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: 11585	**Date of Submission**: 21-02-2026

PART A- Profile of the Institute

A1.Name of the Institute: ECHELON INSTITUTE OF TECHNOLOGY, FARIDABAD	
Year of Establishment : 2007	Location of the Institute: Faridabad
A2. Institute Address:ECHELON INSTITUTE OF TECHNOLOGYVILLAGE-KABULPUR, KHERI-MANJHAWALI ROAD, NEHARPAAR, FARIDABAD-121101	
City:Faridabad	State:Haryana
Pin Code:121101	Website:www.eitfaridabad.com
Email:info@eitfaridabad.com	Phone No(with STD Code):0129-6942135
A3. Name and Address of the Affiliating University (if any):	
Name of the University : MAHARSHI DAYANAND UNIVERSITY ROHTAK	City: Rohtak
State : Haryana	Pin Code: 110078
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: **12**
- 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 of Computer Application	2023	--	Computer Application
2	Engineering & Technology	UG	Civil Engineering	2011	--	Civil Engineering
3	Engineering & Technology	UG	Computer Science and Engineering	2007	--	Computer Science and Engineering
4	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2023	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence and Data Science)	2025	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering

8	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2023	--	Computer Science and Systems Engineering
9	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)	2025	--	Computer Science and Engineering
10	Engineering & Technology	UG	Electronics & Communication Engineering	2007	--	Electronics and Communication Engineering
11	Engineering & Technology	PG	Mechanical Engineering	2012	--	Mechanical Engineering
12	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering
13	Engineering & Technology	UG	Mechatronics Engineering	2024	--	Mechanical Engineering
14	Engineering & Technology	UG	Nano Science & Technology	2025	--	Electronics and Communication Engineering
15	Engineering & Technology	UG	Robotics and Artificial Intelligence	2025	--	Computer Science and Engineering
16	Management	PG	Master of Business Administration	2023	--	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
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)

Allied Department/Cluster Name	Program Name	Program Level
Mechanical Engineering	Mechatronics Engineering	UG

PART-B: Program information

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

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Mechanical Engineering	UG	2009 / --	60	Yes	2023	30	2023	1-36963127656	Applying first time	--	--	0	4

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION

Sanctioned Intake for Last Five Years for the Mechanical Engineering	
Academic Year	**Sanctioned Intake**
2025-26	30
2024-25	30
2023-24	60
2022-23	90
2021-22	90
2020-21	90

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. Sindhu Kumar
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)	30	30	60	90	90	90	90
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	3	8	7	3	19	3	13
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	6	8	5	6	1
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.	3	8	13	11	24	9	14

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	3	0	10.00
2024-25 (CAYm1)	30	8	0	26.67
2023-24 (CAYm2)	60	7	0	11.67

Average [(ER1 + ER2 + ER3) / 3] = 16.11≡ 0.00

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).	24.00	9.00	14.00
B=No. of students who graduated from the program in the stipulated course duration	3.00	2.00	5.00
Success Rate (SR)= (B/A) * 100	12.50	22.22	35.71

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 23.48

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)	5.06	4.92	4.98
Y=Total no. of successful students	8.00	7.00	3.00
Z=Total no. of students appeared in the examination	8.00	7.00	3.00
API [X*(Y/Z)]	5.06	4.92	4.98

Average API[(AP1+AP2+AP3)/3] : 4.99

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)	5.71	4.62	4.21
Y=Total no. of successful students	9.00	10.00	21.00
Z=Total no. of students appeared in the examination	13.00	11.00	24.00
API [X * (Y/Z)]	3.95	4.20	3.68

Average API [(AP1 + AP2 + AP3)/3] : 3.94

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)	5.82	6.02	6.36

Y=Total no. of successful students	6.00	12.00	5.00
Z=Total no. of students appeared in the examination	10.00	21.00	7.00
API [X*(Y/Z)]:	3.49	3.44	4.54

Average API [(AP1 + AP2 + AP3)/3] : 3.82

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	95.00	96.00	91.00
X=No. of students placed	3.00	4.00	5.00
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	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	3.16	4.17	5.49

Average Placement Index = (P_1 + P_2 + P_3)/3: 4.27 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. Ashish Kumar Thakur	XXXXXXX19F	Ph.D	IIT Bombay	Metallurgical Engineering	21/07/2025	0.7	Professor	Professor		Regular	Yes		No
2	Dr. Sindhu Kumar	XXXXXXX98C	Ph.D	CMJ University	Manufacturing Engg.	01/08/2008	17.6	Assistant Professor	Professor	31/07/2025	Regular	Yes		Yes
3	Dr. Jaivir Singh	XXXXXXX84Q	Ph.D	NIT Jalandhar	IPE	22/07/2016	9.6	Assistant Professor	Associate Professor	12/04/2022	Regular	Yes		No
4	Rone Somaddar	XXXXXXX48G	M.Tech	Maharishi Dayanand University, Rohtak	Thermal Engineering	03/03/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Anshuman Agarwal	XXXXXXX40E	M.Tech	Amity University,M.P	MEC & AE	18/07/2017	8.6	Assistant Professor	Assistant Professor		Regular	Yes		No

6	Chander Pal	XXXXXXX88A	M.Tech	Maharishi Dayanand University, Rohtak	Mechanical Engg.	28/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Manish Kumar	XXXXXXX99Q	M.Tech	DCRUST, Murthal	Manufacturing	01/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mohd Irfan Khan	XXXXXXX54B	M.Tech	MVN University, Palwal	Thermal Engineering	21/07/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Niranjan Kumar	XXXXXXX41N	M.Tech	Maharishi Dayanand University, Rohtak	Mechanical Engg.	03/06/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Prathvi Singh	XXXXXXX29F	M.Tech	Maharishi Dayanand University, Rohtak	Machine Design	07/08/2020	5.6	Assistant Professor	Associate Professor	17/11/2020	Regular	Yes		No
11	Ravinder Singh	XXXXXXX44J	M.Tech	Maharishi Dayanand University, Rohtak	Mechanical Engg.	25/07/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Sunder Sharma	XXXXXXX02E	M.Tech	Maharishi Dayanand University, Rohtak	Manufacturing Tech.	04/08/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Vivek Madhav Rao	XXXXXXX02Q	M.Tech	Gautam Buddha University, Noida	Mechanical Engg.	03/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr. Suraj Deo Singh	XXXXXXX66D	Ph.D	Binova Bhave University Hazaribagh	Mechanical Engg.	16/05/2016	9	Professor	Professor		Regular	No	16/05/2025	No
15	Dr. Dev Dutt	XXXXXXX79L	Ph.D	J.C. Bose University of Science and Technology, YMCA Faridabad	Design Engg.	16/08/2023	1.8	Professor	Professor		Regular	No	08/05/2025	No
16	Dr. Rajneesh Kumar Singh	XXXXXXX28H	Ph.D	Madan Mohan Malaviya University of Technology, Gorakhpur	Mechanical Engg.	03/06/2024	0.11	Associate Professor	Associate Professor		Regular	No	12/05/2025	No
17	Vinay Kumar Sharma	XXXXXXX09H	Ph.D	NIT, Jalandhar	Mechanical Engg.	22/07/2024	0.9	Assistant Professor	Assistant Professor		Regular	No	06/05/2025	No

18	Gaurav Kumar Sagar	XXXXXXX23Q	M.Tech	G. B. Pant University of Agriculture and Technology, Pantnagar	Mechanical Engg.	22/08/2022	2.8	Assistant Professor	Assistant Professor		Regular	No	09/05/2025	No
19	Sandeep	XXXXXXX69F	M.Tech	Maharishi Dayanand University, Rohtak	Mechanical Automation	18/07/2017	8.1	Assistant Professor	Assistant Professor		Regular	No	30/08/2025	No
20	Shivam Aggarwal	XXXXXXX33B	M.Tech	J.C. Bose University of Science and Technology, YMCA Faridabad	Mechanical Engg.	27/06/2024	0.10	Assistant Professor	Assistant Professor		Regular	No	09/05/2025	No
21	Umesh Kumar	XXXXXXX80Q	M.Tech	Punjab Technical University	Production Engineering	19/02/2019	6.2	Assistant Professor	Assistant Professor		Regular	No	05/05/2025	No
22	Deepak Vashishta	XXXXXXX08F	M.Tech	J.C. Bose University of Science and Technology, YMCA Faridabad	Mechanical Engg.	03/08/2020	4.9	Assistant Professor	Assistant Professor		Regular	No	08/05/2025	No
23	Jagmail Singh	XXXXXXX08H	M.Tech	Punjab Technical University	Mechanical Engg.	29/12/2018	6.4	Assistant Professor	Associate Professor	04/03/2020	Regular	No	22/05/2025	No
24	Dinesh Kumar	XXXXXXX82M	M.Tech	Maharishi Dayanand University, Rohtak	Mechanical Engg.	15/03/2022	2.2	Assistant Professor	Assistant Professor		Regular	No	14/05/2024	No
25	Rajinder Kumar Handu	XXXXXXX17M	M.Tech	Punjab Technical University	Mechanical Engg.	02/08/2021	2.9	Associate Professor	Associate Professor		Regular	No	14/05/2024	No
26	Rupesh Kumar	XXXXXXX36L	M.Tech	Maharishi Dayanand University, Rohtak	Mechanical Engg.	22/09/2022	1.7	Assistant Professor	Assistant Professor		Regular	No	18/05/2024	No
27	Netarpal	XXXXXXX82B	M.Tech	Maharishi Dayanand University, Rohtak	Mechanical Engg.	10/03/2022	2.2	Assistant Professor	Assistant Professor		Regular	No	10/05/2024	No
28	Ajit	XXXXXXX68F	M.Tech	Lingayas University, Faridabad.	Mechanical Engg.	30/12/2021	2.4	Assistant Professor	Assistant Professor		Regular	No	18/05/2024	No
29	Md. Nausad Khan	XXXXXXX98L	M.Tech	NIT Kurukshetra	Mechanical Engg.	22/10/2021	2.6	Assistant Professor	Assistant Professor		Regular	No	18/05/2024	No

30	Sunil Kumar	XXXXXXX07M	M.Tech	Maharishi Dayanand University, Rohtak	Mechanical Engg.	10/09/2021	2.8	Assistant Professor	Assistant Professor		Regular	No	20/05/2024	No
31	Dr. Dhirendra Pratap Singh	XXXXXXX49C	Ph.D	Madan Mohan Malaviya University of Technology, Gorakhpur	Mechanical Engg.	09/07/2025	0.7	Associate Professor	Associate Professor		Regular	Yes		No
32	Naveen Kumar	XXXXXXX84Q	M.Tech	Maharishi Dayanand University, Rohtak	Manufacturing & Automation	02/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No

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

C2. Student-Faculty Ratio (SFR)

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

No. of UG Programs in the Department1 No. of PG Programs in the Department1

Table No.C2.1: Student-faculty ratio.

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	30	66	99
UG1.C	66	96	91
UG1.D	94	91	94
UG1: Mechanical Engineering	**190**	**253**	**284**
PG1.A	12	12	12
PG1.B	12	12	12
PG1: Mechanical Engineering	**24**	**24**	**24**
DS=Total no. of students in all UG and PG programs in the Department	214	277	308

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
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=** 214	**S2=** 277	**S3=** 308
DF=Total no. of faculty members in the Department	15	16	18
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=** 15	**F2=** 16	**F3=** 18
FF=The faculty members in F who have a 100% teaching load in the first-year courses	3	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 17.83**	**SFR2= 19.79**	**SFR3= 19.25**
Average SFR for 3 years	**SFR= 18.96**		

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)	4	11	10.00	21.00
2024-25(CAYm1)	6	10	13.00	19.23
2023-24(CAYm2)	4	14	15.00	16.00

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	2.00	7.00	11.00
2024-25	1.00	2.00	3.00	3.00	9.00	11.00
2023-24	1.00	2.00	3.00	2.00	10.00	14.00
Average	RF1=1.00	AF1=2.00	RF2=2.67	AF2=2.33	RF2=8.67	AF2=12.00

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	Mr. Rahul Tiwari	Trainer	CodeSquarz	Graphic Designing	30.00
2	Mr. Baldivya Mitra	Trainer	Galgotias University	MATLAB Simulation	25.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Rahul Tiwari	Trainer	CodeSquarz	Automotive Engineering Trends (EV Vehicles)	30.00
2	Mr. Sonu Jha	Trainer	Galgotias University	Industrial Safety & Quality Control	20.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Baldivya Mitra	Trainer	KIET Ghaziabad	Project	35.00
2	Mr. Shailender Kumar	Trainer	MIET Meerut	Soft Skills	20.00

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	21	18	15
2	No. of peer reviewed conference papers published	3	5	2
3	No. of books/book chapters published	2	3	2

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
NA		ME	NA	NA	0	0.00
						Amount received (Rs.):0.00

(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
NA		ME	NA	NA	0	0.00
						Amount received (Rs.):0.00

(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
NA		NA	NA	NA	0	0.00
						Amount received (Rs.):0.00

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

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

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. Jaiveer Singh		Mechanical Engineering	Assessing materials analysis and failure issues	AMIT ENGINEERING	6 months	300000.00
Dr. Jaiveer Singh		Mechanical Engineering	PTFE TUBE EXTRSION MACHINE PRODUCTION & OPTIMISATION	Yash Dynamics	8	280000.00
						Amount received (Rs.):580000.00

(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
						0.00
						Amount received (Rs.):0.00

(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
						0.00
						Amount received (Rs.):0.00

Total amount (Lacs) received for the past 3 years: 580000.00

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. SINDHU KUMAR	RESEARCH GRANT	2 MONTH	38000.00	32750.00	RESEARCH
RONE SOMADDER	RESEARCH ANALYSIS	2 MONTH	35000.00	31500.00	RESEARCH
MANISH KUMAR	RESEARCH PROJECT	2.5 MONTH	37000.00	35500.00	RESEARCH
			Amount received (Rs.): 110000.00		

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years : 110000.00

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	SOM Lab	30	All relevant machines as per curriculum	8	Mr. Naresh kumar	Lab Instructor	Diploma
2	FM Lab	30	All relevant machines as per curriculum	8	Mr. Naresh kumar	Lab Instructor	Diploma
3	Thermal Lab-1	30	All relevant machines as per curriculum	8	Mr. Ajay Vashisht	Lab Instructor	B.Tech
4	KOM Lab	30	All relevant machines as per curriculum	8	Mr. Kalyan Singh	Lab Instructor	Diploma
5	DOM Lab	30	All relevant machines as per curriculum	8	Mr. Ranbir Singh	Lab Instructor	Diploma

6	CAD/CAM Lab	30	All relevant machines as per curriculum	8	Mr. Praveen Bhardwaj	Lab Assistant	B.Tech
7	Material Engineering Lab	30	All relevant machines as per curriculum	8	Mr. Akhilesh	Lab Instructor	B.Tech
8	Thermal lab-2	30	All relevant machines as per curriculum	8	Mr. Ajay Vashisht	Lab Instructor	B.Tech
9	Workshop	30	All relevant machines as per curriculum	8	Mr. Naresh kumar	Lab Instructor	Diploma

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	SOM Lab (Strength of Materials Lab)	Proper guarding of UTM & torsion machines; safety goggles during testing; trained faculty supervision; safe load limits displayed; emergency stop switches; first-aid kit available.
2	FM Lab (Fluid Mechanics Lab)	Dry floor and anti-slip mats; proper earthing of pumps; leak-proof pipe connections; safe motor operation training; electrical panel lock; PPE like gloves if required.
3	Thermal Lab-1 (RAC / Heat Transfer Lab)	Fire extinguisher near boiler & compressor units; insulated hot surfaces; proper ventilation; refrigerant leak check; emergency shut-off valves; temperature warning signs.
4	KOM Lab (Kinematics of Machines Lab)	Guarding of rotating parts; secure mounting of models; no loose clothing rule; switch-off after use; faculty supervision during operation.
5	DOM Lab (Dynamics of Machines Lab)	Safety shields for rotating systems; vibration test precautions; proper balancing before operation; ear protection if noise present; emergency stop buttons.
6	CAD/CAM Lab	Proper electrical wiring and earthing; ergonomic seating; UPS backup; fire extinguisher; safe computer usage policy; ventilation & lighting arrangement.
7	Material Engineering Lab	PPE (gloves, goggles) for hardness & impact testing; safe handling of specimens; proper storage of chemicals; furnace insulation & warning signs; fire extinguisher available.

8	Thermal Lab-2 (IC Engines / HMT Lab)	Exhaust ventilation for engines; fuel storage safety; fire extinguisher near fuel area; hot surface warning labels; trained operation procedure displayed.
9	Workshop (Fitting, Carpentry, Welding, Machine Shop)	Mandatory PPE (helmet, gloves, apron, shoes); machine guards; welding shields; fire extinguishers; emergency stop switches; tool inspection before use; safety instructions chart displayed.

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)	360	18	21	7	101
2024-25(CAYm1)	510	26	25	8	83
2025-26(CAY)	840	42	33	15	70

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	2000000.00	1793658.00	3000000.00	2284908.00	8000000.00	7317719.00	1000000.00	429516.00
Library	500000.00	331279.00	600000.00	671992.00	700000.00	623303.00	450000.00	390401.00
Laboratory equipment	12000000.00	10514546.00	11000000.00	9189928.00	3750000.00	4331358.28	2500000.00	1371778.00
Teaching and non-teaching staff salary	100000000.00	82435408.00	100000000.00	92607586.00	70000000.00	73203390.00	70000000.00	56490538.00
Outreach Programs	3000000.00	2242470.00	400000.00	315000.00	300000.00	257000.00	300000.00	192060.00

R&D	1500000.00	1340111.00	300000.00	282946.00	650000.00	605140.00	350000.00	66281.00
Training, Placement and Industry linkage	6000000.00	4866085.00	4000000.00	4495152.00	3000000.00	2751634.00	2000000.00	1501230.00
SDGs	250000.00	197569.00	200000.00	119382.00	300000.00	249000.00	300000.00	110150.00
Entrepreneurship	100000.00	84691.00	100000.00	60000.00	100000.00	70000.00	200000.00	92740.00
Others, specify	100000000.00	68934670.57	61300000.00	69478085.00	57800000.00	62215418.8	52200000.00	52204934.00
Total	**225350000.00**	**172740487.57**	**180900000.00**	**179504979.00**	**144600000.00**	**151623963.08**	**129300000.00**	**112849628.00**

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	1000000.00	839808.00	700000.00	589525.00	200000.00	146310.00	200000.00	186423.00
Software	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDGs	100000.00	59270.00	50000.00	36800.00	100000.00	75400.00	40000.00	32250.00
Support for faculty development	300000.00	268022.00	40000.00	8200.00	50000.00	31000.00	20000.00	7000.00
R & D	500000.00	335028.00	20000.00	5916.00	30000.00	20620.00	20000.00	6200.00
Industrial Training, Industry expert, Internship	200000.00	150000.00	200000.00	113824.00	200000.00	150316.00	100000.00	91000.00
Miscellaneous Expenses*	7500000.00	6374942.00	7500000.00	7087410.00	8000000.00	7569445.00	7000000.00	6655262.00
Total	**9600000.00**	**8027070.00**	**8510000.00**	**7841675.00**	**8580000.00**	**7993091.00**	**7380000.00**	**6978135.00**