

# NATIONAL BOARD OF ACCREDITATION

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

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

## PART A- Profile of the Institute

|  |                            |
|--|----------------------------|
| <b>A1.Name of the Institute:</b> Sri Satya Sai University of Technology and Medical Sciences |                            |
| Year of Establishment : 1999   | Location of the Institute: |
| <b>A2. Institute Address:</b> 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):-  |
| <b>A3. Name and Address of the Affiliating University (if any):</b>                          |                            |
| Name of the University : SRI SATYA SAI UNIVERSITY OF TECHNOLOGY AND MEDICAL                  | City:                      |
| State :  | Pin Code:                  |
| <b>A4. Type of the Institution:</b> University   |                            |
| <b>A5. Ownership Status:</b>   |                            |

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

- No. of UG programs: 11
- No. of PG programs: 14

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 | ACCREDITATION 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 2rd 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         | XXXXXXXX78J | 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         | XXXXXXXX67N | 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         | XXXXXXXX07N | 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               | XXXXXXXX69B | 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             | XXXXXXXX65R | 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          | XXXXXXXX67A | 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          | XXXXXXXX44P | 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           | XXXXXXXX76H | M.E/M. Tech        | SSSUTMS SEHORE                      | COMPUTER SCIENCE AND ENGINEERING | 11/01/2020                          | 5  | Assistant Professor                             | Assistant Professor |   | Regular   | Yes                        |                                | No      |
| 9     | ANIL SHARMA                 | XXXXXXXX44M | M.E/M. Tech        | SSSUTMS SEHORE                      | COMPUTER SCIENCE AND ENGINEERING | 13/01/2018                          | 7  | Assistant Professor                             | Assistant Professor |   | Regular   | Yes                        |                                | No      |
| 10    | ALOK KUMAR                  | XXXXXXXX99J | 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                | XXXXXXXX12A | 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        | XXXXXXXX31K | M.E/M. Tech        | SSSUTMS SEHORE                      | COMPUTER SCIENCE AND ENGINEERING | 29/03/2010                          | 14.10                                    | Assistant Professor                             | Assistant Professor |   | Regular   | Yes                        |                                | No      |
| 13    | RITU CHOURASIYA             | XXXXXXXX72G | 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           | XXXXXXXX38M | 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             | XXXXXXXX61P | 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                 | XXXXXXXX62M | 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           | XXXXXXXX40M | 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      | XXXXXXXX53B | M.E/M. Tech        | SSSUTMS SEHORE                      | COMPUTER SCIENCE AND ENGINEERING | 01/02/2018                          | 7  | Assistant Professor                             | Assistant Professor |   | Regular   | Yes                        |                                | No      |
| 19    | YATIN BAGUL                 | XXXXXXXX50C | 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           | XXXXXXXX70A | 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            | XXXXXXXX96L | 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                | XXXXXXXX29G | 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                  | XXXXXXXX13G | 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                 | XXXXXXXX72Q | 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          | XXXXXXXX95D | 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         | XXXXXXXX83Q | 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 | XXXXXXXX54P | 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.

| Sr.No | Name of the Faculty | PAN No. | APAA 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   | XXXXXXXX16L | NA | M.E/M.Tech         | RGPV BHOPAL      | Information Technology              | 20/02/2008 | 17.1  | Assistant Professor | Assistant Professor |            | Regular | Yes |  | No  |
| 2  | JITENDRA RAI            | XXXXXXXX50E | NA | M.E/M.Tech         | RGPV BHOPAL      | IINFORMATION TECHNOLOGY             | 27/07/2010 | 14.8  | Assistant Professor | Assistant Professor |            | Regular | Yes |  | No  |
| 3  | SWATI BHAGORIA          | XXXXXXXX59L | 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   | XXXXXXXX30G | NA | M.E/M.Tech         | rgpv bhopal      | INFORMATION TECHNOLOGY              | 12/01/2019 | 6.2   | Assistant Professor | Assistant Professor |            | Regular | Yes |  | No  |
| 5  | NAINA SOLANKI           | XXXXXXXX79E | NA | M.E/M.Tech         | RGPV BHOPLA      | COMPUTER SCIENCE ENGINEERING        | 09/07/2018 | 6.8   | Assistant Professor | Assistant Professor |            | Regular | Yes |  | No  |
| 6  | CHAUDHARI TUSHAR SURESH | XXXXXXXX33N | 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        | XXXXXXXX05H | 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            | XXXXXXXX09R | 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     | XXXXXXXX38N | 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         | XXXXXXXX35L | 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         | XXXXXXXX74F | 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          | XXXXXXXX52A | 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         | XXXXXXXX91A | 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        | XXXXXXXX50M | 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 PRITAP SINGH  | XXXXXXXX16C | 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     | XXXXXXXX88R | 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        | XXXXXXXX90M | 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          | XXXXXXXX84L | 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               | XXXXXXXX83G | 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        | XXXXXXXX57H | NA | M.E/M.Tech         | RGPV BHOPAL      | INFORMATION TECHNOLOGY              | 10/12/2018 | 6.3   | Assistant Professor | Assistant Professor |            | Regular | Yes |  | No  |
| 21 | AMIT SONI               | XXXXXXXX18L | 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     | XXXXXXXX93G | 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        | XXXXXXXX10M | 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 x [(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 \* No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 \* No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 \* No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

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

| Year    | Professors   |               | Associate Professors |               | Assistant Professors |               |
|---------|--------------|---------------|----------------------|---------------|----------------------|---------------|
|         | Required RF1 | Available AF1 | Required RF2         | Available AF1 | Required RF3         | Available AF3 |
| 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)<br>i.e. 15,25,000=15.25 |
| Dr. Rajendra Singh Kushwah | Dr. Harsh Lohiya   | Computer Scense and Engineering                | DST-NIMSAT     | DST                        | 2 WEEK                  | 4.00                                 |
|                            |                    |  |                |                            |                         | Amount received (Rs.):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)<br>i.e. 15,25,000=15.25 |
| Dr. Sudeesh Chouahn | Dr. Rishi Kushwah  | Computer Science and Engineering               | DST            | DST                        | 1 WEEK                  | 3.50                                 |
|                     |                    |  |                |                            |                         | Amount received (Rs.):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)<br>i.e. 15,25,000=15.25 |
| Dr. Harsh Pratap Singh | Dr. Narendra Sharma | Computer Scense and Engineering                | DST-NIMSAT     | DST                        | 1 WEEK                  | 3.50                                 |
|                        |                     |  |                |                            |                         | Amount received (Rs.):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)<br>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)<br>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)<br>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)<br>i.e. 15,25,000=15.25 | Amount Utilized(Lacs)<br>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)<br>i.e. 15,25,000=15.25 | Amount Utilized(Lacs)<br>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 Kushwah | 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)<br>i.e. 15,25,000=15.25 | Amount Utilized(Lacs)<br>i.e. 15,25,000=15.25 | Outcomes of the project  |
|--------------------|---|-------------------------|--------------------------------------|---|--|
| Prabodh 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 Sawrup        | 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 Programmin g 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. DEVENDR A PATLE         | ASST PROFES SOR | B E, M.TECH   |
| 4      | Microproces sor Lab             | 30  | 8085/8086 Kits, CROs, Interfacing Boards | 8 hours/w eek  | Mr. DEVENDR A PATLE         | ASST PROFES SOR | B E, M.TECH   |
| 5      | Database Management Systems Lab | 30  | Oracle, MySQL Servers, PCs               | 10 hours/w eek   | DR RAJENDR A 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                           | 50000000              | 45000000                          | 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                            | 5000000               | 4500000                           | 5000000               | 4500000                           |
| R&D  | 1500000               | 1400000                           | 1500000               | 1400000                           | 1500000               | 1400000                           | 7000000               | 1400000                           |
| Training, Placement and Industry linkage                                   | 5000000               | 450000                            | 5000000               | 450000                            | 5000000               | 450000                            | 5000000               | 450000                            |
| SDGs   | 700000                | 650000                            | 700000                | 650000                            | 8000000               | 650000                            | 8000000               | 650000                            |
| Entrepreneurship   | 500000                | 450000                            | 500000                | 450000                            | 5000000               | 450000                            | 10000000              | 450000                            |
| Others, specify  | 3000000               | 250000                            | 3000000               | 250000                            | 3000000               | 250000                            | 3000000               | 250000                            |
| Total  | 192500000             | 164130000                         | 222500000             | 196130000                         | 290000000             | 249300000                         | 273650000             | 209300000                         |

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                             |
| Total  | 1550000               | 1040000                           | 2050000               | 1830000                           | 1550000               | 1230000                           | 550000                | 325000                            |