GITA Autonomous College, Bhubaneswar

SELF ASSESSMENT REPORT(TIER - I) FOR Computer Science and Engineering

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Part A : Institutional Information

1 Name and Address of the Institution

....

2 Name and Address of Affiliating University

....

3 Year of establishment of the Institution:

....

4 Type of the Institution:

- ○ Institute of National Infortance
- ○ University
- ○ Deemed University
- ○ Autonomous
- ○ Any other(please specify)

5 Ownership Status:

- ○ Central Government
- ○ State Government
- ○ Government Aided
- ○ Self financing
- ☐ Trust
- ☐ Society
- ☐ Section 25 Company
- ☐ Any Other(Please Specify)

6 Other Academic Institutions of the Trust/Society/Company etc., if any

Name of Institutions	Year of Establishment	Programs of Study	Location

7 Details of all the programs being offered by the Institution under consideration:

....

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Civil Engineering
2	Under Graduate	Engineering & Technology	Electrical Engineering
3	Under Graduate	Engineering & Technology	Electronics & Communication Engineering
4	Under Graduate	Engineering & Technology	Mechanical Engineering
5	Under Graduate	Engineering & Technology	Computer Science and Engineering

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)						
Faculty in Engineering (Female)						
Faculty in Maths, Science & Humanities teaching in engineering program (Male)						
Faculty in Maths, Science & Humanities teaching in engineering program (Female)						
Non-teaching staff (Male)						
Non-teaching staff (Female)						

B. Contractual* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)						
Faculty in Engineering (Female)						
Faculty in Maths, Science & Humanities teaching in engineering Programs (Male)						
Faculty in Maths, Science & Humanities teaching in engineering Programs (Female)						
Non-teaching staff (Male)						
Non-teaching staff (Female)						

10 Total number of Engineering students:

	Shift1	Shift2
Engineering and Technology- UG	☐	☐
Engineering and Technology- PG	☐	☐
Engineering and Technology- Polytechnic	☐	☐
MBA	☐	☐
MCA	☐	☐

11 Vision of the Institution:

12 Mission of the Institution:

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution

Name	Enter Full Name
Designation	Designation
Mobile No.	10- digit Mobile No.
Email ID	E-Mail

☐ **NBA Coordinator, If Designated**

PART B: Criteria Summary

Part B : Criteria Summary

Total Marks 50.00

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

Total Marks 5.00

Institute Marks :

1.1 State the Vision and Mission of the Department and Institute (5)

Vision of the institute	To foster prosperity through technological advancement by promoting education, innovation, and collaborative research, and to emerge as a globally renowned premier technical institution.
Mission of the institute	1. To impart high quality professional education to students worldwide, fostering innovation, technological advancement, discipline, effective communication skills, and strong moral values. 2. To provide a broad-based education that ensures the holistic development of students. 3. To leverage expertise in science, technology, and management to deliver comprehensive training in visualizing, synthesizing, and executing projects. 4. To nurture a spirit of entrepreneurship and innovation among students. 5. To undertake sponsored research and offer consultancy services in industrial, educational, and other relevant domains. 6. To promote healthy practices such as community service, outreach initiatives, and innovative projects for societal benefit.
Vision of the Department	

Mission of the Department	Mission No.	Mission Statements
	M1	

1.2 State the Program Educational Objectives (PEOs) (5)

Total Marks 5.00

PEO No.	Program Educational Objectives Statements
PEO1	

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (15)

Total Marks 15.00

Institute Marks :

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (15)

Total Marks 15.00

Institute Marks :

1.5 Establish consistency of PEOs with Mission of the Department (10)

Total Marks 10.00

Institute Marks :

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (100)

Total Marks 100.00

2.1 Program Curriculum (30)

Total Marks 30.00

2.1.1 State the process for designing the program curriculum (10)

2.1.2 Structure of the Curriculum (5)

ID	Course Code	Course Title	Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	Theory Credits	Practical Credits	Total Credits
1									
		Total	0	0	0	0	0	0	0

2.1.3 State the components of the curriculum (5)

Course Components	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits
Basic Sciences			
Engineering Sciences			
Humanities and Social Scie			
Program Core			
Program Electives			
Open Electives			
Project(s)			
Internships/Seminars			
Any other (Please specify)			
Total number of Credits			0

2.1.4 State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexure I (10)

2.2 Teaching-Learning Processes (70)

2.2.1 Describe Processes followed to improve quality of Teaching & Learning (15)

Institute Marks :

2.2.2 Quality of end semester examination, internal semester question papers, assignments and evaluation (15)

Institute Marks :

2.2.3 Quality of student projects (20)

Institute Marks :

2.2.4 Initiatives related to industry interaction (10)

Institute Marks :

2.2.5 Initiatives related to industry internship/summer training (10)

Institute Marks :

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (175)

Total Marks 175.00

Define the Program specific outcomes

:

PSO1

3.1 Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (25)

Total Marks 25.00

No. of Core Courses : 6

C2 : 2

C3 : 2

C4 : 2

Note : Number of Outcomes for a Course is expected to be around 6.

Course Articulation Matrix

1 . course name : C201

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

2 . course name : C202

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

3 . course name : C301

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

4 . course name : C302

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

5 . course name : C401

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

6 . course name : C402

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

1 . Course Name : C201

Course

2 . Course Name : C202

Course

3 . Course Name : C301

Course

4 . Course Name : C302

Course

5 . Course Name : C401

Course

6 . Course Name : C402

Course

. :

Program Articulation Matrix

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
xxxx	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

Course
xxxx

3.2 Attainment of Course Outcomes (75) Total Marks 75.00

3.2.1 Describe the assessment tools and processes used to gather the data upon which the evaluation of Course Outcome is based (10) Institute Marks :

3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (65) Institute Marks :

3.3 Attainment of Program Outcomes and Program Specific Outcomes (75) Total Marks 75.00

3.3.1 Describe assessment tools and processes used for measuring the attainment of each Program Outcome and Program Specific Outcomes (10) Institute Marks :

3.3.2 Provide results of evaluation of each PO & PSO (65) Institute Marks :

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
xxxxx	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

PO Attainment Indirect

No record exist(s)

PSO Attainment

Course
Cxxx

PSO Attainment Indirect

No record exist(s)

4 STUDENTS' PERFORMANCE (100) Total Marks 94.92

Institute Marks :

4.1 Enrolment Ratio (20) Total Marks 20.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)			
2023-24 (CAYm1)			
2022-23 (CAYm2)			

Average [(ER1 + ER2 + ER3) / 3] :

Assessment :

4.2 Success Rate in the stipulated period of the program (20)

Total Marks 18.45

4.2.1 Success rate without backlogs in any semester / year of study (15)

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)	Latest Year of Graduation minus 2 LYGm2 (2018-19)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable			
Y Number of students who have graduated without backlogs in the stipulated period			
Success Index(SI = Y/X)			

Average SI [(SI1 + SI2 + SI3) / 3] :

Assessment [15 * Average SI] :

4.2.2 Sucess rate in stipulated period (5)

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)	Latest Year of Graduation minus 2 LYGm2 (2018-19)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable			
Y Number of students who have graduated in the stipulated period			
Success Index(SI = Y/X)			

Average SI[(SI1 + SI2 + SI3) / 3]:

Assessment [5 * Average SI] :

Note : If 100% students clear without any backlog then also total marks scored will be 20 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.3 Academic Performance in Second Year (10)

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students (X)			
Total number of successful students (Y)			
Total number of students appeared in the examination (Z)			

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

Assessment [AverageAPI] :

Total Marks 28.20

Institute Marks :

4.4 Placement, Higher Studies and Entrepreneurship (30)

Item	CAYm1(2023-24)	CAYm2(2022-23)	CAYm3(2021-22)
Total No of Final Year Students(N)			
No of students placed in the companies or goverment sector(X)			
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)			
No of students turned entrepreneur in engineering/technology (Z)			

Average Placement [(P1 + P2 + P3)/3] :

Assessment [30 * Average Placement] :

Program Name :
Assessment Year : 2023-24 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1				

Assessment Year : 2022-23 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1				

Assessment Year : 2021-22 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1				

4.5 Professional Activities (20)

Total Marks 20.00

4.5.1 Professional societies/chapters and organizing engineering events (5)   Institute Marks :

4.5.2 Publication of technical magazines, newsletters, etc. (5)   Institute Marks :

4.5.3 Participation in inter-institute events by students of the program of study (10)   Institute Marks :

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)   Total Marks 196.88

Sr. No	Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof / Assoc. Prof.)	Initial Date of Joining	Association Type	At present working with the Institution (Yes / No)	Date of Leaving	IS HOD?
1	TARINI PRASAD PANIGRAHY	AOVPP9620A	ME/M. Tech and PhD	12/06/2015	SOA, Software Agent	13	02	0	Professor	12/01/2016	01/06/2005	Regular	Yes		Yes
2	PRASANTA KUMAR BAL	AIDPB2041H	ME/M. Tech and PhD	13/08/2014	Computer Security , Data Science	11	05	0	Professor	20/08/2021	16/01/2008	Regular	Yes		No
3	BIJAYA KUMAR PANDA	AOVPP9619R	ME/M. Tech and PhD	16/07/2015	ANN , Computer Security	8	0	0	Professor	25/06/2020	01/04/2005	Regular	Yes		No
4	CHANDRAKANT MALLICK	ATPPM0650A	ME/M. Tech and PhD	05/10/2020	Machine Learning, Data science	9	0	0	Professor	01/07/2023	01/07/2023	Regular	Yes		No
5	MAMATA RATH	ANQPR1681P	ME/M. Tech and PhD	22/11/2017	Machine Learning, Data Science	10	1	0	Professor	01/02/2022	01/02/2022	Regular	Yes		No
6	ARUP KUMAR MOHANTY	ATOPM6514A	ME/M. Tech and PhD	01/06/2021	machine learning, Artificial intelligence	6	1	0	Professor	01/07/2023	01/07/2023	Regular	Yes		No
7	REKHANJALI SAHOO	CGNPS9632M	ME/M. Tech and PhD	04/07/2023	Artificial intelligence, automata, image processing	11	0	0	Associate Professor	04/07/2023	01/01/2022	Regular	Yes		No
8	TARINI PATTANAIK	APXPP4683C	ME/M. Tech and PhD	05/06/2023	data science, machine learning, cloud computing	5	0	0	Associate Professor	01/07/2023	01/07/2023	Regular	Yes		No
9	GHANASHYAM SAHOO	BLYPS9009P	ME/M. Tech and PhD	04/10/2021	web technology, object oriented systems	3	0	0	Associate Professor	01/09/2021	01/08/2019	Regular	Yes		No
10	PRITI PRIYADARSHINI PRADHAN	BABPP8764N	ME/M. Tech and PhD	01/11/2022	cloud computing, machine learning	5	0	0	Associate Professor	01/07/2023	01/07/2023	Regular	Yes		No
11	DEBASISH PRADHAN	BBBPP1626G	ME/M. Tech and PhD	15/12/2022	Object oriented systems	9	0	0	Associate Professor	01/07/2023	01/07/2023	Regular	Yes		No

Sr No	Name	PAN	Qualification	Date	Specialization	Exp			Designation	Date	Date	Type	Yes	No
12	MANOJ KUMAR SAHU	BRUPS8018N	ME/M. Tech and PhD	05/07/2022	Theory of Computation , Compiler	7	0	0	Associate Professor	15/07/2022	20/07/2009	Regular	Yes	No
13	VIKAS SINGH	AZJPS5360D	ME/M. Tech and PhD	16/11/2016	OBJECT ORIENTED programming, cloud computing, machine learning	5	0	0	Associate Professor	05/01/2017	05/02/2007	Regular	Yes	No
14	BIJAYKISHOR SEKHAR PATTANAIK	ATEPP9872G	ME/M. Tech and PhD	02/06/2014	E-commerce , Web technology	5	0	0	Associate Professor	16/06/2014	09/01/2008	Regular	Yes	No
15	BIJAYALAXMI PANDA	BHJPP6791G	ME/M. Tech and PhD	03/01/2022	Machine Learning, Data science	8	0	0	Associate Professor	12/01/2022	12/01/2022	Regular	Yes	No
16	SUREN KUMAR SAHU	CPFPS3280E	ME/M. Tech and PhD	04/03/2022	Machine Learning, Data science	6	0	0	Associate Professor	01/07/2023	01/07/2023	Regular	Yes	No
17	SASWATI SAHOO	BLJPS3628H	ME/M. Tech and PhD	30/06/2022	cloud computing, machine learning	6	0	0	Associate Professor	15/07/2022	15/06/2022	Regular	Yes	No
18	SUSHREE SANGITA JENA	AHOPJ7077P	ME/M. Tech and PhD	03/07/2023	ai, ml, automata	3	0	0	Assistant Professor		07/01/2022	Regular	Yes	No
19	PRAHALLAD SAHOO	AVKPS3712N	ME/M. Tech and PhD	01/06/2018	Database , Web Technology , Software Engineering	5	0	0	Associate Professor	18/06/2018	29/10/2012	Regular	Yes	No
20	SESHA SUJANA JYOTHI PADALA	BGQPP2887P	ME/M. Tech and PhD	12/12/2023	automata, discrete structure	6	0	0	Assistant Professor		03/01/2024	Regular	Yes	No
21	JAYANTA KUMAR MISHRA	AWSPM1079P	ME/M. Tech and PhD	03/01/2024	data science, machine learning, cloud computing	3	0	0	Assistant Professor		07/04/2017	Regular	Yes	No
22	PARIKESH DHAL	EBYPD0565E	ME/M. Tech and PhD	05/07/2023	computer network	5	0	0	Assistant Professor		07/01/2017	Regular	Yes	No
23	JYOTIPRAKASH DASH	APEPD3872L	ME/M. Tech and PhD	05/07/2023	machine learning, image processing	6	0	0	Assistant Professor		17/07/2023	Regular	Yes	No

#	Name	PAN	Qualification	Date	Specialization	Exp			Designation		Date	Nature		
24	SANGITA KUMARI BISWAL	BSOPB6685H	M.E/M.Tech	30/06/2018	computer architecture	6	0	0	Assistant Professor		16/07/2018	Regular	Yes	No
25	SOUMYA RANJAN JENA	AOPPJ2678N	M.E/M.Tech	30/06/2016	OBJECT ORIENTED programming, cloud computing	6	0	0	Assistant Professor		02/07/2018	Regular	Yes	No
26	MALAYA MALIK	CKXPM9665G	M.E/M.Tech	26/03/2018	computer architecture	3	0	0	Assistant Professor		02/02/2019	Regular	Yes	No
27	RAHUL RAY	DGQPR2863M	M.E/M.Tech	30/06/2016	image processing	9	0	0	Assistant Professor		08/04/2019	Regular	Yes	No
28	SMITA RANI BISWAL	ASJPB1333L	ME/M.Tech and PhD	05/03/2024	Machine learning	6	0	0	Assistant Professor		01/07/2023	Regular	Yes	No
29	PRASANTA KUMAR DASH	ANBPD6885E	M.E/M.Tech	03/08/2012	Machine Learning, Data science	3	0	0	Assistant Professor		22/06/2007	Regular	Yes	No
30	VIVEK PRIYADARSHI DAS	CURPD1656E	ME/M.Tech and PhD	03/04/2024	Machine learning	9	0	0	Assistant Professor		01/07/2023	Regular	Yes	No
31	LAXMINARAYAN DASH	CZTPD2006F	M.E/M.Tech	05/08/2022	web technology, object oriented systems	6	0	0	Assistant Professor		17/07/2023	Regular	Yes	No
32	SUCHISMITA MOHANTY	BWYPM5475J	ME/M.Tech and PhD	08/05/2024	image processing	3	0	0	Assistant Professor		01/07/2022	Regular	Yes	No
33	LIPSARANI JENA	CEGPJ6396N	M.E/M.Tech	22/06/2022	Data science	3	0	0	Assistant Professor		12/07/2022	Regular	Yes	No
34	CHITTA RANJAN SAHOO	BSWPS4876B	ME/M.Tech and PhD	12/12/2023	machine learning, Artificial intelligence	3	0	0	Assistant Professor		11/07/2023	Regular	Yes	No
35	PRIYA PAUL	CSUPP1127P	M.E/M.Tech	29/06/2017	Machine learning	4	0	0	Assistant Professor		08/06/2022	Regular	Yes	No
36	SAGAR KUMAR BEBARTA	BELPB3850H	M.E/M.Tech	10/07/2019	web technology	1	0	0	Assistant Professor		15/06/2022	Regular	Yes	No
37	BINAT RANJAN BHARATI	DVSPB1723D	M.E/M.Tech	18/08/2021	web technology, object oriented systems	1	0	0	Assistant Professor		01/06/2022	Regular	Yes	No

Sl No	Name	PAN	Qualification	Date	Specialization				Designation			Nature				
38	CHANDAN PATRA	AYQPP1701K	M.E/M.Tech	30/06/2006	Algorithm , Machine Learning	5	0	0	Assistant Professor		10/06/2008	Regular	No	No	05/02/2024	No
39	SANKARSAN SAHOO	BWOPS7432K	ME/M. Tech and PhD	02/08/2021	IOT , Web Technology	6	0	0	Associate Professor	01/09/2021	02/08/2010	Regular	No	No	11/03/2024	No
40	SWAGATIKA TRIPATHY	APDPT7308G	M.E/M.Tech	25/03/2014	Algorithm , Soft Computing	5	0	0	Assistant Professor		30/07/2010	Regular	No	No	05/01/2024	No
41	SAMBIT PATTANAIK	AXNPP5175D	M.E/M.Tech	30/06/2012	Object Oriented Programming , Machine Learning	3	0	0	Assistant Professor		06/08/2016	Regular	No	No	10/07/2024	No
42	BIMAL PRASAD KAR	BEFPK9599N	M.E/M.Tech	30/06/2011	Automata Theory , Machine Learning	7	0	0	Assistant Professor		16/10/2017	Regular	No	No	01/07/2023	No
43	SUVENDU CHANDAN NAYAK	AHHPN2392R	ME/M. Tech and PhD	30/11/2019	wireless sensor network	18	01	0	Professor	02/07/2020	02/07/2020	Regular	No	No	01/07/2023	No
44	DEBASIS DAS	AMFPD0585N	ME/M. Tech and PhD	13/06/2022	Data Communication, Algorithm	3	0	0	Associate Professor	11/07/2022	01/12/2021	Regular	No	No	31/07/2023	No
45	ARADHANA PAL	DETPP9967P	M.E/M.Tech	08/03/2017	OOP , DATA SCIENCE	1	0	0	Assistant Professor		09/07/2019	Regular	No	No	10/07/2023	No
46	TOFAN KUMAR JENA	AJWPJ7437P	M.E/M.Tech	30/05/2016	DATA BASE , DESCRETE STRUCTURE	2	0	0	Assistant Professor		03/09/2018	Regular	No	No	10/08/2023	No
47	MOHAMMED ABDULLAH	BQVPM2418J	ME/M. Tech and PhD	02/05/2022	IoT, Machine Learning	1	0	0	Associate Professor	01/07/2022	06/12/2021	Regular	No	No	10/06/2023	No
48	BISWAJIT TRIPATHY	ADPPT3184N	ME/M. Tech and PhD	05/03/2018	Wireless Sensor Network	8	03	0	Professor	07/07/2018	07/07/2018	Regular	No	No	10/08/2023	No
49	SASMITA PARIDA	APVPP4404N	ME/M. Tech and PhD	03/06/2022	CLOUD COMPUTING, Machine Learning	2	0	0	Associate Professor	05/07/2022	01/07/2019	Regular	No	No	05/08/2023	No
50	DOLAGOVINDA MAHANTA	BTIPM8095B	M.E/M.Tech	05/06/2017	web technology, object oriented systems	2	0	0	Assistant Professor		05/07/2018	Regular	Yes	No		No
51	ALKA DASH	HHWPD5753B	M.E/M.Tech	10/06/2022	NETWOK SECURITY	3	0	0	Assistant Professor		01/07/2022	Regular	Yes	No		No

52	JITENDRA SAHU	FWMPS7161H	M.E/M.Tech	07/12/2020	Automata theory, Network Security	5	0	0	Assistant Professor		01/07/2022	Regular	Yes	No
53	SOUMYA GOSWAMI	BPWPD5787H	M.E/M.Tech	08/05/2018	AI,DBE,CN	4	0	0	Assistant Professor		01/07/2023	Regular	Yes	No

5.1 Student-Faculty Ratio (SFR) (20)

Total Marks 18.00

Institute Marks : :

UG

No. of UG Programs in the Department

Grand Total	

PG

No. of PG Programs in the Department

Grand Total	

SFR

No. of UG Programs in the Department

No. of PG Programs in the Department

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
Total No. of Students in the Department(S)	Sum total of all (UG+PG) students	Sum total of all (UG+PG) students	Sum total of all (UG+PG) students
No. of Faculty in the Department(F)	F1	F2	F3
Student Faculty Ratio(SFR)	SFR1=S1/F1	SFR2=S2/F2	SFR3=S3/F3
Average SFR	SFR=(SFR1+SFR2+SFR3)/3		

F=Total Number of Faculty Members in the Department (excluding first year faculty)

Note: All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:

1. Shall have the AICTE prescribed qualifications and experience.

2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.

3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2024-25)		
CAYm1(2023-24)		
CAYm2(2022-23)		

Average SFR for three assessment years :

Assessment SFR :

5.2 Faculty Cadre Proportion (20)

Total Marks 20.00

Institute Marks :

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2024-25)						
CAYm1(2023-24)						
CAYm2(2022-23)						
Average Numbers						

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 10 :

5.3 Faculty Qualification (20)

Total Marks 18.88

	X	Y	F	FQ = 2 x [(10X + 4Y) / F]
2024-25(CAY)				
2023-24(CAYm1)				
2022-23(CAYm2)				

Average Assessment :

5.4 Faculty Retention (10) Total Marks 10.00

Institute Marks :

Description	2023-24 (CAYm1)	2024-25 (CAY)
No of Faculty Retained		
Total No of Faculty		
% of Faculty Retained		

Average :

Assessment Marks :

5.5 Faculty competencies in correlation to Program Specific Criteria (10) Total Marks 10.00

Institute Marks :

5.6 Innovations by the Faculty in Teaching and Learning (10) Total Marks 10.00

Institute Marks :

5.7 Faculty as participants in Faculty development/training activities/STTPs (15) Total Marks 15.00

Name of the faculty	Max 5 Per Faculty		
	2023-24(CAYm1)	2022-23(CAYm2)	2021-22(CAYm3)

Average assessment over 3 years:

5.8 Research and Development (75)

Total Marks 75.00

5.8.1 Academic Research (20)

5.8.2 Sponsored Research (20)

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)

Cumulative Amount(X + Y + Z) =

5.8.3 Development activities (15)

5.8.4 Consultancy (from Industry) (20)

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)

Cumulative Amount(X + Y + Z) =

5.9 Faculty Performance Appraisal and Development System (FPADS) (10)

Total Marks 10.00

Institute Marks :

5.10 Visiting/Adjunct/Emeritus Faculty etc. (10)

Total Marks 10.00

Institute Marks :

6 FACILITIES AND TECHNICAL SUPPORT (80)

Total Marks 80.00

6.1 Adequate and well equipped laboratories, and technical manpower (40)

Total Marks 40.00

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							

6.2 Laboratories maintenance and overall ambiance (10)　　Total Marks 10.00

Institute Marks :

6.3 Safety measures in laboratories (10)　　Total Marks 10.00

Institute Marks :

Sr. No	Laboratory Name	Safety Measures
1		

6.4 Project laboratory (20)　　Total Marks 20.00

Institute Marks :

7 CONTINUOUS IMPROVEMENT (75)　　Total Marks 75.00

7.1 Actions taken based on the results of evaluation of each of the COs, POs & PSOs (30)　　Total Marks 30.00

Institute Marks : :

POs Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1			
PO 2 : Problem Analysis			
PO 2			
PO 3 : Design/development of Solutions			
PO 3			
PO 4 : Conduct Investigations of Complex Problems			
PO 4			
PO 5 : Modern Tool Usage			
PO 5			
PO 6 : The Engineer and Society			
PO 6			
PO 7 : Environment and Sustainability			
PO 7			
PO 8 : Ethics			
PO 8			
PO 9 : Individual and Team Work			
PO 9			
PO 10 : Communication			
PO 10			
PO 11 : Project Management and Finance			
PO 11			
PO 12 : Life-long Learning			
PO 12			

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
PSO 1			
PSO 1			

7.2 Academic Audit and actions taken thereof during the period of Assessment (15)

Total Marks 15.00

Institute Marks :

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10)

Total Marks 10.00

Institute Marks :

7.4 Improvement in the quality of students admitted to the program (20)

Total Marks 20.00

Institute Marks :

Item		2024-25	2023-24	2022-23
National Level Entrance Examination	No of students admitted			
	Opening Score/Rank			
	Closing Score/Rank			
State/ University/ Level Entrance Examination/ Others	No of students admitted			
	Opening Score/Rank			
	Closing Score/Rank			
Name of the Entrance Examination for Lateral Entry or lateral entry details	No of students admitted			
	Opening Score/Rank			
	Closing Score/Rank			
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)				

8 FIRST YEAR ACADEMICS (50)

Total Marks 47.40

8.1 First Year Student-Faculty Ratio (FYSFR) (5)

Total Marks 5.00

Please provide First year faculty information considering load

Name of the faculty member	PAN No.	Qualification	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of joining	Teaching load (%)			Currently Associated (Yes / No)	Nature Of Association (Regular / Contract)	Date Of leaving(In case Currently Associated is 'No')
							CAY	CAYm1	CAYm2			

Year	Number Of Students(approved intake strength) N	Number of Faculty members(considering fractional load) F	FYSFR (N/F)	*Assessment=(5*20)/FYSFR(Limited to Max.5)
2022-23(CAYm2)		0		
2023-24(CAYm1)		0		
2024-25(CAY)		0		
Average	0	0	0	0

AverageFYSFR:

Assessment [(5 * 15) / AverageFYSFR]:

8.2 Qualification of Faculty Teaching First Year Common Courses (5)

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Faculty with Post graduate Qualification)	RF (Number Of Regular Faculty Members required as per SFR of 20:1)	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2022-23				
2023-24				
2024-25				

Average Assessment:

8.3 First Year Academic Performance (10)

Academic Performance	CAYm1(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)			
Total Number of successful students(Y)			
Total Number of students appeared in the examination(Z)			

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

Assessment = Average API :

8.4 Attainment of Course Outcomes of first year courses (10)   Total Marks 10.00

8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done (5)   Institute Marks :

8.4.2 Record the attainment of Course Outcomes of all first year courses (5)   Institute Marks :

8.5 Attainment of Program Outcomes from first year courses (20)   Total Marks 20.00

8.5.1 Indicate results of evaluation of each relevant PO and/or PSO if applicable (10)

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Cxxx	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

PSOs Attainment:

Course	PSO1
Cxxx	PSO1

8.5.2 Actions taken based on the results of evaluation of relevant POs and PSOs (10)

POs Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1			
PO 2 : Problem Analysis			
PO 2			
PO 3 : Design/development of Solutions			
PO 3			
PO 4 : Conduct Investigations of Complex Problems			
PO 4			
PO 5 : Modern Tool Usage			
PO 5			
PO 6 : The Engineer and Society			
PO 6			
PO 7 : Environment and Sustainability			
PO 7			
PO 8 : Ethics			
PO 8			
PO 9 : Individual and Team Work			
PO 9			
PO 10 : Communication			
PO 10			
PO 11 : Project Management and Finance			
PO 11			
PO 12 : Life-long Learning			
PO 12			

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
PSO 1			
PSO 1			

9 STUDENT SUPPORT SYSTEMS (50)
Total Marks 50.00

9.1 Mentoring system to help at individual level (5)
Total Marks 5.00
Institute Marks :

9.2 Feedback analysis and reward /corrective measures taken, if any (10)
Total Marks 10.00
Institute Marks :

9.3 Feedback on facilities (5)
Total Marks 5.00
Institute Marks :

9.4 Self-Learning (5)
Total Marks 5.00
Institute Marks :

9.5 Career Guidance, Training, Placement (10)
Total Marks 10.00
Institute Marks :

9.6 Entrepreneurship Cell
Total Marks 5.00
Institute Marks :

9.7 Co-curricular and Extra-curricular Activities
Total Marks 10.00
Institute Marks :

10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)
Total Marks 120.00

10.1 Organization, Governance and Transparency (55)
Total Marks 55.00

10.1.1 State the Vision and Mission of the Institute (5) Institute Marks :

10.1.2 Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring (25) Institute Marks :

10.1.3 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10) Institute Marks :

10.1.4 Decentralization in working and grievance redressal mechanism (5) Institute Marks :

10.1.5 Delegation of financial powers (5) Institute Marks :

10.1.6 Transparency and availability of correct/unambiguous information in public domain (5) Institute Marks :

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (15) Total Marks 15.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY : (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2023-2024

Total Income				Actual expenditure(till…):			Total No. Of Students	Expenditure per student
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify		

Table 2 - CFYm1 2022-2023

Total Income				Actual expenditure(till…):			Total No. Of Students	Expenditure per student
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify		

Table 3 - CFYm2 2021-2022

Total Income				Actual expenditure(till…):			Total No. Of Students	Expenditure per student
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify		

Table 4 - CFYm3 2020-2021

Total Income				Actual expenditure(till…):			Total No. Of Students	Expenditure per student
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify		

Items	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till
Infrastructure Built-Up								
Library								
Laboratory equipment								
Laboratory consumables								
Teaching and non-teaching staf								
Maintenance and spares								
R&D								
Training and Travel								
Miscellaneous Expenses*								
Others, specify								
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

10.2.1 Adequacy of budget allocation (5) — Institute Marks :

10.2.2 Utilization of allocated funds (5) — Institute Marks :

10.2.3 Availability of the audited statements on the institute's website (5) — Institute Marks :

10.3 Program Specific Budget Allocation, Utilization (30) — Total Marks 30.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY: (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2023-2024

Total Budget		Actual expenditure (till…):		Total No. Of Students
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student

Table 2 :: CFYm1 2022-2023

Total Budget		Actual expenditure (till…):		Total No. Of Students
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student

Table 3 :: CFYm2 2021-2022

Total Budget		Actual expenditure (till…):		Total No. Of Students
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student

Table 4 :: CFYm3 2020-2021

Total Budget		Actual expenditure (till…):		Total No. Of Students
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student

Items	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till
Laboratory equipment								
Software								

Laboratory consumable					
Maintenance and spares					
R & D					
Training and Travel					
Miscellaneous Expenses*					
Total	0	0	0	0	0

10.3.1 Adequacy of budget allocation (10) Institute Marks :

10.3.2 Utilization of allocated funds (20) Institute Marks :

10.4 Library and Internet (20) Total Marks 20.00

10.4.1 Quality of learning resources (hard/soft) (10) Institute Marks :

10.4.2 Internet (10) Institute Marks :

Annexure I
(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)
Program should specify 2-4 program specific outcomes.

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute
Name :
Designation :
Signature :
Seal of The Institution :

Place :
Date : 05-03-2025