

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Agricultural Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 11644	Date of Submission: 18-03-2026

PART A- Profile of the Institute

A1.Name of the Institute: EASA COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2008	Location of the Institute: Coimbatore
A2. Institute Address: NH - 47, Palakkad Main Rd, Navakkarai P.O, Kandhe Gounden Chavadi, Tamil Nadu 641105	
City:Coimbatore	State:Tamil Nadu
Pin Code:641105	Website:www.easacollege.com
Email:dean.qa@ecetonline.com	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIVERSITY	City: Chennai
State : Tamil Nadu	Pin Code: 641105
A4. Type of the Institution: Autonomous CAY(2024-25)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **10**
- 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	Agricultural Engineering	2020	--	Agricultural Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	UG	Biomedical Engineering	2024	--	Biomedical Engineering
4	Engineering & Technology	PG	Communication Systems	2012	--	Electronics and Communication Engineering
5	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering	2008	--	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2024	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
8	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2022	--	Computer Science and Engineering (Cyber Security)
9	Engineering & Technology	PG	Construction Engineering & Management	2014	--	Civil Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	2024	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electronics & Communication Engineering	2008	--	Electronics and Communication Engineering
12	Engineering & Technology	UG	Information Technology	2017	--	Information Technology
13	Engineering & Technology	PG	Manufacturing Engineering	2014	--	Mechanical Engineering
14	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering

15	Engineering & Technology	PG	Power Electronics and Drives	2012	--	Electrical and Electronics Engineering
16	Engineering & Technology	PG	Structural Engineering	2013	--	Civil Engineering
17	Management	PG	Master of Business Administration	2009	--	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
Agricultural Engineering	No	Agricultural 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 A DETAILS
1	Agricultural Engineering	UG	2020 / --	60	No	NA	60	2020	F.No. Southern/44641555490/2 dated 03-Jan-20

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. Sunila George
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	0
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	34	22	43	56	43	28	0
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	0	1	1	1	0
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.	34	22	43	57	44	29	0
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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	34	0	56.67
2024-25 (CAYm1)	60	22	0	36.67
2023-24 (CAYm2)	60	43	0	71.67

Average [(ER1 + ER2 + ER3) / 3] = 55.00= 8.00

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).	61.00	61.00	0.00
B=No. of students who graduated from the program in the stipulated course duration	29.00	27.00	0.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 45.90

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)	8.30	7.60	7.50
Y=Total no. of successful students	19.00	28.00	53.00
Z=Total no. of students appeared in the examination	22.00	43.00	56.00
API [X*(Y/Z)]	7.17	4.95	7.10

Average API[(AP1+AP2+AP3)/3] : 6.41

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	7.70	7.50	7.30
Y=Total no. of successful students	25.00	51.00	33.00
Z=Total no. of students appeared in the examination	28.00	55.00	38.00
API [X * (Y/Z)]	6.88	6.95	6.34

Average API [(AP1 + AP2 + AP3)/3] : 6.72

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)	8.48	9.20	7.52
Y=Total no. of successful students	47.00	29.00	27.00
Z=Total no. of students appeared in the examination	51.00	33.00	29.00
API [X*(Y/Z)]:	7.81	8.08	7.00

Average API [(AP1 + AP2 + AP3)/3] : 7.63

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)
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FS*=Total no. of final year students	61.00	61.00	0.00
X=No. of students placed	25.00	22.00	0.00
Y=No. of students admitted to higher studies	0.00	2.00	0.00
Z= No. of students taking up entrepreneurship	0.00	1.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	40.98	40.98	0.00

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 40.98 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)
1	Dr. Sunila George	XXXXXXX90B	Ph.D	ANNA UNIVERSITY	Structural Engineering	10/09/2014	11.5	Professor	Professor	10/09/2014	Regular
2	Dr.AS. Goveathan	XXXXXXX10E	Ph.D	TamilNadu Agricultural University	Environmental Science	24/08/2022	3.6	Associate Professor	Associate Professor	24/08/2022	Regular
3	Dr.K.Rajaprian	XXXXXXX15F	Ph.D	ANNAMALAI UNIVERSITY	Applied Geology	16/07/2018	7.7	Assistant Professor	Associate Professor	16/07/2018	Regular
4	Dr.A.Pavithra	XXXXXXX08R	Ph.D	TamilNadu Agricultural University	Soil Science and Agricultural Chemistry	22/11/2024	1.3	Assistant Professor	Assistant Professor		Regular
5	Mr.P.GokulDeepan	XXXXXXX95H	M.E.	ANNA UNIVERSITY	Structural Engineering	23/06/2015	10.8	Assistant Professor	Assistant Professor		Regular
6	Mr.P. Madhan	XXXXXXX18P	M.E.	ANNA UNIVERSITY	Structural Engineering	10/07/2024	1.7	Assistant Professor	Assistant Professor		Regular
7	Mr.Adarsh Ajayan	XXXXXXX40N	M.Tech	APJ Abdul Kalam University	Advanced Manufacturing	01/08/2024	1.6	Assistant Professor	Assistant Professor		Regular
8	Dr.J.Robinson	XXXXXXX95D	Ph.D	ANNA UNIVERSITY	Structural Engineering	02/01/2025	1.1	Assistant Professor	Assistant Professor		Regular
9	Mr.N.Vinoth Kumar	XXXXXXX50A	M.E.	ANNA UNIVERSITY	Structural Engineering	04/04/2022	3.10	Assistant Professor	Assistant Professor		Regular
10	Dr. C Meenambigai	XXXXXXX73F	Ph.D	TamilNadu Agricultural University	Entomology	25/07/2023	1.8	Assistant Professor	Assistant Professor		Regular
11	Dr.M.Vishnu Priya	XXXXXXX56J	Ph.D	ANNA UNIVERSITY	Environmental Science	04/08/2022	2.8	Assistant Professor	Assistant Professor		Regular
12	Mr.L.Kathirvel	XXXXXXX70H	M.Tech	TamilNadu Agricultural University	Soil and Water Conservation Engineering	03/05/2022	3.3	Assistant Professor	Assistant Professor		Regular
13	Mr.Devappa	XXXXXXX21M	M.Tech	University of Agricultural Science	Soil and Water Engineering	02/05/2022	3.2	Assistant Professor	Assistant Professor		Regular
14	Dr.Siva kumar	XXXXXXX57F	Ph.D	ANNA UNIVERSITY	Structural Engineering	08/08/2022	1.9	Assistant Professor	Assistant Professor		Regular
15	Mr.P.Nandhavarman	XXXXXXX13A	M.Tech	ANNA UNIVERSITY	Food Process Engineering	03/02/2025	1	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	60	60	61
UG1.C	60	60	61
UG1.D	60	60	60
UG1: Agricultural Engineering	180	180	182
UG2.B			
UG2.C			
UG2.D			
UG2: Information Technology			
UG3.B			
UG3.C			
UG3.D			
UG3: Computer Science and Engineering (Cyber Security)			
UG4.B			
UG4.C			
UG4.D			
UG4: Computer Science and Engineering (Artificial Intelligence & Machine Learning)			
UG5.B			
UG5.C			
UG5.D			
UG5: Computer Science and Engineering			
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Computer Science and Engineering	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	180	180	182
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= 180	S2= 180	S3= 182
DF=Total no. of faculty members in the Department	10	10	10
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= 10	F2= 10	F3= 10
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 18.00	SFR2= 18.00	SFR3= 20.22
Average SFR for 3 years	SFR= 18.74		

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	$FQ = 2.5 \times [(10X + 4Y) / RF]]$
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2025-26(CAY)	5	5	9.00	19.44
2024-25(CAYm1)	4	6	9.00	17.78
2023-24(CAYm2)	5	5	9.00	19.44

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 \times \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	1.00	2.00	2.00	6.00	7.00
2024-25	1.00	1.00	2.00	2.00	6.00	7.00
2023-24	1.00	1.00	2.00	2.00	6.00	7.00
Average	RF1=1.00	AF1=1.00	RF2=2.00	AF2=2.00	RF2=6.00	AF2=7.00

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. Abdul Kalam	Managing Director	Valam Agri Sevice	Bioenergy and Biomass Utilization	50.00
2	Mr Selvakumar C	Manager	Irrigation division, Salem	Micro-Irrigation Components, Installation and BIS Standards	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr Srinivasasn	Deputy Manager	Koramandal Nanotechnology Center	Hydroponics and Vertical Farming	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr Ranghaswami MV	Retierd professor & Dean	Tamil Nadu Agricultural University	Protected Cultivation and technology	50.00

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	12	4	13
2	No. of peer reviewed conference papers published	1	1	0
3	No. of books/book chapters published	4	1	0

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
Mr Gokuldeepan P	Mr Dhanarasu C	Agricultural Engineering	Design and Optimization of pyrolysis unit for Rice husk and Biochar Production	Sharp Garuda Farm Machineries	6 Months	1.40
Mr Nandhavarman	Mr Kathirvel L	Agricultural Engineering	Design of Low-Cost Hydroponic Nutrient Delivery System	Greenzy	1 year	5.50
						Amount received (Rs.):6.90

(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 Vishnu priya M	Mr Karthick raja M	Agricultural Engineering	Construction of High efficiency bioformulation with the consortia of Bacillus specius, Psedumoniuss Specius and Risobium for the Agricultural Disease management	DOGMA Centre for Life Sciences	10 Months	4.00
						Amount received (Rs.):4.00

(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
Dr AS Goventhan	Ms Vishalini	Agricultural Engineering	Zero Energy Chamber	Ramkumar Industries	10 Months	4.50
						Amount received (Rs.):4.50

Total Amount (Lacs) Received for the Past 3 Years: 15.40

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
Madhan P	Vinoth Kumar	Agricultural Department	Design for Two Storey Buildings	SID Constructions	2 months	0.90
Gokuldeepan P	Mr.Vetrivel	Agricultural department	Chemical Test	Maayon Industries	2 months	1.35
						Amount received (Rs.):2.25

(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 Robinson	Vinoth kumar	Agricultural Engineering	Design and Elevation for Two Storey building	SID Constructions	3 Months	2.56
Gokuldeepan P	Dr. Goveanthan	Agricultural department	Smart Irrigation Scheduling for Water Conservation	Dams Irrigation	2 month	2.37
						Amount received (Rs.):4.93

(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 Sunila George	Mr Vinoth Kumar	Agricultural Engineering	Design of Five Storey Building	Dejavu	6 Months	5.40
Mr Kathirvel L	Mr Gokuldeepan	Agricultural Engineering	Protected Cultivation	Greenzy	6 Months	2.49
						Amount received (Rs.):7.89

Total amount (Lacs) received for the past 3 years: 15.07

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
Mr.P.Nandhavarman	Smart Agriculture Sensor Network for Soil Health Monitoring	3 Months	0.90	0.90	working models/prototypes
Mrs Meenambigai	Remote Sensing technology for Pest and Disease Reduction	4 Months	0.55	0.55	working models/prototypes
			Amount received (Rs.): 1.45		

(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
Mr Vinoth Kumar	Energy Efficient Farm House Design and Construction	4 Months	0.98	0.98	working models/prototypes
Dr Vishnu Priya	Automated Mushroom Environmental Control System	4 Months	1.50	1.50	working models/prototypes
			Amount received (Rs.): 2.48		

(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
Mr. Kathirvel L	Solar Powered Automatic Seed Sower	5 MOonths	0.95	0.95	working models/prototypes
Mr P Gokul deepan	Pervious Concrete Channels for Field irrigation	4 Months	1.20	1.20	working models/prototypes
			Amount received (Rs.): 2.15		

Total amount (Lacs) received for the past 3 years : 6.08

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	Strength of Materials Laboratory	30	Universal Testing Machine , Torsion Testing Machine, Compression	4 Hours	Sindhuja TS	Lab Technicia	B Tech Agric

2	Fluid mechanics Lab	30	Turbines, Gear Pumps	4 Hours	Sindhuj TS	Lab Technici	B Tech Agric
3	Surveying and levelling Laboratory	30	Theodolite and Dumpy Level, Total Station	4 Hours	Sindhuj TS	Lab Technici	B Tech Agric
4	Soil Science laboratory	30	Core cutter, Liquid Limit apparatus,	4 Hours	Indhu param	Lab Technici	Bsc., Msc in /
5	Farm Machinery Laboratory	30	Power Tiller, Tractor, Cultivator	4 Hours	Sindhuj TS	Lab Technici	B Tech Agric
6	Irrigation Field Laboratory	30	Open Pan Evaporimeter, Sunshine Recorder	4 Hours	Indhu param	Lab Technici	Bsc., Msc in /
7	CADD Laboratory	30	30 Numbers of I5 Configuration system and Printer	4 Hours	Nazer	System Admi	BCA
8	Post-Harvest Technology Laboratory	30	Groundnut Decorticator, Paddy thresher, Rubber Roll sheller	4 Hours	Indhu param	Lab Technici	Bsc., Msc in /
9	Remote Sensing and GIS Laboratory	30	Parallex bar, mirror Stereoscope	4 Hours	Indhu param	Lab Technici	Bsc., Msc in /

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Strength of Materials Lab	• Always wear safety shoes and a lab coat while working • Use testing machines carefully and follow the instructions given • Do not apply more load than the specimen can handle • Keep your hands away from moving parts during operation • Make sure the equipment is in proper working condition before use
2	Fluid Mechanics Lab	• Be careful with water around electrical equipment • Check that all pipes and valves are properly connected • Operate pumps only with guidance or supervision • Turn off all equipment after completing the experiment • Keep the floor dry to avoid slipping accidents
3	Surveying and Levelling Lab	• Handle instruments like theodolite and level with care • Set up the tripod properly to ensure stability • Avoid standing too long in direct sunlight; take precautions • Be alert while working on roads or uneven ground • Store all instruments safely after use
4	Soil Science Laboratory	• Wear gloves and a mask while handling soil samples • Avoid breathing in dust from dry soil • Label all samples and chemicals clearly • Clean all equipment after use • Wash your hands thoroughly once the work is done
5	Farm Machinery Laboratory	• Use machines only after proper instruction or training • Wear safety shoes and avoid loose clothing • Maintain a safe distance from moving parts • Switch off machines before cleaning or repair • Follow all safety instructions provided for each machine
6	Irrigation Field Laboratory	• Be careful when working near water channels and wet areas • Avoid using electrical equipment near water • Wear suitable footwear for field conditions • Stay protected from heat by drinking water and wearing a cap • Handle field tools and instruments carefully
7	CAD lab (Computer lab 2)	• Handle computers and accessories with care • Do not change system settings or install software without permission • Follow basic electrical safety rules
8	Post-harvest Technology lab	• Use all equipment carefully and as instructed • Keep the lab clean to avoid contamination • Wear gloves and maintain personal hygiene • Store materials and samples properly • Dispose of waste in the correct manner
9	Remote Sensing and GIS Lab	• Use computers and software responsibly • Take breaks to avoid eye strain • Save and back up your work regularly • Do not install unauthorized software • Ensure proper handling of electrical equipment

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 (RF=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 (RF)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF
2023-24(CAYm2)	420	21	21	4	84
2024-25(CAYm1)	600	30	22	4	61
2025-26(CAY)	600	30	26	5	73

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	15332535	13689763	7566990	6879082	4848530	617648	4965506	4916343
Library	92236	82354	58264	52967	212205	202100	211503	209409
Laboratory equipment	6764933	6040119	6884790	6258900	8239238	7846893	7299121	7226852
Teaching and non-teaching staff	72806160	65005500	56224923	51113566	39576747	37692140	30123288	29825038
Outreach Programs	1071840	957000	1029160	935600	1025866	977015	996896	987026
R&D	4004280	3575250	3853894	3503540	3838604	3655813	3287803	3255250
Training, Placement and	3311616	2956800	3596362	3269420	3598119	3426780	2077368	2056800
SDGs	2217600	1980000	2855600	2596000	2812520	2678590	1272600	1260000
Entrepreneurship	511728	456900	536720	487927	523452	498526	461469	456900
Others, specify	43299054	38659870	38276150	4796500	53668096	51112472	19250469	19059870
Total	149411982	133403556	120882853	79893502	118343377	108707977	69946023	69253488

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	575000	565800	456000	478520	523000	524590	456000	457800
Software	50000	0	150000	0	50000	0	50000	0
SDGs	50000	52000	15000	15230	20000	19875	10000	11250
Support for faculty development	42000	43500	35000	38500	32000	35690	18000	19500
R & D	400000	390000	355000	350000	300000	280000	300000	340000

Industrial Training, Industry expert,	25000	28000	20000	21000	15000	17500	12000	16800
Miscellaneous Expenses*	45000	44890	38000	36750	34500	32690	25000	28750
Total	1187000	1124190	1069000	940000	974500	910345	871000	874100