

**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> : Electronics and Telecommunication Engineering | <b>Discipline</b> : Engineering & Technology |
| <b>Level</b> : Under Graduate                                       | <b>Tier</b> : 2                              |
| <b>Application No</b> : 11712                                       | <b>Date of Submission</b> : 30-03-2026       |

**PART A- Profile of the Institute**

|                                                                                                 |                                       |
|-------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>A1.Name of the Institute</b> : Dr. Vitthalrao Vikhe Patil College of Engineering, Ahmednagar |                                       |
| Year of Establishment : 1983                                                                    | Location of the Institute: Ahmednagar |
| <b>A2. Institute Address</b> :PO : MIDC, Vilad Ghat, Ahmednagar, Maharashtra - 414111           |                                       |
| City:Ahmednagar                                                                                 | State:Maharashtra                     |
| Pin Code:414111                                                                                 | Website:www.enggnagar.com             |
| Email:principal@enggnagar.com                                                                   | Phone No(with STD Code):0241-2779496  |
| <b>A3. Name and Address of the Affiliating University (if any):</b>                             |                                       |
| Name of the University : Savitribai Phule Pune University Pune                                  | City: Ahmednagar                      |
| State : Maharashtra                                                                             | Pin Code: 411007                      |
| <b>A4. Type of the Institution</b> : Self-Supported Institute                                   |                                       |
| <b>A5. Ownership Status</b> : Self financing                                                    |                                       |

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

- No. of UG programs: **9**
- No. of PG programs: **5**

Table No. A6.1: List of all programs offered by the Institute.

| Sr.No. | Discipline               | Level of program | Name of the program                                  | Year of Start | Year of Closed | Name of The Department                               |
|--------|--------------------------|------------------|------------------------------------------------------|---------------|----------------|------------------------------------------------------|
| 1      | Engineering & Technology | UG               | Artificial Intelligence and Data Science             | 2024          | --             | Artificial Intelligence and Data Science             |
| 2      | Engineering & Technology | UG               | Civil Engineering                                    | 1983          | --             | Civil Engineering                                    |
| 3      | Engineering & Technology | UG               | Computer Engineering                                 | 2022          | --             | Computer Engineering                                 |
| 4      | Engineering & Technology | PG               | Computer Engineering                                 | 2025          | --             | Computer Engineering                                 |
| 5      | Engineering & Technology | UG               | Computer Science and Design                          | 2021          | --             | Computer Science and Design                          |
| 6      | Engineering & Technology | PG               | Data Science                                         | 2024          | --             | Computer Engineering                                 |
| 7      | Engineering & Technology | PG               | Design Engineering                                   | 2012          | --             | Mechanical Engineering                               |
| 8      | Engineering & Technology | UG               | Electrical Engineering                               | 1999          | --             | Electrical Engineering                               |
| 9      | Engineering & Technology | UG               | Electronics and Telecommunication Engineering        | 2007          | --             | Electronics and Telecommunication Engineering        |
| 10     | Engineering & Technology | UG               | Electronics Engineering (VLSI Design and Technology) | 2023          | --             | Electronics Engineering (VLSI Design and Technology) |
| 11     | Engineering & Technology | UG               | Information Technology                               | 2001          | --             | Information Technology                               |
| 12     | Engineering & Technology | UG               | Mechanical Engineering                               | 1986          | --             | Mechanical Engineering                               |
| 13     | Engineering & Technology | PG               | Structural Engineering                               | 2008          | --             | Civil Engineering                                    |

|    |                          |    |                         |      |    |                                               |
|----|--------------------------|----|-------------------------|------|----|-----------------------------------------------|
| 14 | Engineering & Technology | PG | VLSI & Embedded Systems | 2025 | -- | Electronics and Telecommunication Engineering |
|----|--------------------------|----|-------------------------|------|----|-----------------------------------------------|

**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 |
|-----------------------------------------------|---------------------------|-----------------------------------------------|---------------|
| Civil Engineering                             | No                        | Civil Engineering                             | UG            |
| Electrical Engineering                        | No                        | Electrical Engineering                        | UG            |
| Information Technology                        | No                        | Information Technology                        | UG            |
| Mechanical Engineering                        | No                        | Mechanical Engineering                        | UG            |
| Electronics and Telecommunication Engineering | No                        | Electronics and Telecommunication Engineering | UG            |

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

**PART-B: Program information****B1. Provide the Required Information for the Program Applied For:**

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

| SR.NO. | PROGRAM NAME                                  | PROGRAM APPLIED LEVEL | YEAR OF START / YEAR OF CLOSED | SANCTIONED INTAKE | INCREASE/DECREASE INTAKE (if any) | YEAR OF INCREASE/DECREASE | CURRENT INTAKE | YEAR OF AICTE APPROVAL | AICTE/COMF AUTHORITY ARROVAL D         |
|--------|-----------------------------------------------|-----------------------|--------------------------------|-------------------|-----------------------------------|---------------------------|----------------|------------------------|----------------------------------------|
| 1      | Electronics and Telecommunication Engineering | UG                    | 2007 / --                      | 60                | Yes                               | 2019                      | 60             | 2019                   | F.No.Western 3508676642/ Dt.10/04/2018 |

List of the Allied Departments/Cluster and Programs:

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

|                           |                        |
|---------------------------|------------------------|
| A. Name of the HoD :      | Dr. Anita Keshav Patil |
| B. Nature of appointment: | Regular                |
| C. Qualification:         | Ph.D                   |

**B3. Program Details**

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

| Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)                                                                | 2025-26 (CAY) | 2024-25 (CAYm1) | 2023-24 (CAYm2) | 2022-23 (CAYm3) | 2021-22 (CAYm4) | 2020-21 (CAYm5) | 2019-20 (CAYm6) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| N=Sanctioned intake of the program (as per AICTE /Competent authority)                                                                                                       | 60            | 60              | 60              | 60              | 60              | 60              | 60              |
| 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 | 60            | 60              | 60              | 60              | 59              | 10              | 25              |

|                                                                                                                                         |    |    |    |    |     |    |    |
|-----------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|-----|----|----|
| N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats                                 | 0  | 9  | 13 | 13 | 42  | 11 | 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                                                          | 2  | 3  | 7  | 7  | 5   | 3  | 1  |
| Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points. | 62 | 72 | 80 | 80 | 106 | 24 | 41 |

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

#### B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

| Year of entry   | N (From Table 4.1) | N1 (From Table 4.1) | N4 (From Table 4.1) | Enrollment Ratio [(N1/N)*100] |
|-----------------|--------------------|---------------------|---------------------|-------------------------------|
| 2025-26 (CAY)   | 60                 | 60                  | 2                   | 103.33                        |
| 2024-25 (CAYm1) | 60                 | 60                  | 3                   | 105.00                        |
| 2023-24 (CAYm2) | 60                 | 60                  | 7                   | 111.67                        |

Average [ (ER1 + ER2 + ER3) / 3 ] = 106.67≅ 100

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

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

| Item                                                                                                                                                                                                                                                                                                          | (2021-22)<br>LYG | (2020-21)<br>LYGm1 | (2019-20)<br>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). | 106.00           | 71.00              | 75.00              |
| B=No. of students who graduated from the program in the stipulated course duration                                                                                                                                                                                                                            | 41.00            | 25.00              | 25.00              |
| Success Rate (SR)= (B/A) * 100                                                                                                                                                                                                                                                                                | 38.68            | 35.21              | 33.33              |

Average SR of three batches ((SR\_1+ SR\_2+ SR\_3)/3): 35.74

#### B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

| Academic Performance                                                                                                                                                   | CAYm1( 2024-25 ) | CAYm2( 2023-24 ) | CAYm3 ( 2022-23 ) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|-------------------|
| X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10) | 8.03             | 8.30             | 7.66              |
| Y=Total no. of successful students                                                                                                                                     | 62.00            | 59.00            | 48.00             |
| Z=Total no. of students appeared in the examination                                                                                                                    | 63.00            | 67.00            | 67.00             |
| API [X*(Y/Z)]                                                                                                                                                          | 7.90             | 7.31             | 5.49              |

Average API[ (AP1+AP2+AP3)/3 ] : 6.90

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

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

| Academic Performance                                                                                                                                                   | CAYm1 ( 2024-25 ) | CAYm2 ( 2023-24 ) | CAYm3 ( 2022-23 ) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|
| X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10) | 8.13              | 7.64              | 7.17              |
| Y=Total no. of successful students                                                                                                                                     | 45.00             | 59.00             | 58.00             |
| Z=Total no. of students appeared in the examination                                                                                                                    | 72.00             | 61.00             | 103.00            |
| API [ X * (Y/Z) ]                                                                                                                                                      | 5.08              | 7.39              | 4.04              |

Average API [ (AP1 + AP2 + AP3)/3 ] : 5.50

#### B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

| Academic Performance                                                                                                                                                   | CAYm1 (2024-25) | CAYm2 (2023-24) | CAYm3 (2022-23) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
| X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10) | 7.98            | 8.04            | 7.80            |
| Y=Total no. of successful students                                                                                                                                     | 59.00           | 55.00           | 40.00           |
| Z=Total no. of students appeared in the examination                                                                                                                    | 59.00           | 58.00           | 55.00           |
| API [ X*(Y/Z) ]:                                                                                                                                                       | 7.98            | 7.62            | 5.67            |

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.09

B9. Placement, Higher Studies, and Entrepreneurship

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

| Item                                           | LYG (2021-22) | LYGm1(2020-21) | LYGm2(2019-20) |
|------------------------------------------------|---------------|----------------|----------------|
| FS*=Total no. of final year students           | 102.00        | 71.00          | 75.00          |
| X=No. of students placed                       | 33.00         | 38.00          | 31.00          |
| Y=No. of students admitted to higher studies   | 3.00          | 0.00           | 4.00           |
| Z= No. of students taking up entrepreneurship  | 0.00          | 2.00           | 0.00           |
| Placement Index(P) = (((X + Y + Z)/FS) * 100): | 35.29         | 56.34          | 46.67          |

Average Placement Index = (P\_1 + P\_2 + P\_3)/3: 46.10 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) | Curr Assoc (Y/N) |
|-------|----------------------------------|-------------|----------------|-----------------------------------------------------------------------|-------------------------|-------------------------------------|------------------------------------------|-------------------------------------------------|---------------------|-----------------------------------------------------------------------|---------------------------------------------------|------------------|
| 1     | Dr. Anita Keshav Patil           | XXXXXXXX66C | Ph.D           | North Maharashtra University , Jalgaon                                | Electronics Engineering | 19/07/2002                          | 23.8                                     | Lecturer                                        | Professor           | 26/10/2017                                                            | Regular                                           | Yes              |
| 2     | Dr.Mrs.Satyawati Sharad Magar    | XXXXXXXX37G | Ph.D           | Karpagam Academy of Higher Education, Karpagam University, Coimbatore | Electronics Engineering | 20/07/2001                          | 24.8                                     | Lecturer                                        | Associate Professor | 01/10/2011                                                            | Regular                                           | Yes              |
| 3     | Dr. Nilkanth Mukund Deshpande    | XXXXXXXX11H | Ph.D           | Symbiosis International University, Pune                              | Signal processing       | 01/02/2005                          | 19.2                                     | Lecturer                                        | Assistant Professor |                                                                       | Regular                                           | No               |
| 4     | Miss Jyoti Prakash Botkar        | XXXXXXXX15E | M.E.           | Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.             | Electronics Engineering | 06/07/2006                          | 19.8                                     | Lecturer                                        | Assistant Professor |                                                                       | Regular                                           | Yes              |
| 5     | Mrs. Pournima Prabhakar Bhalerao | XXXXXXXX83J | M.E.           | Savitribai Phule Pune University, Pune                                | VLSI & Embedded System  | 15/01/2007                          | 19.2                                     | Lecturer                                        | Assistant Professor |                                                                       | Regular                                           | Yes              |
| 6     | Shri.Amol Ramdas Landge          | XXXXXXXX65K | M.E.           | Savitribai Phule Pune University, Pune                                | VLSI & Embedded System  | 29/12/2007                          | 18.2                                     | Lecturer                                        | Assistant Professor |                                                                       | Regular                                           | Yes              |

|    |                                |             |      |                                                 |                                            |            |       |                     |                     |            |         |     |
|----|--------------------------------|-------------|------|-------------------------------------------------|--------------------------------------------|------------|-------|---------------------|---------------------|------------|---------|-----|
| 7  | Dr. Sandeep Rajendra Udawant   | XXXXXXXX13P | Ph.D | Om Prakash Joginder Singh University, Rajasthan | Communication and Digital Image Processing | 05/02/2008 | 18.1  | Lecturer            | Associate Professor | 01/04/2023 | Regular | Yes |
| 8  | Shri. Chaitanya Kiran Kalawade | XXXXXXXX25E | M.E. | Savitribai Phule Pune University, Pune          | VLSI & Embedded System                     | 10/07/2009 | 16.8  | Lecturer            | Assistant Professor |            | Regular | Yes |
| 9  | Shri. Manoj Bhagawanrao Avhad  | XXXXXXXX20P | M.E. | Savitribai Phule Pune University, Pune          | VLSI & Embedded System                     | 27/01/2010 | 16.1  | Lecturer            | Assistant Professor |            | Regular | Yes |
| 10 | Shri.Ravindra Janardan Lawande | XXXXXXXX95E | M.E. | Savitribai Phule Pune University, Pune          | VLSI & Embedded System                     | 21/01/2011 | 15.2  | Lecturer            | Assistant Professor |            | Regular | Yes |
| 11 | Dr. Aniket Uttamrao Vikhe      | XXXXXXXX19B | Ph.D | Om Prakash Joginder Singh University, Rajasthan | Electronics and Communication              | 05/04/2014 | 11.11 | Assistant Professor | Assistant Professor |            | Regular | Yes |
| 12 | Mrs.Pradnya Sunil Kharde       | XXXXXXXX69E | M.E. | Savitribai Phule Pune University, Pune          | VLSI & Embedded System                     | 01/08/2023 | 2.7   | Assistant Professor | Assistant Professor |            | Regular | Yes |
| 13 | Miss Vandana Laxman Bade       | XXXXXXXX73K | M.E. | Savitribai Phule Pune University, Pune          | VLSI & Embedded System                     | 01/08/2023 | 2.7   | Assistant Professor | Assistant Professor |            | Regular | Yes |
| 14 | Miss Jyoti Appasaheb Lokhande  | XXXXXXXX04C | M.E. | Savitribai Phule Pune University, Pune          | VLSI & Embedded System                     | 03/10/2023 | 2.5   | Assistant Professor | Assistant Professor |            | Regular | Yes |
| 15 | Dr. Vandana Sudhakar Dhawane   | XXXXXXXX43E | Ph.D | Savitribai Phule Pune University, Pune          | ENTC                                       | 12/08/1998 | 27.7  | Lecturer            | Associate Professor | 01/01/2011 | Regular | Yes |

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

**C2. Student-Faculty Ratio (SFR)**

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

**B**= No. of Students in UG 2nd year (ST)

**C**= No. of Students in UG 3rd year (ST)

**D**= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

**A**= No. of Students in PG 1st year

**B**= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

**No. of students (ST)**=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

**F**=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

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

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

| Description | CAY(2025-26) | CAYm1 (2024-25) | CAYm2 (2023-24) |
|-------------|--------------|-----------------|-----------------|
| UG1.B       | 66           | 66              | 66              |
| UG1.C       | 66           | 66              | 66              |
| UG1.D       | 66           | 66              | 66              |

| Description                                                                         | CAY(2025-26)       | CAYm1 (2024-25)    | CAYm2 (2023-24)    |
|-------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|
| <b>UG1: Electronics and Telecommunication Engineering</b>                           | <b>198</b>         | <b>198</b>         | <b>198</b>         |
| PG1.A                                                                               | 6                  | 0                  | 0                  |
| PG1.B                                                                               | 0                  | 0                  | 0                  |
| <b>PG1: VLSI &amp; Embedded Systems</b>                                             | <b>6</b>           | <b>0</b>           | <b>0</b>           |
| DS=Total no. of students in all UG and PG programs in the Department                | 204                | 198                | 198                |
| AS=Total no. of students of all UG and PG programs in allied departments            | 0                  | 0                  | 0                  |
| S=Total no. of students in the Department (DS) and allied departments (AS)          | <b>S1= 204</b>     | <b>S2= 198</b>     | <b>S3= 198</b>     |
| DF=Total no. of faculty members in the Department                                   | 14                 | 14                 | 13                 |
| AF= Total no. of faculty members in the allied Departments                          | 0                  | 0                  | 0                  |
| F=Total no. of faculty members in the Department (DF) and allied Departments (AF)   | <b>F1= 14</b>      | <b>F2= 14</b>      | <b>F3= 13</b>      |
| FF=The faculty members in F who have a 100% teaching load in the first-year courses | 2                  | 2                  | 2                  |
| Student Faculty Ratio (SFR)=S/(F-FF)                                                | <b>SFR1= 17.00</b> | <b>SFR2= 16.50</b> | <b>SFR3= 18.00</b> |
| Average SFR for 3 years                                                             | <b>SFR= 17.17</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 = $2.5 \times [(10X + 4Y) / RF]$ |
|----------------|---|---|-------|-------------------------------------|
| 2025-26(CAY)   | 5 | 9 | 10.00 | 21.50                               |
| 2024-25(CAYm1) | 5 | 9 | 9.00  | 23.89                               |
| 2023-24(CAYm2) | 4 | 9 | 9.00  | 21.11                               |

### 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 |
| 2025-26 | 1.00         | 1.00          | 2.00                 | 3.00          | 6.00                 | 10.00         |
| 2024-25 | 1.00         | 1.00          | 2.00                 | 3.00          | 6.00                 | 10.00         |
| 2023-24 | 1.00         | 1.00          | 2.00                 | 2.00          | 6.00                 | 10.00         |
| Average | RF1=1.00     | AF1=1.00      | RF2=2.00             | AF2=2.67      | RF2=6.00             | AF2=10.00     |

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

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

(CAYm1)

(CAYm2)

(CAYm3)

### C6. Academic Research

Table No. C6.1: Faculty publication details.

| S.No. | Item                                             | 2024-25<br>(CAYm1) | 2023-24<br>(CAYm2) | 2022-23<br>(CAYm3) |
|-------|--------------------------------------------------|--------------------|--------------------|--------------------|
| 1     | No. of peer reviewed journal papers published    | 5                  | 7                  | 16                 |
| 2     | No. of peer reviewed conference papers published | 6                  | 1                  | 2                  |
| 3     | No. of books/book chapters published             | 0                  | 3                  | 0                  |

**C7. Sponsored Research Project**

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

(CAYm2)

(CAYm3)

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

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

**C8. Consultancy Work**

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

(CAYm1)

(CAYm2)

(CAYm3)

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

(CAYm2)

(CAYm3)

**Total amount (Lacs) received for the past 3 years :****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      | Communication Lab                        | 4                                         | Spectrum Analyzer , Digital storage oscilloscope (DSO)                                                  | 14                                                                       | Miss D.S.Bhos               | Lab Assistant | B.E. Electronic |
| 2      | Power Electronics Lab                    | 4                                         | Optical Time-Domain Reflecto-meter , Spectrum Analyzer                                                  | 16                                                                       | Miss D.S.Bhos               | Lab Assistant | B.E. Electronic |
| 3      | Micro-Wave and Optical communication Lab | 4                                         | Compact Microwave training kit , 3G Communication System , Fiber Optic Training Kit , Universal Optical | 16                                                                       | Shri V.R.Sona               | Lab Assistant | ITI             |

|   |                         |    |                                                                                     |    |                 |                |                 |
|---|-------------------------|----|-------------------------------------------------------------------------------------|----|-----------------|----------------|-----------------|
| 4 | Digital Electronics Lab | 4  | Cathode ray Oscilloscope, Dual Power Supply, Function Generator                     | 06 | Shri V.R.Sona   | Lab Assistant  | ITI             |
| 5 | VLSI Lab                | 4  | Matrix II hardware platform (Spartan 6), Xilinx 14.716                              | 14 | Shri. V.S.Shirs | Lab Technician | Diploma in Ind  |
| 6 | Microcontroller Lab     | 4  | PIC18f458 Development boards, LPC2148, Development board, ARM Cortex M4 Development | 16 | Shri. V.S.Shirs | Lab Technician | Diploma in Ind  |
| 7 | Programming Lab         | 20 | Software Python, DEV C                                                              | 10 | Miss D.S.Bhos   | Lab Assistant  | B.E. Electronic |
| 8 | PG Research Lab         | 6  | Software LT-Spice, NS2                                                              | 08 | Miss D.S.Bhos   | Lab Assistant  | B.E. Electronic |

**D2. Safety Measures in Laboratories**

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

| Sr. No | Laboratory Name                       | Safety Measures                                                                                                                                                                                                                                                                                                                                                                |
|--------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Communication lab                     | 1. Boards displaying dos and don'ts are installed in the laboratories. 2. Electrical circuits are protected by MCBs (Miniature Circuit Breakers). 3. Proper earthing of all equipment is ensured. 4. Periodic maintenance of laboratory equipment is carried out regularly.                                                                                                    |
| 2      | Power Electronics                     | 1. Boards displaying dos and don'ts are installed in the laboratories. 2. Electrical circuits are protected by MCBs (Miniature Circuit Breakers). 3. Proper earthing of all equipment is ensured. 4. Periodic maintenance of laboratory equipment is carried out regularly. 5. Adequate fire safety equipment, including fire extinguishers, is available in all laboratories. |
| 3      | Microwave & Optical Communication Lab | 1. Boards displaying dos and don'ts are installed in the laboratories. 2. Electrical circuits are protected by MCBs (Miniature Circuit Breakers). 3. Proper earthing of all equipment is ensured. 4. Periodic maintenance of laboratory equipment is carried out regularly.                                                                                                    |
| 4      | Digital Electronics Lab               | 1. Boards displaying dos and don'ts are installed in the laboratories. 2. Electrical circuits are protected by MCBs (Miniature Circuit Breakers). 3. Proper earthing of all equipment is ensured. 4. Periodic maintenance of laboratory equipment is carried out regularly.                                                                                                    |
| 5      | VLSI Lab                              | 1. Boards displaying dos and don'ts are installed in the laboratories. 2. Electrical circuits are protected by MCBs (Miniature Circuit Breakers). 3. Proper earthing of all equipment is ensured. 4. Periodic maintenance of laboratory equipment is carried out regularly.                                                                                                    |
| 6      | Microcontroller Lab                   | 1. Boards displaying dos and don'ts are installed in the laboratories. 2. Electrical circuits are protected by MCBs (Miniature Circuit Breakers). 3. Proper earthing of all equipment is ensured. 4. Periodic maintenance of laboratory equipment is carried out regularly.                                                                                                    |
| 7      | Programming Lab                       | 1. Boards displaying dos and don'ts are installed in the laboratories. 2. Electrical circuits are protected by MCBs (Miniature Circuit Breakers). 3. Proper earthing of all equipment is ensured. 4. Periodic maintenance of laboratory equipment is carried out regularly.                                                                                                    |
| 8      | PG Research Lab                       | 1. Boards displaying dos and don'ts are installed in the laboratories. 2. Electrical circuits are protected by MCBs (Miniature Circuit Breakers). 3. Proper earthing of all equipment is ensured. 4. Periodic maintenance of laboratory equipment is carried out regularly.                                                                                                    |

**D3. Project Laboratory/Research Laboratory**

|  |
|--|
|  |
|--|

**PART E: First Year faculty and financial Resources****(Data to be filled in for the first year course faculty and budget allocation and utilization)****E1. First Year Student-Faculty Ratio (FYSFR)**

Table No. E1.1: FYSFR details.



| Year           | Sanctioned intake of all UG programs (S4) | No. of required faculty (RF4= S4/20) | No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1) | No. of faculty members in Engineering Science Courses (NS2) | Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF |
|----------------|-------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 2023-24(CAYm2) | 480                                       | 24                                   | 19                                                                                                                  | 22                                                          | 82                                                                                                                                 |
| 2024-25(CAYm1) | 600                                       | 30                                   | 21                                                                                                                  | 23                                                          | 71                                                                                                                                 |
| 2025-26(CAY)   | 600                                       | 30                                   | 24                                                                                                                  | 25                                                          | 81                                                                                                                                 |

## E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

| Items                                  | Budgeted in 2025-26 | Actual Expenses in 2025-26 till | Budgeted in 2024-25 | Actual Expenses in 2024-25 till | Budgeted in 2023-24 | Actual Expenses in 2023-24 till | Budgeted in 2022-23 | Actual Expenses in 2022-23 till |
|----------------------------------------|---------------------|---------------------------------|---------------------|---------------------------------|---------------------|---------------------------------|---------------------|---------------------------------|
| Infrastructure Built-Up                | 5007000             | 6985903                         | 18250000            | 21734113                        | 6113000             | 10549593                        | 4793000             | 9041736                         |
| Library                                | 2980000             | 1745809                         | 2560000             | 1531670                         | 2105000             | 1487956                         | 1750000             | 1014944                         |
| Laboratory equipment                   | 48285000            | 8018878                         | 13976000            | 7607637                         | 13342000            | 12521226                        | 7041000             | 8631181                         |
| Teaching and non-teaching staff salary | 253852000           | 160484763                       | 185880000           | 140764587                       | 130104000           | 133327337                       | 107926000           | 106584873                       |
| Outreach Programs                      | 60000               | 115126                          | 60000               | 60245                           | 60000               | 116250                          | 0                   | 13220                           |
| R&D                                    | 1726000             | 1692883                         | 1635000             | 599301                          | 1060000             | 352392                          | 4650000             | 707273                          |
| Training, Placement and Industry       | 3645000             | 3132462                         | 2635000             | 641398                          | 1716000             | 3493291                         | 585000              | 1343895                         |
| SDGs                                   | 0                   | 0                               | 495318              | 495318                          | 95200               | 95200                           | 0                   | 0                               |
| Entrepreneurship                       | 0                   | 0                               | 0                   | 0                               | 0                   | 0                               | 0                   | 0                               |
| Others, specify                        | 41981000            | 19231461                        | 38303000            | 48766691                        | 27460000            | 28749012                        | 24301000            | 28576311                        |
| <b>Total</b>                           | <b>357536000</b>    | <b>201407285</b>                | <b>263794318</b>    | <b>222200960</b>                | <b>182055200</b>    | <b>190692257</b>                | <b>151046000</b>    | <b>155913433</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 2025-26 | Actual Expenses in 2025-26 till | Budgeted in 2024-25 | Actual Expenses in 2024-25 till | Budgeted in 2023-24 | Actual Expenses in 2023-24 till | Budgeted in 2022-23 | Actual Expenses in 2022-23 till |
|---------------------------------------|---------------------|---------------------------------|---------------------|---------------------------------|---------------------|---------------------------------|---------------------|---------------------------------|
| Laboratory equipment                  | 1550561             | 945935                          | 1566836             | 1016845                         | 1706464             | 1113775                         | 407413              | 495974                          |
| Software                              | 4296282             | 25073                           | 459453              | 86136                           | 542414              | 996757                          | 157494              | 93499                           |
| SDGs                                  | 0                   | 0                               | 71813               | 71813                           | 16047               | 16047                           | 0                   | 0                               |
| Support for faculty development       | 0                   | 0                               | 0                   | 0                               | 0                   | 0                               | 0                   | 0                               |
| R & D                                 | 209002              | 204992                          | 237048              | 86889                           | 178670              | 59398                           | 373074              | 56745                           |
| Industrial Training, Industry expert, | 204992              | 379311                          | 382031              | 92992                           | 289243              | 588816                          | 46935               | 107822                          |
| Miscellaneous Expenses*               | 5083490             | 2328743                         | 5553302             | 7070364                         | 4628556             | 4845827                         | 1949695             | 2292708                         |

|       |          |         |         |         |         |         |         |         |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|
| Total | 11344327 | 3884054 | 8270483 | 8425039 | 7361394 | 7620620 | 2934611 | 3046748 |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|