

## **NATIONAL BOARD OF ACCREDITATION**

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

#### **PART-A: Profile of the Institute**

**Name of the Program Applied for: B.E. Mechanical Engineering**

**A1: Name of the Institute: KCG COLLEGE OF TECHNOLOGY**

Year of Establishment :1998

Location of the Institute: CHENNAI

**A2: Institute Address: - Rajiv Gandhi Salai, Chennai**

City : Chennai

State : Tamil Nadu

Pin Code : 600097

Website : www.kcgcollege.ac.in

E-mail : principal@kcgcollege.com

Phone No (with STD Code):044-28389001

**A3: Name and Address of the Affiliating University (If any): -**

Name of the University : Anna University

City : Chennai

State : Tamil Nadu

Pin Code:600025

**A4: Type of the Institution: - (Tick the applicable choice)**

Institute of National Importance

☐

Deemed University

☐

University

☐

Autonomous

☒

Non-Autonomous (Affiliated)

☐

Any other (Please specify) \*

☐

**\*Provide Details:** \_\_\_\_\_

**A5: Ownership Status: - (Tick the applicable choice)**

Central Government

☐

State Government

☐

Government Aided

☐

Self-financing

☐

Any Other (Please specify) \*

☐

**\*Provide Details:** \_\_\_\_\_

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

❖ No. of UG programs: 15

❖ No. of PG programs: 07

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

| S.N. | Level of program (UG/PG) | Name of the program                                  | Year of Start | Year of close* | Name of the Department                          |
|------|--------------------------|------------------------------------------------------|---------------|----------------|-------------------------------------------------|
|      |                          | <b>B.E / B.Tech</b>                                  |               |                |                                                 |
| 1    | UG                       | B.E. Computer Science & Engineering                  | 1998          | --             | Computer Science & Engineering                  |
| 2    | UG                       | B.E. Electronics & Communication Engineering         | 1998          | --             | Electronics & Communication Engineering         |
| 3    | UG                       | B.E. Electrical & Electronics Engineering            | 1998          | --             | Electrical & Electronics Engineering            |
| 4    | UG                       | B.E. Mechanical Engineering                          | 1998          | --             | Mechanical Engineering                          |
| 5    | UG                       | B.E. Aeronautical Engineering                        | 2007          | --             | Aeronautical Engineering                        |
| 6    | UG                       | B.Tech. Information Technology                       | 2001          | --             | Information Technology                          |
| 7    | UG                       | B.E. Civil Engineering                               | 2011          | --             | Civil Engineering                               |
| 8    | UG                       | B.E. Automobile Engineering                          | 2018          | --             | Automobile Engineering                          |
| 9    | UG                       | B.Tech. Fashion Technology                           | 2018          | --             | Fashion Technology                              |
| 10   | UG                       | B.E. Aerospace Engineering                           | 2019          | --             | Aerospace Engineering                           |
| 11   | UG                       | B.E. Mechatronics Engineering                        | 2019          | --             | Mechatronics Engineering                        |
| 12   | UG                       | B.Tech. Artificial Intelligence & Data Science       | 2020          | --             | Artificial Intelligence & Data Science          |
| 13   | UG                       | B.E. Computer Science & Engineering (Cyber Security) | 2023          | --             | Computer Science & Engineering (Cyber Security) |
| 14   | UG                       | B.E. Computer Science and Engineering (AI&ML)        | 2025          | --             | Computer Science and Engineering (AI&ML)        |
| 15   | UG                       | B.E. Biomedical Engineering                          | 2026          | --             | Biomedical Engineering                          |
|      |                          | <b>M.E / M.Tech./MCA</b>                             |               |                |                                                 |
| 16   | PG                       | ME – Computer Science & Engg.                        | 2010          | --             | Computer Science & Engineering                  |
| 17   | PG                       | ME – Communication Systems                           | 2011          | --             | Electronics & Communication Engg                |
| 18   | PG                       | ME – Manufacturing Engineering                       | 2013          | --             | Mechanical Engineering                          |
| 19   | PG                       | ME – Power Electronics & Drives                      | 2013          | --             | Electrical & Electronics Engineering            |
| 20   | PG                       | ME – Aeronautical Engineering                        | 2022          | --             | Aeronautical Engineering                        |
| 21   | PG                       | MCA – Master of Computer Applications                | 2025          | --             | Computer Applications                           |
| 22   | PG                       | ME – VLSI DESIGN                                     | 2026          | --             | Electronics & Communication Engg                |

**A7: Programs to be considered for Accreditation vide this Application:****Table No. A7.1:** List of programs to be considered for accreditation.

| Cluster ID. | Name of the Department | Name of the Program         |
|-------------|------------------------|-----------------------------|
| 4           | Mechanical Engineering | B.E. Mechanical Engineering |
| ---         | Fashion Technology     | B.Tech Fashion Technology   |

**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) |
|-----------------------|--------------------------------------------|---------------------------------------------------------|
| 4                     | Mechanical Engineering                     | Automobile Engineering                                  |
| 4                     | Mechanical Engineering                     | Mechatronics Engineering                                |
| ---                   | Fashion Technology                         | Nil                                                     |
| <b>NOT APPLICABLE</b> |                                            |                                                         |

**PART-B: Program information**

(Data to be filled in for the program applied for Accreditation)

**B1: Provide the Required Information for the Program Applied For: -****Table No. B1:** Program details.

| S. N. | Program Name                | Year of start | Sanctioned Intake | Increase/decrease in intake, if any | Year of increase/decrease | AICTE Approval Details                                 | Accreditation Status*                                                                                      | No. of times program accredited |
|-------|-----------------------------|---------------|-------------------|-------------------------------------|---------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------|
| 1.    | BE (Mechanical Engineering) | 1998          | 60                | NA                                  | 1998                      | F.No.730-52-307(E)/EI/97 dated 19.12.1997              | Accredited (2006-2009)<br>Accredited (2012 - 2015)<br>Accredited (2017 - 2020)<br>Accredited (2020 - 2023) | 4                               |
|       |                             |               | 90                | 30 (Increase)                       | 2004                      | F.No.730-52-307(E)/ET/97 dated 30.09.2004              |                                                                                                            |                                 |
|       |                             |               | 120               | 30 (Increase)                       | 2007                      | F.No.730-52-307(E)/ET/97 dated 02.08.2007              |                                                                                                            |                                 |
|       |                             |               | 90                | 30 (Decrease)                       | 2020                      | F. No. Southern/1-7003006041/2020/EOA Date:15-Jun-2020 |                                                                                                            |                                 |
|       |                             |               | 30                | 60 (Decrease)                       | 2021                      | F. No. Southern/1-9323232016/2021/EOA Date:10-Jun-2021 |                                                                                                            |                                 |

\* Write applicable one:

- ❖ Applying first time
- ❖ Granted accreditation for 2/3 years for the period (specify period)
- ❖ Granted accreditation for 5/6 years for the period (specify period)
- ❖ Not accredited (specify visit dates, year).
- ❖ Withdrawn (specify visit dates, year)
- ❖ Not eligible for accreditation.

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

**A. Name of the HoD : Dr S.Jesudass Thomas**

**B. Nature of appointment: (Tick the applicable choice)**

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Ad hoc ☐

**C. Qualification: (Tick the applicable choice)**

- ❖ Ph.D. ☒
- ❖ ME/M.Tech ☐
- ❖ Any other\* ☐

***\*Please provide details:*** \_\_\_\_\_

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

| <b>Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)</b>                                                                   | <b>CAY<br/>2024-25</b> | <b>CAYm1<br/>2023-24</b> | <b>CAYm2<br/>2022-23</b> | <b>CAYm3<br/>2021-22</b> | <b>CAYm4 (LYG)<br/>2020-21</b> | <b>CAYm5<br/>(LYGm1)<br/>20219-20</b> | <b>CAYm6<br/>(LYGm2)<br/>2018-19</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------------|---------------------------------------|--------------------------------------|
| N= Sanctioned intake of the program (as per AICTE /Competent authority)                                                                                                                   | <b>30</b>              | <b>30</b>                | <b>30</b>                | <b>30</b>                | <b>90</b>                      | <b>120</b>                            | <b>120</b>                           |
| N1= Total no. of students admitted in the 1 <sup>st</sup> year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program | <b>28</b>              | <b>23</b>                | <b>22</b>                | <b>19</b>                | <b>11</b>                      | <b>40</b>                             | <b>68</b>                            |
| N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats                                                                                  | <b>4</b>               | <b>3</b>                 | <b>3</b>                 | <b>11</b>                | <b>11</b>                      | <b>8</b>                              | <b>8</b>                             |
| N3= Separate division if any                                                                                                                                                              | <b>01</b>              | <b>00</b>                | <b>00</b>                | <b>00</b>                | <b>00</b>                      | <b>00</b>                             | <b>00</b>                            |
| N4= Total no. of students admitted in the 1st year via all supernumerary quotas                                                                                                           | <b>00</b>              | <b>00</b>                | <b>00</b>                | <b>00</b>                | <b>00</b>                      | <b>00</b>                             | <b>00</b>                            |
| Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.                                                   | <b>33</b>              | <b>26</b>                | <b>25</b>                | <b>30</b>                | <b>22</b>                      | <b>48</b>                             | <b>76</b>                            |

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 1<sup>st</sup> year.

| <b>Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))</b>                                                                    | <b>CAY<br/>2024-25</b> | <b>CAYm1<br/>2023-24</b> | <b>CAYm2<br/>2022-23</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|--------------------------|
| N= Sanctioned intake of the program in the 1st year (as per AICTE/Competent authority)                                                                                        | <b>30</b>              | <b>30</b>                | <b>30</b>                |
| 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 | <b>28</b>              | <b>26</b>                | <b>22</b>                |
| N4= Total no. of students admitted in the 1st year via all supernumerary quotas                                                                                               | <b>-</b>               | <b>-</b>                 | <b>-</b>                 |
| <b>Enrolment Ratio (ER)= (N1+N4)/N</b>                                                                                                                                        | <b>93.33</b>           | <b>86.67</b>             | <b>73.33</b>             |
| <b>Average ER= (ER_1+ ER_2+ ER_3)/3</b>                                                                                                                                       | <b>84.44</b>           |                          |                          |

**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.

| <b>Item</b>                                                                                                                                                                                                                                                                                                   | <b>LYG<br/>2020-21</b> | <b>LYGm1<br/>2019-20</b> | <b>LYGm2<br/>2018-19</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|--------------------------|
| 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). | <b>18</b>              | <b>42</b>                | <b>65</b>                |
| B=No. of students who graduated from the program in the stipulated course duration                                                                                                                                                                                                                            | <b>14</b>              | <b>38</b>                | <b>65</b>                |
| <b>Success Rate (SR)= (B/A)*100</b>                                                                                                                                                                                                                                                                           | <b>77.78</b>           | <b>90.48</b>             | <b>100</b>               |
| <b>Average SR of three batches ((SR_1+SR_2+ SR_3)/3)</b>                                                                                                                                                                                                                                                      | <b>89.42</b>           |                          |                          |

**Note \*:** If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

**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.

| <b>Academic Performance</b>                                                                                                                                                | <b>CAYm1<br/>2023-24</b> | <b>CAYm2<br/>2022-23</b> | <b>CAYm3<br/>2021-22</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| X= (Mean of 1st year grade point average of all successful students on a 10-point scale)<br>or (Mean of the percentage of marks of all successful students in 1st year/10) | <b>7.08</b>              | <b>7.61</b>              | <b>7.59</b>              |
| Y= Total no. of successful students                                                                                                                                        | <b>22</b>                | <b>19</b>                | <b>13</b>                |
| Z = Total no. of students appeared in the examination                                                                                                                      | <b>23</b>                | <b>22</b>                | <b>15</b>                |
| API = $X * (Y/Z)$                                                                                                                                                          | <b>6.77</b>              | <b>6.572</b>             | <b>6.58</b>              |
| Average API = $(API_1 + API_2 + API_3)/3$                                                                                                                                  | <b>6.64</b>              |                          |                          |

**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.

| <b>Academic Performance</b>                                                                                                                                                | <b>CAYm1<br/>2023-24</b> | <b>CAYm2<br/>2022-23</b> | <b>CAYm3<br/>2021-22</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| X= (Mean of 2nd year grade point average of all successful students on a 10-point scale)<br>or (Mean of the percentage of marks of all successful students in 2nd year/10) | <b>7.6</b>               | <b>7.8</b>               | <b>8.2</b>               |
| Y= Total no. of successful students                                                                                                                                        | <b>18</b>                | <b>23</b>                | <b>14</b>                |
| Z =Total no. of students appeared in the examination                                                                                                                       | <b>21</b>                | <b>26</b>                | <b>18</b>                |
| API = $X * (Y/Z)$                                                                                                                                                          | <b>6.514</b>             | <b>6.9</b>               | <b>6.38</b>              |
| Average API = $(API_1 + API_2 + API_3)/3$                                                                                                                                  | <b>6.597</b>             |                          |                          |

**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<br>2023-24 | CAYm2<br>2022-23 | CAYm3<br>2021-22 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|
| (Mean of 3 <sup>rd</sup> year grade point average of all successful students on a 10-point scale) or<br>(Mean of the percentage of marks of all successful students in 3 <sup>rd</sup> year/10) | 8                | 8.1              | 8.02             |
| Y= Total no. of successful students                                                                                                                                                             | 23               | 15               | 37               |
| Z= Total no. of students appeared in the examination                                                                                                                                            | 26               | 18               | 42               |
| API = X* (Y/Z)                                                                                                                                                                                  | 7.08             | 6.75             | 7.07             |
| Average API = ( API_1 + API_2 + API_3)/3                                                                                                                                                        | 6.97             |                  |                  |

**B9: Placement, Higher Studies, and Entrepreneurship****Table No.B9.1:** Placement, higher studies, and entrepreneurship details.

| Item                                           | LYG 2020-21       | LYGm1 2019-20 | LYGm2 2018-19 |
|------------------------------------------------|-------------------|---------------|---------------|
| FS*=Total no. of final year students           | 18                | 42            | 65            |
| X= No. of students placed                      | 10                | 30            | 49            |
| Y= No. of students admitted to higher studies  | 4                 | 6             | 9             |
| Z= No. of students taking up entrepreneurship  | 1                 | 1             | 2             |
| X + Y + Z =                                    | 15                | 37            | 60            |
| Placement Index (P) = (((X + Y + Z)/FS) * 100) | 83.3              | 88.09         | 92            |
| Average placement index = (P_1 + P_2 + P_3)/3  | 87.7 x 0.3 = 26.7 |               |               |

**Note \*:** If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.



**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**

| S. No.                                      | Name of the Faculty    | Highest Degree | University      | Area of Specialization | Date of Joining in this Institution | Experience in years in current institute | Designation at Time of Joining in this Institution | Present Designation | The date on which Designated as Professor / Associate Professor if any | Nature of Association (Regular / Contract / Ad hoc) | If contractual mention (Full time or Part time or hourly based) | Currently Associated (Y/N) | Date of Leaving if any (In case currently Associated is "No") |
|---------------------------------------------|------------------------|----------------|-----------------|------------------------|-------------------------------------|------------------------------------------|----------------------------------------------------|---------------------|------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| <b>DEPARTMENT OF MECHANICAL ENGINEERING</b> |                        |                |                 |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| <b>Academic Year 2024-25</b>                |                        |                |                 |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| 1.                                          | Dr.G.Prabhakaran       | Ph.D           | Bharathidasan   | Production             | 03-07-2023                          | 2.2                                      | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 2.                                          | Dr. Z Edward Kennedy   | Ph.D           | NIT Trichy      | Material Science       | 14-06-2010                          | 15.2                                     | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 3.                                          | Dr.C.Kailasanathan     | Ph.D           | Anna Univ.      | Nano Bio-Composites    | 03-07-2023                          | 0.8                                      | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | No                         | 28-03-2025                                                    |
| 4.                                          | Dr. M Arulprakasajothi | Ph.D           | JNTU            | Thermal                | 10-05-2023                          | 2                                        | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | No                         | 30-05-2025                                                    |
| 5.                                          | Dr.S.Kaliappan         | Ph.D           | Anna Univ.      | Thermal                | 15-07-2023                          | 2.1                                      | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 6.                                          | Dr.D Easu              | Ph.D           | Anna Univ.      | Design                 | 19-06-2001                          | 24.2                                     | Lecturer                                           | Associate Professor | 01-07-2011                                                             | Regular                                             | -                                                               | Yes                        | -                                                             |
| 7.                                          | Dr.S Jesudass Thomas   | Ph.D           | Anna Univ.      | Manufacturing          | 19-05-2014                          | 11.3                                     | Associate Professor                                | Associate Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 8.                                          | Dr.R.Chandramohan      | Ph.D           | Anna Univ.      | Thermal                | 12-04-2021                          | 4.4                                      | Associate Professor                                | Associate Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 9.                                          | Dr.M.Vigneshkumar      | Ph.D           | Annamalai Univ. | Design                 | 27-06-2016                          | 9.2                                      | Assistant Professor                                | Associate Professor | 01-07-2024                                                             | Regular                                             | -                                                               | Yes                        | -                                                             |

|                                               |                       |      |            |                    |            |      |                     |                     |            |         |   |     |            |
|-----------------------------------------------|-----------------------|------|------------|--------------------|------------|------|---------------------|---------------------|------------|---------|---|-----|------------|
| 10.                                           | Dr.V.Gopal            | Ph.D | Anna Univ. | CAD                | 03-09-2009 | 16   | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 11.                                           | Mr. M Arul Inigo Raja | M.E. | Anna Univ. | CAD                | 15-06-2012 | 12.1 | Assistant Professor | Assistant Professor | -          | Regular | - | No  | 30-05-2025 |
| 12.                                           | Dr. K Gobivel         | Ph.D | Anna Univ. | Manufacturing      | 22-06-2015 | 10.2 | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 13.                                           | Mr.I.Manikandan       | M.E. | Anna Univ. | Production         | 09-12-2016 | 8.9  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 14.                                           | Mr. L Ramesh Krishnan | M.E. | Anna Univ. | R & AC             | 03-07-2023 | 2.2  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| <b>DEPARTMENT OF AUTOMOBILE ENGINEERING</b>   |                       |      |            |                    |            |      |                     |                     |            |         |   |     |            |
| 15.                                           | Dr. T Mothilal        | Ph.D | Anna Univ. | Thermal            | 01-04-2019 | 6.2  | Professor           | Professor           | -          | Regular | - | No  | 30-05-2025 |
| 16.                                           | Dr. V Dillibabu       | Ph.D | Anna Univ. | Gasification       | 03-08-2021 | 4.1  | Assistant Professor | Associate Professor | 03-07-2023 | Regular | - | Yes | -          |
| 17.                                           | Dr, A Arivazhagan     | Ph.D | Anna Univ. | Vehicle Dynamics   | 11-07-2022 | 3.2  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 18.                                           | Mr. R Balamurugan     | M.E. | Anna Univ. | Engineering Design | 01-06-2023 | 2.3  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 19.                                           | Dr. P B Senthil Kumar | Ph.D | Vel Tech   | Sustainable Energy | 01-07-2024 | 1.2  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 20.                                           | Dr. R Charles Godwin  | Ph.D | Vels Univ. | Composites         | 01-07-2024 | 1.2  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| <b>DEPARTMENT OF MECHATRONICS ENGINEERING</b> |                       |      |            |                    |            |      |                     |                     |            |         |   |     |            |
| 21.                                           | Dr. T Raja            | Ph.D | Anna Univ. | Composites         | 03-07-2023 | 2.2  | Associate Professor | Associate Professor | -          | Regular | - | Yes | -          |
| 22.                                           | Dr.T Jayakumar        | Ph.D | VIT        | Material Science   | 03-07-2023 | 2.2  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 23.                                           | Mr. K K Manivannan    | M.E. | Anna Univ. | Embedded System    | 11-07-2022 | 3.2  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 24.                                           | Ms. M Shanmuga Priya  | M.E. | Anna Univ. | PED                | 18-06-2018 | 7.2  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 25.                                           | Ms. P Vinotha         | M.E. | Anna Univ. | VLSI Design        | 19-06-2019 | 6.2  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |

| S. No.                                      | Name of the Faculty    | Highest Degree | University | Area of Specialization | Date of Joining in this Institution | Experience in years in current institute | Designation at Time of Joining in this Institution | Present Designation | The date on which Designated as Professor / Associate Professor if any | Nature of Association (Regular / Contract / Ad hoc) | If contractual mention (Full time or Part time or hourly based) | Currently Associated (Y/N) | Date of Leaving if any (In case currently Associated is "No") |
|---------------------------------------------|------------------------|----------------|------------|------------------------|-------------------------------------|------------------------------------------|----------------------------------------------------|---------------------|------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| <b>DEPARTMENT OF MECHANICAL ENGINEERING</b> |                        |                |            |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| <b>Academic Year 2023-24</b>                |                        |                |            |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| 1.                                          | Dr.G.Prabhakaran       | Ph.D           | NIT Trichy | Production             | 03-07-2023                          | 1                                        | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 2.                                          | Dr.Z.Edward Kennedy    | Ph.D           | NIT Trichy | Material Science       | 14-06-2010                          | 14                                       | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 3.                                          | Dr.C.Kailasanathan     | Ph.D           | Anna Univ. | Nano Bio-Composites    | 03-07-2023                          | 1                                        | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 4.                                          | Dr. M Arulprakasajothi | Ph.D           | JNTU       | Thermal                | 10-05-2023                          | 1                                        | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 5.                                          | Dr.S.Kaliappan         | Ph.D           | Anna Univ. | Thermal                | 15-07-2023                          | 1                                        | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 6.                                          | Dr.D Easu              | Ph.D           | Anna Univ. | Design                 | 19-06-2001                          | 23                                       | Lecturer                                           | Associate Professor | 01-07-2011                                                             | Regular                                             | -                                                               | Yes                        | -                                                             |
| 7.                                          | Dr. S Jesudass Thomas  | Ph.D           | Anna Univ. | Manufacturing          | 19-05-2014                          | 10                                       | Associate Professor                                | Associate Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 8.                                          | Dr.R.Chandramohan      | Ph.D           | Anna Univ. | Thermal                | 12-04-2021                          | 3                                        | Associate Professor                                | Associate Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 9.                                          | Dr.M.Vignesh Kumar     | Ph.D           | Annamalai  | Design                 | 27-06-2016                          | 8                                        | Assistant Professor                                | Assistant Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 10.                                         | Dr.S Gopinath          | Ph.D           | Anna Univ. | Thermal                | 03-08-2022                          | 2                                        | Assistant Professor                                | Associate Professor | 03-07-2023                                                             | Regular                                             | -                                                               | No                         | 31-08-2024                                                    |

|                                               |                         |      |                 |                        |            |      |                     |                     |            |         |   |     |            |
|-----------------------------------------------|-------------------------|------|-----------------|------------------------|------------|------|---------------------|---------------------|------------|---------|---|-----|------------|
| 11.                                           | Dr.V.Gopal              | Ph.D | Anna Univ.      | CAD                    | 03-09-2009 | 15   | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 12.                                           | Dr.S.Gowthaman          | Ph.D | NIT             | Manufacturing          | 01-06-2023 | 1    | Assistant Professor | Assistant Professor | -          | Regular | - | No  | 31-05-2024 |
| 13.                                           | Mr. K Gobivel           | M.E. | Anna Univ.      | Manufacturing          | 22-06-2015 | 9    | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 14.                                           | Mr.I.Manikandan         | M.E. | Anna Univ.      | Production             | 09-12-2016 | 7.6  | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 15.                                           | Mr. L Ramesh Krishnan   | M.E. | Anna Univ.      | R & AC                 | 03-07-2023 | 1    | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 16.                                           | Mr. M Arul Inigo Raja   | M.E. | Anna Univ.      | CAD                    | 15-06-2012 | 11   | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| <b>DEPARTMENT OF AUTOMOBILE ENGINEERING</b>   |                         |      |                 |                        |            |      |                     |                     |            |         |   |     |            |
| 17.                                           | Dr. T Mothilal          | Ph.D | Anna Univ.      | Thermal                | 01-04-2019 | 5    | Professor           | Professor           | -          | Regular | - | Yes | -          |
| 18.                                           | Dr. V Dillibabu         | Ph.D | Anna Univ.      | Gasification           | 03-08-2021 | 3    | Assistant Professor | Associate Professor | 03-07-2023 | Regular | - | Yes | -          |
| 19.                                           | Dr, A Arivazhagan       | Ph.D | Anna Univ.      | Vehicle Dynamics       | 11-07-2022 | 2    | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 20.                                           | Mr.S Mathavan           | M.E. | Anna Univ.      | IC Engines             | 03-06-2019 | 4.11 | Assistant Professor | Assistant Professor | -          | Regular | - | No  | 31-05-2024 |
| 21.                                           | Mr. M Nelson Prem Kumar | M.E. | Hindustan Univ. | Automobile Engineering | 29-07-2020 | 3.1  | Assistant Professor | Assistant Professor | -          | Regular | - | No  | 31-05-2024 |
| 22.                                           | Mr. R Balamurugan       | M.E. | Anna Univ.      | Engg. Design           | 01-06-2023 | 1    | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| <b>DEPARTMENT OF MECHATRONICS ENGINEERING</b> |                         |      |                 |                        |            |      |                     |                     |            |         |   |     |            |
| 23.                                           | Dr.T.Raja               | Ph.D | Anna Univ.      | Composites             | 03-07-2023 | 1    | Associate Professor | Associate Professor | -          | Regular | - | Yes | -          |
| 24.                                           | Dr.T Jayakumar          | Ph.D | VIT             | Material Science       | 03-07-2023 | 1    | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 25.                                           | Mr. K K Manivannan      | M.E. | Anna Univ.      | Embedded System        | 11-07-2022 | 2    | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 26.                                           | Ms. M Shanmuga Priya    | M.E. | Anna Univ.      | PED                    | 18-06-2018 | 6    | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 27.                                           | Ms. P Vinotha           | M.E. | Anna Univ.      | VLSI Design            | 19-06-2019 | 5    | Assistant Professor | Assistant Professor | -          | Regular | - | Yes | -          |
| 28.                                           | Ms. G Bhavani Bharathi  | M.E. | Anna Univ.      | Medical Electronics    | 22-06-2015 | 8.11 | Assistant Professor | Assistant Professor | -          | Regular | - | No  | 31-05-2024 |

| S. No.                                      | Name of the Faculty  | Highest Degree | University      | Area of Specialization | Date of Joining in this Institution | Experience in years in current institute | Designation at Time of Joining in this Institution | Present Designation | The date on which Designated as Professor / Associate Professor if any | Nature of Association (Regular / Contract / Ad hoc) | If contractual mention (Full time or Part time or hourly based) | Currently Associated (Y/N) | Date of Leaving if any (In case currently Associated is "No") |
|---------------------------------------------|----------------------|----------------|-----------------|------------------------|-------------------------------------|------------------------------------------|----------------------------------------------------|---------------------|------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| <b>DEPARTMENT OF MECHANICAL ENGINEERING</b> |                      |                |                 |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| <b>Academic Year 2022-23</b>                |                      |                |                 |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| 1.                                          | Dr.Z.Edward Kennedy  | Ph.D           | NIT Trichy      | Material Science       | 14-06-2010                          | 13                                       | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 2.                                          | Dr.M.Kannan          | Ph.D           | Anna Univ.      | Thermal                | 01-05-2020                          | 3                                        | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | No                         | 31-05-2023                                                    |
| 3.                                          | Dr. R Chinnaraj      | Ph.D           | Anna Univ.      | Thermal                | 25-07-2016                          | 6.10                                     | Professor                                          | Professor           | -                                                                      | Regular                                             | -                                                               | No                         | 31-05-2023                                                    |
| 4.                                          | Dr.D Easu            | Ph.D           | Anna Univ.      | Design                 | 19-06-2001                          | 22                                       | Lecturer                                           | Associate Professor | 01-07-2011                                                             | Regular                                             | -                                                               | Yes                        | -                                                             |
| 5.                                          | Mr.S Jesudass Thomas | M.E.           | Anna Univ.      | Manufacturing          | 19-05-2014                          | 9                                        | Associate Professor                                | Associate Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 6.                                          | Dr.T.Raja            | Ph.D           | Anna Univ.      | Composites             | 05-07-2019                          | 3.11                                     | Associate Professor                                | Associate Professor | -                                                                      | Regular                                             | -                                                               | No                         | 30-06-2023                                                    |
| 7.                                          | Mr. R Chandramohan   | M.E.           | Anna Univ.      | Thermal                | 12-04-2021                          | 2                                        | Associate Professor                                | Associate Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 8.                                          | Dr.M.Vignesh Kumar   | Ph.D           | Annamalai Univ. | Design                 | 27-06-2016                          | 7                                        | Assistant Professor                                | Assistant Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 9.                                          | Dr.S Gopinath        | Ph.D           | Anna Univ.      | Thermal                | 03-08-2022                          | 1                                        | Assistant Professor                                | Assistant Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | --                                                            |
| 10.                                         | Dr.V.Gopal           | Ph.D           | Anna Univ.      | CAD                    | 03-09-2009                          | 14                                       | Assistant Professor                                | Assistant Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |
| 11.                                         | Dr. A Hemalatha      | Ph.D           | Anna Univ.      | Design                 | 18-06-2018                          | 4.11                                     | Assistant Professor                                | Assistant Professor | -                                                                      | Regular                                             | -                                                               | No                         | 31-05-2023                                                    |
| 12.                                         | Mr.I.Manikandan      | M.E.           | Anna Univ.      | Production             | 09-12-2016                          | 6.6                                      | Assistant Professor                                | Assistant Professor | -                                                                      | Regular                                             | -                                                               | Yes                        | -                                                             |

|                                               |                         |         |                 |                        |            |      |                     |                     |   |         |   |     |            |
|-----------------------------------------------|-------------------------|---------|-----------------|------------------------|------------|------|---------------------|---------------------|---|---------|---|-----|------------|
| 13.                                           | Mr.K Gobivel            | M.E.    | Anna Univ.      | Manufacturing          | 22-06-2015 | 8    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 14.                                           | Mr. M Arul Inigo Raja   | M.E.    | Anna Univ.      | CAD                    | 15-06-2012 | 10   | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 15.                                           | Mr. Marx Raghu Raja     | M.S.    | Carinthia Univ. | Systems Design         | 17-06-2019 | 3.11 | Assistant Professor | Assistant Professor | - | Regular | - | No  | 31-05-2023 |
| 16.                                           | Mr. M Sivashankar       | M.Tech. | BSARC.          | Manufacturing          | 20-07-2015 | 7.10 | Assistant Professor | Assistant Professor | - | Regular | - | No  | 31-05-2023 |
| <b>DEPARTMENT OF AUTOMOBILE ENGINEERING</b>   |                         |         |                 |                        |            |      |                     |                     |   |         |   |     |            |
| 17.                                           | Dr. T Mothilal          | Ph.D    | Anna Univ.      | Thermal                | 01-04-2019 | 4    | Professor           | Professor           | - | Regular | - | Yes | -          |
| 18.                                           | Dr. V Dillibabu         | Ph.D    | Anna Univ.      | Gasification           | 03-08-2021 | 2    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 19.                                           | Dr, A Arivazhagan       | Ph.D    | Anna Univ.      | Vehicle Dynamics       | 11-07-2022 | 1    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 20.                                           | Mr.S Mathavan           | M.E.    | Anna Univ.      | IC Engines             | 03-06-2019 | 3    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 21.                                           | Mr. M Nelson Prem Kumar | M.E.    | Hindustan Univ. | Automobile Engineering | 29-07-2020 | 2    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 22.                                           | Mr.E Britto Sebastiraj  | M.E.    | Anna Univ.      | Thermal                | 03-08-2021 | 1.9  | Assistant Professor | Assistant Professor | - | Regular | - | No  | 31-05-2023 |
| <b>DEPARTMENT OF MECHATRONICS ENGINEERING</b> |                         |         |                 |                        |            |      |                     |                     |   |         |   |     |            |
| 23.                                           | Dr. A Tony Thomas       | Ph.D    | Anna Univ.      | Thermal                | 16-08-2021 | 1.9  | Associate Professor | Associate Professor | - | Regular | - | No  | 31-05-2023 |
| 24.                                           | Mr. K K Manivannan      | M.E.    | Anna Univ.      | Embedded System        | 11-07-2022 | 1    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 25.                                           | Ms. M Shanmuga Priya    | M.E.    | Anna Univ.      | PED                    | 18-06-2018 | 5    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 26.                                           | Ms. G Bhavani Bharathi  | M.E.    | Anna Univ.      | Medical Electronics    | 22-06-2015 | 8    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 27.                                           | Ms. P Vinotha           | M.E.    | Anna Univ.      | VLSI Design            | 19-06-2019 | 4    | Assistant Professor | Assistant Professor | - | Regular | - | Yes | -          |
| 28.                                           | Ms. M Lavanya           | M.E.    | Anna Univ.      | Applied Electronics    | 23-06-2014 | 8.11 | Assistant Professor | Assistant Professor | - | Regular | - | No  | 31-05-2023 |
| 29.                                           | Mr. Ajjeet Verghese     | MS      | Univ. of Leeds  | Mechatronics &Robotics | 22-03-2021 | 2.2  | Assistant Professor | Assistant Professor | - | Regular | - | No  | 31-05-2023 |

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

| Year                                                                                                                        | CAY<br>2024-25                           | CAYm1<br>2023-24      | CAYm2<br>2022-23       |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------|------------------------|
| UG <sub>1</sub> . B // 2 <sup>nd</sup> year students of UG <sub>1</sub> program                                             | 33                                       | 33                    | 33                     |
| UG <sub>1</sub> . C // 3 <sup>rd</sup> year students of UG <sub>1</sub> program                                             | 33                                       | 33                    | 99                     |
| UG <sub>1</sub> . D // 4 <sup>th</sup> year students of UG <sub>1</sub> program                                             | 33                                       | 99                    | 128                    |
| UG <sub>1</sub> // Total no.of students(2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> )<br>in UG <sub>1</sub> program | 99                                       | 165                   | 260                    |
| UG <sub>n</sub> . B // 2 <sup>nd</sup> year students of UG <sub>n</sub> program                                             | 33                                       | 33                    | 33                     |
| UG <sub>n</sub> . C // 3 <sup>rd</sup> year students of UG <sub>n</sub> program                                             | 33                                       | 33                    | 33                     |
| UG <sub>n</sub> . D // 4 <sup>th</sup> year students of UG <sub>n</sub> program                                             | 33                                       | 33                    | 66                     |
| UG <sub>n</sub> // Total no.of students(2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> )<br>in UG <sub>n</sub> program | 99                                       | 99                    | 132                    |
| PG <sub>1</sub> . A // 1 <sup>st</sup> year students of PG <sub>1</sub> program                                             | 31                                       | 33                    | 33                     |
| PG <sub>1</sub> . B // 2 <sup>nd</sup> year students of PG <sub>1</sub> program                                             | 33                                       | 33                    | 33                     |
| PG <sub>1</sub> // Total no.of students(1 <sup>st</sup> , 2 <sup>nd</sup> ) in<br>PG <sub>1</sub> program                   | 33                                       | 33                    | 66                     |
| .....                                                                                                                       | 97                                       | 99                    | 132                    |
| PG <sub>m</sub> . A // 1 <sup>st</sup> year students of PG <sub>m</sub> program                                             | 12                                       | 12                    | 12                     |
| PG <sub>m</sub> . B // 2 <sup>nd</sup> year students of PG <sub>m</sub> program                                             | 12                                       | 12                    | 12                     |
| PG <sub>m</sub> // Total no.of students(1 <sup>st</sup> , 2 <sup>nd</sup> ) in<br>PG <sub>m</sub> program                   | 24                                       | 24                    | 24                     |
| DS=Total no. of students in all UG and PG<br>programs in the Department                                                     | 123                                      | 189                   | 284                    |
| AS=Total no. of students of all UG and PG<br>programs in allied departments                                                 | 196                                      | 198                   | 264                    |
| <b>S=Total no. of students in the<br/>Department (DS) and allied departments<br/>(AS)</b>                                   | 319                                      | 387                   | 548                    |
| DF=Total no. of faculty members in<br>the Department                                                                        | 13                                       | 16                    | 16                     |
| AF= Total no. of faculty members in the allied<br>Departments                                                               | 11                                       | 12                    | 13                     |
| F=Total no. of faculty members in the<br>Department (DF) and allied Departments<br>(AF)                                     | 24                                       | 28                    | 29                     |
| FF=The faculty members in F who have a 100%<br>teaching load in the first-year courses                                      | 0                                        | 0                     | 0                      |
| <b>Student Faculty Ratio (SFR)=S/(F-FF)</b>                                                                                 | SFR1=319/24<br>=13.29                    | SFR2=<br>387/28=13.82 | SFR3= 548/29<br>=18.90 |
| Average SFR for 3 years                                                                                                     | Average SFR=(SFR1+SFR2+SFR3)/3<br>=15.34 |                       |                        |

**C3: Faculty Qualification****Table No.C3.1:** Faculty qualification.

| Year                 | X  | Y  | RF    | $FQI = 2.5 * [(10X + 4Y)/RF]$ |
|----------------------|----|----|-------|-------------------------------|
| <b>CAY 2024-25</b>   | 17 | 7  | 15.95 | 31.03                         |
| <b>CAYm1 2023-24</b> | 17 | 11 | 19.35 | 27.65                         |
| <b>CAYm2 2022-23</b> | 13 | 16 | 27.4  | 17.7                          |
| Average Assessment   |    |    |       | 17                            |

**C4: Faculty Cadre Proportion****Table No.C4.1:** Faculty cadre proportion details.

| Year                   | Professors            |                        | Associate Professors  |                        | Assistant Professors  |                        |
|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|
|                        | Required Faculty(RF1) | Available Faculty(AF1) | Required Faculty(RF2) | Available Faculty(AF2) | Required Faculty(RF3) | Available Faculty(AF3) |
| <b>CAY</b>             | 2                     | 5                      | 4                     | 6                      | 11                    | 13                     |
| <b>CAYm1</b>           | 3                     | 6                      | 5                     | 4                      | 13                    | 18                     |
| <b>CAYm2</b>           | 3                     | 4                      | 6                     | 3                      | 18                    | 22                     |
| <b>Average Numbers</b> | RF1=2.67              | AF1= 5                 | RF2= 5                | AF2=4.33               | RF3=14                | AF3=17.67              |



**C5: Visiting/Adjunct Faculty/Professor of Practice****Table No. C5.1:** List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

| S.N.                       | Name of the Person | Designation & Organization        | Name of the Course                                                                     | No. of hours handled                              |
|----------------------------|--------------------|-----------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>CAYm1(2023-24)</b>      |                    |                                   |                                                                                        |                                                   |
| 1                          | Dr. N. Govindaraju | Retired Professor & Industrialist | Engineering Graphics, Engineering Mechanics, Metrology & Measurements, Project Reviews | ODD Semester: 30 hours<br>Even Semester: 30 hours |
| 2                          | Dr. T S Ravikumar  | Retired Professor                 | Thermal Engineering Project Reviews<br>Mentor for OBE Practices                        | ODD Semester: 30 hours<br>Even Semester: 30 hours |
| Total no. of hours:        |                    |                                   |                                                                                        | <b>120</b>                                        |
| <b>CAYm2 (2022-23)</b>     |                    |                                   |                                                                                        |                                                   |
| 1                          | Dr. N. Govindaraju | Retired Professor & Industrialist | Engineering Graphics, Engineering Mechanics, Metrology & Measurements, Project Reviews | ODD Semester: 30 hours<br>Even Semester: 30 hours |
| 2                          | Dr. T S Ravikumar  | Retired Professor                 | Thermal Engineering Project Reviews<br>Mentor for OBE Practices                        | ODD Semester: 30 hours<br>Even Semester: 30 hours |
| Total no. of hours:        |                    |                                   |                                                                                        | 120                                               |
| <b>CAYm3 (2021-22)</b>     |                    |                                   |                                                                                        |                                                   |
| 1                          | Dr. N. Govindaraju | Retired Professor & Industrialist | Engineering Graphics, Engineering Mechanics, Metrology & Measurements, Project Reviews | ODD Semester: 30 hours<br>Even Semester: 30 hours |
| 2                          | Dr. T S Ravikumar  | Retired Professor                 | Thermal Engineering Project Reviews<br>Mentor for OBE Practices                        | ODD Semester: 30 hours<br>Even Semester: 30 hours |
| <b>Total no. of hours:</b> |                    |                                   |                                                                                        | 120                                               |

**C6: Academic Research****Table No. C6.1:** Faculty publication details.

| S.N. | Item                                             | CAYm1<br>2023-24 | CAYm2<br>2022-23 | CAYm3<br>2021-22 |
|------|--------------------------------------------------|------------------|------------------|------------------|
| 1    | No. of peer reviewed journal papers published    | 48               | 4                | 8                |
| 2    | No. of peer reviewed conference papers published | 35               | 12               | 8                |
| 3    | No. of books/book chapters published             | 17               | --               | 1                |

**C7: Sponsored Research Project**
**Table No. C7.1:** List of sponsored research projects received from external agencies.

| S.N.                                              | 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) |
|---------------------------------------------------|------------------------|-----------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------|--------------------------|---------------|
| <b>CAYm1(2023-24)</b>                             |                        |                       |                                                |                                                                                                  |                            |                          |               |
| 1                                                 | Dr.S. Gopinath         | -                     | Mechanical                                     | Mentor Mentee Scheme                                                                             | AICTE - MoE                | 2 Years                  | 2.25          |
| 2                                                 | Dr.M. Vignesh Kumar    | Dr. S Jesudass Thomas | Mechanical                                     | Seminar                                                                                          | SERB                       | 1 Year                   | 1.00          |
| 3                                                 | Dr.M. Vignesh Kumar    | -                     | Mechanical                                     | Hackathon                                                                                        | MSME                       | 2 Years                  | 14.5          |
| 4                                                 | Dr. M Arulprakasajothi | -                     | Mechanical                                     | Fabrication of Graphene Coated Cu Heat Sink for Electric Vehicle Battery Thermal Management      | TARE-SERB                  | 3 Years                  | 2.75 Lacs     |
| Amount received (Rs.)                             |                        |                       |                                                |                                                                                                  |                            |                          | 20.5 Lacs     |
| <b>CAYm2(2022-23)</b>                             |                        |                       |                                                |                                                                                                  |                            |                          |               |
|                                                   |                        |                       |                                                |                                                                                                  |                            |                          |               |
| <b>Amount received (Rs.)</b>                      |                        |                       |                                                |                                                                                                  |                            |                          |               |
| <b>CAYm3(2021-22)</b>                             |                        |                       |                                                |                                                                                                  |                            |                          |               |
| 1.                                                | Dr. G. Prabhakaran     |                       | Atal Tunnel – YUVAK scheme                     |                                                                                                  | AICTE                      | 01.11.2021 to 03.11.2021 | 2 Lacs        |
| 2.                                                | Dr. G. Prabhakaran     |                       | AICTE MODROB                                   |                                                                                                  | AICTE                      | 2020-2022                | 9 Lacs        |
| 3.                                                | Dr. M Vignesh Kumar    |                       |                                                | Design and development of multi- purpose smart vending cart integrated with a Mobile application | TNSCST                     | Feb - 2022               | 0.075 Lacs    |
| Amount received (Rs.)                             |                        |                       |                                                |                                                                                                  |                            |                          | 11.075 Lacs   |
| Total Amount (Lacs) Received for the Past 3 Years |                        |                       |                                                |                                                                                                  |                            |                          | 31.575 Lacs   |

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

| S.N.                         | 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) |
|------------------------------|-----------------------|--------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------|-------------------------|---------------|
| <b>CAYm1 (2023-24)</b>       |                       |                                            |                                                |                                                                                                  |                            |                         |               |
| 1.                           | Dr. V. Andal          | Dr. Z Edward Kennedy<br>Ms. Priya Bijesh   | Mechanical                                     | Carbon fertilizer Project                                                                        | Thejo Engineering Limited  | 6 months                | 1 lac         |
| 2.                           | Dr. V. Andal          | Dr. Z Edward Kennedy<br>Ms. K. Buvaneswari | Mechanical                                     | Recycling of Tejo rubber oil by green approach                                                   | Thejo Engineering Limited  | 6 months                | 1 lac         |
| 3.                           | Dr. Z Edward Kennedy  | Dr.V.Andal<br>Ms. G.Jayanthi               | Mechanical                                     | Self-healing Anticorrosive rubber based brush able coatings                                      | Thejo Engineering Limited  | 6 months                | 1 lac         |
| 4.                           | Dr. S Jesudass Thomas | Mr. I Manikandan                           | Mechanical                                     | AI and Machine Learning Applications in Predictive NDT                                           | Shri SAI NDT               | 6 months                | 3 Lacs        |
| 5                            | Dr D Easu             | Dr V Gopal                                 | Mechanical                                     | Mechanical properties Evaluation and Performance enhancement of high pressure die cast component | CRP India Pvt. Ltd.        | 1 Year                  | 1 Lac         |
| <b>Amount received (Rs.)</b> |                       |                                            |                                                |                                                                                                  |                            |                         | 7 Lacs        |
| <b>CAYm2 (2022-23)</b>       |                       |                                            |                                                |                                                                                                  |                            |                         |               |
| 1.                           | Dr.S.Jesudass Thomas  | -                                          | Casting Preparation                            | Casting for Projects                                                                             | -                          | 1 year                  | 0.83 Lacs     |
| 2.                           | Dr. S Jesudass Thomas | Mr. I Manikandan                           | Mechanical                                     | Sustainability in NDT: Reducing Environmental impact through Smart Inspection Planning           | Shri SAI NDT               | 6 months                | 2.3 Lacs      |
| 3.                           | Dr D Easu             | Dr V Gopal                                 | Mechanical                                     | Process Parameter optimization for dimensional accuracy in HPTC Components                       | CRP India Pvt. Ltd.        | 1 Year                  | 1 Lac         |
| <b>Amount received (Rs.)</b> |                       |                                            |                                                |                                                                                                  |                            |                         | 4.13 Lacs     |
| <b>CAYm3 (2021-22)</b>       |                       |                                            |                                                |                                                                                                  |                            |                         |               |
| 1.                           | Dr.S.Jesudass Thomas  | -                                          | Casting Preparation                            | Casting for Projects                                                                             | -                          | 1 year                  | 0.9 Lacs      |
| 2.                           | Dr.S.Jesudass Thomas  | -                                          | Mechanical                                     | Training in Mechanical Laboratories to B.E graduates (27 Nos.) recruited by Sanmar Group         | Sanmar Group               |                         | 1.62 Lacs     |

|                                                   |                       |                  |            |                                                                                              |              |          |            |
|---------------------------------------------------|-----------------------|------------------|------------|----------------------------------------------------------------------------------------------|--------------|----------|------------|
| 3.                                                | Dr.S.Jesudass Thomas  | -                | Mechanical | Training in Mechanical Laboratories to Diploma Candidates (8 Nos.) recruited by Sanmar Group | Sanmar Group |          | 0.24 Lacs  |
| 4.                                                | Dr. S Jesudass Thomas | Mr. I Manikandan | Mechanical | Standardization Needs for Emerging NDT Techniques in Industry 4.0                            | Shri SAI NDT | 6 months | 3.5 Lacs   |
| Amount received (Rs.)                             |                       |                  |            |                                                                                              |              |          | 6.26 Lacs  |
| Total amount (Lacs) received for the past 3 years |                       |                  |            |                                                                                              |              |          | 17.39 Lacs |

### 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.

| S.No.                                             | Faculty name     | Project title/<br>Support for Activity | Duration | Amount<br>(Lacs) | Amount<br>Utilized<br>(Lacs) | Outcomes of the<br>project |
|---------------------------------------------------|------------------|----------------------------------------|----------|------------------|------------------------------|----------------------------|
| CAYm1(2023-24)                                    |                  |                                        |          |                  |                              |                            |
| 1                                                 | Dr.Vignesh Kumar | SAE Event                              | 1 Year   | 3                | 3                            | Students Prototype         |
| Amount received (Rs.)                             |                  |                                        |          | 3                |                              |                            |
| CAYm2(2022-23)                                    |                  |                                        |          |                  |                              |                            |
| 1                                                 | Dr.Vignesh Kumar | SAE Event                              | 1 Year   | 3                | 3                            | Students Prototype         |
| Amount received (Rs.)                             |                  |                                        |          | 3                |                              |                            |
| CAYm3(2021-22)                                    |                  |                                        |          |                  |                              |                            |
| 1                                                 | Dr.Vignesh Kumar | SAE Event                              | 1 Year   | 3                | 3                            | Students Prototype         |
| Amount received (Rs.)                             |                  |                                        |          | 3                |                              |                            |
| Total amount (Lacs) received for the past 3 years |                  |                                        |          | 9                | 9                            |                            |

**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.

| S. No. | Name of the Laboratory                   | No. of students per setup (Batch Size) | Name of the major equipment                                                                                                                   | Weekly utilization status (all the courses for which the lab is utilized)                                                          | Technical Manpower support  |                |                                            |
|--------|------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------|--------------------------------------------|
|        |                                          |                                        |                                                                                                                                               |                                                                                                                                    | Name of the technical staff | Designation    | Qualification                              |
| 1.     | Strength of Materials Laboratory         | 5                                      | Universal testing machine, Torsion testing machine, Brinell Hardness testing machine, Spring testing machine and Jomny End Quenching machine. | 20 Hours<br>CE8381(R2017)<br>CE3481(R2021),<br>23CE412(R2023)<br>AS3361(R2021)<br>CE8481(R2017)                                    | Mr V Sabu                   | Lab Instructor | BSC Physics, AMIE (Mechanical Engineering) |
| 2.     | Heat Transfer Laboratory                 | 5                                      | Pin Fin apparatus, Heat exchanger – parallel & Counter flow apparatus, Air conditioning test rig and Stefan-Boltzmann apparatus.              | 20 Hours<br>ME3682(R2021),<br>ME8512(R2017)                                                                                        | Mr D Karthikeyan            | Lab Instructor | ITI (Fitter), BA (History)                 |
| 3.     | Thermal Engineering Laboratory           | 5                                      | Twin cylinder diesel engine, Single cylinder diesel engine, Air compressor and Multi- cylinder petrol engine.                                 | 20 Hours<br>AS3361(R2021)<br>AE8311(R2017)<br>ME3461(R2021)<br>ME8512(R2017)                                                       | Mr. D Karthikeyan           | Lab Instructor | ITI (Fitter), BA (History)                 |
| 4.     | Fluid Mechanics and Machinery Laboratory | 5                                      | Pelton turbine, Francis turbine, Centrifugal pump, Reciprocating pump, Gear oil pump and Friction in pipes.                                   | 20 Hours<br>CE3362(R2021)<br>CE8381(R2017)                                                                                         | Mr. T Ganesh                | Lab Instructor | ITI                                        |
| 5.     | Machine Shop                             | 5                                      | Lathe, Capstan lathe, Radial drilling machine, Centreless grinding machine, Gear hobbing, Shaping machine and Milling machine                 | 35 Hours<br>ME3382(R2021)<br>ME8361(R2021)<br>ME8462(R2017)                                                                        | Mr V Sabu                   | Lab Instructor | BSC Physics, AMIE (Mechanical Engineering) |
| 6.     | CAD/CAM Laboratory.                      | 15                                     | AutoCAD Software, SolidWorks software, ANSYS Software, CNC Milling and CNC Lathe machines                                                     | 35 Hours<br>ME8381(R2017)<br>ME8681(R2017)<br>ME8711(R2017)<br>ME3681(R2021)<br>ME3381(R2021)<br>23ME321(R2023)<br>23ME211 (R2023) | Mr. C Viswanathan           | Lab Instructor | Bachelor of Automobile Engineering         |

|     |                                  |   |                                                                                                                                                                                             |                                                                                |                              |                |                                            |
|-----|----------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------|----------------|--------------------------------------------|
| 7.  | Metrology Laboratory             | 5 | Gear tooth Vernier, Mechanical Comparator, Sine bar, Auto Collimator & Angle Dekkor, Tool Makers Microscope, CMM                                                                            | 8 Hours<br>ME3581(R2021)<br>23ME511(R2023)<br>ME8513(R2017)                    | Mr. C Viswanathan            | Lab Instructor | Bachelor of Automobile Engineering         |
| 8.  | Dynamics Laboratory              | 5 | Vibrating table apparatus, Dynamic balancing machine, CAM analysis machine, Whirling of shaft Apparatus and Motorized gyroscope.                                                            | 16 Hours<br>ME3581(R2021)<br>ME8511(R2017)<br>23ME312(R2023)<br>23ME422(R2023) | Mr V Sabu                    | Lab Instructor | BSC Physics, AMIE (Mechanical Engineering) |
| 9.  | Fluid Power Laboratory           | 5 | PLC –RTA Hydraulic linear actuation trainer, Electro pneumatic trainer with PLC, Servo controller inter phasing for open loop and closed loop, Hydraulic and Pneumatic simulation software. | 8 Hours<br>ME3781(R2021)<br>ME8781(R2017)                                      | Mr. A Charles                | Lab Instructor | ITI                                        |
| 10. | Engineering Practices Laboratory | 5 | Arc Welding Machine, Power hacksaw machine, Jig saw, Anvil and Bench vice.                                                                                                                  | 35 Hours<br>GE8261(R2017)<br>GE3271(R2021)<br>23ME221(R2023)                   | Mr. D Karthikeyan / Mr. Arul | Lab Instructor | ITI (Fitter), BA (History)/ Carpenter      |
| 11. | Research Laboratory              | - | Stir casting machine, Slurry corrosion erosion tester and Computer controlled potentiostate Galvanostate & standard corrosion cell kit.                                                     | 20 Hours<br>ME3811(R2021)<br>ME8811(R2017)<br>ME8682(R2017)                    | Mr. D Karthikeyan            | Lab Instructor | ITI (Fitter), BA (History)                 |
| 12. | SAE Fabrication Laboratory       | - | Basic workshop power tools with welding hand grinding and hand drilling machines.                                                                                                           | 24/7<br>ME3811(R2021)<br>ME8811(R2017)<br>ME8682(R2017)                        | Dr Vigensh Kumar M           | Faculty        | Ph.D                                       |
| 13. | BOSCH Centre of Excellence       | - | Battery Tester, Air Conditioning System, Electrical Test Bench, Injector Tester, OBD System.                                                                                                | 20 Hours                                                                       | Dr Vigensh Kumar M           | Faculty        | Ph.D                                       |

## D2: Safety Measures in Laboratories

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

| S.N. | Name of the Laboratory           | Safety measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.   | Strength of Materials Laboratory | <p><b>First Aid Box:</b><br/>First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/>Standard Operating Procedures (SOP) are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/>Machine capacity and details are displayed in each machine.<br/>Proper guards are provided in all the running parts of the machines.<br/>Students must follow Lab dress code properly.<br/>Safety glasses and gloves are provided to the students while operating the machines.<br/>Machines are properly covered with safe guards.<br/>The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipment</b><br/>Each lab is equipped with Fire Extinguishers that are placed at accessible locations. Unobstructed access is provided to all exits and fire extinguishers.<br/>Work instructions and supervision are provided.<br/>Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/>Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/>The working area and equipment are cleanly maintained and organized.</p> |
| 2.   | Heat Transfer Laboratory         | <p><b>First Aid Box:</b><br/>First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/>Standard Operating Procedures are strictly followed for all the equipment. For emergency situations or conditions, contact numbers of Ambulance, Fire service, and security officers are displayed.<br/>Machine capacity and details are displayed in each machine. Proper guards are provided in all the running parts of the machines.<br/>Students must follow the Lab dress code properly.<br/>Safety glasses and gloves are provided to the students while operating the machines.<br/>Machines are properly covered with safeguards.<br/>The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|    |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                          | <p><b>Electrical Safety:</b><br/> All electrical equipment and components are inspected and approved by the competent authority.<br/> Formal training and awareness programs are arranged on electrical appliances.<br/> Working space around Lab equipment and machines are maintained properly.<br/> All electrical panels, cables, and devices are thoroughly checked periodically.<br/> Earth Connections are checked periodically.<br/> A circuit breaker is provided in each and every main supply panel.<br/> Electrical Installation is periodically monitored to avoid leakage.<br/> There are 13 lightning arresters installed and maintained at various locations within the Institution. The operation circle of the lightning arresters covers all the buildings and structures in the campus.<br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p>                                                                                                                                                                                                                                                                                                                                             |
| 3. | Thermal Engineering Laboratory           | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically.<br/> Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/> Standard Operating Procedures are strictly followed for all the equipment.<br/> For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/> Machine capacity and details are displayed in each machine.<br/> Proper guards are provided in all the running parts of the machines.<br/> Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.<br/> Machines are properly covered with safe guards.<br/> The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipment</b><br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/> Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/> The working area and equipment are cleanly maintained and organized.</p> |
| 4. | Fluid Mechanics and Machinery Laboratory | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically.<br/> Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



|    |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                         | <p>Standard Operating Procedures are strictly followed for all the equipment.<br/> For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/> Machine capacity and details are displayed in each machine.<br/> Proper guards are provided in all the running parts of the machines.<br/> Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.<br/> Machines are properly covered with safe guards.<br/> The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipment</b><br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/> Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/> The working area and equipment are cleanly maintained and organized.</p>                                                                                                                                                                                                                                     |
| 5. | Machine Shop Laboratory | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically.<br/> Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/> Standard Operating Procedures are strictly followed for all the equipment.<br/> For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/> Machine capacity and details are displayed in each machine.<br/> Proper guards are provided in all the running parts of the machines.<br/> Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.<br/> Machines are properly covered with safe guards.<br/> The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipments</b><br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/> Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/> The working area and equipment are cleanly maintained and organized.</p> |

|   |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6 | CAD/CAM Laboratory.  | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors.<br/> Report to lab in charge in case any problem and do not install / debug without their knowledge.<br/> Keep all your files in one folder with proper password and keep it confidential<br/> In time and out time should be entered in the register<br/> Without permission don't copy anything from the system with pen drives or CD's.<br/> Shut down the PC while you are leaving the lab<br/> Do and Don'ts are displayed in the laboratory.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7 | Metrology Laboratory | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors.<br/> <b>Safety Measures:</b><br/> Standard Operating Procedures are strictly followed for all the equipment.<br/> For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/> Machine capacity and details are displayed in each machine.<br/> Proper guards are provided in all the running parts of the machines.<br/> Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.<br/> Machines are properly covered with safe guards.<br/> The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.<br/> <b>Fire Fighting Equipment</b><br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.<br/> <b>Housekeeping</b><br/> Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/> The working area and equipment are cleanly maintained and organized.</p> |
| 8 | Dynamics Laboratory  | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically. Necessary First Aid training is provided to the lab instructors.<br/> <b>Safety Measures:</b><br/> Standard Operating Procedures are strictly followed for all the equipment.<br/> For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/> Machine capacity and details are displayed in each machine.<br/> Proper guards are provided in all the running parts of the machines.<br/> Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|     |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                                  | <p>Machines are properly covered with safe guards.<br/>The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipment</b><br/>Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/>Unobstructed access is provided to all exits and fire extinguishers.<br/>Work instructions and supervision are provided.<br/>Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/>Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/>The working area and equipment are cleanly maintained and organized.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9   | Mechatronics Laboratory          | <p><b>First Aid Box:</b><br/>First Aid kits are placed in every laboratory. It is maintained and replenished periodically.<br/>Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/>Standard Operating Procedures are strictly followed for all the equipment.<br/>For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/>Machine capacity and details are displayed in each machine.<br/>Proper guards are provided in all the running parts of the machines.<br/>Students must follow Lab dress code properly.<br/>Safety glasses and gloves are provided to the students while operating the machines.<br/>Machines are properly covered with safe guards.<br/>The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipment</b><br/>Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/>Unobstructed access is provided to all exits and fire extinguishers.<br/>Work instructions and supervision are provided.<br/>Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/>Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/>The working area and equipment are cleanly maintained and organized.</p> |
| 10. | Engineering Practices Laboratory | <p><b>First Aid Box:</b><br/>First Aid kits are placed in every laboratory. It is maintained and replenished periodically.<br/>Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/>Standard Operating Procedures are strictly followed for all the equipment.<br/>For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/>Machine capacity and details are displayed in each machine.<br/>Proper guards are provided in all the running parts of the machines.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|     |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                            | <p>Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.<br/> Machines are properly covered with safe guards.<br/> The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipment</b><br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/> Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/> The working area and equipment are cleanly maintained and organized.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 11. | Research Laboratory        | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically.<br/> Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/> Standard Operating Procedures are strictly followed for all the equipment.<br/> For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/> Machine capacity and details are displayed in each machine.<br/> Proper guards are provided in all the running parts of the machines.<br/> Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.<br/> Machines are properly covered with safe guards.<br/> The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipment</b><br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/> Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/> The working area and equipment are cleanly maintained and organized.</p> |
| 12. | SAE Fabrication Laboratory | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically.<br/> Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/> Standard Operating Procedures are strictly followed for all the equipment.<br/> For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|    |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                            | <p>Machine capacity and details are displayed in each machine.<br/> Proper guards are provided in all the running parts of the machines.<br/> Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.<br/> Machines are properly covered with safe guards.<br/> The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Equipment</b><br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/> Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/> The working area and equipment are cleanly maintained and organized.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 13 | BOSCH Centre of Excellence | <p><b>First Aid Box:</b><br/> First Aid kits are placed in every laboratory. It is maintained and replenished periodically.<br/> Necessary First Aid training is provided to the lab instructors.</p> <p><b>Safety Measures:</b><br/> Standard Operating Procedures are strictly followed for all the equipment.<br/> For emergency situations or conditions, contact numbers of Ambulance, Fire service and security officers are displayed.<br/> Machine capacity and details are displayed in each machine.<br/> Proper guards are provided in all the running parts of the machines.<br/> Students must follow Lab dress code properly.<br/> Safety glasses and gloves are provided to the students while operating the machines.<br/> Machines are properly covered with safe guards.<br/> The students are instructed not to use any equipment unless they are trained and approved as a user by the lab assistant.</p> <p><b>Fire Fighting Measurements</b><br/> Each lab is equipped with Fire Extinguishers that are placed at accessible locations.<br/> Unobstructed access is provided to all exits and fire extinguishers.<br/> Work instructions and supervision are provided.<br/> Effective safety arrangements are made with multiple exits and ventilation/exhausts in laboratories.</p> <p><b>Housekeeping</b><br/> Equipment, shop bench, computers, and other work areas are regularly cleaned.<br/> The working area and equipment are cleanly maintained and organized.</p> |

**D3: Project Laboratory/Research Laboratory****Table No. D3.1:** List of project laboratory/research laboratory /Centre of Excellence.**Project / Research Laboratories and Facilities**

| S. No. | Name of the Laboratory |
|--------|------------------------|
| 1      | Research Lab           |
| 2      | Dynamics lab           |
| 3      | Heat Transfer lab      |
| 4      | CAD/CAM Lab            |

**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=<br>No. of faculty members<br>((NS1*0.8) +(NS2*0.2))/(No. of<br>required faculty (RF4));<br><br>Percentage=((NS1*0.8)+<br>(NS2*0.2))/RF4 |
|------------------|-------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| CAY<br>2024-25   | 870                                       | 44                                   | 35                                                                                                                  | 57                                                          | 89.55                                                                                                                                               |
| CAYm1<br>2023-22 | 810                                       | 41                                   | 34                                                                                                                  | 70                                                          | 100                                                                                                                                                 |
| CAYm2<br>2021-22 | 660                                       | 33                                   | 33                                                                                                                  | 32                                                          | 99.39                                                                                                                                               |

**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 CFY     | Actual Expenses in CFY | Budgeted in CFYm1   | Actual Expenses in CFYm1 | Budgeted in CFYm2   | Actual Expenses in CFYm2 | Budgeted in CFYm3   | Actual Expenses in CFYm3 |
|------------------------------------------|---------------------|------------------------|---------------------|--------------------------|---------------------|--------------------------|---------------------|--------------------------|
|                                          | 2024-25             | 2024-25                | 2023-24             | 2023-24                  | 2022-23             | 2022-23                  | 2021-22             | 2021-22                  |
| Infrastructure Built-Up                  | 3,60,00,000         | 3,59,25,689            | 5,60,00,000         | 5,61,63,123              | 1,90,00,000         | 1,87,29,613              | 2,00,00,000         | 2,01,08,831              |
| Library                                  | 20,00,000           | 19,36,280              | 35,00,000           | 34,85,117                | 19,00,000           | 18,84,910                | 13,50,000           | 13,08,569                |
| Laboratory equipment                     | 1,80,00,000         | 1,80,12,060            | 65,00,000           | 63,54,644                | 1,10,00,000         | 1,16,51,630              | 2,60,00,000         | 2,55,47,392              |
| Teaching and non-teaching staff salary   | 18,50,00,000        | 18,55,94,081           | 15,50,00,000        | 15,33,50,809             | 14,25,00,000        | 14,14,16,661             | 11,50,00,000        | 11,38,23,783             |
| Outreach Programs                        |                     |                        | 30,00,000           | 29,11,763                | 34,00,000           | 33,75,312                |                     |                          |
| R&D                                      | 50,00,000           | 50,94,808              | 35,00,000           | 34,38,811                | 14,50,000           | 14,59,483                | 23,00,000           | 22,68,788                |
| Training, Placement and Industry linkage | 2,60,00,000         | 2,61,18,718            | 1,80,00,000         | 1,85,83,528              | 80,00,000           | 80,14,359                | 55,00,000           | 54,14,957                |
| SDGs                                     | 11,00,000           | 11,00,000              | 9,00,000            | 8,80,000                 | 8,00,000            | 7,74,000                 |                     |                          |
| Entrepreneurship                         | 10,00,000           | 9,97,948               | 8,00,000            | 7,62,000                 | 4,00,000            | 3,75,000                 |                     |                          |
| Others, specify#                         | 19,20,00,000        | 19,08,88,840           | 17,25,00,000        | 17,14,52,268             | 11,75,00,000        | 11,65,36,563             | 10,50,00,000        | 10,57,75,896             |
| <b>Total amount</b>                      | <b>46,61,00,000</b> | <b>46,56,68,424</b>    | <b>41,97,00,000</b> | <b>41,73,82,063</b>      | <b>30,59,50,000</b> | <b>30,42,17,531</b>      | <b>27,51,50,000</b> | <b>27,42,48,216</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 CFY | Actual Expenses in CFY | Budgeted in CFYm1 | Actual Expenses in CFYm1 | Budgeted in CFYm2 | Actual Expenses in CFYm2 | Budgeted in CFYm3 | Actual Expenses in CFYm3 |
|--------------------------------------------------|-----------------|------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|
|                                                  | 2024-25         | 2024-25                | 2023-24           | 2023-24                  | 2022-23           | 2022-23                  | 2021-22           | 2021-22                  |
| Laboratory equipment                             | 655000          | 659690                 | 125000            | 97999                    | 3430000           | 3403880                  | 1980000           | 1968391                  |
| Software                                         | 220000          | 220000                 | 220000            | 220000                   | 220000            | 220000                   | 220000            | 220000                   |
| SDGs                                             | 78571           | 78571                  | 64286             | 62857                    | 57143             | 55286                    | -                 | -                        |
| Support for faculty development                  | 65000           | 56000                  | 76000             | 72345                    | 83000             | 71236                    | 0                 | 0                        |
| R & D                                            | 350000          | 300000                 | 350000            | 300000                   | 350000            | 300000                   | 350000            | 300000                   |
| Industrial Training, Industry expert, Internship | 200000          | 195800                 | 200000            | 198000                   | 200000            | 197500                   | 200000            | 188500                   |
| Miscellaneous expenses *                         | 1198886         | 1134248                | 427609            | 400361                   | 733333            | 617325                   | 412500            | 394547                   |
| <b>Total amount</b>                              | <b>2767457</b>  | <b>2644309</b>         | <b>1462895</b>    | <b>1351563</b>           | <b>5018748</b>    | <b>4865227</b>           | <b>3162500</b>    | <b>3071438</b>           |





## **NATIONAL BOARD OF ACCREDITATION**

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

#### **PART-A: Profile of the Institute**

**Name of the Program Applied for: B.Tech. Fashion Technology**

**A1: Name of the Institute:**

**KCG COLLEGE OF TECHNOLOGY**

Year of Establishment :1998

Location of the Institute: CHENNAI

**A2: Institute Address: -**

**Rajiv Gandhi Salai, Chennai**

City : Chennai

State : Tamil Nadu

Pin Code : 600097

Website : www.kcgcollege.ac.in

E-mail : principal@kcgcollege.com

Phone No (with STD Code):044-28389001

**A3: Name and Address of the Affiliating University (If any): -**

Name of the University : Anna University

City : Chennai

State : Tamil Nadu

Pin Code:600025

**A4: Type of the Institution: - (Tick the applicable choice)**

Institute of National Importance

☐

Deemed University

☐

University

☐

Autonomous

☒

Non-Autonomous (Affiliated)

☐

Any other (Please specify)

☐

**\*Provide Details:** \_\_\_\_\_

**A5: Ownership Status: - (Tick the applicable choice)**

Central Government

☐

State Government

☐

Government Aided

☐

Self-financing

☒

Any Other (Please specify) \*

☐

**\*Provide Details:** \_\_\_\_\_

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

❖ No. of UG programs: 15

❖ No. of PG programs: 07

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

| S.N. | Level of program (UG/PG) | Name of the program                                  | Year of Start | Year of close* | Name of the Department                          |
|------|--------------------------|------------------------------------------------------|---------------|----------------|-------------------------------------------------|
|      |                          | <b>B.E / B.Tech</b>                                  |               |                |                                                 |
| 1    | UG                       | B.E. Computer Science & Engineering                  | 1998          | --             | Computer Science & Engineering                  |
| 2    | UG                       | B.E. Electronics & Communication Engineering         | 1998          | --             | Electronics & Communication Engineering         |
| 3    | UG                       | B.E. Electrical & Electronics Engineering            | 1998          | --             | Electrical & Electronics Engineering            |
| 4    | UG                       | B.E. Mechanical Engineering                          | 1998          | --             | Mechanical Engineering                          |
| 5    | UG                       | B.Tech. Information Technology                       | 2001          | --             | Information Technology                          |
| 6    | UG                       | B.E. Aeronautical Engineering                        | 2007          | --             | Aeronautical Engineering                        |
| 7    | UG                       | B.E. Civil Engineering                               | 2011          | --             | Civil Engineering                               |
| 8    | UG                       | B.E. Automobile Engineering                          | 2018          | --             | Automobile Engineering                          |
| 9    | UG                       | B.Tech. Fashion Technology                           | 2018          | --             | Fashion Technology                              |
| 10   | UG                       | B.E. Aerospace Engineering                           | 2019          | --             | Aerospace Engineering                           |
| 11   | UG                       | B.E. Mechatronics Engineering                        | 2019          | --             | Mechatronics Engineering                        |
| 12   | UG                       | B.Tech. Artificial Intelligence & Data Science       | 2020          | --             | Artificial Intelligence & Data Science          |
| 13   | UG                       | B.E. Computer Science & Engineering (Cyber Security) | 2023          | --             | Computer Science & Engineering (Cyber Security) |
| 14   | UG                       | B.E. Computer Science and Engineering (AI&ML)        | 2025          | --             | Computer Science and Engineering (AI&ML)        |
| 15   | UG                       | B.E. Biomedical Engineering                          | 2026          | --             | Biomedical Engineering                          |
|      |                          | <b>M.E / M.Tech./MCA</b>                             |               |                |                                                 |
| 16   | PG                       | ME – Computer Science &Engg.                         | 2010          | --             | Computer Science & Engineering                  |
| 17   | PG                       | ME – Communication Systems                           | 2011          | --             | Electronics & Communication Engg                |
| 18   | PG                       | ME – Manufacturing Engineering                       | 2013          | --             | Mechanical Engineering                          |
| 19   | PG                       | ME – Power Electronics & Drives                      | 2013          | --             | Electrical & Electronics Engineering            |
| 20   | PG                       | ME – Aeronautical Engineering                        | 2022          | --             | Aeronautical Engineering                        |
| 21   | PG                       | MCA – Master of Computer Applications                | 2025          | --             | Computer Applications                           |
| 22   | PG                       | ME – VLSI DESIGN                                     | 2026          | --             | Electronics & Communication Engg                |

**A7: Programs to be considered for Accreditation vide this Application:****Table No. A7.1:** List of programs to be considered for accreditation.

| Cluster ID. | Name of the Department | Name of the Program         |
|-------------|------------------------|-----------------------------|
| 1.          | Fashion Technology     | B.Tech Fashion Technology   |
| 2.          | Mechanical Engineering | B.E. Mechanical Engineering |

**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) |
|----------------|--------------------------------------------|---------------------------------------------------------|
| NOT APPLICABLE |                                            |                                                         |

**PART-B: Program information**

(Data to be filled in for the program applied for Accreditation)

**B1: Provide the Required Information for the Program Applied For: -****Table No. B1:** Program details.

| S. N. | Program Name               | Year of start | Sanctioned Intake | Increase/decrease in intake, if any | Year of increase/decrease | AICTE Approval Details                                 | Accreditation Status*       | No. of times program accredited |
|-------|----------------------------|---------------|-------------------|-------------------------------------|---------------------------|--------------------------------------------------------|-----------------------------|---------------------------------|
| 1.    | B.Tech. Fashion Technology | 2018          | 60                | --                                  | --                        | F.No. Southern/1-3512546708/2018/EOA Date: 10-Apr-2018 | Applying for the first time | Not APPLICABLE                  |
|       |                            |               |                   | 30                                  | 2021                      | F.No. Southern/1-9323232016/2021/EOA Date:10-Jun-2021  |                             |                                 |

\* Write applicable one:

- ❖ Applying first time
- ❖ Granted accreditation for 2/3 years for the period (specify period)
- ❖ Granted accreditation for 5/6 years for the period (specify period)
- ❖ Not accredited (specify visit dates, year).
- ❖ Withdrawn (specify visit dates, year)
- ❖ Not eligible for accreditation.

**B2: Detail of Head of the Department for the program under consideration:****A. Name of the HoD : Dr Bharani Murugesan****B. Nature of appointment: (Tick the applicable choice)**

- ❖ Regular ☒
- ❖ Contract ☐
- ❖ Ad hoc ☐

**C. Qualification: (Tick the applicable choice)**

- ❖ Ph.D. ☒
- ❖ ME/M.Tech ☐
- ❖ Any other\* ☐

**\*Please provide details:** \_\_\_\_\_

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

| Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)                                                                          | CAY<br>2024-25 | CAYm1<br>2023-24 | CAYm2<br>2022-23 | CAYm3<br>2021-22 | CAYm4 (LYG)<br>2020-21 | CAYm5<br>(LYGm1)<br>20219-20 | CAYm6<br>(LYGm2)<br>2018-19 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|------------------|------------------|------------------------|------------------------------|-----------------------------|
| N= Sanctioned intake of the program (as per AICTE /Competent authority)                                                                                                                   | 30             | 30               | 30               | 30               | 30                     | 60                           | 60                          |
| N1= Total no. of students admitted in the 1 <sup>st</sup> year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program | 10             | 21               | 10               | 21               | 10                     | 9                            | 5                           |
| N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats                                                                                  | 0              | 6                | 6                | 9                | 8                      | 4                            | --                          |
| N3= Separate division if any                                                                                                                                                              | NA             | NA               | NA               | NA               | NA                     | NA                           | NA                          |
| N4= Total no. of students admitted in the 1st year via all supernumerary quotas                                                                                                           | NA             | NA               | NA               | NA               | NA                     | NA                           | NA                          |
| Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.                                                   | 10             | 27               | 16               | 30               | 18                     | 13                           | 5                           |

**B4: Enrolment Ratio in the First Year****Table No. B4.1:** Student enrolment ratio in the 1<sup>st</sup> year.

| Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))                                                                           | CAY<br>2024-25 | CAYm1<br>2023-24 | CAYm2<br>2022-23 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|------------------|
| N= Sanctioned intake of the program in the 1st year (as per AICTE/Competent authority)                                                                                        | 30             | 30               | 30               |
| 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 | 10             | 21               | 9                |
| N4= Total no. of students admitted in the 1st year via all supernumerary quotas                                                                                               | NA             | NA               | NA               |
| <b>Enrolment Ratio (ER)= (N1+N4)/N</b>                                                                                                                                        | 33.33          | 70.00            | 30               |
| <b>Average ER= (ER_1+ ER_2+ ER_3)/3</b>                                                                                                                                       | <b>44.44</b>   |                  |                  |

**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                                                                                                                                                                                                                                                                                                          | LYG<br>2020-21 | LYGm1<br>2019-20 | LYGm2<br>2018-19 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|------------------|
| 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). | 18             | 12               | 3                |
| B=No. of students who graduated from the program in the stipulated course duration                                                                                                                                                                                                                            | 18             | 12               | 3                |
| <b>Success Rate (SR)= (B/A)*100</b>                                                                                                                                                                                                                                                                           | 100            | 100              | 100              |
| <b>Average SR of three batches ((SR_1+SR_2+ SR_3)/3)</b>                                                                                                                                                                                                                                                      | <b>100</b>     |                  |                  |

**Note \*:** If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

**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<br>2023-24 | CAYm2<br>2022-23 | CAYm3<br>2021-22 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|
| X= (Mean of 1st year grade point average of all successful students on a 10-point scale)<br>or (Mean of the percentage of marks of all successful students in 1 <sup>st</sup> year/10) | 7.52             | 7.15             | 7.15             |
| Y= Total no. of successful students                                                                                                                                                    | 21               | 08               | 19               |
| Z = Total no. of students appeared in the examination                                                                                                                                  | 21               | 09               | 19               |
| API = $X * (Y/Z)$                                                                                                                                                                      | 7.52             | 6.36             | 7.15             |
| Average API = $(API\_1 + API\_2 + API\_3)/3$                                                                                                                                           | <b>7.01</b>      |                  |                  |

**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<br>2023-24 | CAYm2<br>2022-23 | CAYm3<br>2021-22 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|
| X= (Mean of 2nd year grade point average of all successful students on a 10-point scale)<br>or (Mean of the percentage of marks of all successful students in 2 <sup>nd</sup> year/10) | 7.53             | 7.94             | 6.05             |
| Y= Total no. of successful students                                                                                                                                                    | 13               | 23               | 17               |
| Z =Total no. of students appeared in the examination                                                                                                                                   | 15               | 28               | 18               |
| API = $X * (Y/Z)$                                                                                                                                                                      | 6.53             | 6.52             | 5.71             |
| Average API = $(API\_1 + API\_2 + API\_3)/3$                                                                                                                                           | <b>6.25</b>      |                  |                  |

**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<br>2023 - 24 | CAYm2<br>2022-23 | CAYm3<br>2021-22 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|------------------|
| (Mean of 3 <sup>rd</sup> year grade point average of all successful students on a 10-point scale) or<br>(Mean of the percentage of marks of all successful students in 3 <sup>rd</sup> year/10) | 7.6                | 8                | 7.44             |
| Y= Total no. of successful students                                                                                                                                                             | 26                 | 17               | 11               |
| Z= Total no. of students appeared in the examination                                                                                                                                            | 27                 | 18               | 12               |
| API = X* (Y/Z)                                                                                                                                                                                  | 7.31               | 8.0              | 6.81             |
| Average API = ( API_1 + API_2 + API_3)/3                                                                                                                                                        | <b>7.37</b>        |                  |                  |

**B9: Placement, Higher Studies, and Entrepreneurship****Table No.B9.1:** Placement, higher studies, and entrepreneurship details.

| Item                                           | LYG<br>2020-21 | LYGm1<br>2019-20 | LYGm2<br>2018-19 |
|------------------------------------------------|----------------|------------------|------------------|
| FS*=Total no. of final year students           | 18             | 12               | 03               |
| X= No. of students placed                      | 16             | 11               | 02               |
| Y= No. of students admitted to higher studies  | 1              | 1                | 1                |
| Z= No. of students taking up entrepreneurship  | 1              | --               | --               |
| X + Y + Z =                                    | 18             | 12               | 03               |
| Placement Index (P) = (((X + Y + Z)/FS) * 100) | 100            | 100              | 100              |
| Average placement index = (P_1 + P_2 + P_3)/3  | <b>100</b>     |                  |                  |

**Note \*:** If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.



**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**

| S. No.                       | Name of the Faculty        | Highest Degree | University              | Area of Specialization | Date of Joining in this Institution | Experience in years in current institute | Designation at Time of Joining in this Institution | Present Designation | The date on which Designated as Professor / Associate Professor if any | Nature of Association (Regular / Contract / Ad hoc) | If contractual mention (Full time or Part time or hourly based) | Currently Associated (Y/N) | Date of Leaving if any (In case currently Associated is "No") |
|------------------------------|----------------------------|----------------|-------------------------|------------------------|-------------------------------------|------------------------------------------|----------------------------------------------------|---------------------|------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| <b>Academic Year 2024-25</b> |                            |                |                         |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| 1                            | Dr.R.G.Panneerselvam       | Ph.D.          | Gandhigramam University | Weaving                | 18/06/18                            | 8                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | No                                                            |
| 2                            | Dr.V.Bhanu Rekha           | Ph.D.          | Anna University         | Medical Textile        | 11/6/18                             | 8                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | 10/06/2025                                                    |
| 3                            | Dr.G.Mohamed Zakriya       | Ph.D.          | Anna University         | Technical Textile      | 15/04/19                            | 8                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | No                                                            |
| 4                            | Ms. Gowri                  | M.Tech.        | Anna University         | Textile Technology     | 18/01/19                            | 7                                        | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | 31/05/2025                                                    |
| 5                            | Mr.S. Sudarsan             | M.F. Tech.     | Anna University         | Fashion Technology     | 05/08/20                            | 5.9                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | 30/05/2025                                                    |
| 6                            | Ms. Anitha Samuel          | M.F.M          | NIFT Chennai            | Apparel Technology     | 21/09/20                            | 5.8                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | 31/05/2025                                                    |
| 7                            | Ms. S.V. Dharaga Selvi     | M.Des          | NIFT, Kannur            | Design Space           | 15/06/19                            | 8                                        | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 8                            | Ms. P.V Sri Tanush Pandian | M.Tech         | NIFT, Bangalore         | Fashion Technology     | 02/01/23                            | 4.4                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | 30/05/2025                                                    |

| S. No.                       | Name of the Faculty        | Highest Degree | University              | Area of Specialization | Date of Joining in this Institution | Experience in years in current institute | Designation at Time of Joining in this Institution | Present Designation | The date on which Designated as Professor / Associate Professor if any | Nature of Association (Regular / Contract / Ad hoc) | If contractual mention (Full time or Part time or hourly based) | Currently Associated (Y/N) | Date of Leaving if any (In case currently Associated is "No") |
|------------------------------|----------------------------|----------------|-------------------------|------------------------|-------------------------------------|------------------------------------------|----------------------------------------------------|---------------------|------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| <b>Academic Year 2023-24</b> |                            |                |                         |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| 1                            | Dr.R.G.Panneerselvam       | Ph.D.          | Gandhigramam University | Weaving                | 18/06/18                            | 7                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | No                                                            |
| 2                            | Dr.V.Bhanu Rekha           | Ph.D.          | Anna University         | Medical Textile        | 11/6/18                             | 7                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | No                                                            |
| 3                            | Dr.G.Mohamed Zakriya       | Ph.D.          | Anna University         | Technical Textile      | 15/04/19                            | 7                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | No                                                            |
| 4                            | Ms. Gowri                  | M.Tech.        | Anna University         | Textile Technology     | 18/01/19                            | 6                                        | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 5                            | Mr.S. Sudarsan             | M.F. Tech.     | Anna University         | Fashion Technology     | 05/08/20                            | 4.9                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 6                            | Ms. Anitha Samuel          | M.F.M          | NIFT Chennai            | Apparel Technology     | 21/09/20                            | 4.8                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 7                            | Ms. S.V. Dharaga Selvi     | M.Des          | NIFT, Kannur            | Design Space           | 15/06/19                            | 7                                        | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 8                            | Ms. P.V Sri Tanush Pandian | M.Tech         | NIFT, Bangalore         | Fashion Technology     | 02/01/23                            | 3.4                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |

| S. No.                       | Name of the Faculty        | Highest Degree | University              | Area of Specialization | Date of Joining in this Institution | Experience in years in current institute | Designation at Time of Joining in this Institution | Present Designation | The date on which Designated as Professor / Associate Professor if any | Nature of Association (Regular / Contract / Ad hoc) | If contractual mention (Full time or Part time or hourly based) | Currently Associated (Y/N) | Date of Leaving if any (In case currently Associated is "No") |
|------------------------------|----------------------------|----------------|-------------------------|------------------------|-------------------------------------|------------------------------------------|----------------------------------------------------|---------------------|------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| <b>Academic Year 2022-23</b> |                            |                |                         |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |
| 1                            | Dr.R.G.Panneerselvam       | Ph.D.          | Gandhigramam University | Weaving                | 18/06/18                            | 6                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | No                                                            |
| 2                            | Dr.V.Bhanu Rekha           | Ph.D.          | Anna University         | Medical Textile        | 11/6/18                             | 6                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | No                                                            |
| 3                            | Dr.G.Mohamed Zakriya       | Ph.D.          | Anna University         | Technical Textile      | 15/04/19                            | 6                                        | Associate Professor                                | Professor           | 01/07/22                                                               | Regular                                             | --                                                              | Yes                        | No                                                            |
| 4                            | Ms. Gowri                  | M.Tech.        | Anna University         | Textile Technology     | 18/01/19                            | 5                                        | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 5                            | Mr.S. Sudarsan             | M.F. Tech.     | Anna University         | Fashion Technology     | 05/08/20                            | 3.9                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 6                            | Ms. Anitha Samuel          | M.F.M          | NIFT Chennai            | Apparel Technology     | 21/09/20                            | 3.8                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 7                            | Ms. S.V. Dharaga Selvi     | M.Des          | NIFT, Kannur            | Design Space           | 15/06/19                            | 6                                        | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |
| 8                            | Ms. P.V Sri Tanush Pandian | M.Tech         | NIFT, Bangalore         | Fashion Technology     | 02/01/23                            | 2.4                                      | Assistant Professor                                | Assistant Professor |                                                                        | Regular                                             | --                                                              | Yes                        | No                                                            |

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

| S. No.         | Name of the Faculty | Highest Degree | University | Area of Specialization | Date of Joining in this Institution | Experience in years in current institute | Designation at Time of Joining in this Institution | Present Designation | The date on which Designated as Professor / Associate Professor if any | Nature of Association (Regular / Contract / Ad hoc) | If contractual mention (Full time or Part time or hourly based) | Currently Associated (Y/N) | Date of Leaving if any (In case currently Associated is "No") |
|----------------|---------------------|----------------|------------|------------------------|-------------------------------------|------------------------------------------|----------------------------------------------------|---------------------|------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| NOT APPLICABLE |                     |                |            |                        |                                     |                                          |                                                    |                     |                                                                        |                                                     |                                                                 |                            |                                                               |

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

| Year                                                                                             | CAY<br>2024-25 | CAYm1<br>2023-24 | CAYm2<br>2022-23 |
|--------------------------------------------------------------------------------------------------|----------------|------------------|------------------|
| UG1. B // 2 <sup>nd</sup> year students of UG1 program                                           | 33             | 33               | 33               |
| UG1. C // 3 <sup>rd</sup> year students of UG1 program                                           | 33             | 33               | 33               |
| UG1. D // 4 <sup>th</sup> year students of UG1 program                                           | 33             | 33               | 66               |
| UG1 // Total no.of students(2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> ) in UG1 program | 99             | 99               | 132              |
| DS=Total no. of students in all UG and PG programs in the Department                             | 99             | 99               | 132              |
| AS=Total no. of students of all UG and PG programs in allied departments                         | NA             | NA               | NA               |
| <b>S=Total no. of students in the Department (DS) and allied departments (AS)</b>                | 99             | 99               | 132              |
| DF=Total no. of faculty members in the Department                                                | 08             | 08               | 08               |
| AF= Total no. of faculty members in the allied Departments                                       | --             | --               | --               |
| F=Total no. of faculty members in the Department (DF) and allied Departments (AF)                | 08             | 08               | 08               |
| FF=The faculty members in F who have a 100% teaching load in the first-year courses              | FF1            | FF2              | FF3              |
| <b>Student Faculty Ratio (SFR)=S/(F-FF)</b>                                                      | <b>12.38</b>   | <b>12.38</b>     | <b>16.50</b>     |
| Average SFR for 3 years                                                                          | <b>13.75</b>   |                  |                  |

**C3: Faculty Qualification****Table No.C3.1:** Faculty qualification.

| Year                      | X  | Y  | RF | $FQI = 2.5 * [(10X + 4Y)/RF]$ |
|---------------------------|----|----|----|-------------------------------|
| <b>CAY<br/>2024-25</b>    | 03 | 05 | 06 | 20.8                          |
| <b>CAYm1<br/>2023-24</b>  | 03 | 05 | 06 | 20.8                          |
| <b>CAYm2<br/>2022-23</b>  | 03 | 05 | 06 | 20.8                          |
| <b>Average Assessment</b> |    |    |    | <b>20.8</b>                   |

**C4: Faculty Cadre Proportion****Table No.C4.1:** Faculty cadre proportion details.

| Year                   | Professors            |                        | Associate Professors  |                        | Assistant Professors  |                        |
|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|
|                        | Required Faculty(RF1) | Available Faculty(AF1) | Required Faculty(RF2) | Available Faculty(AF2) | Required Faculty(RF3) | Available Faculty(AF3) |
| <b>CAY</b>             | 1                     | 3                      | 1                     | 0                      | 4                     | 5                      |
| <b>CAYm1</b>           | 1                     | 3                      | 1                     | 0                      | 4                     | 5                      |
| <b>CAYm2</b>           | 1                     | 3                      | 1                     | 0                      | 4                     | 5                      |
| <b>Average Numbers</b> | <b>RF1=1</b>          | <b>AF1=3</b>           | <b>RF2=1</b>          | <b>AF2=0</b>           | <b>RF3=4</b>          | <b>AF3=5</b>           |

**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.

| S.N.                       | Name of the Person                         | Designation & Organization                                              | Name of the Course                                                               | No. of hours handled |
|----------------------------|--------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------|
| <b>CAYm1(2023-24)</b>      |                                            |                                                                         |                                                                                  |                      |
| <b>1</b>                   | Prof. Dr. Subramanian Senthil Kannan Muthu | Professor<br>Chief Sustainability Officer- <b>Green story, Hongkong</b> | FT3009 - Garment Finishing and Care<br>FT3405 – Textile Chemical Processing      | 54                   |
| <b>Total no. of hours:</b> |                                            |                                                                         |                                                                                  | <b>54</b>            |
| <b>CAYm2 (2022-23)</b>     |                                            |                                                                         |                                                                                  |                      |
| <b>1</b>                   | Prof. Dr. Subramanian Senthil Kannan Muthu | Professor<br>Chief Sustainability Officer- Green story, Hongkong        | FT3009 - Garment Finishing and Care<br>FT3405 – Textile Chemical Processing      | 56                   |
| <b>Total no. of hours:</b> |                                            |                                                                         |                                                                                  | <b>56</b>            |
| <b>CAYm3 (2021-22)</b>     |                                            |                                                                         |                                                                                  |                      |
| <b>1</b>                   | Prof. Dr. Subramanian Senthil Kannan Muthu | Professor<br>Chief Sustainability Officer- Green story, Hongkong        | FT8401 Textile Chemical Processing<br>FT8702 Garment Finishing and Clothing Care | 55                   |
| <b>Total no. of hours:</b> |                                            |                                                                         |                                                                                  | <b>55</b>            |

**C6: Academic Research****Table No. C6.1:** Faculty publication details.

| S.N. | Item                                             | CAYm1<br>2023-24 | CAYm2<br>2022-23 | CAYm3<br>2021-22 |
|------|--------------------------------------------------|------------------|------------------|------------------|
| 1    | No. of peer reviewed journal papers published    | 05               | 03               | 06               |
| 2    | No. of peer reviewed conference papers published | 03               | 02               | 01               |
| 3    | No. of books/book chapters published             | --               | --               | --               |

**C7: Sponsored Research Project****Table No. C7.1:** List of sponsored research projects received from external agencies.

| S.N.                                                     | 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)  |
|----------------------------------------------------------|-----------------------|-----------------------|------------------------------------------------|--------------------------------------------|--------------------------------------|-------------------------|----------------|
| <b>CAYm1(2023-24)</b>                                    |                       |                       |                                                |                                            |                                      |                         |                |
| <b>1</b>                                                 | Dr.G. Mohamed Zakriya | Ms. Dharaga selvi     | Fashion Technology                             | Development of Bilayer sportswear fabric   | Rheefit Pvt Ltd., Bengaluru          | 02 year                 | 08 Lacs        |
| <b>Amount received (Rs.)</b>                             |                       |                       |                                                |                                            |                                      |                         |                |
| <b>CAYm2(2022-23)</b>                                    |                       |                       |                                                |                                            |                                      |                         |                |
| <b>1</b>                                                 | Dr.G. Mohamed Zakriya | -                     | Fashion Technology                             | Development comfort fabric for inner wears | Reley Intimate, Komarapalaya m       | 01 Year                 | 05 lacs        |
| <b>Amount received (Rs.)</b>                             |                       |                       |                                                |                                            |                                      |                         |                |
| <b>CAYm3(2021-22)</b>                                    |                       |                       |                                                |                                            |                                      |                         |                |
| <b>1</b>                                                 | Dr. V. Bhanu Rekha    | Dr.G. Mohamed Zakriya | Fashion Technology                             | Development of Technical Apparels          | Arunai Creations, Gobichettipalay am | 1.5 year                | 05 lacs        |
| <b>Amount received (Rs.)</b>                             |                       |                       |                                                |                                            |                                      |                         | <b>18 lacs</b> |
| <b>Total Amount (Lacs) Received for the Past 3 Years</b> |                       |                       |                                                |                                            |                                      |                         | <b>18 lacs</b> |

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

| S.N.                                                     | 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)    |
|----------------------------------------------------------|------------------------|------------------------|------------------------------------------------|-------------------------------------------------|--------------------------------------------|-------------------------|------------------|
| <b>CAYm1 (2023-24)</b>                                   |                        |                        |                                                |                                                 |                                            |                         |                  |
| <b>1</b>                                                 | Dr. V. Bhanu Rekha     | Ms. S. V. Dharagaselvi | Fashion Technology                             | Annual Day costume designing and construction   | Hindustan International School, Karapakkam | 03 months               | 07 Lacs          |
| <b>2</b>                                                 | Ms. S. V. Dharagaselvi | Ms. S.Sowmya           | Fashion Technology                             | Knit Design developments on forecas             | Nirandharan Fashion Studio, Tambaram       | 06 months               | 02 lacs          |
| <b>Amount received (Rs.)</b>                             |                        |                        |                                                |                                                 |                                            |                         | 09 Lacs          |
| <b>CAYm2 (2022-23)</b>                                   |                        |                        |                                                |                                                 |                                            |                         |                  |
| <b>1</b>                                                 | Dr.G. Mohamed Zakriya  | -                      | Fashion Technology                             | Development of Bio Box                          | TVS Flexol Pvt Ltd., Chennai               | 01                      | 3.5 lacs         |
| <b>Amount received (Rs.)</b>                             |                        |                        |                                                |                                                 |                                            |                         | 3.5 Lacs         |
| <b>CAYm3 (2021-22)</b>                                   |                        |                        |                                                |                                                 |                                            |                         |                  |
| <b>1</b>                                                 | Dr. V. Bhanu Rekha     | Ms.S.Gowri             | Fashion Technology                             | Development of medical Textile (COVID) products | KRISH INC., Coimbatore                     | 01                      | 5.0 lacs         |
| <b>Amount received (Rs.)</b>                             |                        |                        |                                                |                                                 |                                            |                         | 5.0 Lacs         |
| <b>Total amount (Lacs) received for the past 3 years</b> |                        |                        |                                                |                                                 |                                            |                         | <b>17.5 Lacs</b> |



**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.

| S.No.                                                    | Faculty name                                      | Project title/<br>Support for Activity                                                                                               | Duration | Amount<br>(Lacs) | Amount<br>Utilized<br>(Lacs) | Outcomes of the<br>project                                      |
|----------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|------------------------------|-----------------------------------------------------------------|
| <b>CAYm1(2023-24)</b>                                    |                                                   |                                                                                                                                      |          |                  |                              |                                                                 |
| <b>1</b>                                                 | Ms. Dharagaselvi<br>&<br>Dr.G. Mohamed<br>Zakriya | Sustainable apparel<br>product development using<br>natural indigo dyes and<br>propagating the rich south<br>Indian tribal art forms | 02 year  | 01               | -                            | Ongoing project                                                 |
| <b>2</b>                                                 | Ms. Dharagaselvi                                  | Upcycling and recycling of<br>waste cloth                                                                                            | 06       | 7.5              | 7.5                          | Cause for culture :<br>Fashion show                             |
| <b>Amount received (Rs.)</b>                             |                                                   |                                                                                                                                      |          | <b>8.5</b>       |                              |                                                                 |
| <b>CAYm2(2022-23)</b>                                    |                                                   |                                                                                                                                      |          |                  |                              |                                                                 |
| <b>1</b>                                                 | Dr.G. Mohamed<br>Zakriya                          | Design and Development of<br>Foot wears for diabetic<br>patients                                                                     | 06       | 01               | 01                           | Proof of concept<br>Prototype<br>developed – Patent<br>applied. |
| <b>2</b>                                                 | Ms. Dharagaselvi                                  | Design and development of<br>fashion garments for<br>Madras couture fashion                                                          | 06       | 03               | 03                           | Participated in<br>Fashion Show                                 |
| <b>Amount received (Rs.)</b>                             |                                                   |                                                                                                                                      |          | <b>4</b>         |                              |                                                                 |
| <b>CAYm3(2021-22)</b>                                    |                                                   |                                                                                                                                      |          |                  |                              |                                                                 |
| <b>1</b>                                                 | Dr. V. Andal &<br>Dr.G. Mohamed<br>Zakriya        | Hydrogen gas Production                                                                                                              | 06       | 01               | 01                           | Developed the proof<br>of concept – Patent<br>Applied           |
| <b>2</b>                                                 | Ms. Dharagaselvi                                  | Development of<br>Fashionable garments for<br>Avantgarde                                                                             | 06       | 1.5              | 1.5                          | Participated in<br>Fashion Show                                 |
| <b>Amount received (Rs.)</b>                             |                                                   |                                                                                                                                      |          | <b>2.5</b>       |                              |                                                                 |
| <b>Total amount (Lacs) received for the past 3 years</b> |                                                   |                                                                                                                                      |          | <b>15</b>        |                              |                                                                 |

**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.

| S. No. | Name of the Laboratory                                    | No. of students per setup (Batch Size) | Name of the major equipment                                                                                                                  | Weekly utilization status (all the courses for which the lab is utilized) | Technical Manpower support  |                |                                |
|--------|-----------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------|----------------|--------------------------------|
|        |                                                           |                                        |                                                                                                                                              |                                                                           | Name of the technical staff | Designation    | Qualification                  |
| 1.     | Fabric Analysis and Textile Quality Evaluation Laboratory | 15                                     | <ul style="list-style-type: none"><li>• GSM Cutter,</li><li>• Fabric counting glass,</li><li>• Beesley Balance, Electronic balance</li></ul> | 32 hours per week                                                         | Mr. Vasantharaj             | Lab Instructor | B.Sc. Chemistry                |
| 2.     | Fashion Designing Laboratory                              | 15                                     | <ul style="list-style-type: none"><li>• Tablets, Designing Tables, Tools, Accessories</li></ul>                                              | 30 hours per week                                                         | Mr. Vetrivel J              | Lab Instructor | Diploma in Garment Technology  |
| 3.     | Pattern Making Laboratory                                 | 15                                     | <ul style="list-style-type: none"><li>• Pattern Tables, Tools and accessories, Electronic drafting</li></ul>                                 | 27 hours per week                                                         | Ms. S. Carolin              | Lab Instructor | Diploma in Garment Technology  |
| 4      | Garment Construction Laboratory                           | 15                                     | <ul style="list-style-type: none"><li>• Sewing machines, Button hole and making machine, Embroidery machine, Overlock machine</li></ul>      | 52 hours per week                                                         | Ms. I. Anu Samuel           | Lab Instructor | B.Sc. Fashion Design           |
| 5.     | Computer Aided Fashion and Garment Design Laboratory      | 15                                     | <ul style="list-style-type: none"><li>• Tuka Software, Marvelous software, Gemini CAD</li></ul>                                              | 30 hours per week                                                         | Ms. Jerlin Jeba             | Lab Instructor | Diploma in Garment Technology  |
| 6.     | Textile Chemical Processing Laboratory                    | 15                                     | <ul style="list-style-type: none"><li>• HTHP dyeing machine, Padding mangle, Cheese dyeing machine, Water Baths</li></ul>                    | 32 hours per week                                                         | Mr. K.P.Kumar               | Lab Instructor | Diploma in Printing Technology |

## D2: Safety Measures in Laboratories

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

| S.N. | Name of the Laboratory                                    | Safety measures                                                                                                                                                                                                                                                                                                 |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Fabric Analysis and Textile Quality Evaluation Laboratory | Ensure calibration of all instruments before taking readings. <ul style="list-style-type: none"><li>• Always wear shoes to avoid electrical shocks.</li><li>• Follow the Standard Operating Procedures (SOP) provided in the laboratory manual.</li></ul>                                                       |
| 2    | Fashion Designing Laboratory                              | Use thick paper sheets for watercolour paints.<br>Handle sharp-edged paintbrushes carefully. <ul style="list-style-type: none"><li>• Wear shoes and a lab coat.</li><li>• Follow the SOP as per the laboratory manual.</li></ul>                                                                                |
| 3    | Pattern Making Laboratory                                 | Pins and needles must be stored in designated pearl-head pin folders. Handle measuring tools with care. <ul style="list-style-type: none"><li>• Wear shoes and a lab coat.</li><li>• Handle scissors and shears carefully.</li></ul>                                                                            |
| 4    | Textile Chemical Processing Laboratory                    | Do not touch, taste, or smell any reagents. Never inhale vapours directly from containers. Do not mix or use chemicals not specified in the experiment. <ul style="list-style-type: none"><li>• Wear shoes and a lab coat</li></ul>                                                                             |
| 5    | Garment Construction Laboratory                           | Ensure needle safety guards are in place. Dispose of broken pins and needles safely. Turn off the sewing machine before changing needles. Do not stretch power cords across the floor. <ul style="list-style-type: none"><li>• Wear shoes and a lab coat.</li><li>• Use ergonomically designed tools.</li></ul> |
| 6    | Computer Aided Fashion and Garment Design Laboratory      | <ul style="list-style-type: none"><li>• Wear shoes and a lab coat while working in the CAD laboratory to ensure personal safety.</li><li>• Do not install software or connect external storage devices (pen drives, hard disks, etc.) without the permission of the Lab In-charge.</li></ul>                    |

**D3: Project Laboratory/Research Laboratory****Table No. D3.1:** List of project laboratory/research laboratory /Centre of Excellence.**Project / Research Laboratories and Facilities**

| <b>S. No.</b> | <b>Name of the Laboratory</b>                           |
|---------------|---------------------------------------------------------|
| <b>1</b>      | Project Laboratory                                      |
| <b>2</b>      | Textile Chemical Processing Lab                         |
| <b>3</b>      | Garment Construction Laboratory                         |
| <b>4</b>      | Garment Quality Assurance Laboratory                    |
| <b>5</b>      | Fabric Analysis & Textile Quality Evaluation Laboratory |

**Centre of Excellence**

| <b>S. No.</b> | <b>Centre of Excellence</b>     |
|---------------|---------------------------------|
| 1             | Centre for Gemini CAD           |
| 2             | Centre for Sustainable Textiles |

**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=<br>No. of faculty members<br>((NS1*0.8) +(NS2*0.2))/(No. of required faculty (RF4));<br><br>Percentage=((NS1*0.8)+(NS2*0.2))/RF4 |
|------------------|-------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| CAY<br>2024-25   | 870                                       | 44                                   | 35                                                                                                                  | 57                                                          | 89.55                                                                                                                                        |
| CAYm1<br>2023-24 | 810                                       | 41                                   | 34                                                                                                                  | 70                                                          | 100                                                                                                                                          |
| CAYm2<br>2022-23 | 660                                       | 33                                   | 33                                                                                                                  | 32                                                          | 99.39                                                                                                                                        |

**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 CFY     | Actual Expenses in CFY | Budgeted in CFYm1   | Actual Expenses in CFYm1 | Budgeted in CFYm2   | Actual Expenses in CFYm2 | Budgeted in CFYm3   | Actual Expenses in CFYm3 |
|------------------------------------------|---------------------|------------------------|---------------------|--------------------------|---------------------|--------------------------|---------------------|--------------------------|
|                                          | 2024-25             | 2024-25                | 2023-24             | 2023-24                  | 2022-23             | 2022-23                  | 2021-22             | 2021-22                  |
| Infrastructure Built-Up                  | 3,60,00,000         | 3,59,25,689            | 5,60,00,000         | 5,61,63,123              | 1,90,00,000         | 1,87,29,613              | 2,00,00,000         | 2,01,08,831              |
| Library                                  | 20,00,000           | 19,36,280              | 35,00,000           | 34,85,117                | 19,00,000           | 18,84,910                | 13,50,000           | 13,08,569                |
| Laboratory equipment                     | 1,80,00,000         | 1,80,12,060            | 65,00,000           | 63,54,644                | 1,10,00,000         | 1,16,51,630              | 2,60,00,000         | 2,55,47,392              |
| Teaching and non-teaching staff salary   | 18,50,00,000        | 18,55,94,081           | 15,50,00,000        | 15,33,50,809             | 14,25,00,000        | 14,14,16,661             | 11,50,00,000        | 11,38,23,783             |
| Outreach Programs                        |                     |                        | 30,00,000           | 29,11,763                | 34,00,000           | 33,75,312                |                     |                          |
| R&D                                      | 50,00,000           | 50,94,808              | 35,00,000           | 34,38,811                | 14,50,000           | 14,59,483                | 23,00,000           | 22,68,788                |
| Training, Placement and Industry linkage | 2,60,00,000         | 2,61,18,718            | 1,80,00,000         | 1,85,83,528              | 80,00,000           | 80,14,359                | 55,00,000           | 54,14,957                |
| SDGs                                     | 11,00,000           | 11,00,000              | 9,00,000            | 8,80,000                 | 8,00,000            | 7,74,000                 |                     |                          |
| Entrepreneurship                         | 10,00,000           | 9,97,948               | 8,00,000            | 7,62,000                 | 4,00,000            | 3,75,000                 |                     |                          |
| Others, specify#                         | 19,20,00,000        | 19,08,88,840           | 17,25,00,000        | 17,14,52,268             | 11,75,00,000        | 11,65,36,563             | 10,50,00,000        | 10,57,75,896             |
| <b>Total amount</b>                      | <b>46,61,00,000</b> | <b>46,56,68,424</b>    | <b>41,97,00,000</b> | <b>41,73,82,063</b>      | <b>30,59,50,000</b> | <b>30,42,17,531</b>      | <b>27,51,50,000</b> | <b>27,42,48,216</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 CFY  | Actual Expenses in CFY | Budgeted in CFYm1 | Actual Expenses in CFYm1 | Budgeted in CFYm2 | Actual Expenses in CFYm2 | Budgeted in CFYm3 | Actual Expenses in CFYm3 |
|--------------------------------------------------|------------------|------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|
|                                                  | 2024-25          | 2024-25                | 2023-24           | 2023-24                  | 2022-23           | 2022-23                  | 2021-22           | 2021-22                  |
| Laboratory equipment                             | 14,00,000        | 14,05,000              |                   |                          |                   |                          |                   |                          |
| Software                                         | 2,00,000         | 2,10,820               | 2,75,000          | 2,75,320                 | 90000             | 90000                    | 90000             | 90000                    |
| SDGs                                             | 78,571           | 78,571                 | 64,285            | 62,857                   | 57,143            | 55,286                   |                   |                          |
| Support for faculty development                  | 78,000           | 82,000                 | 75,000            | 80,000                   | 70,000            | 67,500                   |                   |                          |
| R & D                                            | 3,50,000         | 3,63,915               | 9,00,000          | 8,50,000                 | 4,20,000          | 4,00,000                 | 2,40,000          | 2,50,000                 |
| Industrial Training, Industry expert, Internship | 200000           | 1,92,500               | 2,00,000          | 1,85,150                 | 50,000            | 42,500                   | 50,000            | 40,000                   |
| Miscellaneous expenses *                         | 3814286          | 37,89,307              | 18,58,810         | 18,55,227                | 176905            | 172112                   | 62500             | 54797                    |
| <b>Total amount</b>                              | <b>61,20,857</b> | <b>61,22,113</b>       | <b>33,73,095</b>  | <b>33,08,554</b>         | <b>8,64,048</b>   | <b>8,27,397</b>          | <b>4,42,500</b>   | <b>4,34,797</b>          |

