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**: 1
Application No: 11756	**Date of Submission**: 21-04-2026

PART A- Profile of the Institute

A1.Name of the Institute: BMS Institute of Technology and Management	
Year of Establishment : 2002	Location of the Institute: Bangalore
A2. Institute Address:Dodaballapur Road, Avalahalli, Yelahanka,	
City:Bangalore Urban	State:Karnataka
Pin Code:560064	Website:bmsit.ac.in
Email:principal@bmsit.in	Phone No(with STD Code):080-26146802
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Visvesvaraya Technological University	City: Belgaum
State : Karnataka	Pin Code: 590018
A4. Type of the Institution: Autonomous CAY(2021-02)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **9**
- No. of PG programs: **5**

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 of Computer Application	2003	--	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2019	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Civil Engineering	2013	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science and Business System	2023	--	Computer Science and Business System
5	Engineering & Technology	UG	Computer Science and Engineering	2002	--	Computer Science and Engineering
6	Engineering & Technology	PG	Computer Science and Engineering	2014	--	Computer Science and Engineering
7	Engineering & Technology	PG	Cyber Security	2022	--	Computer Science and Engineering
8	Engineering & Technology	UG	Electrical & Electronics Engineering	2003	--	Electrical and Electronics Engineering
9	Engineering & Technology	UG	Electronics & Communication Engineering	2002	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2003	2024	Electronics and Telecommunication Engineering
11	Engineering & Technology	UG	Information Science & Engineering	2010	2024	Computer Science and Engineering
12	Engineering & Technology	UG	Mechanical Engineering	2002	--	Mechanical Engineering
13	Engineering & Technology	PG	VLSI System Design	2025	--	Electronics and Communication Engineering
14	Management	PG	Master of Business Administration	2022	--	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

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/COMPE AUTHORITY ARROVAL DET
1	Civil Engineering	UG	2013 / --	60	No	NA	60	2013	F..No. South-W 46268741153/2 Dated: 16 Marc

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. Aruna G.
B. Nature of appointment:	Regular
C. Qualification:	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	55	48	46	55	32	46	60
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	6	6	6	6	6
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	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	55	54	52	61	38	52	66

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	55	0	91.67
2024-25 (CAYm1)	60	45	0	75.00
2023-24 (CAYm2)	60	46	0	76.67

Average [(ER1 + ER2 + ER3) / 3] = 81.11≡ 17.00

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	66.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	38.00	50.00	66.00
Success Rate (SR)= (B/A) * 100	57.58	75.76	100.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 77.78

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)
Mean of CGPA or mean percentage of all successful students(X)	6.81	6.89	6.68
Y=Total no. of successful students	58.00	53.00	38.00
Z=Total no. of students appeared in the examination	60.00	66.00	38.00
API [X*(Y/Z)]	6.58	5.53	6.68

Average API[(AP1+AP2+AP3)/3] : 6.26

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)	7.27	6.70	6.45
Y=Total no. of successful students	52.00	60.00	38.00
Z=Total no. of students appeared in the examination	52.00	61.00	38.00
API [X * (Y/Z)]	7.27	6.59	6.45

Average API [(AP1 + AP2 + AP3)/3] : 6.77

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)	7.53	7.29	6.55
Y=Total no. of successful students	59.00	38.00	50.00
Z=Total no. of students appeared in the examination	60.00	38.00	52.00
API [X*(Y/Z)]:	7.40	7.29	6.30

Average API [(AP1 + AP2 + AP3)/3] : 7.00

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	66.00	66.00
X=No. of students placed	20.00	27.00	39.00
Y=No. of students admitted to higher studies	3.00	8.00	7.00
Z= No. of students taking up entrepreneurship	3.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	39.39	54.55	71.21

Average Placement Index = (P_1 + P_2 + P_3)/3: 55.05 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 Associatio (Regular/ Contract/ Ad hoc)
1	Dr. Aruna G.	XXXXXXX65R	Ph.D	Anna University	Structural Engineering	02/11/2021	4.4	Associate Professor	Associate Professor	02/11/2021	Regular
2	Dr. Rajakumara H N	XXXXXXX54A	Ph.D	VTU Belagavi	Environmental Engineering	22/03/2021	5	Professor	Professor	22/03/2021	Regular
3	Dr. Rajesh Gopinath	XXXXXXX47R	Ph.D	JNTU Ananthapur	Environmental Engineering	25/04/2016	9.11	Associate Professor	Professor	12/04/2025	Regular
4	Mrs. Shobha R	XXXXXXX61B	M.Tech	VTU Belagavi	CADD structures	08/08/2012	13.7	Assistant Professor	Assistant Professor		Regular
5	Mrs. Archana K	XXXXXXX20E	M.Tech	NITK Surathkal	Water resources Engineering & Management	02/07/2014	11.8	Assistant Professor	Assistant Professor		Regular
6	Mrs. Shimna Manoharan	XXXXXXX31G	M.Tech	IIT Bombay	Geotechnical Engineering	31/07/2015	10.7	Assistant Professor	Assistant Professor		Regular
7	Dr. Vinod B R	XXXXXXX37C	Ph.D	Glocal University	Geotechnical Engineering	28/10/2015	10.5	Assistant Professor	Assistant Professor		Regular
8	Dr. Chandrashekharappa A	XXXXXXX47Q	Ph.D	Karnatak University	Engineering Geology	27/01/2020	6.2	Assistant Professor	Assistant Professor		Regular
9	Dr. Deepak M S	XXXXXXX12C	Ph.D	Anna University	Structural Engineering	27/01/2020	6.2	Assistant Professor	Assistant Professor		Regular
10	Dr. Anupkumar G Ekbote	XXXXXXX15Q	Ph.D	IIT Dhanbad	Geotechnical Engineering	12/10/2020	5.5	Assistant Professor	Assistant Professor		Regular
11	Dr. Athiyamaan V	XXXXXXX79P	Ph.D	VIT Vellore	Structural Engineering	25/03/2021	5	Assistant Professor	Assistant Professor		Regular
12	Dr. Marsh M. Bandi	XXXXXXX75A	Ph.D	NITK Surathkal	Transportation Engineering	15/07/2021	4.8	Assistant Professor	Assistant Professor		Regular
13	Dr. Lalit Kumar Gupta	XXXXXXX10K	Ph.D	MNIT Jaipur	Structural Engineering	10/08/2021	4.7	Assistant Professor	Assistant Professor		Regular

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 Department0
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**
DS=Total no. of students in all UG and PG programs in the Department	198	198	198
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=** 198	**S2=** 198	**S3=** 198
DF=Total no. of faculty members in the Department	13	13	13
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=** 13	**F2=** 13	**F3=** 13
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 16.50**	**SFR2= 16.50**	**SFR3= 16.50**
Average SFR for 3 years	**SFR= 16.50**		

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)	10	3	9.00	31.11
2024-25(CAYm1)	10	3	9.00	31.11
2023-24(CAYm2)	10	3	9.00	31.11

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	2.00	2.00	1.00	7.00	10.00
2024-25	1.00	1.00	2.00	2.00	7.00	10.00
2023-24	1.00	1.00	2.00	2.00	7.00	10.00
Average	RF1=1.00	AF1=1.33	RF2=2.00	AF2=1.67	RF2=7.00	AF2=10.00

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	Mrs. Srilaxmi B A	Adjunct Faculty	BMSIT&M	Biology for Engineers (Non-IT)	26.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mrs. Ramya K P	Manager	Bioneeds	Biology for Engineers (Non-IT)	26.00

(CAYm3)

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	7	7	3
2	No. of peer reviewed conference papers published	3	1	8
3	No. of books/book chapters published	4	7	8

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research 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 Rajesh Gopinath	Prof Shimna M & Prof Archana K	Civil Engineering	Filter for Roof top Rain Water Harvesting and Ground water Recharge	BIS	1 YEAR	4.50
						Amount received (Rs.):4.50

(CAYm2)

(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. Deepak M S	NA	Civil Engineering	Advancement and Applications of High-Strength High-Performance Concrete Utilizing Electrical Arc Furnace Steel Slag Residue and Copper Slag Aggregates	DST-SERB- Teachers Associateship for Research Excellence (TARE)	3	18.30
						Amount received (Rs.):18.30

Total Amount (Lacs) Received for the Past 3 Years: 22.80

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. Lalit Kumar Gupta	-	Civil Engineering	Cube Test and solid Blocks Testing	Dr. Soumini S	28.06.2025	0.17
Dr. Anup Ekbote	Dr. Deepak M S	Civil Engineering	Concrete Core Cylinder Testing	Sightofline Global Pvt. Ltd	26.04.2025	0.01
Dr. Anup Ekbote	Dr. Deepak M S	Civil Engineering	Concrete Core Cylinder Testing	M/s SKF India Limited	26.03.2025	0.11
Dr. Aruna G	--	Civil Engineering	Cube Testing	APNAGHAR	03.03.2025	0.01
Dr. Vinod B R	--	Civil Engineering	Cube Testing	Vee-Engineers	11.11.2024	0.15
Dr. Vinod B R		Civil Engineering	Cube Testing	S CUBE	30.09.2024	0.03
Mrs. Shimna Manoharan	Mrs. Archana K	Civil Engineering	Soil Testing	TULASI G.N	12.02.2025	0.31
Dr. Athiyamaan V		Civil Engineering	Field Density	Vee-Engineers	31.12.2024	0.04
Dr. Marsh Bandi		Civil Engineering	Compressive Strength of Paver Blocks	SPT Group of Companies	06.12.2024	0.01
Dr. Anup Ekbote		Civil Engineering	Soil and Core Testing	M/S MERCURY ECON PRIVATE LIMITED	22.11.2024	5.05
Dr. Marsh Bandi		Civil Engineering	Field Density	Vee-Engineers	11.11.2024	0.05
Mrs. Shimna Manoharan	Dr. Anup Ekbote	Civil Engineering	Soil Testing	Anulekavi Ventures	09.11.2024	0.11
Dr. Deepak M S	Dr. Rajakumara H N	Civil Engineering	Non-Destructive Testing	BMS Educational Trust	09-10-2024	0.97
Dr. Lalit Kumar Gupta	Dr. Marsh Bandi	Civil Engineering	Cube Testing	SPT Group of Companies	19.10.2024	0.01
Dr. Chandrashekharappa A		Civil Engineering	Bore Well Point Testing	BMS Educational Trust	19.10.2024	0.20
Mrs. Shimna Manoharan		Civil Engineering	Soil Bearing Capacity (SBC) Testing	Srinivasan Enterprises	25.09.2024	0.21
Dr. Anup Ekbote		Civil Engineering	Solid Block Testing	M/s Charvi Enterprises	23.09.2024	0.01
Mrs. Shimna Manoharan		Civil Engineering	Soil Testing	Mrs. Anjana Sinha	12.07.2024	0.09
Mrs. Archana K		Civil Engineering	Cube Testing	Base and Brick Studio	13.08.2024	0.01
Dr. Lalit Kumar Gupta		Civil Engineering	Solid Block Testing	M/s Charvi Enterprises	25.07.2024	0.01
						Amount received (Rs.):7.56

(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. Vinod B R		Civil Engineering	Cube Testing	Vee-Engineers	10.01.2024	0.01
Dr. Anup Ekbote	Dr. Lalit Kumar Gupta	Civil Engineering	Block & Brick testing	SPT Group of Companies	06.03.2024	0.02
Dr Deepak M S	Dr Rajakumara H.N	BMSET	NDT- Tests for Columns in Lab-Block @ BMSIT&M	BMSET	08.07.2024	1.46
Dr. Chandrashekharappa A		BMSET	Groundwater Investigation	BMSET	1 Week	0.20
Mrs. Shimna Manoharan	Mrs Archana K	Tulasi G N	SBC Soil test	Residential Building - Hubli	03.01.2025	0.30
						Amount received (Rs.):1.99

(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. Chandrashekharappa A		Okala IDL Estate Delhi, Deepak Arora	Demonstrated the Groundwater Investigation using Resistivity Meter	Okala IDL Estate Delhi, Deepak Arora	20-03-2023	0.05
Prof Archana K		Prabhavathi R, M/S Avani Technologies	Technical consultancy for advisory for product development of composite pipes	M/S Avani Technologies	May 2023	0.30
						Amount received (Rs.):0.35

Total amount (Lacs) received for the past 3 years: 9.90

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 Rajesh Gopinath	Design Prototyping and Fabrication of Eco-Efficient Sustainable Indoor Planters	2	1.53	0.00	Product and Patent
Dr Vinod B R	Corrosion-Free Steel Reinforcement in Sustainable Concrete Infrastructure	2	2.00	0.00	Papers
Dr. Marsh M Bandi	AI-Powered Smart Parking and Mobility Management	2	2.00	0.00	Product
			Amount received (Rs.): 5.53		

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years : 5.53

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	CONCRETE MATERIAL TESTING LAB	22	• Computerized CTM with 3000 kN Capacity • Flow Table – Concrete • Rebound Hammer	50%	Mr. Anthony	Instructor	Diploma in Ci
2	FLUID MECHANICS AND HYDRAULIC	22	• Bernoulli Theorem Apparatus • Centrifugal Pump Testing Rig • Jet on Vanes Apparatus	30%	Mr. Siddanan	Assistant Inst	ITI (Fitter)
3	GEOTECHNICAL ENGINEERING LAB	22	• Direct Shear Box • Tri-axial Shear Apparatus • Permeability Apparatus • Unconfined	50%	Mr. Upendra I	Assistant Inst	Diploma in Ci
4	HIGHWAY MATERIALS LAB	22	• Ductility Testing Apparatus • Los Angeles Abrasion Aggregate Testing Apparatus • Impact	50%	Mr. Anthony	Instructor	Diploma in Ci
5	SURVEYING LAB	22	• Electronic Total Station • Vernier Transit Theodolite • Auto Level	45%	Mr. Sudhakar	Assistant Inst	BE in Civil Er
6	ENVIRONMENTAL ENGINEERING LAB	22	• Nepheloturbidimeter • Conductivity Meter • Jar Test Apparatus • BOD Incubator	20%	Ms. Pooja B	Assistant Inst	BE in Civil Er

7	CADD AND SOFTWARE APPLICATION LAB	30	● Computer Machines ● STAAD Pro Software ● AUTO CAD Software ● MS Project	60%	Mr. Ravikiran | Assistant Inst | Diploma in Ci
8	ENGINEERING GEOLOGY LAB	22	● Geological Maps & Models ● Minerals Specimen Sets ● Rocks Specimen Sets	20%	Ms. Pooja B | Assistant Inst | BE in Civil Er
9	BASIC MATERIALS TESTING LAB	22	● Sieve Shaker with Sieve Sets ● Tile Testing Apparatus ● Universal Testing Machine	35%	Mr. Siddanan | Assistant Inst | ITI (Fitter)

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Concrete Material Testing Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board) ● MCB/ELCB Provided for Safety ● Hand Gloves ● Students are instructed to come in khaki uniform and safety shoes for the lab. ● Safety instructions are given before initiating the lab.
2	Fluid Mechanics And Hydraulic Machinery Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board) ● MCB/ELCB Provided for Safety ● Students are instructed to come in khaki uniform and safety shoes for the lab. ● Safety instructions are given before initiating the lab. ● Tank covered with Steel Mesh
3	Geotechnical Engineering Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board) ● MCB/ELCB Provided for Safety ● Hand Gloves ● Students are instructed to come in khaki uniform and safety shoes for the lab. ● Safety instructions are given before initiating the lab.
4	Highway Material Testing Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board) ● MCB/ELCB Provided for Safety ● Hand Gloves ● Students are instructed to come in khaki uniform, mask and safety shoes for the lab. ● Safety instructions are given before initiating the lab. ● Exhaust Fan
5	Surveying Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board) ● Hand Gloves ● Students are instructed to come in khaki uniform, hat and safety shoes for the lab. ● Safety instructions are given before initiating the lab.
6	Environmental Engineering Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board) ● MCB/ELCB Provided for Safety ● Hand Gloves ● Students are instructed to come in uniform and safety shoes for the lab. ● Safety instructions are given before initiating the lab. ● Exhaust Fan
7	CADD and Software Application Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board) ● MCB/ELCB Provided for Safety ● UPS Facility
8	Engineering Geology Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board)
9	Basic Materials Testing Lab	● Fire Extinguisher ● First Aid Box ● Do's & Do Not's (Disseminated in Notice Board) ● MCB/ELCB Provided for Safety ● Students are instructed to come in khaki uniform, mask and safety shoes for the lab. ● Safety instructions are given before initiating the lab. ● Exhaust Fan

D3. Project Laboratory/Research Laboratory

The Department of Civil Engineering has well-equipped **Pr**oject Laboratories, Research Laboratories, Research Centre facilities, and Industry-Supported Laboratories to support experiential learning, research, and innovation. These facilities enable undergraduate projects, Ph.D. research, consultancy, and collaborative research activities. Advanced equipment provides hands-on experience and exposure to real-world engineering applications. The laboratories strengthen industry interaction and promote problem-solving, technical competence, and modern engineering practices. These facilities significantly contribute to the attainment of the Program Outcomes (POs) and Program Specific Outcomes (PSOs).

The following are the details of equipment for Project, Research and industry supported laboratory:

Sr. No.	Name of the Laboratory	Associated Laboratory or Housed in	Name of the Equipment	Utilization	Relevance to POs / PSOs
1	Project Laboratory	Concrete, Building Materials, Geotechnical Engineering, Environmental Engineering, and Fluid Mechanics Laboratory	Concrete Mixer, Weighing Balance, Mould, Cement Autoclave Apparatus, Jaw Crusher, V Funnel, L-Box, U-Box, Merdini Press (Stabilized Mud Block Making Machine), Standard Proctor, Mini Compaction Apparatus, Casagrande Apparatus, Marshall Stability Testing Apparatus, Combined PM10, PM2.5 & Gaseous Sampler, Bitumen Extractor, Accelerated Curing Tank, Hydraulic Flume, Wave Generation Apparatus,	Student Final Year Project and Ph.D. Project	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9,PO10, PO11, PSO1,POS2
2	Research Laboratory	Environmental Lab	Double Beam UV-Vis Spectrophotometer,	Research & Project Work	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9,PO10, PO11, PSO1,POS2
		Research Centre/CADD Lab	Computer System (3+35 Nos)		
		BMS Innovation and Entrepreneurship Park (BICEP)	Incubation workspace, IPR Mentorship desk	Projects	PO5, PO8, PO9, PO11
		AICTE-IDEA Lab	3D Printer	Hands-on workshops and training programs	PO5
		Aarohan Lab	Hardware Prototyping Tools	Projects	PO5, PO8, PO9, PO11
		Advanced Materials Research Lab	FT-IR Spectrometer	Advanced Materials Research	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9,PO10, PO11, PSO1,POS2
			Confocal Video Raman Microscope		
			UV-Visible Spectrometer		
3	Industry Supported Laboratory	Building Facade Laboratory	Models provided by Building Facade Industry	Demonstration	PO1,PO2,PO3, PO5,PO7,PO10, PO11

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)	1080	54	56	62	106
2024-25(CAYm1)	1680	84	58	62	70
2025-26(CAY)	1680	84	63	78	79

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	319776000	255832380	351632000	170718860	113997694	186041113	89945000	91550448
Library	5055000	2851244	6070000	3640749	4605000	3228359	4532000	3213379
Laboratory equipment	81796192	74443407	96617000	88085262	51257723	61008888	50690800	47497027
Teaching and non-teaching staff	615908954	637530806	542549363	521085866	469597121	450306727	406826332	387441789
Outreach Programs	415000	444387	650000	626278	284000	307172	261000	134840
R&D	14665000	11545346	7655000	3139402	3440000	1516634	3700000	692295
Training, Placement and	19219600	16335480	9766300	14142533	6589300	4889773	10860000	9203583
SDGs	18541915	14188960	12100000	11802371	7500000	4552478	7745000	5870052
Entrepreneurship	1300000	1162883	3000000	1242516	3020000	3103215	4150000	1559401
Others, specify	168210433	125383284	130343253	125895933	113449647	104473558	89970342	83460189
Total	**1244888094**	**1139718177**	**1160382916**	**940379770**	**773740485**	**819427917**	**668680474**	**630623003**

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	250000	235000	935000	547282	585000	475000	955000	902668
Software	100000	0	500000	295000	0	0	0	0
SDGs	935000	887000	485000	351550	305000	90494	975000	875000
Support for faculty	410000	131580	85000	45000	16000	11000	150000	105000
R & D	250000	0	250000	188880	110000	107391	400000	314000
Industrial Training, Industry	400000	306451	85000	85000	30695	17000	135000	63000
Miscellaneous Expenses*	1400000	1039700	770000	352411	889000	628725	1015000	826000
Total	**3745000**	**2599731**	**3110000**	**1865123**	**1935695**	**1329610**	**3630000**	**3085668**