

**NATIONAL BOARD OF ACCREDITATION**

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

Program Name : Computer Science and Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 1
Application No: 10107	Date of Submission: 05-04-2025

**PART A- Profile of the Institute**

A1.Name of the Institute: Sri Satya Sai University of Technology and Medical Sciences	Location of the Institute:
Year of Establishment : 1999	
A2. Institute Address:SH-18,BHOPAL INDORE ROAD,OPP. OILFED PLANT,PACHAMA SEHORE(MP)	
City:Sehore	State:Madhya Pradesh
Pin Code:462043	Website:www.sssutms.co.in
Email:info@sssutms.co.in	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : SRI SATYA SAI UNIVERSITY OF TECHNOLOGY AND MEDICAL	City:
State :	Pin Code:
A4. Type of the Institution: University	
A5. Ownership Status:	
<b>A6. Details of all Programs being Offered by the Institution:</b>	
<ul style="list-style-type: none"> <li>No. of UG programs: 11</li> <li>No. of PG programs: 14</li> </ul>	

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 in Computer Applications	2014	--	Computer Application
2	Engineering & Technology	UG	Aeronautical Engineering	2014	--	Aeronautical Engineering
3	Engineering & Technology	UG	Chemical Engineering	2014	--	Chemical Engineering
4	Engineering & Technology	UG	Civil Engineering	2014	--	Civil Engineering
5	Engineering & Technology	PG	Civil Engineering	2014	--	Civil Engineering
6	Engineering & Technology	UG	Computer Science and Engineering	2014	--	Computer Science and Engineering
7	Engineering & Technology	PG	Computer Science and Engineering	2014	--	Computer Science and Engineering
8	Engineering & Technology	PG	Computer Technology & Application	2014	--	Computer Science and Engineering
9	Engineering & Technology	PG	Digital Communications	2014	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	2014	--	Electrical and Electronics Engineering
11	Engineering & Technology	UG	Electrical Engineering	2014	--	Electrical Engineering
12	Engineering & Technology	PG	Electrical Power Systems	2014	--	Electrical Engineering
13	Engineering & Technology	UG	Electronics & Communication Engineering	2014	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Electronics & Instrumentation Engineering	2014	--	Electronics and Instrumentation Engineering
15	Engineering & Technology	PG	Industrial Design	2014	--	Mechanical Engineering
16	Engineering & Technology	PG	Information Technology	2014	--	Information Technology
17	Engineering & Technology	UG	Information Technology	2014	--	Information Technology
18	Engineering & Technology	UG	Mechanical Engineering	2014	--	Mechanical Engineering
19	Engineering & Technology	UG	Mining Engineering	2014	--	Mining Engineering
20	Engineering & Technology	PG	Power Electronics	2014	--	Electrical Engineering
21	Engineering & Technology	PG	Software Engineering	2014	--	Computer Science and Engineering
22	Engineering & Technology	PG	Structural Design	2014	--	Civil Engineering
23	Engineering & Technology	PG	Thermal Engineering	2014	--	Mechanical Engineering
24	Engineering & Technology	PG	VLSI	2014	--	Electronics and Communication Engineering
25	Management	PG	Master of Business Administration	2014	--	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
Electronics and Communication Engineering	Yes	Electronics & Communication Engineering	UG
Computer Science and Engineering	Yes	Computer Science and 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
Information Technology	Information Technology	UG
Information Technology	Information Technology	PG

**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	ACREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Computer Science and Engineering	UG	2014 / --	120	No	NA	120	2014	YES	Applying first time	--	--	0	4

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	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	Information Technology	Information Technology	PG	2014 / --	18	No	NA	18	2014	yes	Not eligible for accreditation	--	--	0	2
2	Information Technology	Information Technology	UG	2014 / --	120	No	NA	120	2014	yes	Not eligible for accreditation	--	--	0	4

**B2. Detail of Head of the Department for the program under consideration:**

A. Name of the HoD :	DR. RAJENDRA SINGH KUSHWAHA
B. Nature of appointment:	Regular
C. Qualification:	ME/M. Tech and PhD

**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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	120	120	120	120	120	120	120
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	96	98	102	105	116	111	92
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	29	21	19	15	12	15
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.	96	127	123	124	131	123	107

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]
2024-25 (CAY)	120	0	0	80.00
2023-24 (CAYm1)	120	0	0	81.67
2022-23 (CAYm2)	120	0	0	85.00

Average [(ER1 + ER2 + ER3) / 3] = 82.22≈ 17.00

**B5. Success Rate of the Students in the Stipulated Period of the Program**

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2020-21) LYG	(2019-20) LYGM1	(2018-19) 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).	135.00	132.00	135.00
B=No. of students who graduated from the program in the stipulated course duration	125.00	117.00	93.00
Success Rate (SR)=(B/A) * 100	92.59	88.64	68.89

Average SR of three batches ((SR\_1+SR\_2+SR\_3)/3): 83.37

**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 ( 2023-24 )	CAYm2 ( 2022-23 )	CAYm3 ( 2021-22 )
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)	8.90	8.10	7.90
Y=Total no. of successful students	95.00	98.00	101.00
Z=Total no. of students appeared in the examination	98.00	102.00	105.00
API [ X*(Y/Z) ]	8.63	7.78	7.60

Average API[ (AP1+AP2+AP3)/3 ] : 8.00

**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 ( 2023-24 )	CAYm2 ( 2022-23 )	CAYm3 ( 2021-22 )
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)	6.50	7.50	8.50
Y=Total no. of successful students	113.00	117.00	125.00
Z=Total no. of students appeared in the examination	119.00	120.00	127.00
API [ X * (Y/Z) ]	6.17	7.31	8.37

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.28

**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 ( 2023-24 )	CAYm2 ( 2022-23 )	CAYm3 ( 2021-22 )
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.50	8.90	9.10
Y=Total no. of successful students	117.00	125.00	118.00
Z=Total no. of students appeared in the examination	117.00	125.00	120.00
API [ X * (Y/Z) ]:	7.50	8.90	8.95

Average API [ (AP1 + AP2 + AP3)/3 ] : 8.45

**B9. Placement, Higher Studies, and Entrepreneurship**

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	135.00	132.00	135.00
X=No. of students placed	85.00	78.00	82.00
Y=No. of students admitted to higher studies	35.00	37.00	35.00
Z= No. of students taking up entrepreneurship	10.00	13.00	17.00
Placement Index(P) = ((X + Y + Z)/FS) * 100:	96.30	96.97	99.26

Average Placement Index = (P\_1 + P\_2 + P\_3)/3: 97.51 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. SUDEESH CHOUHAN	XXXXXXX78J	ME/M. Tech and PhD	KALINGA UNIVERSITY, RAIPUR	COMPUTER SCIENCE AND ENGINEERING	09/01/2010	15.1	Assistant Professor	Associate Professor	04/10/2024	Regular	Yes		No
2	ANKIT NAVGEET JOSHI	XXXXXXX67N	M.E/M.Tech	RADHARAMAN COLLEGE, BHOPAL	COMPUTER SCIENCE AND ENGINEERING	08/04/2017	7.10	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Dr. NARENDRA SHARMA	XXXXXXX07N	ME/M. Tech and PhD	MEWAR UNIVERSITY,RAJASTHAN	COMPUTER SCIENCE AND ENGINEERING	05/08/2013	11.6	Assistant Professor	Associate Professor	05/08/2021	Regular	Yes		No
4	ANJALI SAXENA	XXXXXXX69B	M.E/M.Tech	SSSUTMS SEHORE	COMPUTER SCIENCE AND ENGINEERING	06/01/2020	5.1	Assistant Professor	Assistant Professor		Regular	Yes		No
5	ANJALI WANKHEDE	XXXXXXX65R	M.E/M.Tech	SSSUTMS SEHORE	COMPUTER SCIENCE AND ENGINEERING	19/07/2017	7.6	Assistant Professor	Assistant Professor		Regular	Yes		No
6	SUVAYU CHAKRABORTY	XXXXXXX67A	M.E/M.Tech	JAIPUR NATIONAL UNIVERSITY, RAIPUR	COMPUTER SCIENCE AND ENGINEERING	15/09/2020	4.4	Assistant Professor	Assistant Professor		Regular	Yes		No
7	SUMIT KUMAR PANDEY	XXXXXXX44P	M.E/M.Tech	RGPV BHOPAL	COMPUTER SCIENCE AND ENGINEERING	02/01/2018	7.1	Assistant Professor	Assistant Professor		Regular	Yes		No
8	NITESH KUMAR SONI	XXXXXXX76H	M.E/M.Tech	SSSUTMS SEHORE	COMPUTER SCIENCE AND ENGINEERING	11/01/2020	5	Assistant Professor	Assistant Professor		Regular	Yes		No
9	ANIL SHARMA	XXXXXXX44M	M.E/M.Tech	SSSUTMS SEHORE	COMPUTER SCIENCE AND ENGINEERING	13/01/2018	7	Assistant Professor	Assistant Professor		Regular	Yes		No
10	ALOK KUMAR	XXXXXXX99J	M.E/M.Tech	SSSUTMS SEHORE	COMPUTER SCIENCE AND ENGINEERING	10/12/2020	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
11	ADITYA KUMAR	XXXXXXX12A	M.E/M.Tech	DEVI AHILYA VISHWAVIDYALAYA, INDORE	COMPUTER SCIENCE AND ENGINEERING	01/06/2020	4.8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	PRIYANKA SHRIVASTAVA	XXXXXXX31K	M.E/M.Tech	SSSUTMS SEHORE	COMPUTER SCIENCE AND ENGINEERING	29/03/2010	14.10	Assistant Professor	Assistant Professor		Regular	Yes		No
13	RITECH CHOURASIYA	XXXXXXX72G	M.E/M.Tech	RGPV BHOPAL	COMPUTER SCIENCE AND ENGINEERING	18/10/2014	10.3	Assistant Professor	Assistant Professor		Regular	Yes		No
14	MANOJ KUMAR YADAV	XXXXXXX38M	M.E/M.Tech	vits bhopal	COMPUTER SCIENCE AND ENGINEERING	18/05/2010	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
15	BEERENDRA KUMAR	XXXXXXX61P	M.E/M.Tech	D A V V INDORE	COMPUTER SCIENCE AND ENGINEERING	08/07/2008	16.7	Assistant Professor	Assistant Professor		Regular	Yes		No
16	AJAY MISHRA	XXXXXXX62M	M.E/M.Tech	RGPV BHOPAL	COMPUTER SCIENCE AND ENGINEERING	16/05/2016	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No
17	SATYENDRA RATHORE	XXXXXXX40M	M.E/M.Tech	RGPV BHOPAL	COMPUTER SCIENCE AND ENGINEERING	02/06/2014	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
18	ANURUDH KUMAR UPADHYAY	XXXXXXX53B	M.E/M.Tech	SSSUTMS SEHORE	COMPUTER SCIENCE AND ENGINEERING	01/02/2018	7	Assistant Professor	Assistant Professor		Regular	Yes		No
19	YATIN BAGUL	XXXXXXX50C	M.E/M.Tech	PILLAI'S INST. INFO. TECH., MUMBAI	COMPUTER SCIENCE AND ENGINEERING	01/11/2019	5.3	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Dr. RISHI KUSHWAH	XXXXXXX70A	ME/M. Tech and PhD	MPU, BHOPAL	COMPUTER SCIENCE AND ENGINEERING	25/11/2015	9.2	Assistant Professor	Associate Professor	25/01/2025	Regular	Yes		No
21	Dr. HARSH LOHIYA	XXXXXXX96L	ME/M. Tech and PhD	SSSUTMS SEHORE	COMPUTER SCIENCE AND ENGINEERING	15/07/2013	11.7	Assistant Professor	Associate Professor	25/09/2021	Regular	Yes		No
22	CHAILSI JAIN	XXXXXXX29G	M.E/M.Tech	RGPV BHOPAL	COMPUTER SCIENCE AND ENGINEERING	01/12/2012	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
23	MEGHA JAIN	XXXXXXX13G	M.E/M.Tech	RGPV BHOPAL	COMPUTER SCIENCE AND ENGINEERING	18/11/2010	14.2	Assistant Professor	Assistant Professor		Regular	Yes		No
24	ARIF HAKEEM	XXXXXXX72Q	ME/M. Tech and PhD	B M S COLLEGE OF ENGG. B.U.	COMPUTER SCIENCE AND ENGINEERING	19/02/2019	5.11	Associate Professor	Associate Professor	19/02/2019	Regular	Yes		No
25	Dr. ASHISH RASTOGI	XXXXXXX95D	ME/M. Tech and PhD	GURU GHASIDAS UNIVERSITY, BILASPUR	COMPUTER SCIENCE AND ENGINEERING	28/04/2012	12.9	Professor	Professor	28/04/2012	Regular	Yes		No
26	GAURAV KUMAR SAXENA	XXXXXXX83Q	M.E/M.Tech	RGPV BHOPAL	COMPUTER SCIENCE AND ENGINEERING	24/09/2007	17.4	Assistant Professor	Assistant Professor		Regular	Yes		No
27	DR. RAJENDRA SINGH KUSHWAHA	XXXXXXX54P	ME/M. Tech and PhD	JODHPUR NATIONAL UNIVERSITY	Computer Science and Engineering	28/02/2023	2.1	Professor	Professor	28/02/2023	Regular	Yes		Yes

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

List of Faculty Faculty Details and Department for the past 3 years including Curr.															
Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	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	GAJENDRA SING CHANDEL	XXXXXXX16L	NA	M.E/M.Tech	RGPV BHOPAL	Information Technology	20/02/2008	17.1	Assistant Professor	Assistant Professor		Regular	Yes		No
2	JITENDRA RAI	XXXXXXX50E	NA	M.E/M.Tech	RGPV BHOPAL	INFORMATION TECHNOLOGY	27/07/2010	14.8	Assistant Professor	Assistant Professor		Regular	Yes		No
3	SWATI BHAGORIA	XXXXXXX59L	NA	M.E/M.Tech	RGPV BHOPAL	INFORMATION TECHNOLOGY	16/02/2012	13.1	Assistant Professor	Assistant Professor		Regular	Yes		No
4	CHAUDHARI SUJIT KUMAR	XXXXXXX30G	NA	M.E/M.Tech	rgpv bhopal	INFORMATION TECHNOLOGY	12/01/2019	6.2	Assistant Professor	Assistant Professor		Regular	Yes		No
5	NAINA SOLANKI	XXXXXXX79E	NA	M.E/M.Tech	RGPV BHOPAL	COMPUTER SCIENCE ENGINEERING	09/07/2018	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	CHAUDHARI TUSHAR SURESH	XXXXXXX33N	NA	M.E/M.Tech	SSSUTMS SEHORE	M-TECH(CSE)	22/01/2019	6.2	Assistant Professor	Assistant Professor		Regular	Yes		No
7	SINDHU SHRIWATRI	XXXXXXX05H	NA	M.E/M.Tech	RGPV BHOPAL	M-TECH(CTA)	14/12/2018	6.3	Assistant Professor	Assistant Professor		Regular	Yes		No
8	MANISH TYAGI	XXXXXXX09R	NA	M.E/M.Tech	RGPV BHOPAL	M-TECH(CSE)	09/07/2018	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
9	DINESH CHANDRA JAIN	XXXXXXX38N	NA	M.E/M.Tech	RGPV BHOPAL	M-TECH(CSE)	14/08/2018	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
10	SHUBHAM MALVIYA	XXXXXXX35L	NA	M.E/M.Tech	RGPV BHOPAL	M-TECH(CSE)	22/05/2017	7.10	Assistant Professor	Assistant Professor		Regular	Yes		No
11	HIMALAYA GOHIYA	XXXXXXX74F	NA	M.E/M.Tech	RGPV BHOPAL	M-TECH(CSE)	22/05/2018	6.10	Assistant Professor	Assistant Professor		Regular	Yes		No
12	HIMANSHU YADAV	XXXXXXX52A	NA	M.E/M.Tech	RGPV BHOPAL	M-TECH(CSE)	24/05/2018	6.10	Assistant Professor	Assistant Professor		Regular	Yes		No
13	DR. MANOJ VERMA	XXXXXXX91A	NA	ME/M. Tech and PhD	SSSUTMS SEHORE	INFORMATION TECHNOLOGY	20/05/2015	9.10	Associate Professor	Professor	24/03/2025	Regular	Yes		No
14	DR. SMITA SHARMA	XXXXXXX50M	NA	ME/M. Tech and PhD	SSSUTMS SEHORE	INFORMATION TECHNOLOGY	25/05/2016	8.10	Associate Professor	Professor	25/03/2025	Regular	Yes		No
15	Dr. HARSH PRTAP SINGH	XXXXXXX16C	NA	ME/M. Tech and PhD		INFORMATION TECHNOLOGY	29/05/2014	10.10	Associate Professor	Professor	24/03/2025	Regular	Yes		No
16	DR. PANKAJ KAWADKAR	XXXXXXX88R	NA	ME/M. Tech and PhD	SSSUTMS SEHORE	COMPUTER SCIENCE & ENGINEERING	01/01/2020	5.2	Professor	Professor	31/03/2020	Regular	Yes		No
17	DR. VIKAS PANEDY	XXXXXXX90M	NA	MCA and PhD	R.D.V JABALPUR	COMPUTER SCIENCE	02/02/2016	9.1	Associate Professor	Professor	24/03/2025	Regular	Yes		No
18	DR. ANIL KUMAR	XXXXXXX84L	NA	M.Tech and Ph.D	MONAD UNIVERSITY	COMPUTER SCIENCE & ENGG.	12/01/2019	6.2	Professor	Professor	12/01/2019	Regular	Yes		No
19	MANSHINGH	XXXXXXX83G	NA	M.E/M.Tech	RGPV BHOPAL	COMPUTER TECHNOLOGY AND APPLICATION	30/06/2017	7.9	Assistant Professor	Assistant Professor		Regular	Yes		No
20	SANTOSH KUSHWAHA	XXXXXXX57H	NA	M.E/M.Tech	RGPV BHOPAL	INFORMATION TECHNOLOGY	10/12/2018	6.3	Assistant Professor	Assistant Professor		Regular	Yes		No
21	AMIT SONI	XXXXXXX18L	NA	M.E/M.Tech	RGPV BHOPAL	SOFTWARE ENGINEERING	25/07/2017	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
22	DR. MANISH SUROLIYA	XXXXXXX93G	NA	ME/M. Tech and PhD	NIT JAIPUR	COMPUTER SCIENCE ENGINEERING	25/01/2019	6.2	Associate Professor	Professor	01/01/2025	Regular	Yes		Yes
23	DR. ARPIT NAMDEV	XXXXXXX10M	NA	ME/M. Tech and PhD	RGPV BHOPAL	COMPUTER SCIENCE ENGINEERING	10/07/2018	6.8	Associate Professor	Associate Professor	06/01/2025	Regular	Yes		No

#### 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 Department4

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	132	132	132
UG1.C	132	132	132
UG1.D	132	132	132
<b>UG1: Computer Science and Engineering</b>	<b>396</b>	<b>396</b>	<b>396</b>
UG2.B	132	132	132
UG2.C	132	132	132
UG2.D	132	132	132
<b>UG2: Information Technology</b>	<b>396</b>	<b>396</b>	<b>396</b>
PG1.A	18	18	18
PG1.B	18	18	18
<b>PG1: Computer Science and Engineering</b>	<b>36</b>	<b>36</b>	<b>36</b>
PG2.A	18	18	18
PG2.B	18	18	18
<b>PG2: Computer Technology &amp; Application</b>	<b>36</b>	<b>36</b>	<b>36</b>
PG3.A	18	18	18
PG3.B	18	18	18
<b>PG3: Information Technology</b>	<b>36</b>	<b>36</b>	<b>36</b>
PG4.A	18	18	18
PG4.B	18	18	18

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
<b>PG4: Software Engineering</b>	<b>36</b>	<b>36</b>	<b>36</b>
DS=Total no. of students in all UG and PG programs in the Department	504	504	504
AS=Total no. of students of all UG and PG programs in allied departments	432	432	432
S=Total no. of students in the Department (DS) and allied departments (AS)	<b>S1= 936</b>	<b>S2= 936</b>	<b>S3= 936</b>
DF=Total no. of faculty members in the Department	27	27	26
AF= Total no. of faculty members in the allied Departments	22	22	21
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	<b>F1= 49</b>	<b>F2= 49</b>	<b>F3= 47</b>
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)	<b>SFR1= 18.72</b>	<b>SFR2= 18.72</b>	<b>SFR3= 19.50</b>
Average SFR for 3 years	<b>SFR= 18.98</b>		

### 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 = $2.5 * [(10X + 4Y) / RF]$
2024-25(CAY)	11	39	21.00	31.67
2023-24(CAYm1)	11	39	21.00	31.67
2022-23(CAYm2)	10	38	21.00	30.00

### C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required =  $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S)}$  as per C2 of this documents:.
- RF2= No. of Associate Professors required =  $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S)}$  as per section C2 of this documents:.
- RF3= No. of Assistant Professors required =  $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S)}$  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
2024-25	2.00	3.00	4.00	8.00	14.00	38.00
2023-24	2.00	3.00	4.00	8.00	14.00	38.00
2022-23	2.00	2.00	4.00	8.00	14.00	37.00
Average	RF1=2.00	AF1=2.67	RF2=4.00	AF2=8.00	RF2=14.00	AF2=37.67

### C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)					
S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.Anubhav Sharma	Associate Professor	IES University Bhopal	Artificial Intelligence	50.00
(CAYm2)					
S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Puneet Kumar Dwivedi	Associate Professor	RKDF university Bhopal	internet of things	50.00
(CAYm3)					
S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. kuldeep Namdev	Associate Professor	SIRT E bhopal	Machine Learning	50.00

### C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	5	15	8
2	No. of peer reviewed conference papers published	0	1	0
3	No. of books/book chapters published	0	2	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
Dr. Rajendra Singh Kushwah	Dr. Harsh Lohiya	Computer Sciene and Engineering	DST-NIMSAT	DST	2 WEEK	4.00
(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
Dr. Sudeesh Chouahn	Dr. Rishi Kushwah	Computer Sciene and Engineering	DST	DST	1 WEEK	3.50
(CAYm3)						
PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Harsh Pratap Singh	Dr. Narendra Sharma	Computer Sciene and Engineering	DST-NIMSAT	DST	1 WEEK	3.50

Total Amount (Lacs) Received for the Past 3 Years: 11.00

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 HARSH LOHIYA	-	Computer Science and Engineering	USE OF MEMBRANES IN GAS CONDITIONING	Anik Industries Ltd	03 year	56.98
Dr NARENDRA SHARMA	-	Computer Science and Engineering	LOW COST VISCOMETER	Bio Nutrients India Pvt Ltd	04 year	6.98
						Amount received (Rs.):63.96

(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 NEERAJ SHARMA	-	Computer Science and Engineering	DESIGN OF CRYSTALLIZER	Flour & Foods Ltd.	04 year	5.42
Dr HARSH PRATAP SINGH	-	Computer Science and Engineering	HEAT PUMPS FOR ENERGY CONSERVATION IN DRYING	Cassandra Realty Pvt Ltd	03 year	5.69
						Amount received (Rs.):11.11

(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 KAILASH PATIDAR	-	Computer Science and Engineering	ADSORPTION OF HEAVY METALS USING SUGARCANE BAGASSE	Sam SpintechTalawali Chanda	03 year	12.59
Dr PANKAJ KAWADKAR	-	Computer Science and Engineering	EXTRACTION OF SILICA FROM RICE HUSK ASH	Golden Ingots Pvt. Ltd	03 year	12.96
						Amount received (Rs.):25.55

Total amount (Lacs) received for the past 3 years: 100.62

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. Santosh Kumar Rai	Development of the high temperature 3D printer	1 YEAR	1.86	1.86	Successful Design and Fabrication, Material Compatibility
Ms Yamini Rai	Development of AI based drone system for detecting multiple disease in the plant	1 YEAR	1.86	1.86	Automated Disease Detection System, Improved Accuracy and Speed in Disease Identification
Dr. Rashmi Dwivedi	Design and Development of Aircraft	1 YEAR	3.00	3.00	Prototype Development, Aerodynamic Design Optimization, Material Selection and Testing
Mr. Manoj kumar Gandwane	Removal of arsenic From Waste Water by USING OF Absorbent	1 YEAR	1.23	1.23	Effective Arsenic Removal, Identification of Suitable Absorbent
			Amount received (Rs.): 7.95		

(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. Devendra Patle	Design and development of enhancement of heat transfer trough solar air heater	1 YEAR	1.76	1.76	Improved Thermal Efficiency, Optimized Design Parameters
Mr. Sachin Baraskar	Design and Development of the Hybrid solar car	1 YEAR	3.00	3.00	Development of a functional hybrid solar vehicle, Integration of photovoltaic (PV) panels
Dr. Rajendra Sigh Kushwaha	IOT based crop health detection & Prevention system	1 YEAR	2.80	2.80	Real-time Monitoring of Crop Health, Early Detection of Crop Diseases
			Amount received (Rs.): 7.56		

(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
Praboodh Khampariya	Design & Simulation of Single phase Sinusoidal Pulse Width Modulation (Unipolar) Inverter Prototype	1 YEAR	2.25	2.25	Understanding of Power Electronics Principles, Implementation of SPWM (Unipolar) Technique
SS Ali	Fixed Point Theorem for Fuzzy Metric Space	1 YEAR	2.30	2.30	Understanding of Fuzzy Metric Spaces, New Fixed Point Theorems, Generalization of Existing Results
Ajay Sawrups	A Laboratory Assessment on Concrete Mix Design by Using Fly Ash as Bonding	1 YEAR	2.25	2.25	Impact on Concrete Properties, Cost-Effectiveness, Environmental Benefits
Prakhar Dubey	Development of Optimized Muffler to Improve the Efficiency of Diesel Engine for Eicher Bus	1 YEAR	3.00	3.00	Improved Engine Efficiency, Noise Reduction, Compliance with Environmental Regulations
			Amount received (Rs.): 9.80		

Total amount (Lacs) received for the past 3 years : 25.31

**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	Computer Programming Lab	30	Desktop PCs, C/C++ Compilers, Projectors	18 hours/w eek	Mr. MANOJ KUMAR YADA	ASST PROFES SOR	B E, M.TECH
2	Data Structures Lab	30	PCs, IDEs ( C++, Turbo C), UPS Backup	12 hours/w eek	Mr. MANOJ KUMAR YADA	ASST PROFES SOR	B E, M.TECH
3	Electronics & Devices Lab	30	CROs, Function Generators, Breadboards	10 hours/w eek	Mr. DEVENDRA PATLE	ASST PROFES SOR	B E, M.TECH
4	Microprocessor Lab	30	8085/8086 Kits, CROs, Interfacing Boards	8 hours/w eek	Mr. DEVENDRA PATLE	ASST PROFES SOR	B E, M.TECH
5	Database Management Systems Lab	30	Oracle, MySQL Servers, PCs	10 hours/w eek	DR RAJENDRA KUSHWA	PROFES SOR	Ph.D

**D2. Safety Measures in Laboratories**

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

Sr. No	Laboratory Name	Safety Measures
1	Programming Lab and Software lab	Antivirus software, electrical surge protectors, monitored internet usage
2	IoT & Embedded Lab	Cable management, protective eyewear for soldering, ventilation system

## D3. Project Laboratory/Research Laboratory

s.no	Name of the Laboratory	Details
01	Innovation & Research Lab	Equipped with 3D Printers, Raspberry Pi, Arduino kits for interdisciplinary projects
02	AI & Machine Learning CoE	Funded by DST, includes high-performance computing units, NVIDIA GPU workstations
03	Final Year Project Lab	Dedicated lab with internet, whiteboards, discussion spaces for project development
04	IoT Research & Startup Hub	Seed-funded by MSME, supports startups and PoC projects

## 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
2022-23(CAYm2)	120	6	0	19	63
2023-24(CAYm1)	120	6	0	19	63
2024-25(CAY)	120	6	0	19	63

## 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 2024-2025	Actual Expenses in 2024-2025 till	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
Infrastructure Built-Up	200000	1500000	200000	1500000	5000000	4500000	36550000	35000000
Library	500000	450000	500000	450000	500000	500000	500000	500000
Laboratory equipment	900000	800000	900000	800000	12000000	1100000	3600000	1100000
Teaching and non-teaching staff salary	180000000	158000000	210000000	190000000	200000000	195000000	195000000	165000000
Outreach Programs	200000	180000	200000	180000	500000	450000	500000	450000
R&D	1500000	1400000	1500000	1400000	1500000	1400000	700000	1400000
Training, Placement and Industry linkage	5000000	450000	5000000	450000	5000000	450000	5000000	450000
SDGs	700000	650000	700000	650000	800000	650000	800000	650000
Entrepreneurship	500000	450000	500000	450000	500000	450000	1000000	450000
Others, specify	3000000	250000	3000000	250000	3000000	250000	3000000	250000
<b>Total</b>	<b>192500000</b>	<b>164130000</b>	<b>222500000</b>	<b>196130000</b>	<b>290000000</b>	<b>249300000</b>	<b>273650000</b>	<b>209300000</b>

## 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 2024-2025	Actual Expenses in 2024-2025 till	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
Laboratory equipment	500000	230000	800000	700000	500000	400000	100000	50000
Software	300000	200000	500000	460000	300000	200000	100000	50000
SDGs	100000	90000	100000	90000	100000	90000	50000	40000
Support for faculty development	200000	150000	200000	190000	200000	183000	100000	60000
R & D	300000	250000	300000	280000	300000	247000	100000	60000
Industrial Training, Industry expert, Internship	100000	80000	100000	80000	100000	80000	50000	40000
Miscellaneous Expenses*	50000	40000	50000	30000	50000	30000	50000	25000
<b>Total</b>	<b>1550000</b>	<b>1040000</b>	<b>2050000</b>	<b>1830000</b>	<b>1550000</b>	<b>1230000</b>	<b>550000</b>	<b>325000</b>