| | |
|---|---|
| **Program Name** : Electronics & Communication Engineering | **Discipline**: Engineering & Technology |
| **Level** : Under Graduate | **Tier**: 1 |
| **Application No**: 11321 | **Date of Submission**: 23-12-2025 |

# PART A- Profile of the Institute

| | |
|---|---|
| **A1.Name of the Institute**: SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE,BHIMAVARAM,ANDHRA PRADESH | |
| Year of Establishment : 1980,1992 | Location of the Institute: SRKR Marg China Amiram |
| **A2. Institute Address**:BHIMAVARAM,ANDHRA PRADESH | |
| City:--Select-- | State:Andhra Pradesh |
| Pin Code:534204 | Website:www.srkrec.ac.in |
| Email:PRINCIPAL@SRKREC.AC.IN | Phone No(with STD Code):08816-223332 |
| **A3. Name and Address of the Affiliating University (if any)**: | |
| Name of the University : Jawaharlal Nehru Technological University, Kakinad | City: east Godavari |
| State : Andhra Pradesh | Pin Code: 533003 |
| **A4. Type of the Institution**: Autonomous CAY(2016-17) | |
| **A5. Ownership Status**: Self financing | |

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

- No. of UG programs: **12**
- No. of PG programs: **6**

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 | 2020 | -- | Information Technology |
| 2 | Engineering & Technology | UG | Artificial Intelligence and Machine Learning | 2021 | -- | Computer Science and Engineering |
| 3 | Engineering & Technology | PG | CAD/CAM | 2003 | -- | Mechanical Engineering |
| 4 | Engineering & Technology | UG | Civil Engineering | 1980 | -- | Civil Engineering |
| 5 | Engineering & Technology | PG | Communication Systems | 2006 | -- | Electronics and Communication Engineering |
| 6 | Engineering & Technology | UG | Computer Science & Information Technology | 2023 | -- | Information Technology |
| 7 | Engineering & Technology | PG | Computer Science & Technology | 2006 | -- | Computer Science and Engineering |
| 8 | Engineering & Technology | UG | Computer Science and Business System | 2020 | -- | Information Technology |

| 9 | Engineering & Technology | UG | Computer Science and Design | 2021 | -- | Computer Science and Engineering |
| 10 | Engineering & Technology | UG | Computer Science and Engineering | 1991 | -- | Computer Science and Engineering |
| 11 | Engineering & Technology | UG | Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology) | 2022 | -- | Computer Science and Engineering |
| 12 | Engineering & Technology | UG | Electrical & Electronics Engineering | 1994 | -- | Electrical and Electronics Engineering |
| 13 | Engineering & Technology | UG | Electronics & Communication Engineering | 1980 | -- | Electronics and Communication Engineering |
| 14 | Engineering & Technology | UG | Information Technology | 1999 | -- | Information Technology |
| 15 | Engineering & Technology | PG | Information Technology | 2006 | -- | Information Technology |
| 16 | Engineering & Technology | UG | Mechanical Engineering | 1980 | -- | Mechanical Engineering |
| 17 | Engineering & Technology | PG | Power Systems & Automation Engineering | 2010 | -- | Electrical and Electronics Engineering |
| 18 | Engineering & Technology | PG | Structural Engineering | 2009 | -- | Civil 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 |
| --- | --- | --- | --- |
| Electrical and Electronics Engineering | No | Electrical & Electronics Engineering | UG |
| Mechanical Engineering | No | Mechanical Engineering | UG |
| Civil Engineering | No | Civil Engineering | UG |
| Electronics and Communication Engineering | No | Electronics & Communication 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/COMPETENT AUTHORITY ARROVAL DETAILS | ACCREDITATION STATUS | FROM | TO | NO. OF TIMES PROGRA ACCRED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Electronics & Communication Engineering | UG | 1980 / -- | 240 | Yes | 2024 | 240 | 2024 | South-Central/1-43655977681/2024/EOA | Granted accreditation for 3 years for the period (specify period) | 2023 | 2026 | 5 |

**Sanctioned Intake for Last Five Years for the Communication Systems**

| Academic Year | Sanctioned Intake |
|---|---|
| 2025-26 | 240 |
| 2024-25 | 180 |
| 2023-24 | 240 |
| 2022-23 | 240 |
| 2021-22 | 240 |
| 2020-21 | 240 |

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. Satti Sudha Mohan Reddy |
|---|---|
| B. Nature of appointment: | Regular |
| C. Qualification: | M.Tech and 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) | 240 | 180 | 240 | 240 | 240 | 240 | 240 |
| 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 | 233 | 174 | 192 | 226 | 239 | 233 | 233 |
| N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats | 0 | 23 | 70 | 25 | 24 | 24 | 24 |
| N3=Separate division if any | 24 | 18 | 24 | 24 | 24 | 24 | 24 |
| 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. | 257 | 215 | 286 | 275 | 287 | 281 | 281 |
|---|---|---|---|---|---|---|---|

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) | 240 | 233 | 0 | 97.08 |
| 2024-25 (CAYm1) | 180 | 174 | 0 | 96.67 |
| 2023-24 (CAYm2) | 240 | 192 | 0 | 80.00 |

Average [ (ER1 + ER2 + ER3) / 3 ] = 91.25≡ 20.00

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

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

| Item | (2021-22) LYG | (2020-21) LYGm1 | (2019-20) LYGm2 |
|---|---|---|---|
| A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any). | 287.00 | 281.00 | 281.00 |
| B=No. of students who graduated from the program in the stipulated course duration | 170.00 | 156.00 | 159.00 |
| Success Rate (SR)= (B/A) * 100 | 59.23 | 55.52 | 56.58 |

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 57.11

**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 ) |
|---|---|---|---|
| Mean of CGPA or mean percentage of all successful students(X) | 7.60 | 8.30 | 8.18 |
| Y=Total no. of successful students | 164.00 | 171.00 | 198.00 |
| Z=Total no. of students appeared in the examination | 192.00 | 216.00 | 250.00 |
| API [X*(Y/Z)] | 6.49 | 6.57 | 6.48 |

Average API[ (AP1+AP2+AP3)/3 ] : 6.51

**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) | 8.10 | 8.30 | 8.28 |
| Y=Total no. of successful students | 195.00 | 161.00 | 184.00 |
| Z=Total no. of students appeared in the examination | 260.00 | 249.00 | 264.00 |
| API [ X * (Y/Z) ] | 6.08 | 5.37 | 5.77 |

Average API [ (AP1 + AP2 + AP3)/3 ] : 5.74

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

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

| Academic Performance | CAYm1 (2024-25) | CAYm2 (2023-24) | CAYm3 (2022-23) |
|---|---|---|---|
| X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10) | 8.07 | 8.19 | 8.18 |
| Y=Total no. of successful students | 153.00 | 171.00 | 157.00 |
| Z=Total no. of students appeared in the examination | 161.00 | 184.00 | 165.00 |
| API [ X*(Y/Z) ]: | 7.67 | 7.61 | 7.78 |

Average API [ (AP1 + AP2 + AP3)/3 ] :  7.69

**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 | 264.00 | 264.00 | 264.00 |
| X=No. of students placed | 119.00 | 113.00 | 214.00 |
| Y=No. of students admitted to higher studies | 7.00 | 5.00 | 8.00 |
| Z= No. of students taking up entrepreneurship | 0.00 | 0.00 | 0.00 |
| Placement Index(P) = (((X + Y + Z)/FS) * 100): | 47.73 | 44.70 | 84.09 |

Average Placement Index = (P_1 + P_2 + P_3)/3:  58.84 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. Satti Sudha Mohan Reddy | XXXXXXX84K | M.Tech and Ph.D. | Andhra University | Antennas | 01/11/2000 | 25.1 | Assistant Professor | Professor | 03/01/2022 | Regular | Yes | | Yes |
| 2 | Dr. Nadakuduru Udaya Kumar | XXXXXXX11D | M.Tech and Ph.D. | JNTUH | Image processing | 01/10/1992 | 33.2 | Lecturer | Professor | 01/12/2006 | Regular | Yes | | No |
| 3 | Dr. Bhupathiraju Venkata Satya Suryanarayana Raju | XXXXXXX79H | M.E. and Ph.D. | Osmania Univarsity | Electronics and Communication Engineering | 22/06/1992 | 33.5 | Lecturer | Professor | 01/12/2006 | Regular | Yes | | No |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | Gannabathula Venkata Someswara Padma Rao | XXXXXXX52P | M.Tech | Guru Jambheshwar University | Electronics and Communication Engineering | 15/10/1997 | 28.2 | Assistant Professor | Professor | 01/12/2006 | Regular | Yes | | No |
| 5 | Dr. Yarramala Ramalakshmanna | XXXXXXX65A | M.Tech and Ph.D. | Annamalai University | Bio Medical Signal Processing | 27/11/2000 | 25 | Assistant Professor | Associate Professor | 01/01/2009 | Regular | Yes | | No |
| 6 | Dr. Gubbala Naga Raju | XXXXXXX87R | M.E. and Ph.D. | KL deemed to be university | Image processing | 12/07/2004 | 21.4 | Assistant Professor | Associate Professor | 05/08/2023 | Regular | Yes | | No |
| 7 | Dr. Tirumani V.Hyma Lakshmi | XXXXXXX39F | M.Tech and Ph.D. | KL deemed to be university | Image processing | 28/01/2006 | 19.10 | Assistant Professor | Associate Professor | 16/10/2023 | Regular | Yes | | No |
| 8 | Dr. Bala Sindhuri Kandula | XXXXXXX92R | M.Tech and Ph.D. | JNTUK | VLSI and Signal Processing | 03/01/2011 | 14.11 | Assistant Professor | Associate Professor | 15/02/2024 | Regular | Yes | | No |
| 9 | Dr. Rudraraju Krishna Chaitanya | XXXXXXX07K | M.Tech and Ph.D. | Andhra University | Antennas | 17/06/2005 | 20.5 | Assistant Professor | Associate Professor | 09/08/2024 | Regular | Yes | | No |
| 10 | Dr. Bandi Sanjay | XXXXXXX48L | M.Tech and Ph.D. | KL deemed to be university | Antennas | 01/10/2012 | 13.2 | Assistant Professor | Associate Professor | 25/08/2025 | Regular | Yes | | No |
| 11 | Talari Venkata Syamala Raju | XXXXXXX34M | M.Tech | Andhra University | Communication Systems | 10/07/2007 | 18.5 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 12 | Dr. Penmatsa Krishna Kanth Varma | XXXXXXX09N | M.Tech and Ph.D. | Visvesvaraya Technological University | Antennas | 01/09/2009 | 16.3 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 13 | Kalidindi N.V. Suresh Varma | XXXXXXX81G | M.Tech | Nagarjuna University | Communication & Radar | 08/11/2011 | 14.1 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 14 | Buddaraju Revathi | XXXXXXX55K | M.Tech | Andhra University | Communication Systems | 02/07/2012 | 13.5 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 15 | Dr. Kanuboyina Satyanarayana Naga V | XXXXXXX25E | M.Tech and Ph.D. | Annamalai University | Biomedical Image and Signal Processing | 02/07/2012 | 13.5 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 16 | Gamini Prathima | XXXXXXX35H | M.Tech | Andhra University | Communication Systems | 13/07/2012 | 13.4 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 17 | Thammisetty V.Narayana | XXXXXXX89H | M.Tech | Andhra University | Communication Systems | 01/10/2012 | 13.2 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 18 | Vadlamudi Ramakrishna | XXXXXXX27F | M.Tech | Andhra University | Communication Systems | 01/10/2012 | 13.2 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 19 | Bugge Bhagya Prasad | XXXXXXX63M | M.Tech | Andhra University | Communication Systems | 01/10/2012 | 13.2 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 20 | Dantuluri Bhavani | XXXXXXX17P | M.Tech | JNTUH | VLSID | 15/07/2015 | 10.4 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |

| # | Name | ID | Qualification | University | Specialization | Date | Exp | Designation | Designation | | Nature | | | |
|---|------|-----|--------------|-----------|----------------|------|-----|-------------|-------------|--|--------|--|--|--|
| 21 | Dr. Kanumuri Chalapathi Raju | XXXXXXX03R | M.Tech and Ph.D. | Visvesvaraya Technological University | Image Processing | 15/07/2015 | 10.4 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 22 | D. V N. Bharathi | XXXXXXX08H | M.Tech | Andhra University | Communication Systems | 15/07/2015 | 10.4 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 23 | Dr. Jampani Ravi | XXXXXXX82G | M.Tech and Ph.D. | Sathyabama University | Image processing | 15/07/2016 | 9.4 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 24 | Kolli Venkatrao | XXXXXXX86P | M.Tech | Andhra University | Communication Systems | 18/07/2016 | 9.4 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 25 | Bokka Tapasvi | XXXXXXX69G | M.Tech | Andhra University | Communication Systems | 10/07/2015 | 10.4 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 26 | Dr. Vegesna Nagavalli | XXXXXXX97G | M.Tech and Ph.D. | Annamalai University | Antennas | 02/11/2016 | 9.1 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 27 | Kalidindi Lakshmi Divya | XXXXXXX36G | M.Tech | JNTUK | VLSID | 02/11/2016 | 9.1 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 28 | Penmetsa Kanaka Raju | XXXXXXX91C | M.Tech | JNTUK | VLSI and Embedded Systems | 02/11/2016 | 9.1 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 29 | Nakka Kishore Chandra Dev | XXXXXXX16D | M.Tech | Andhra University | Communication Systems | 04/11/2016 | 9.1 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 30 | Tirumani Nalini Prasad | XXXXXXX24K | M.Tech | Andhra University | Communication Systems | 12/04/2017 | 8.7 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 31 | M.Praveen Kumar | XXXXXXX61D | M.Tech | Andhra University | Communication Systems | 04/11/2016 | 9.1 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 32 | Nandula Venkata Phani Sai Kumar | XXXXXXX59M | M.Tech | Andhra University | Communication Systems | 17/06/2017 | 8.5 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 33 | Y Sai Sundara Sriramam | XXXXXXX05P | M.Tech | JNTUK | Electronics and Communication Engineering | 27/11/2019 | 6 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 34 | K.Phani Varma | XXXXXXX18D | M.Tech | JNTUH | VLSI | 02/03/2020 | 5.9 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 35 | R. Devi | XXXXXXX16N | M.Tech | JNTUK | VLSI | 15/03/2021 | 4.8 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 36 | Dr. S Swathi | XXXXXXX26Q | M.Tech and Ph.D. | Nirwan University | VLSI | 01/04/2021 | 4.8 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 37 | P S S N Mowlika | XXXXXXX24J | M.Tech | JNTUK | VLSI | 23/02/2022 | 3.9 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 38 | Dr. A V S Surya Varma | XXXXXXX40A | M.Tech and Ph.D. | KL deemed to be university | VLSI and Communications | 01/11/2022 | 3.1 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |

| 39 | Dr.M Satish Kumar | XXXXXXX63L | M.Tech and Ph.D. | Acharya Nagarjuna University | Antennas:EMI/EMC in Design | 01/12/2022 | 3 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | D.Rajeswari | XXXXXXX11G | M.Tech | JNTUK | Digital Electronics and Communication Systems | 01/08/2023 | 2.4 | Assistant Professor | Assistant Professor | | Regular | Yes | | No |
| 41 | Mudunuri Vijaya Rama Raju | XXXXXXX06A | M.E. | Andhra University | Electronics and Instrumentation | 20/11/1998 | 26.5 | Assistant Professor | Associate Professor | 01/11/2008 | Regular | No | 16/04/2025 | No |
| 42 | Dr. U. Sreenivasulu | XXXXXXX68A | M.Tech and Ph.D. | JNTUH | Wireless Communication and Networks | 04/11/2022 | 1.8 | Assistant Professor | Assistant Professor | | Regular | No | 22/07/2024 | No |

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 | 198 | 264 | 264 |
| UG1.C | 264 | 264 | 264 |
| UG1.D | 264 | 264 | 264 |
| **UG1: Electronics & Communication Engineering** | **726** | **792** | **792** |
| PG1.A | 6 | 6 | 6 |
| PG1.B | 6 | 6 | 6 |
| **PG1: Communication Systems** | **12** | **12** | **12** |
| DS=Total no. of students in all UG and PG programs in the Department | 738 | 804 | 804 |
| AS=Total no. of students of all UG and PG programs in allied departments | 0 | 0 | 0 |
| S=Total no. of students in the Department (DS) and allied departments (AS) | **S1=** 738 | **S2=** 804 | **S3=** 804 |

| Description | CAY(2025-26) | CAYm1 (2024-25) | CAYm2 (2023-24) |
|---|---|---|---|
| DF=Total no. of faculty members in the Department | 40 | 40 | 42 |
| AF= Total no. of faculty members in the allied Departments | 0 | 0 | 0 |
| F=Total no. of faculty members in the Department (DF) and allied Departments (AF) | **F1=** 40 | **F2=** 40 | **F3=** 42 |
| 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) | **SFR1= 19.42** | **SFR2= 21.16** | **SFR3= 20.10** |
| Average SFR for 3 years | **SFR= 20.23** | | |

## 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 )] |
|---|---|---|---|---|
| 2025-26(CAY) | 15 | 25 | 36.00 | 17.36 |
| 2024-25(CAYm1) | 12 | 28 | 40.00 | 14.50 |
| 2023-24(CAYm2) | 10 | 32 | 40.00 | 14.25 |

## 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 |
| 2025-26 | 4.00 | 3.00 | 8.00 | 5.00 | 24.00 | 32.00 |
| 2024-25 | 4.00 | 3.00 | 8.00 | 4.00 | 26.00 | 33.00 |
| 2023-24 | 4.00 | 3.00 | 8.00 | 1.00 | 26.00 | 38.00 |
| Average | RF1=4.00 | AF1=3.00 | RF2=8.00 | AF2=3.33 | RF2=25.33 | AF2=34.33 |

## 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

<div align="center">Table No. C6.1: Faculty publication details.</div>

| S.No. | Item | 2024-25 (CAYm1) | 2023-24 (CAYm2) | 2022-23 (CAYm3) |
|---|---|---|---|---|
| 1 | No. of peer reviewed journal papers published | 20 | 21 | 24 |
| 2 | No. of peer reviewed conference papers published | 39 | 25 | 14 |
| 3 | No. of books/book chapters published | 10 | 13 | 6 |

## C7. Sponsored Research Project

<div align="center">Table No. C7.1: List of sponsored research projects received from external agencies.</div>

**(CAYm1)**

| PI Name | Co-PI names if any | Name of the Dept., where project is sanctioned | Project Title* | Name of the Funding agency | Duration of the project | Amount(Lacs) i.e. 15,25,000=15.25 |
|---|---|---|---|---|---|---|
| Dr.G Harish Kumar Varma | Dr.K.Chalapathi Raju | SRKREC | Science Technology and Innovation Driven Inland Aquaculture Hub for Bhimavaram Suburbs | DST | 2024-25 | 96.01 |
| | | | | | | Amount received (Rs.):96.01 |

**(CAYm2)**

| PI Name | Co-PI names if any | Name of the Dept., where project is sanctioned | Project Title* | Name of the Funding agency | Duration of the project | Amount(Lacs) i.e. 15,25,000=15.25 |
|---|---|---|---|---|---|---|
| Dr.N.Udaya Kumar | | SRKREC,ECE | Drones in Disaster Management | MSME | 2 Years | 8.00 |
| | | | | | | Amount received (Rs.):8.00 |

**(CAYm3)**

**Total Amount (Lacs) Received for the Past 3 Years:   104.01**

**Note*:**

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

## C8. Consultancy Work

<div align="center">Table No. C8.1: List of consultancy projects received from external agencies.</div>

**(CAYm1)**

| PI Name | Co-PI names if any | Name of the Dept., where project is sanctioned | Project Title* | Name of the Funding agency | Duration of the project | Amount(Lacs) i.e. 15,25,000=15.25 |
|---|---|---|---|---|---|---|
| Dr.N.Udaya Kumar | Dr.K.Bala sindhuri, Sri.K.Venkatrao | ECE | Audio Signal Pre-Processing | Salicit Technologies Private Limited, Hyderabad | 3 Years | 1.74 |
| | | | | | | Amount received (Rs.):1.74 |

**(CAYm2)**

| PI Name | Co-PI names if any | Name of the Dept., where project is sanctioned | Project Title* | Name of the Funding agency | Duration of the project | Amount(Lacs) i.e. 15,25,000=15.25 |
|---|---|---|---|---|---|---|
| Dr.N.Udaya Kumar | Dr.K.Bala sindhuri, Sri.K.Venkatrao | ECE | Audio Signal pre-processing | Salicit Technologies Private Limited, Hyderabad | 2 Years | 1.74 |
| Dr. B T P Madhav | Dr. S S Mohan Reddy | ECE | Development of Fabric/Textile Substrate Based MIMO antennas and Frequency Selective Surfaces for Wireless Body Area Network (WBAN) Applications | BHASKAR ENTERPRISES, ADAVINEKKALAM, KRISHNA DIST. | 1 Month | 0.45 |
| | | | | | | Amount received (Rs.):2.19 |

**(CAYm3)**

| PI Name | Co-PI names if any | Name of the Dept., where project is sanctioned | Project Title* | Name of the Funding agency | Duration of the project | Amount(Lacs) i.e. 15,25,000=15.25 |
|---|---|---|---|---|---|---|
| Dr.N.Udaya Kumar | Dr.K.Bala sindhuri, Sri.K.Venkatrao | ECE | Audio Signal pre-processing | Salicit Technologies Private Limited, Hyderabad | 2 Years | 1.08 |
| | | | | | | Amount received (Rs.):1.08 |

**Total amount (Lacs) received for the past 3 years:   5.01**

**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 | Communications lab (T-108) Ground floor, T-Block | 3 | Hardware: 1. Microwave bench set up 2.UPS 3. Oscilloscope 4. ATS –B Basic Antenna Trainer 5. Fiber optic training Kit 6. VSWR meters 7. Klystron | Semester–I 54. | P. Eswara Rao | Technician | Diploma (B.Tech) |
| 2 | Skill development lab (T-109) Ground floor, T-Block | 1 | Hardware: 1. Computers 2. UPS 3. Routers | Semester-I 36. | Penmetsa Surendra Var | Technician | ITI |
| 3 | Electronics lab-1 (T-208) First Floor T-Block | 3 | Hardware: 1. Computers 2. Function generators 3. Dual trace CROs 4. Bread board Trainer Kit 5. Digital Multimeters 6. Ammeters 7. Voltmeters | Semester-I 72. | Jampana Ganesh Raju | Technician | ITI |
| 4 | Electronics lab-2 (T-209) First Floor T-Block | 3 | Hardware: Computers Function generators Dual trace CROs Bread board Trainer Kits Digital Multimeters Ammeters Voltmeters Semiconductor | Semester–I 36. | Jampana Ganesh Raju | Technician | BSc. Computers |
| 5 | Digital ICs & Microprocessor lab. (T-203) First Floor T-Block | 3 | Hardware: Computers Phy-450 Digital logic trainer kit 8085 based microprocessor Trainer with m2 power supply and m223 USB converter 8086 | Semester–I 72. | Kuriseti Venkata Satish | Technician | ITI electrician |
| 6 | Digital signal processing lab (T-304) Second Floor T-Block | 1 | Hardware: Computers UPS USB-32 boards Sensors Aurdino Boards | Semester–I 3 | T Durga Prasad | Technician | B.Tech (ECE) |
| 7 | VLSI and IOT lab (T-406) Second Floor T-Block | 1 | Hardware: Computer UPS Kintex KC 705 evaluation board ZedBoard Artix 7 Board Software: Cadence University standard bundle | Semester–I 72. | Penmetsa Dilip Varma | Technician | Diploma |
| 8 | Electronics lab-3 (T-405) Second Floor T-Block | 3 | Hardware: Function generators Dual trace CROs Bread board Trainer Kits Digital multimeters Oscilloscope | Semester-I-Nil | K. Rambabu | Senior Technician | ITI |
| 9 | Communication Engineering lab-2 Ground floor U-102 | 3 | Hardware: Optical Fiber Trainer Kit Data communication Trainer kit. Wireless LAN trainer Kit Computers Dual trace CROs Digital communication | Semester–I 72. | P Srinivasa Rao | Technician | B.SC Electronics |
| 10 | Digital Signal Processing Lab U-107 Ground floor | 1 | Hardware: 1.Computers 2. UPS 3. Routers | Semester–I 72. | P Srinivasa Rao | Technician | B.SC Electronics |
| 11 | Innovation center Ground floor T-110 | 1 | Hardware: 1.Computers 2.My smart phone kits | Throughout the | P. Eswara Rao | Technician | Diploma (B.Tech) |

**D2. Safety Measures in Laboratories**

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

| Sr. No | Laboratory Name | Safety Measures |
|---|---|---|
| 1 | Microwave Engineering Lab. (T-108) | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided: ● To make proper circuit connections to avoid short- circuits and loose connections. ● Never make wiring changes on live circuits. ● Make circuit connections with all power sources turned off. ● Check if the supply voltage applied is the appropriate value or not. |

| # | Lab | Safety Rules |
|---|-----|--------------|
| 2 | Skill development lab (T-109) | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Appropriate storage areas are available. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided to: ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use. |
| 3 | Electronics lab-1 (T-208) | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided: ● To make proper circuit connections to avoid short- circuits and loose connections. ● Never make wiring changes on live circuits. ● Make circuit connections with all power sources turned off. ● Check if the supply voltage applied is the appropriate value or not. ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use. |
| 4 | Electronics lab-2 (T-209) | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided: ● To make proper circuit connections to avoid short- circuits and loose connections. ● Never make wiring changes on live circuits. ● Make circuit connections with all power sources turned off. ● Check if the supply voltage applied is the appropriate value or not. ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use |
| 5 | Digital ICs & Microprocessor lab. (T-203) | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided: ● To make proper circuit connections to avoid short- circuits and loose connections. ● Never make wiring changes on live circuits. ● Make circuit connections with all power sources turned off. ● Check if the supply voltage applied is the appropriate value or not. ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use |
| 6 | Digital signal processing lab (T-304) | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Appropriate storage areas are available. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff monitor the labs at all times. Students are guided to: ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use |
| 7 | Electronics lab-3 (T-405) | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided: ● To make proper circuit connections to avoid short- circuits and loose connections. ● Never make wiring changes on live circuits. ● Make circuit connections with all power sources turned off. ● Check if the supply voltage applied is the appropriate value or not. ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use |
| 8 | VLSI AND IOT Lab | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Appropriate storage areas are available. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided to: ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use |
| 9 | Communication Engineering lab-2 (U-102) | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided: ● To make proper circuit connections to avoid short- circuits and loose connections. ● Never make wiring changes on live circuits. ● Make circuit connections with all power sources turned off. ● Check if the supply voltage applied is the appropriate value or not. ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use ● Damaged equipment is identified and serviced at the earliest. |
| 10 | Digital Signal Processing lab | ● Use of cell phones is prohibited. ● Damaged equipment is identified and serviced at the earliest. ● Appropriate storage areas are available. ● Specific Safety Rules like Do's and Don'ts are displayed and instructed for all students. ● Well trained technical supporting staff always monitor the labs. Students are guided to: ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use |
| 11 | Innovation center | ● Lab is facilitated with good ventilation. Students are guided to: ● Not to open the computer's power supply or monitor. ● Always shut down the computer properly when not in use ● Never make wiring changes on live circuits. ● Make circuit connections with all power sources turned off. ● Check if the supply voltage applied is the appropriate value or not. |

**D3. Project Laboratory/Research Laboratory**

| | **Project Laboratory** |
|---|---|
| Experiential Learning Activity Lab T-404 | 1. Power Supplies, UPS, and Stabilizers: Provide uninterrupted and regulated power for various project setups and electronic circuits. They ensure safe and stable operation of sensitive devices during testing and experimentation. <br> 2. CROs (Cathode Ray Oscilloscopes) and Signal Generators: Facilitate real-time observation of waveforms, signal analysis, and testing of analog/digital circuits. Students use them for debugging, verification, and validation of circuit behaviour. <br> 3. LCR Meter, Multimeters, and Auto Transformers: Help in accurate measurement of component values and circuit parameters essential for prototype testing, component characterization, and calibration. <br> 4. Spectrum Analyzer and Pulse Generators: Enable RF and communication-based projects by allowing frequency spectrum analysis, signal characterization, and verification of transmission/reception quality. <br> 5. Breadboard Trainers and Project Boards (Scientech): Allow students to prototype circuits quickly, perform circuit debugging, and test modules before final PCB implementation. These are extensively used in microcontroller, analog, and digital projects. <br> 6. Computing Systems (CPU Vostro, Monitors, Keyboards, Mouse): Used for programming, simulation, and interfacing of microcontrollers, microprocessors, and embedded systems. They also support circuit design software and documentation work. <br> 7. Antenna RF Tx/Rx Systems and Stepper Motor Controller: Facilitate experimentation in wireless communication and control system projects. Students develop and test applications involving IoT, robotics, and motor control. <br> 8. Ahuja Wireless Audio System and TV/Display Units: Support multimedia, communication, and demonstration-based projects. They are useful for presentation, signal transmission testing, and evaluation. <br> 9. Solar Plate and Motor: Aid in renewable energy and power electronics-based projects. Students can practically test solar energy conversion, motor drive systems, and efficiency analysis. <br> 10. Benchtop DMM and FM Radio Receiver Kits: Support precise measurement and testing of analog and RF circuits. Students gain hands-on exposure to measurement instruments and signal processing. <br> 11. Furniture and Lab Infrastructure (Experiment Tables, Component Racks, A/C Units): Provide a comfortable and organized workspace for students to perform experiments efficiently and safely, enhancing concentration and productivity. <br><br> These facilities collectively enable students to design, simulate, implement, and test project ideas in domains such as embedded systems, IoT, robotics, communication systems, and renewable energy |
| | **Research Laboratory** |
| Innovation and product Development Facility | The Research Laboratory is equipped with essential hardware and supporting infrastructure to facilitate programming, simulation, and project development activities. The major equipment and their contributions are as follows: <br><br> 1. CPU and Monitors (Intex / Dell): High-performance computers are used for software development, database programming, and simulation tasks. They support various tools such as Python, MATLAB, enabling students to design, test, and debug software and hardware-interfaced projects. <br> 2. UPS (3KVA – Vertiv) with Battery Backup and Stand: Provides continuous and stable power supply to all systems, ensuring uninterrupted learning and project work, especially during lengthy simulations and testing operations. |

| Centre of Excellence | |
|---|---|
| Centre of excellence in VLSI | The Centre of Excellence is well-equipped with advanced hardware, computing systems, and supporting infrastructure to facilitate students' research and development activities. These facilities enable students to design, simulate, and implement complex systems across domains such as VLSI, embedded systems, computer networks, and digital signal processing. The major equipment and their usefulness are as follows:<br><br>1. Cadence Software Suite is a comprehensive EDA (Electronic Design Automation) tool used for VLSI design and verification, enabling students to perform end-to-end IC design from schematic capture to layout and simulation. It is a major industry-standard tool widely adopted in semiconductor and electronic design companies.<br><br>2. KINTEX KC705 FPGA Development Boards<br>These high-performance FPGA boards are utilized for hardware design, digital system prototyping, and embedded system development. They enable students to implement and test complex algorithms in hardware, such as image processing, digital communication, and reconfigurable computing projects. The boards support HDL programming and interface with various peripherals, fostering learning in VLSI design, hardware acceleration, and SoC-based development.<br><br>3. DELL OPTIPLEX 5060 Workstation PCs (with Monitors, Keyboards, and Mouse)<br>The lab is equipped with high-speed computers used for software simulation, HDL coding, hardware interfacing, and data analysis. These systems support CAD tools such as Xilinx Vivado, MATLAB/Simulink, Keil, and ModelSim, which are essential for the design and analysis of embedded and hardware-based projects. Students use them for both simulation and integration with FPGA boards<br><br>4. CISCO SG-95-24 Switch & D-LINK Rack Mount Units<br>These networking devices facilitate projects related to computer networking, IoT communication, and network management. They enable students to set up and test LAN, VLAN, and network topology configurations for research in network protocols and server-based communication.<br><br>5. APC 6KVA Online UPS with Battery Rack<br>Provides reliable power backup to all the systems, ensuring uninterrupted operation during hardware configuration and long simulation runs. This enhances system reliability and data integrity during research experiments.<br><br>6. EPSON Projector & Wireless LAN Module<br>Used for effective presentation and demonstration of research outcomes. The projector supports group discussions, seminars, and technical reviews, helping students to collaborate and communicate their work effectively.<br><br>7. Networking Setup Supports remote monitoring and assists in demonstrating IoT-based surveillance projects. Students can use the system for practical implementation of real-time video streaming and security applications.<br><br>8. CANON G1010 Colour Printer: Facilitates documentation, research report preparation, and printing of circuit schematics and research papers. This enables efficient presentation of project results and outcomes.<br><br>9. Air Conditioners: Maintain optimal temperature for both electronic equipment and comfortable working conditions for students during prolonged experimental sessions.<br><br>The Research Laboratory significantly enhances students' capability to engage in hardware-software co-design, FPGA-based research, and network simulation projects. It supports the development of analytical, design, and experimental skills, preparing students for industry-oriented and research-based careers. The availability of high-performance computing and advanced hardware platforms enables students to transform innovative ideas into tangible prototypes. |

| Centre of Excellence: Embedded Systems<br><br>Components provided by Vector India | |
|---|---|
| **Sno** | **Components** | **Quantity** |

| | | |
|---|---|---|
| 1 | LPC 2148 DEVELOPMENT BOARD | 5 |
| 2 | STM 32 F103RBT6 | 5 |
| 3 | 16*2 LCD | 5 |
| 4 | OLED 0.96" | 5 |
| 5 | TEMP-LM35 | 5 |
| 6 | SOIL MOISTURE | 5 |
| 7 | BMP 180 | 5 |
| 8 | MAX 30100 | 5 |
| 9 | IR | 5 |
| 10 | ULTRSONIC | 5 |
| 11 | ADXL 345 | 5 |
| 12 | ESP8266 | 5 |
| 13 | DC MOTORS WITH DRIVER | 5 |
| 14 | STEPPER MOTORS WITH DRIVER | 5 |
| 15 | BLUETOOTH HC-05 | 5 |
| 16 | CONNECTORS FOR INTERFACING | 50 |
| 17 | USB CABLES | 10 |
| 18 | System:i5 12<sup>th</sup> Gen,8GB Ram,256 SSD, Windows 11 | 5 |
| 19 | 19STM32 CUBE IDE Installed | 5 |

# 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) | 1860 | 93 | 87 | 20 | 79 |

| | | | | | |
|---|---|---|---|---|---|
| 2024-25(CAYm1) | 1860 | 93 | 87 | 20 | 79 |
| 2025-26(CAY) | 1860 | 93 | 84 | 20 | 77 |

**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 | 140000000 | 77598230 | 150000000 | 146202039 | 90000000 | 79014295 | 75000000 | 67938104 |
| Library | 4000000 | 154305 | 4000000 | 3211149 | 4000000 | 3084585 | 4000000 | 2497758 |
| Laboratory equipment | 20000000 | 5902057 | 19200000 | 14479485 | 50000000 | 32309745 | 30000000 | 28359698 |
| Teaching and non-teaching staff salary | 520000000 | 265346910 | 510000000 | 502955822 | 500000000 | 472269762 | 465000000 | 464400355 |
| Outreach Programs | 2000000 | 1490762 | 2000000 | 1553420 | 500000 | 280080 | 100000 | 61507 |
| R&D | 2500000 | 1512200 | 2500000 | 2205217 | 1500000 | 1398318 | 1200000 | 1060302 |
| Training, Placement and Industry linkage | 33000000 | 14139740 | 32000000 | 30398673 | 37600000 | 34800667 | 39000000 | 37709910 |
| SDGs | 2000000 | 512085 | 3000000 | 2659146 | 2000000 | 1287536 | 1200000 | 1033608 |
| Entrepreneurship | 400000 | 195000 | 400000 | 335000 | 400000 | 392196 | 400000 | 287417 |
| Repairs & Maintenance, University Fees ,Reg, taxes | 200000000 | 77775096 | 200000000 | 174226563 | 158500000 | 137931882 | 149000000 | 143356145 |
| **Total** | **923900000** | **444626385** | **923100000** | **878226514** | **844500000** | **762769066** | **764900000** | **746704804** |

**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 | 600000 | 194753 | 600000 | 464349 | 1000000 | 974655 | 500000 | 482544 |
| Software | 0 | 0 | 0 | 0 | 1100000 | 1097400 | 0 | 0 |
| SDGs | 100000 | 0 | 125000 | 119566 | 250000 | 225023 | 50000 | 40000 |
| Support for faculty development | 100000 | 41850 | 25000 | 19566 | 0 | 0 | 0 | 0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| R & D | 50000 | 11350 | 50000 | 50000 | 50000 | 0 | 100000 | 100000 |
| Industrial Training, Industry expert, Internship | 150000 | 40000 | 150000 | 42016 | 150000 | 138086 | 150000 | 141000 |
| Maintenance & Spares and Skill Development Lab | 300000 | 157389 | 300000 | 155483 | 3800000 | 3760045 | 800000 | 781105 |
| **Total** | **1300000** | **445342** | **1250000** | **850980** | **6350000** | **6195209** | **1600000** | **1544649** |