# K.S.R.M COLLEGE OF ENGINEERING

## (AUTONOMOUS)

## INDEX

## ACTION TAKEN REPORT

## A.Y 2019-20

| S.NO | PROGRAMME NAME |
|------|----------------|
| 1 | **Department of Civil Engineering** |
| 2 | **Department of Electrical & Electronics Engineering** |
| 3 | **Department of Mechanical Engineering** |
| 4 | **Department of Electronics and Communication Engineering** |
| 5 | **Department of Computer Science and Engineering** |

# K.S.R.M. COLLEGE OF ENGINEERING

## UGC-AUTONOMOUS

## ACTION TAKEN REPORT ON CURRICULUM

## A.Y.2019-20

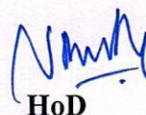## DEPARTMENT OF CIVIL ENGINEERING

# INTRODUCTION

Every year in the starting of the Semester the feedback committee of KSRMCE collects the feedback from all the stakeholders on the previous regulations of the institute for upgrading the syllabus to meet the local / regional / global needs.

## Students Feedback and Action Taken Report

Based on received feedback from the students a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

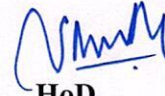| S.No | Consolidated feed back | Action Taken |
|------|------------------------|--------------|
| 1 | Students have given feedback at the levels from excellent to good on depth of course content, extent of coverage of course, applicability and relevance to real life situations, learning values, clarity and relevance of textual reading material, relevance of additional source material, extent of effort required by students and overall rating. | The facility of learning resources was improved in library; information on research based knowledge is provided in library; awareness on available internet sources is created among students. |
| 2 | The inclusion of skill courses, certificate courses or value-added courses in the curriculum was requested by the students. | It has been decided to conduct practical training sessions, workshops on soft skills related to core, guest lectures by well-known figures in core industry, industrial outings and socially important initiatives. |

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# Parents Feedback and Action Taken Report

Based on received feedback from the parents a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

| S.No | Consolidated feedback | Action Taken |
|------|----------------------|--------------|
| 1 | Parents advised to exercise on student placements in the core side. | It has been determined to undertake additional training programs, workshops, and hands-on training sessions on the most recent themes and practices that are dominating in the core industry starting in the following academic year. This will increase students' ability to handle current workplace issues and embrace new technologies. |
| 2 | Most parents have proposed to take the students to field trips for better understanding of the reality. | It has been determined to arrange and schedule field trips for students in the following academic years regularly. |

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## Employer Feedback and Action Taken Report

Based on received feedback from the employers a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

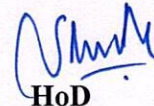| S. No | Consolidated feedback | Action Taken |
|-------|----------------------|--------------|
| 1. | The employers have suggested to offer courses related to latest software in civil engineering. | Additional training sessions will be offered to students in order to strengthen their capacity to handle modern workplace difficulties and adopt new technology. |
| 2. | Courses related to building information system are to be included in the curriculum. | The further regulations will be designed with the courses related to building information system and additional courses related to building information system will be offered as value added/skill courses. |

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## Alumni Feedback and Action Taken Report

Based on received feedback from the Alumnus a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

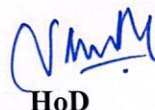| S. No | Consolidated feedback | Action Taken |
|-------|----------------------|--------------|
| 1. | Alumni have recommended adding value-added courses, diploma programs, or skill-building programs to the curriculum to help students better adapt to the demands of the modern workforce. | To enhance students' practical understanding, it has been determined to conduct extra training programs, workshops, hands-on training sessions, and advanced courses that cover industrial requirements within the curriculum. |

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# Faculty Feedback and Action Taken Report

Based on received feedback from the faculty a consolidated analysis statement is preparedand appropriate actions are taken which are notified in the following table.

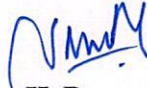| S.No | Consolidated feedback | Action Taken |
|------|----------------------|--------------|
| 1 | Elective course system should be implemented for student choice based education. | Number of courses relevant to different domains of civil engineering will be offered through elective course system. |
| 2 | Other branch courses especially computer science courses has to be offered to interested students. | The future regulations will be changed to offer courses of other branches through open elective system and through minor degree program. |

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## CONCLUSION

The feedback given by the stakeholders was analyzed and suitable action was taken to satisfy the expectations of students, parents, alumni, teacher and employers/industry experts. This further helped to improve the curriculum as per the expectations of the stakeholders.

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# K.S.R.M. COLLEGE OF ENGINEERING

## UGC-AUTONOMOUS

## ACTION TAKEN REPORT ON CURRICULUM

## A.Y.2019-20

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

# Introduction

The institution collects feedback on curriculum aspects and courses from different stakeholders such as students, parents, alumni, facultyand employers. After analysing the collected feedback by considering valuable suggestions given by stakeholders, necessary actions were executed.

## Students Feedback and Action Taken Report

Based on the Students feedback, appropriate changes were made as is notified in the following table.

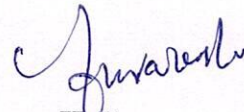| S. No. | Feedback | Action Taken |
|---|---|---|
| 1 | Students requested for guidance that helps them in placements | Campus Recruitment Training is continued. Training is enhanced by including suggestions of industry experts and expectations of employers. |
| 2 | Few students asked for revision on software courses and few opted for revision of core courses | Basics and key concepts of Programming languages learnt by students are revised. Basic concepts of core courses that carries more weightage in placements and competitive exams are revised. |
| 3 | Students expressed their satisfaction regarding the efforts to enhance their skills | For increasing effective inputs to the students, more skill development programs are conducted to improve technical knowledge of students. |

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Electronics Engineering
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# Parents Feedback and Action Taken Report

The feedback from parents and in response the action taken is shown in the following table

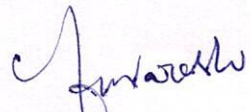| S. No | Feedback | Action Taken |
|---|---|---|
| 1 | Parents asked clarification on Counselling done | Regular Counselling is done for students by Mentors focusing on their Mentee student's personality development and academic excellence. |
| 2 | Parents requested for more placements | More focus was laid on placements by contacting core companies and software-based recruiters. |
| 3 | Few parents enquired about the process of tracking of student's performance | Continuous evaluation of student's academics is done. Student performance information to parents is informed in regular intervals. |

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# Alumni Feedbackand Action Taken Report

The alumni appreciated the design of curriculum and suggested to give more prominence to research activitiesand skill training program and the action taken report were given in table below.
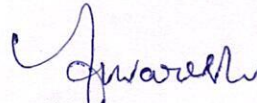
| S. No | Feedback | Action Taken |
|---|---|---|
| 1 | Alumni enquired about library facilities provided to students | Digital library with online learning resources is provided. Library hours are extended to provide access for students |
| 2 | Alumni suggested for projects to be done with a focus on showcasing the technical knowledge gained by students | Projects done by students are categorised as prototype and simulation type depending upon interest of students. More focus was laid on projects that result in application of course content learnt by students towards societal applications. |

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# Employer Feedback and Action Taken Report

The responses of the recruiters who visited the campus and the action taken were given below.

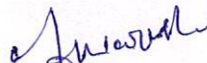| S. No | Feedback | Action Taken |
|---|---|---|
| 1 | Employers suggested to create awareness on placements. | In campus recruitment training provided to students, regular focus is laid on recruitment process. Mock interviews, are conducted. |
| 2 | More focus is required on soft skills | Soft skills are improved in students through different activities and different measures are taken to improve communication skills of students |
| 3 | Students are to be aware of latest softwarerequirements and trends in core relatedconcepts | Keeping in view of current trends of software requirements different workshops, guest lectures and training programmes are organized to introduce latest software's and advance topics relevant to Electrical and Electronics Engineering domain. |

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# Faculty Feedback and Action Taken Report

Feedback of faculty is very informative to better the existing situation. It is based on the feedback listed action were taken as reported in the table below.

| S. No | Feedback | Action Taken |
|---|---|---|
| 1 | Teaching methods are to be enhanced | Different Modernteaching methodologies are introduced for students ICT tools are used by faculty to provide an interactive and technology-based learning atmosphere to the students. |
| 2 | Students must be aware other topics in addition to domain relevant courses | Courses are designed in curriculum in such a manner that students have knowledge on topics related to multidisciplinary domains |
| 3 | Focus to be laid on skills of students | To improve student's skills, more soft skill and skill development programmes are conducted. This results in more exposure of students to advanced technologies and better job opportunities. |

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Electronics Engineering
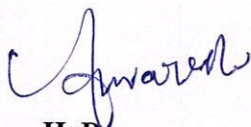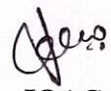K.S.R.M. College of Engineering
Kadapa -516003.

## Conclusion

The majority of the faculty members were satisfied towardscourse delivery methods implemented and the courses delivered are able to make a student a successful Electrical and Electronics Engineer. Remedial classes are being conducted for failed students and they are monitored for their academic improvement.

The alumnus has expressed satisfaction about the curriculum content and all the courses are designed in such a manner to provide necessary inputs required for a student's overall growth.

Parents were satisfied about the modern technological methods used for teachingand about the learning facilities provided for the students. Employers felt that the students were good in communication skills and have the required knowledge necessary for industrial working environment irrespective of the domain.

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# K.S.R.M. COLLEGE OF ENGINEERING

## UGC-AUTONOMOUS

## ACTION TAKEN REPORT ON CURRICULUM

## A.Y.2019-20

## DEPARTMENT OF MECHANICAL ENGINEERING

# INTRODUCTION

The institution collects feedback on curriculum aspects and courses from different stakeholders such as students, alumni, faculty, and employers. Once the feedback is analyzed and valuable suggestions given were considered and necessary actions were executed.

## Students Feedback and Action Taken Report

Based on received feedback from the students a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

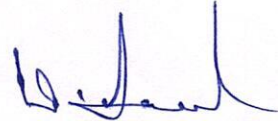| S. No | Consolidated Feedback | Action Taken |
|---|---|---|
| 1 | Curriculum may be revised including new topics. Enhance E sources and E-learning materials. | It is decided to provide E-sources and E-learning materials to the students. |
| 2 | Improve resources in the department and central library. | It is decided to increase sources in the department and library like adding curriculum related books and increasing time limit to use internet and systems facilities. |
| 3 | Students suggested the need for job-oriented courses, training for facing interviews during campus selections. | It is decided to increase more training programs to develop communication skills in students. Also job oriented carrier guidance trainings are implementing to create awareness on interviews. |
| 4 | Smart class programmes may be made effective. Students requested to add curricular and extracurricular activities in the department. | Smart Class rooms, Video conferencing etc was made effective by use of ICT. It is decided to increase Curricular and Co-curricular and extracurricular programs in the department. |

**HoD**
Professor & Head
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# Parents Feedback and Action Taken Report

Based on received feedback from the parents a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

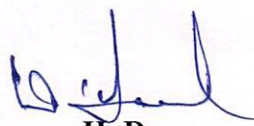| S. No | Consolidated Feedback | Action Taken |
|---|---|---|
| 1 | Practical Knowledge to be imparted which will help them to face real life situations. | Mini-Project models and individual presentations by students in the institution were encouraged for participating in competitions organized by other institutions were facilitated. |
| 2 | Parents requested to introduce more placements trainings. | It is decided to introduce job oriented elective courses in the curriculum. |

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Professor & Head
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# Employer Feedback and Action Taken Report

Based on received feedback from the employers a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

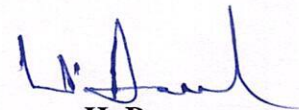| S. No | Consolidated Feedback | Action Taken |
|-------|----------------------|--------------|
| 1 | Students need to be aware of industry exposure. | Invited resource persons from industries were made to address the students. |
| 2 | Recruiters suggested that the students are be strong in their aptitude skills, as it is the first level of the interview process. | Intensive training on aptitude training was planned for the next academic year. |

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# Alumni Feedback and Action Taken Report

Based on received feedback from the Alumnus a consolidated analysis is statement is prepared and appropriate actions are taken which are notified in the following table.

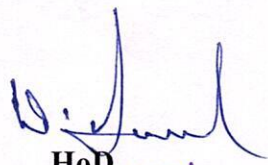| S. No | Consolidated Feedback | Action Taken |
|---|---|---|
| 1 | It is better to conduct mock interviews, advanced workshops and training programs. | It is planned to provide more industry-oriented projects in curriculum in order to improve skill. |
| 2 | Focus more on inter-disciplinary activities of many courses. | Inter departmental research initiatives was encouraged. |
| 3 | Involve alumni in BOS and take their suggestions to revamp the curriculum to cater to the needs of the job market. | Suggestions by the alumni were considered and they were included in important decision-making processes. Prestigious alumina was invited to give motivational talks to the students. |

HoD

# Teachers Feedback and Action Taken Report

Based on received feedback from the Teachers a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

| S. No | Consolidated Feedback | Action Taken |
|---|---|---|
| 1 | Teachers are appointed as a part of curriculum development committee. Suggestions from all faculties regarding curriculum revision are considered. Inputs are taken for revision of syllabus. | Each Department has the Board of Studies (BoS) meeting. Feedback given by the subject teachers were put forward to the committee for consideration and the recommendations were implemented. |
| 2 | It is advised to conduct more training programs to the students for skill development. | It is decided to increase more training programs to develop soft skills in students. |
| 3 | Research quality may be enhanced by collaborative research with other institutions in India and abroad. | MOUs / Agreements were signed with reputed organization to enrich research experience and facilitatestaff and student exchange program. |

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# CONCLUSION

Thus the feedback given by the stakeholders were analyzed and suitable action was taken so as to satisfy the expectations of students, parents and employers. This further helped us to improvise our curriculum as per the expectations of the stakeholders

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# K.S.R.M COLLEGE OF ENGINEERING
## UGC-AUTONOMOUS

# ACTION TAKEN REPORT ON CURRICULUM

## A.Y. 2019-2020

**DEPARTMENT**
**OF**
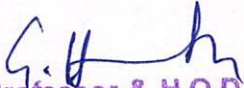**ELECTRONICS AND COMMUNICATION ENGINEERING**

# INTRODUCTION

The institution collects feedback on curriculum aspects and courses from different stakeholders such as students, alumni, faculty, and employers. Once the feedback is analyzed and valuable suggestions given were considered and necessary actions were executed.

## Students Feedback and Action Taken Report

Based on the Students feedback, appropriate changes were made as is notified in the following table.
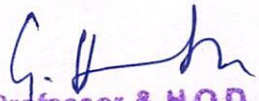
| S. No | FEEDBACK | ACTION TAKEN |
|---|---|---|
| 1 | Required more advanced courses | More advanced courses are introduced through electives. |
| 2 | Required more industry interactions | MOUs are increased and Training programs are conducted by the industry experts. |
| 3 | Need to improve the skills | Skill courses are introduced in the curriculum with hands on sessions. |
| 4 | Courses on professional ethics, human values, environment are sufficient | - |
| 5 | cross-cutting contemporary issues addressed through value added courses are satisfied | - |
| 6 | More field visits are needed. | Filed visits are planned with the MoU Companies. |
| 7 | Assessment and evaluation procedures are adequate | - |
| 8 | ICT tools, LMS and learning resources are effectively used for curriculum delivery. | - |

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# Teachers' Feedback and Action Taken Report

Teachers 'feedback is very informative to better the existing situation. It is based on the feedback listed action were taken as reported in the table below
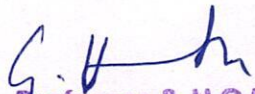
| S. No | FEEDBACK | ACTION TAKEN |
|---|---|---|
| 1 | Required to improve logical thinking | More simulation tools are introduced in the lab sessions |
| 2 | The curriculum is applicable or relevance to real life situations | - |
| 3 | Required to improve communication skills | More extracurricular activities are conducted and seminars are included in the curriculum. |
| 4 | Life skills education and value added courses offered to enrich the curriculum are satisfactory. | - |
| 5 | The contents are relevant to the requirements of the profession | - |
| 6 | The curriculum fulfills local, national and global needs | The gaps are covered with Value added courses |
| 7 | Curriculum Assessment and Evaluation processes are good. | Feedback from stakeholders collected regularly. |

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# Parents Feedback and Action Taken Report

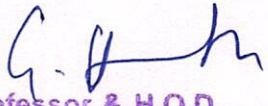The feedback from parents and in response the action taken is illustrated in the following table.

| S. No | FEEDBACK | ACTION TAKEN |
|---|---|---|
| 1 | The content and coverage of the curriculum is excellent | - |
| 2 | The core courses are adequate. | - |
| 3 | The elective courses are matched with the industry requirements | - |
| 4 | Required more industry interactions | MOUs are increased and Training programs are conducted by the industry experts. |
| 5 | Able to cope with the current job challenges. | The gaps are covered with the value added courses. |
| 6 | Curriculum adopts new technologies | - |
| 7 | Students are able to handle projects/assignments as an individual. | - |
| 8 | Required more communication skills | Advanced English communication lab is introduced. More extracurricular activities are conducted |

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# Alumni Feedback and Action Taken Report

The alumni appreciated the existing pattern of education, they suggested to give more stress to research activities, capacity building and skill training program and the action taken report were given below.
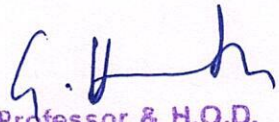
| S. No | FEEDBACK | ACTION TAKEN |
|---|---|---|
| 1 | Depth of the course content is excellent | - |
| 2 | Required more advanced courses with real time applications | More advanced courses are introduced through electives. |
| 3 | The Curriculum applicable to employability/higher education opportunity. | The gaps are covered with the value added courses. |
| 4 | Need advanced programming skills | More Activities on coding are conducted and introduced various simulation tools |
| 5 | The knowledge is sufficient to tackle the competitive world | The gaps are covered with the value added courses. |
| 6 | Syllabus exposure to real time is sufficient. | - |
| 7 | Curriculum serves current industry needs. | The gaps are covered with the value added courses. |
| 8 | Quality of the curriculum is excellent. | - |

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# Employer/Industry expert Feedback and Action Taken Report

The responses of the recruiters who visited the campus and the action taken were given below
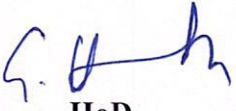
| S. No | FEEDBACK | ACTION TAKEN |
|---|---|---|
| 1 | The curriculum designed is relevant and meets the requirements of the Industry | The gaps are covered with the value added courses. |
| 2 | The curriculum offered satisfies the Technical knowledge for the Profession. | - |
| 3 | Suggested to introduce more skill courses | Skill Courses are introduced in the curriculum |
| 4 | Serving the Industry needs in terms of leadership, team building and interpersonal skills, | The gaps are covered with the value added courses. |
| 5 | Required more Communications skills. The practical skills are sufficient | Introduced seminars and more extracurricular activities. |
| 6 | The adaptabilities to change and lifelong learning are good | - |
| 7 | The curriculum Produces the graduates with right attitude, values and ethics. | - |

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# CONCLUSION

Thus the feedback given by the stakeholders was analyzed and suitable action was taken so as to satisfy the expectations of students, parents and employers/Industry Experts. This further helped us to improve our curriculum as per the expectations of the stakeholders

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# K.S.R.M. COLLEGE OF ENGINEERING
### UGC-AUTONOMOUS

# ACTION TAKEN REPORT ON CURRICULUM
## A.Y. 2019-2020

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

# K.S.R.M. COLLEGE OF ENGINEERING

**(UGC- AUTONOMOUS)**
Kadapa, Andhra Pradesh, India– 516 003
Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.
Accredited by NAAC of UGC
An ISO 14001:2004 & 9001: 2015 Certified Institution

# INTRODUCTION

The institution collects feedback on curriculum aspects and courses from different stakeholders such as students, alumni, faculty, and employers. Once the feedback is analyzed and valuable suggestions given were considered and necessary actions were executed.

## Students Feedback and Action Taken Report

Based on received feedback from the students, a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table:

| S. No. | Consolidated feedback | Action Taken |
|--------|----------------------|--------------|
| 1 | In most of the cases, students given good feedback for the advanced course content, coverage of syllabus, connectivity to solve real world problems etc. Further, It is observed that overall rating is good. | Students are encouraged to register for MOOC courses offered by NPTEL, UDEMY, COURSERA to get global exposure. |
| 2 | Required more industry interactions. | MOUs are increased and Training programs are conducted from the industry experts. |
| 3 | Applicability or relevance to real life situations. | Skill courses are introduced in the curriculum with hands on sessions. |
| 4 | Courses on professional ethics, human values and environment are sufficient. | - |
| 5 | Cross-cutting contemporary issues addressed through value added courses are sufficient. | - |
| 6 | More field visits are needed. | Filed visits are planned with the MoU Companies. |
| 7 | Assessment and evaluation procedures are adequate. | - |
| 8 | ICT tools, LMS and learning resources are effectively used for curriculum delivery. | - |

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# Faculty Feedback and Action Taken Report

Based on received feedback from the faculty, a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table:

| S. No. | Consolidated feedback | Action Taken |
|---|---|---|
| 1 | The course content is in depth and fulfills the requirements of the industry. | - |
| 2 | Introduce subjects of trending technologies like Internet of Things, Cloud Computing, Ethical Hacking etc. | Added Ethical Hacking, Cloud Computing and Internet of Things (IoT) along with laboratory exercises in R18UG regulations. |
| 3 | The curriculum is applicable or relevance to real life situations. | - |
| 4 | The learning values in terms of knowledge, concepts, manual skills, etc., are met according to the requirements. | - |
| 5 | Syllabus related material is provided with good explanations. | - |
| 6 | Provided good central and department library facilities. | - |
| 7 | Required to improve communication skills. | More extracurricular activities are conducted and seminars are included in the curriculum. |

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# Employer Feedback and Action Taken

Based on received feedback from the employers a consolidated analysis statement is prepared and appropriate actions are taken which are notified in thefollowing table.

| S. No. | Consolidated feedback | Action Taken |
|---|---|---|
| 1 | Provided good knowledge on the basics of Computer Sciences in the curriculum. | - |
| 2 | Received good feedback on the fundamental concepts on Mathematics and Sciences. | - |
| 3 | Require to learn and improve analytical skills to solve the problem based on algorithms along with coding skills. | Internships are introduced in the upcoming curriculum for all the students to do real time projects, so that they can improve analytical and programming skills based on algorithms. Further they can improve Industry required coding skills. |
| 4 | Require to learn on recent tools and its usage. | Students are encouraged to participate in the workshops, seminars, webinars, value added/certificate courses and so on to improve their skills. |
| 5 | Students able to do team work with Emotional Intelligence and Cohesiveness in diversified environment. | Recommended to conduct more training programs for the students on soft skills, Interpersonal skills and Emotional Intelligence to inculcate team work. |
| 6 | Require courses to update the students with new technologies. | Students are encouraged to register for MOOC courses offered by NPTEL, UDEMY, COURSERA to get knowledge on new technologies. |

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# Alumni Feedback and Action Taken

Based on received feedback from the Alumnus, a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

| S. No. | Consolidated feedback | Action Taken |
|---|---|---|
| 1 | Depth of the course content is excellent. | - |
| 2 | Required more advanced courses with real time applications. | More advanced courses are introduced through electives. |
| 3 | The Curriculum applicable to employability/higher education opportunity. | The gaps are covered with the value added courses. |
| 4 | Need advanced programming skills | More Activities on coding were conducted for the students. |
| 5 | The knowledge is sufficient to tackle the competitive world. | The gaps are covered with the value added /Certificate courses, workshops, seminars etc., |
| 6 | Syllabus exposure to real time is sufficient. | - |
| 7 | Curriculum serves current industry needs. | The gaps are covered with the seminars, workshops, webinars, value added/certificate courses. |
| 8 | Quality of the curriculum is excellent. | - |

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# Parents Feedback and Action Taken

Based on received feedback from the parents, a consolidated analysis statement is prepared and appropriate actions are taken which are notified in the following table.

| S. No. | Consolidated feedback | Action Taken |
|---|---|---|
| 1 | The content and coverage of the curriculum is excellent | - |
| 2 | The core courses are adequate. | - |
| 3 | The elective courses are matched with the industry requirements | - |
| 4 | Required more industry interactions | MOUs are increased and Training programs are conducted by the industry experts. |
| 5 | Able to cope with the current job challenges. | The gaps are covered with the value added courses. |
| 6 | Curriculum adopts new technologies | - |
| 7 | Students are able to handle projects/assignments as an individual. | - |
| 8 | Required more communication skills | Advanced English communication lab is introduced. More extracurricular activities are conducted |
| 9 | Students able to do team work with Emotional Intelligence and Cohesiveness in diversified environment. | Recommended to conduct moretraining programs for the studentson soft skills, Interpersonal skills and Emotional Intelligence to that Inculcates team work. |

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