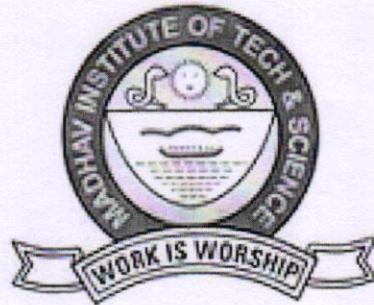


# **Annual Report (2018-19)**

**of**

# **Examination (For All programs)**



**Mission to Innovate Technology for Society**

**Madhav Institute of Technology & Science  
Race Course Road, Gole Ka Mandir  
Gwalior, Madhya Pradesh 474005**



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## 1. Introduction

The institute is gradually progressing towards implementation of Flexible Curriculum/ Choice Based Credit System in all UG programs and various guidelines for exam pattern, evaluation criteria and credit transfer were approved through BoS and Academic Council meetings for Department Elective and Open Category courses. The criteria for the award of B. Tech Honors and Minor Specialization degree was also approved. On the basis of these guidelines it was resolved that up to 34 Credits out of total 170 for Engineering/Technology students & 52 credits out of total 260 credits for B. Architecture students can be earned through SWAYAM /NPTEL / MOOC platform based learning for the award of UG degree in Engineering/Technology & Architecture respectively (without Honours / Minor Specialization).

Moreover, to obtain “**Honours or Minor Specialization**”, 20 Credits additionally can be completed through SWAYAM /NPTEL / MOOC platform based learning. In this manner, **students aspiring for minor specialization or Honours during the tenure of B. Tech programme can opt for a total of 54 (34+20) Credits** and the students of the B. Architecture programme **can earn up to 72 (52+20)credits through SWAYAM /NPTEL / MOOC platform based learning.**

**The examination Section updated the Examination Control System (ECS) as per the approved guidelines of the Academic Cell of the Institute for :**

- a) Preparation of result of departmental/open elective courses.
- b) Methodology of **credit transfer through MOOCs / NPTEL** and other approved on-line courses
- c) Awarding “**Honours**” to students who complete 20 additional credits from their own parent department/programme
- d) Awarding “**Minor Specialization**” to students who complete 20 additional credits from other department/programme
- e) Awarding marks for the 01 credit “**Professional Development**” course in VIII semester
- f) Awarding module wise marks for In house Summer Internship program-II

**2. Academic Calendar (2018-19) :** The academic calendar of the institute for all UG and PG program is prepared on 23.04.2018 by the Dean, Academics by consulting with the Director and offered to all stakeholders of the departments one month before the commencement of the semester. Two separate academic calendars for Odd semester (Jul-Dec 18 session) and Even semester (Jan-June 19 session) were prepared by the institute having timelines for following exam related activities:

- A. I, II, and III mid sem exams
- B. Exam form filling
- C. Commencement of exam
- D. Declaration of result
- E. Commencement of new semester

## 3. Conduct of Exam Activities

| Programme Name | Semester/Year | Last date of the last semester-end/ year-end examination | Date of declaration of results of the semester-end/ year-end examination |
|----------------|---------------|--|--|
|                |               |  |  |

|   |      |            |            |
|---|------|------------|------------|
| B.Tech. in Automobile Engineering (AU)                      | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Biotechnology (BT)                               | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Chemical Engineering (CM)                        | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Civil Engineering (CE)                           | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Computer Science Engineering (CS)                | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Electrical Engineering (EE)                      | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Electronics Engineering (EC)                     | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Electronics & Telecommunication Engineering (ET) | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Information Technology (IT)                      | VIII | 01-05-2019 | 28-05-2019 |
| B.Tech. in Mechanical Engineering (ME)                      | VIII | 01-05-2019 | 28-05-2019 |

#### 4. Initiatives Taken for Exam Reforms based on the latest (2018-19) guidelines issued by the All India Council for Technical Education

1. Conduction of Internal Vivas, checking of student laboratory files and **Time-Tables were displayed for internal viva at the department level**.
2. Guidelines for evaluating the VIII semester course “Professional Development” (01 credit course).

Following guidelines and evaluation criteria have been approved for evaluating the course “Professional Development”.

| PERFORMANCE METRICS   |  |   |
|-----------------------|--|---|
| Categories            | Suggestive Activities  | Marks Assigned                                      |
| Institute Level* (C1) | Participation in <b>Institute level</b> technical events such as quizzes, extemporary, debate, student volunteers, seminar, professional society local chapters (IET,IEEE,ISTE,IETE),NCC, etc.   | <b>02 Marks</b> for each participation (maximum 06) |
| State Level* (C2)     | Participation in <b>State level</b> technical events such as Robotics, Coding challenge, Cultural cum technical fest, technical symposium, volunteers, hackathon, sports etc.  | <b>03 marks</b> for each participation (Maximum 09) |
| National level* (C3)  | Participate in <b>National level</b> events such as hands on workshop, national level seminar, national conference, Entrepreneurship, model making, techno culture fest, national youth festival, research conclave, project competition, volunteers, sports festival etc. | <b>05 marks</b> for each participation (Maximum 15) |
| MOOC's** (C4)         | Successfully completed technical <b>certification course in any MOOC's</b> platform such as (NPTEL/SWAYAM/EdX/Coursera/Class Central etc)  | <b>10 marks</b> for each course (Maximum 20)        |
| Evaluation            |  |   |
| Formula               |  | Marks Scored  |

3. A workshop was conducted for preparing “**template of question paper pattern**” and to finalize the most suitable template conforming to the recent guidelines issued by AICTE and inclusive of following exam reform recommendations

4. **Two-step process for bringing clarity to Programme Outcomes (POs):** Formulating competencies and performance indicators from POs which can be used to clearly set assessment goals that are synchronised with outcome based Education.

5. Guidelines and sample papers for using **Bloom’s taxonomy to design the assessment** that will demonstrate the achievement of higher order thinking skills.

6. Using **different assessment methods to assess higher order and professional skills** like course project, open –ended experiments in labs, project based learning modules, MOOCs, Co-curricular experiences, Mini/Minor projects, final year projects, internship experiences, E-portfolio of student works.

7. Using **rubrics as assessment tools** for measuring outcomes.

8. Questions were mapped with Bloom’s Levels, Course Outcomes (CO), Programme Outcome (PO)

#### 9. **Evaluation of Summer Internship Programmes (SIP-I & SIP-II)**

*[Internship is compulsory as per AICTE mandate and it is conducted and assessed/evaluated in-house during the summer vacations for batches admitted under flexible curriculum from 2017-18 onwards. However, its evaluation is reflected as follows in year 2018-19:*

| S.No. | Course   | *Minimum Hours | Year (in which Internship to be offered) | Evaluation                |
|-------|--|----------------|--|---------------------------|
| 1.    | Summer Internship Project-I (Institute Level)    | 60 Hours       | First Year                               | III Semester (02 Credits) |
| 2.    | Summer Internship Project-II (Soft Skills)       | 90 Hours       | Second Year                              | V Semester (03 Credits)   |
| 3.    | Summer Internship Project -III (On Job Training) | 150 Hours      | Third Year                               | VII Semester (02 Credits) |

In case, a student fails to appear (due to valid cause) / acquire minimum score, the Head of Concerning Department may schedule the re-conduction of internship program for such students and the same will be monitored and reviewed by the Dean Student Welfare.

## 5. Automation and IT integration for Examination

1. The procurement of examination server was initiated. The institute ERP system started in parallel to the existing Information management System (IMS) first on trial basis. After ensuring that the performance is satisfactory, the institute ERP has started.

The Institute MOODLE is working very effectively and is being used for monitoring 10 different routine academic and the report

|                                      |                |
|--------------------------------------|----------------|
| Quiz submission                      | MOODLE         |
| Assignment submission and Evaluation | MOODLE         |
| Availability of Question Banks       | MOODLE         |
| Availability of Model Answer Script  | MOODLE         |
| Exam Form submission                 | IMS/ECS Online |
| Availability of End Term Admit Card  | IMS/ECS Online |

|  |  |
|--|--|
| Preparation of Seating Plan  | IMS/ECS Online   |
| Result Preparation   | IMS/ECS Online   |
| Displaying of result   | IMS/ECS Online   |
| Applying for Revaluation   | IMS/ECS Online   |
| Question Paper Feedback (No. 295)  | MOODLE   |
| Course Outcome Feedback  | MOODLE   |
| Uploading of Question paper solution   | MOODLE   |
| Automation of activities related to End Sem Exam Activities through ECS server | <ol style="list-style-type: none"> <li>1. Exam form forwarding by the HoD</li> <li>2. Filling of exam form</li> <li>3. Issuing of exam admit card to students</li> <li>4. Preparation of Seating plan for exam</li> <li>5. Marks filling of assignment/quiz and mid sem exam of theory and practical course by the course faculty</li> <li>6. Porting of end sem exam marks of theory courses on IMS after compiling marks through reading bar code of OMR sheet of answer books</li> <li>7. Result preparation</li> <li>8. Tabulation Report generation</li> <li>9. Declaration of result to students</li> <li>10. Applying and declaration of result of revaluation and retotaling.</li> </ol> |

2. Digital submission (on CD) of B.E/M.E./M.Tech./dissertation **project reports / dissertation in soft copy (pdf file with scanned copy of candidate declaration and other required certificates)** and conduction of only M.E./M.Tech examination through Online platform. **It is also decided to make the partial detail (title, abstract, keywords) public on the institute website. An abstract in Hindi, consisting of about 250 words will be written at the beginning.**

## 6. Evaluation

The Onscreen valuation was carried out from Dec 2018 session. The Digitization of valuation enabled automated digital evaluation for reliable and timely results, and real-time monitoring for superior control over the marking process. After an examination, the paper-based answer scripts are sent to a scanning set up of OSM system provided by We shine Tech. Here the candidate details are masked, and bar-codes are assigned for tracking. The answer scripts are then scanned, digitized, encrypted, and stored in secure data centres. This helps to avoid tampering, misuse, fraudulent use and reduces the chance of bias-based evaluation.

The encrypted answer scripts are distributed electronically, enabling examiners to mark on-screen, and include comments and annotations as they would in traditional marking. The digital evaluation system's internal messaging system improves collaboration and coordination.

| Session                      | Dec 2018     | June 2019    |
|------------------------------|--------------|--------------|
| No.of Answer Books Evaluated | <b>21332</b> | <b>22370</b> |

|   |            |            |
|---|------------|------------|
| No. of faculty members involved in evaluation | <b>196</b> | <b>171</b> |
|---|------------|------------|

## 7. Summary Of Question Papers Set For Session 2018-19 (REGULAR)

| S.No. | Description                                  | December Session (Odd Semester) | June Session (Even Semester) |
|-------|--|---------------------------------|------------------------------|
| 1     | Number of Question Papers Allocated          | 556                             | 551                          |
| 2     | Number of Faculty Members Participated       | 123                             | 116                          |
| 3     | Total Number of Question Papers Generated    | 551                             | 455                          |
| 4     | Category Wise Question Papers :              | 551                             | 455                          |
| 5     | Number of Question Papers Set Externally     | 60                              | 55                           |
| 6     | Percentage of Question Papers Set Externally | 11%                             | 12%                          |
| 7     | Number of External Paper Setters             | 40                              | 38                           |

## 8. Result Analysis

### Odd Semester (Dec, 2018)

| S.No | Branch Name | Semester | No. Of students registered | No. Of students passed | Pass % | No. of Students With Over All Grade |    |    |    |    |    |    |
|------|-------------|----------|----------------------------|------------------------|--------|-------------------------------------|----|----|----|----|----|----|
|      |             |          |                            |                        |        | A+                                  | A  | B+ | B  | C+ | C  | D  |
| 1.   | CE          | I        | 121                        | 77                     | 63     | 00                                  | 12 | 16 | 24 | 24 | 01 | 00 |
|      |             | III      | 137                        | 106                    | 77     | 03                                  | 15 | 38 | 35 | 15 | 00 | 00 |
|      |             | V        | 134                        | 113                    | 84     | 00                                  | 13 | 16 | 42 | 36 | 06 | 00 |
|      |             | VII      | 132                        | 118                    | 89     | 02                                  | 09 | 30 | 65 | 12 | 00 | 00 |
| 2.   | ME          | I        | 127                        | 94                     | 74     | 00                                  | 02 | 26 | 41 | 25 | 00 | 00 |
|      |             | III      | 135                        | 109                    | 80     | 00                                  | 07 | 28 | 44 | 29 | 01 | 00 |
|      |             | V        | 132                        | 112                    | 84     | 00                                  | 11 | 45 | 30 | 22 | 04 | 00 |
|      |             | VII      | 132                        | 124                    | 93     | 00                                  | 08 | 57 | 47 | 12 | 00 | 00 |
| 3.   | AU          | I        | 54                         | 29                     | 53     | 00                                  | 01 | 08 | 10 | 10 | 00 | 00 |
|      |             | III      | 56                         | 33                     | 58     | 00                                  | 01 | 05 | 21 | 06 | 00 | 00 |
|      |             | V        | 64                         | 52                     | 81     | 00                                  | 03 | 13 | 18 | 17 | 01 | 00 |
|      |             | VII      | 52                         | 44                     | 84     | 00                                  | 00 | 14 | 27 | 03 | 00 | 00 |
| 4.   | EE          | I        | 129                        | 101                    | 78     | 00                                  | 24 | 30 | 38 | 08 | 01 | 00 |

|     |        |     |     |     |     |    |    |    |     |    |    |    |
|-----|--------|-----|-----|-----|-----|----|----|----|-----|----|----|----|
|     |        | III | 136 | 102 | 75  | 00 | 13 | 35 | 40  | 14 | 00 | 00 |
|     |        | V   | 146 | 134 | 91  | 00 | 30 | 71 | 32  | 01 | 00 | 00 |
|     |        | VII | 121 | 117 | 96  | 00 | 17 | 69 | 30  | 01 | 00 | 00 |
| 5.  | EC     | I   | 122 | 111 | 90  | 01 | 24 | 52 | 29  | 05 | 00 | 00 |
|     |        | III | 128 | 98  | 76  | 03 | 15 | 27 | 32  | 21 | 00 | 00 |
|     |        | V   | 137 | 122 | 89  | 01 | 27 | 45 | 38  | 11 | 00 | 00 |
|     |        | VII | 116 | 103 | 88  | 03 | 25 | 40 | 31  | 04 | 00 | 00 |
| 6.  | ET     | I   | 62  | 55  | 88  | 00 | 04 | 20 | 21  | 10 | 00 | 00 |
|     |        | III | 60  | 47  | 78  | 00 | 04 | 12 | 20  | 11 | 00 | 00 |
|     |        | V   | 44  | 34  | 77  | 00 | 07 | 16 | 10  | 01 | 00 | 00 |
| -   | -      | -   | 55  | 53  | 96  | 00 | 08 | 23 | 27  | 05 | 00 | 00 |
| 7.  | CSE    | I   | 123 | 112 | 91  | 01 | 19 | 43 | 36  | 13 | 00 | 00 |
|     |        | III | 143 | 124 | 86  | 04 | 25 | 42 | 36  | 17 | 00 | 00 |
|     |        | V   | 144 | 125 | 86  | 00 | 19 | 54 | 40  | 11 | 01 | 00 |
|     |        | VII | 129 | 124 | 96  | 00 | 25 | 63 | 32  | 04 | 00 | 00 |
| 8.  | IT     | I   | 63  | 55  | 87  | 00 | 11 | 22 | 18  | 04 | 00 | 00 |
|     |        | III | 67  | 58  | 86  | 02 | 12 | 16 | 19  | 09 | 00 | 00 |
|     |        | V   | 69  | 60  | 86  | 00 | 03 | 30 | 21  | 06 | 00 | 00 |
|     |        | VII | 64  | 62  | 96  | 00 | 10 | 36 | 15  | 01 | 00 | 00 |
| 9.  | CM     | I   | 53  | 39  | 73  | 00 | 00 | 06 | 17  | 16 | 00 | 00 |
|     |        | III | 53  | 38  | 71  | 01 | 07 | 04 | 16  | 10 | 00 | 00 |
|     |        | V   | 54  | 44  | 81  | 00 | 02 | 11 | 19  | 17 | 00 | 00 |
|     |        | VII | 50  | 47  | 94  | 00 | 03 | 21 | 212 | 02 | 00 | 00 |
| 10. | BT     | I   | 09  | 06  | 66  | 00 | 00 | 01 | 01  | 04 | 00 | 00 |
|     |        | III | 04  | 04  | 100 | 00 | 00 | 02 | 01  | 01 | 00 | 00 |
|     |        | V   | 09  | 09  | 100 | 00 | 02 | 05 | 02  | 00 | 00 | 00 |
|     |        | VII | 06  | 06  | 100 | 00 | 01 | 02 | 03  | 00 | 00 | 00 |
| 11. | B Arch | I   | 37  | 30  | 81  | 00 | 08 | 19 | 03  | 00 | 00 | 00 |
|     |        | III | 41  | 39  | 95  | 00 | 09 | 20 | 09  | 01 | 00 | 00 |
|     |        | V   | 40  | 39  | 97  | 00 | 18 | 18 | 03  | 00 | 00 | 00 |
|     |        | VII | 29  | 29  | 100 | 01 | 10 | 15 | 03  | 00 | 00 | 00 |
|     |        | IX  | 40  | 40  | 100 | 00 | 29 | 07 | 04  | 00 | 00 | 00 |
| 12. | ME.    | I   | 38  | 32  | 90  | 00 | 04 | 22 | 06  | 00 | 00 | 00 |
|     |        | III | 50  | 44  | 92  | 00 | 12 | 31 | 01  | 00 | 00 | 00 |
| 13. | M.Tech | I   | 40  | 36  | 91  | 00 | 04 | 21 | 10  | 01 | 00 | 00 |
|     |        | III | 65  | 64  | 97  | 00 | 22 | 36 | 06  | 00 | 00 | 00 |
| 14. | MUP    | I   | 18  | 17  | 94  | 01 | 07 | 07 | 02  | 00 | 00 | 00 |
|     |        | III | 15  | 13  | 86  | 01 | 06 | 03 | 03  | 00 | 00 | 00 |
| 15. | MCA    | I   | 26  | 17  | 65  | 00 | 01 | 09 | 07  | 00 | 00 | 00 |
|     |        | III | 65  | 56  | 86  | 00 | 04 | 30 | 19  | 03 | 00 | 00 |
|     |        | V   | 61  | 56  | 91  | 01 | 07 | 27 | 21  | 00 | 00 | 00 |

### Even Semester (June 2019)

| S.No | Branch Name | Semester | No. Of students registered | No. Of students passed | Pass % | No. of Students With Over All Grade |
|------|-------------|----------|----------------------------|------------------------|--------|-------------------------------------|
|------|-------------|----------|----------------------------|------------------------|--------|-------------------------------------|

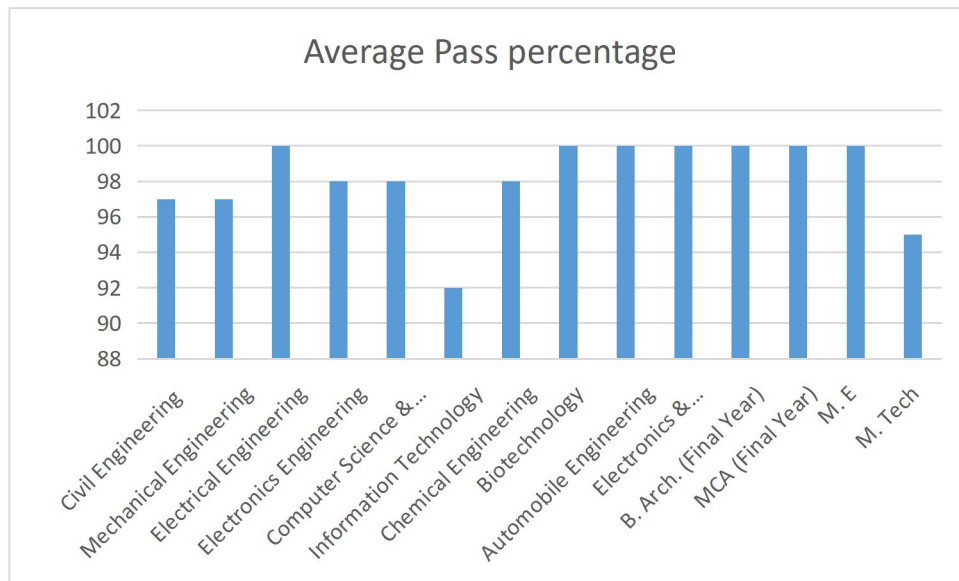


|     |         |      |     |     |     | A+ | A  | B+ | B  | C+ | C  | D  |
|-----|---------|------|-----|-----|-----|----|----|----|----|----|----|----|
| 1.  | CE      | II   | 118 | 89  | 75  | 00 | 17 | 17 | 34 | 21 | 00 | 00 |
|     |         | IV   | 141 | 103 | 73  | 03 | 14 | 27 | 31 | 26 | 02 | 00 |
|     |         | VI   | 137 | 122 | 89  | 03 | 13 | 41 | 54 | 11 | 00 | 00 |
|     |         | VIII | 136 | 132 | 97  | 01 | 22 | 84 | 24 | 01 | 00 | 00 |
| 2.  | ME      | II   | 125 | 109 | 87  | 01 | 17 | 45 | 35 | 11 | 00 | 00 |
|     |         | IV   | 136 | 103 | 75  | 00 | 04 | 24 | 41 | 30 | 04 | 00 |
|     |         | VI   | 137 | 123 | 89  | 00 | 18 | 45 | 32 | 28 | 00 | 00 |
|     |         | VIII | 133 | 130 | 97  | 00 | 42 | 73 | 15 | 00 | 00 | 00 |
| 3.  | AU      | II   | 54  | 42  | 77  | 00 | 04 | 14 | 08 | 16 | 00 | 00 |
|     |         | IV   | 55  | 34  | 61  | 00 | 02 | 03 | 18 | 11 | 00 | 00 |
|     |         | VI   | 64  | 50  | 78  | 00 | 04 | 15 | 23 | 08 | 00 | 00 |
|     |         | VIII | 58  | 58  | 100 | 00 | 18 | 32 | 08 | 00 | 00 | 00 |
| 4.  | EE      | II   | 129 | 109 | 84  | 01 | 23 | 36 | 44 | 05 | 00 | 00 |
|     |         | IV   | 137 | 109 | 79  | 01 | 16 | 31 | 36 | 22 | 03 | 00 |
|     |         | VI   | 144 | 118 | 81  | 00 | 29 | 51 | 33 | 05 | 00 | 00 |
|     |         | VIII | 124 | 124 | 100 | 00 | 56 | 58 | 10 | 00 | 00 | 00 |
| 5.  | EC      | II   | 121 | 112 | 92  | 00 | 20 | 34 | 35 | 18 | 05 | 00 |
|     |         | IV   | 131 | 115 | 87  | 02 | 18 | 41 | 30 | 20 | 04 | 00 |
|     |         | VI   | 140 | 123 | 87  | 00 | 14 | 52 | 41 | 16 | 00 | 00 |
|     |         | VIII | 123 | 121 | 98  | 04 | 35 | 61 | 20 | 01 | 00 | 00 |
| 6.  | ET      | II   | 62  | 54  | 87  | 00 | 01 | 20 | 19 | 13 | 01 | 00 |
|     |         | IV   | 62  | 53  | 85  | 00 | 05 | 17 | 26 | 05 | 00 | 00 |
|     |         | VI   | 47  | 35  | 74  | 00 | 05 | 18 | 09 | 02 | 01 | 00 |
|     |         | VIII | 57  | 57  | 100 | 00 | 16 | 33 | 08 | 00 | 00 | 00 |
| 7.  | CSE     | II   | 119 | 104 | 87  | 01 | 11 | 36 | 35 | 18 | 03 | 00 |
|     |         | IV   | 146 | 133 | 91  | 00 | 17 | 50 | 48 | 18 | 00 | 00 |
|     |         | VI   | 149 | 140 | 93  | 01 | 23 | 63 | 37 | 16 | 00 | 00 |
|     |         | VIII | 130 | 128 | 98  | 01 | 39 | 56 | 30 | 02 | 00 | 00 |
| 8.  | IT      | II   | 62  | 55  | 88  | 00 | 09 | 18 | 16 | 10 | 02 | 00 |
|     |         | IV   | 69  | 63  | 91  | 00 | 13 | 25 | 18 | 07 | 00 | 00 |
|     |         | VI   | 70  | 65  | 92  | 00 | 06 | 33 | 22 | 04 | 00 | 00 |
|     |         | VIII | 66  | 61  | 92  | 01 | 21 | 30 | 08 | 01 | 00 | 00 |
| 9.  | CM      | II   | 52  | 46  | 88  | 00 | 01 | 09 | 23 | 13 | 00 | 00 |
|     |         | IV   | 52  | 44  | 84  | 00 | 03 | 08 | 09 | 19 | 05 | 00 |
|     |         | VI   | 53  | 51  | 96  | 00 | 07 | 23 | 07 | 13 | 01 | 00 |
|     |         | VIII | 53  | 52  | 98  | 00 | 20 | 27 | 04 | 01 | 00 | 00 |
| 10. | BT      | II   | 09  | 06  | 66  | 00 | 02 | 01 | 02 | 01 | 00 | 00 |
|     |         | IV   | 04  | 04  | 100 | 00 | 00 | 02 | 00 | 02 | 00 | 00 |
|     |         | VI   | 09  | 09  | 100 | 00 | 01 | 05 | 03 | 00 | 00 | 00 |
|     |         | VIII | 07  | 07  | 100 | 00 | 02 | 05 | 00 | 00 | 00 | 00 |
| 11. | B. Arch | II   | 36  | 35  | 97  | 00 | 07 | 25 | 03 | 00 | 00 | 00 |
|     |         | IV   | 41  | 35  | 85  | 00 | 10 | 21 | 03 | 01 | 00 | 00 |
|     |         | VI   | 40  | 39  | 97  | 00 | 15 | 23 | 00 | 01 | 00 | 00 |
|     |         | VIII | 29  | 29  | 100 | 00 | 13 | 10 | 05 | 01 | 00 | 00 |
|     |         | X    | 40  | 40  | 100 | 00 | 03 | 30 | 07 | 00 | 00 | 00 |
| 12. | ME      | II   | 36  | 34  | 90  | 00 | 15 | 18 | 01 | 00 | 00 | 00 |
|     |         | IV   | 21  | 21  | 100 | 00 | 15 | 05 | 01 | 00 | 00 | 00 |

|     |         |    |    |    |     |    |    |    |    |    |    |    |
|-----|---------|----|----|----|-----|----|----|----|----|----|----|----|
| 13. | M. Tech | II | 39 | 36 | 92  | 00 | 08 | 20 | 07 | 01 | 00 | 00 |
|     |         | IV | 40 | 38 | 95  | 02 | 17 | 18 | 01 | 00 | 00 | 00 |
| 14. | MUP     | II | 15 | 15 | 100 | 00 | 05 | 06 | 04 | 00 | 00 | 00 |
|     |         | IV | 14 | 14 | 100 | 00 | 00 | 06 | 07 | 01 | 00 | 00 |
| 15. | MCA     | II | 25 | 22 | 88  | 00 | 01 | 10 | 11 | 00 | 00 | 00 |
|     |         | IV | 64 | 53 | 82  | 00 | 03 | 21 | 20 | 09 | 00 | 00 |
|     |         | VI | 61 | 61 | 100 | 02 | 42 | 16 | 01 | 00 | 00 | 00 |

## 9. Average Pass Percentage of Passing Out Batch

| Programme Code               | Programme Name   | Number of students appeared in the final year examination | Number of students passed in final Semester /year examination | Pass % |
|------------------------------|--|---|---|--------|
| <b>B.E. (Final Year)</b>     | Civil Engineering  | 136   | 132   | 97     |
|                              | Mechanical Engineering   | 133   | 130   | 97     |
|                              | Electrical Engineering   | 124   | 124   | 100    |
|                              | Electronics Engineering  | 123   | 121   | 98     |
|                              | Computer Science & Engineering   | 130   | 128   | 98     |
|                              | Information Technology   | 66  | 61  | 92     |
|                              | Chemical Engineering   | 53  | 52  | 98     |
|                              | Biotechnology  | 7   | 7   | 100    |
|                              | Automobile Engineering   | 58  | 58  | 100    |
|                              | Electronics & Telecommunication Engineering  | 57  | 57  | 100    |
| <b>B. Arch. (Final Year)</b> | Architecture   | 40  | 40  | 100    |
| <b>MCA (Final Year)</b>      | Master in Computer Application   | 61  | 61  | 100    |
| <b>M.E. (Final Year)</b>     | Construction Technology & Management<br>Construction Technology & Management (PT)<br>Structural Engineering<br>Communication Control & Networking<br>Industrial Systems & Drives<br>Measurement and Control<br>Material Handling | 21  | 21  | 100    |
| <b>M.Tech. (Final Year)</b>  | Environmental Engineering<br>Cyber Security<br>Computer Science & Engineering<br>Information Technology<br>Microwave Engineering<br>Production Engineering<br>Biotechnology  | 40  | 38  | 95     |



## 10. Grievances reported by students regarding evaluation process (2018-19)

| No. Of students appeared in exam | No. of grievances reported | % of grievances |
|----------------------------------|----------------------------|-----------------|
| 4292                             | 43                         | 1.0%            |