML projects	2022-2023	6.00	6.21	AI/ML projects, DELL Precision 3660 Tower-Intel i9-01 machine, DELL Precision 3660 Tower- Intel i7-02 machine
			Amount received (Rs.): 6.12		

Total amount (Lacs) received for the past 3 years : 7.09

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.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Environmental Engineering	4	1. UV Spectrophotometer 2. Respirable dust Sampler 3. BOD Incubator	20/T. E and for	Ms. Sai Gadha	Lab Assistant	B.E. Civil
2	Geotechnical Engineering	4	1. Direct Shear Test 2. Triaxial Test 3. California Bearing Ratio Apparatus 4. Unconfined Compression Test 5	20/S. E and for	Ms. Sai Gadha	Lab Assistant	B.E. Civil
3	Transportation Engineering	4	1. Ductility Testing Machine 2. Los Angeles Abrasion Testing Machine 3. Universal Penetrometer Apparatus 4	20/B. E and for	Mr. S. B. Mark	Lab Technician	Diploma
4	Strength of Material	4	1. Tile Abrasion Testing Machine 2. Flexural Strength Testing Machine (Tiles) 3. 200 kg Capacity 3. Torsion	16/S. E and pr	Mr. S. B. Mark	Lab Technician	Diploma
5	Fluid Mechanics	4	1. Mini Hydraulic Flume with Adjustable Channel Apparatus 2. Open Circuit Wind Tunnel Apparatus	16/S. E and pr	Ms. Sai Gadha	Lab Assistant	B.E. Civil
6	Surveying	4	1. 1” Micro Optic Theodolite 2. 20” Transit Theodolite 3. Total Station 4. Prismatic Compass 5. Plane Table 6	16/S. E and for	Mr. Jeewan So	Lab Assistant	B.E. Civil
7	Engineering Geology	4	1. Rock Specimens 2. Mineral Specimens	16/S. E and pr	Mr. Jeewan So	Lab Assistant	B.E. Civil
8	Concrete Technology	4	1. Compression Testing Machine 2. Flexural Strength Machine 3. Ultrasonic Pulse Velocity Test 4	24/S. E and for	Mr. S. B. Mark	Lab Technician	Diploma
9	Engineering Mechanics	4	1. Reaction of simple beam 2. Belt Friction Apparatus 3. Polygon of Forces Apparatus	30/F. E	Ms. Sai Gadha	Lab Assistant	B.E. Civil
10	CAD Lab	1	1. STAAD.Pro Software 2. AutoCAD 3. MATLAB 4. Gram++	32/S. E, B.E ar	Mr. J. R. Sona	Lab Assistant	B.E. Civil

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	Environmental Engineering	•General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Well-trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage area is available. • Always enter the lab with aprons, safety shoes, hand gloves and safety glasses. • Chemicals must be handled very carefully and not to be touched with bare hands. • Concentrated acids such as H_2SO_4, HCL are highly toxic and dangerous and inhaling of the same is to be avoided. • The user's manual should be read and safety precautions to be understood before using instruments such as spectrophotometer, turbidity meter etc. • Working area is kept clean and tidy. • Mandatory use of lab coats, gloves, and safety goggles while handling chemical reagents. • Fume hood usage for experiments involving volatile or hazardous gases. • Clearly marked hazardous waste disposal bins and emergency eyewash stations.
2	Geotechnical Engineering	• General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Well-trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage area is available. • Always enter the lab with safety shoes. • Do not attempt to repair/operate anything that you are not qualified to repair/operate. • Any sharp tool or machine should be used carefully in supervision of Lab attendant or faculty. • Carefully inspect all protective equipment prior to use. • Do not use defective equipment. • Students are instructed to follow instructions given by the faculty precisely. If any part of the equipment fails while being used, they are informed to report it immediately to faculty. • The crowding around the equipment is to be avoided. • Use of safety shoes to prevent injury from heavy soil samples or metal equipment. • Proper anchoring of heavy machinery like Triaxial or Direct Shear apparatus. • Dust control measures during soil sieving and oven-drying processes.
3	Transportation Engineering	• General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Well-trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage area is available. • Students are instructed to wear shoes and to completely cover their foot while working in the laboratory. • Place all the belongings out of the work area. • Report faulty equipment to the teaching assistant immediately. • Do not operate electrical equipment that has frayed or damaged power cords or connectors. • Students are allowed to perform only those experiments authorized by the faculty. • Keep safe distance from hot surfaces, rotating components, and heater. • Avoid Lighting a Match or Lighter and use of cell phone. • The crowding around the equipment is to be avoided. • Heat-resistant gloves used when handling hot bitumen or using the aggregate drying oven. • Adequate ventilation to prevent the buildup of fumes during bitumen testing. • Guard rails or safety shields on Los Angeles Abrasion and Impact testing machines.
4	Strength of Material	• General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Well-trained technical supporting staff. • Periodical servicing of the lab equipment. • Perform only those experiments authorized by Faculty. • Any failure or break-down of equipment must be reported to the lab assistant or lab in-charge. • Power supply to your test table should be obtained only through the lab technician/ instructor. • Do not lean and do not be close to the rotating components. • Read the instructions mentioned in the manual carefully and then proceed for the experiment. • Please follow equipment or machine operating instructions • Care must be taken while dealing with electrical connections. • Do not attempt to repair/operate anything that you are not qualified to repair/operate. • High-impact safety screens on the Universal Testing Machine (UTM) to protect against flying debris during specimen failure. • Strict "No Entry" zones during high-load hydraulic testing. • Emergency stop buttons clearly accessible on all motorized testing frames.

5	Fluid Mechanics	• General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Do not touch anything with which you are not completely familiar. Carelessness may not only break the valuable equipment in the lab but may also cause serious injury to you and others in the lab. • Please follow instructions precisely as instructed by faculty. • Do not start the experiment unless your setup is verified and approved by faculty. • Do not leave the experiments unattended while in progress. • Do not crowd around the equipment and run inside the laboratory. • During experiments material may fail and disperse, please maintain at a safe distance from the experimental setup. • If any part of the equipment fails while being used, report it immediately to faculty. Never try to fix the problem yourself because you could further damage the equipment and harm yourself and others in the lab. • Always enter the lab with safety shoes. • Non-slip floor mats installed around hydraulic benches and flumes to prevent falls. • Regular electrical safety audits for water pumps and flow meters. • Waterproof casing for all nearby electrical sockets and switches.
6	Surveying	General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Well-trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage area is available. • Sharp tools should be used carefully in supervision of Lab attendant or faculty. • Do not play with instruments or chains. • Do not sit on instruments. • Handle the instruments carefully and follow the instructions while performing the practical on field. • Wear proper safety shoes. • Wear cap while performing the practical on field • Proper handling and leveling of instruments to prevent tipping. • Use of safety jackets and caps during outdoor field surveys. •Secure storage of high-cost equipment like Total Stations in moisture-free cases.
7	Engineering Geology	• General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Know the correct handling procedures for every sample available in the laboratory. • Do not touch specimens and minerals without permission. • Count all specimens before leaving lab. • Do not use mobile phones during lab hours. • Do not use acids like HCL to identify the minerals. • Handle the specimens and minerals carefully. • Do not split and powder the minerals. • Do not displace or remove laboratory samples without proper prior permission. • Safe storage of rock and mineral specimens in sturdy, labeled racks to prevent falling. • Use of safety glasses when using hammers or tools for rock sample preparation. • Systematic organization of geological maps and glass-covered displays to avoid breakage.
8	Concrete Technology	• General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Well-trained technical supporting staff. • Periodical servicing of the lab equipment. • Students are instructed to wear shoes and to completely cover their feet while working in the laboratory. • Place all the belongings out of the work area. • Report faulty equipment to the teaching assistant immediately. • Do not operate electrical equipment that has frayed or damaged power cords or connectors. • Students are allowed to perform only those experiments authorized by the faculty. • Students are not allowed to touch the oven during operation and use hand gloves while removing heated objects from oven. • Wet cement is caustic and can cause severe chemical burns to exposed skin and eyes. Hence it should be dealt with care. • Cement comprises of particles less than 45 microns. Always wear mask while working with cement. • Non-slip floor mats installed around hydraulic benches and flumes to prevent falls. • Regular electrical safety audits for water pumps and flow meters. • Waterproof casing for all nearby electrical sockets and switches.
9	Engineering Mechanics	• General rules of conduct in laboratories are displayed. • Specific safety rules for students are displayed. • Availability of first aid box is ensured. • Well-trained technical supporting staff. •Equipment or machine operating instructions are properly followed. • The crowding around the equipment is to be avoided. • Strict adherence to machine operation manuals for load-testing equipment. • Floor markings to ensure safe distance from moving parts of experimental setups. • Regular lubrication and maintenance check-ups of pulley and gear systems.

10	CAD Lab	Students are insisted to read carefully and understand the laboratory discipline and safety regulations. • Working area is kept clean and tidy. • Do not use mobile phones during lab hours. • Food or beverage is not allowed in the laboratory. • Do not plug in external devices without scanning them for computer viruses. • Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on. • Students should not attempt to repair, open, tamper or interfere with any of the computers, cabling, or other equipment in the laboratory. • Ergonomic seating and adequate lighting to reduce eye and back strain. • Proper electrical earthing and use of UPS to prevent short circuits or data loss. • Systematic wire management and fire extinguishers (CO2 type) installed for electrical safety.

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.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF
2023-24(CAYm2)	540	27	15	13	54
2024-25(CAYm1)	540	27	17	17	63
2025-26(CAY)	900	45	21	25	48

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	0	0	0	0	0	0	0	0
Library	1900000	1634000	1700000	1499000	1550000	1578000	1500000	1430000
Laboratory equipment	5326000	2840000	3733000	1403000	2637000	1019000	1800000	1424000
Teaching and non-teaching staff salary	184573000	177250000	179402000	148860000	161505000	133452000	144914000	137214000
Outreach Programs	75000	19000	50000	20000	50000	10000	75000	19000
R&D	3500000	2396000	6575000	2107000	7735000	1679000	5100000	1658000
Training, Placement and Industry linkage	1000000	301000	1200000	640000	600000	1054000	575000	321000
SDGs	600000	535000	350000	535000	400000	308000	350000	274000
Entrepreneurship	200000	73000	100000	5000	400000	0	300000	71000
Others, specify	58626000	43556000	44421000	35091000	47573000	58148000	48380000	34468000
Total	**255800000**	**228604000**	**237531000**	**190160000**	**222450000**	**197248000**	**202994000**	**176879000**

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	345000	356028	350000	455898.9	430000	367922	340000	24190
Software	300000	0	0	0	125000	0	50000	0
SDGs	60000	54783	120000	46828.4	65000	49953	35000	78021
Support for faculty development	40000	28509	95000	23747.3	50000	85775	15000	15741
R & D	80000	248642	140000	198641.4	45000	190788	20000	176492
Industrial Training, Industry expert,	30000	4679	135000	24491	35000	17000	15000	16505
Miscellaneous Expenses*	45000	44052	60000	62143.1	50000	52338	25000	39653
Total	**900000**	**736693**	**900000**	**811750.1**	**800000**	**763776**	**500000**	**350602**