



**Department of Computer Science & Technology**

**Action Taken Report for the Academic Year 2022-2023**

The below table summarizes the feedback from stakeholders and action taken by the institute.

| S.No. | Feedback by stakeholders   | Action Taken   |
|-------|--|--|
| 1.    | Advanced courses like Data Analytics, Natural Language Processing etc., should be a part the curriculum.   | Courses like Data Analytics, Natural Language Processing, Introduction To Game Theory are included as a part of curriculum.  |
| 2.    | Need for job-oriented courses, training for handling interviews and career guidance by experts.  | More technical workshops like Cloud, IoT, Machine learning are organized, career guidance and soft skill development activities have been conducted.<br>Faculty Alumni coordinator has organized interactive sessions with prominent alumni on guidance and career counseling as well as motivational talks. |
| 3.    | Parents gave suggestions like, Internships, industrial visits and field visits should have been conducted for the students to know about external world. | Making students to do internship through both offline or online mode. Students were sent for industrial visit also.  |
| 4.    | Academic experts gave suggestions like, the changes in the syllabus should be done by considering the NEP-2020 guidelines                                | Institute is following the guidelines of NEP-2020 while framing the curriculum.  |
| 5.    | Faculties gave suggestions, to provide faculty development programs for the advanced courses which is a part of a curriculum.                            | The 3 to 5 days Faculty Development Programs(FDPs) have been organized by the institute in the fields of new trend & technology related to academia.   |

  
**Faculty In-charge**

  
**Head of the Department**  
**Computer Science & Technology**  
**HOD**  
Madanapalle Institute of Technology & Science  
MADANAPALLE, 2023



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

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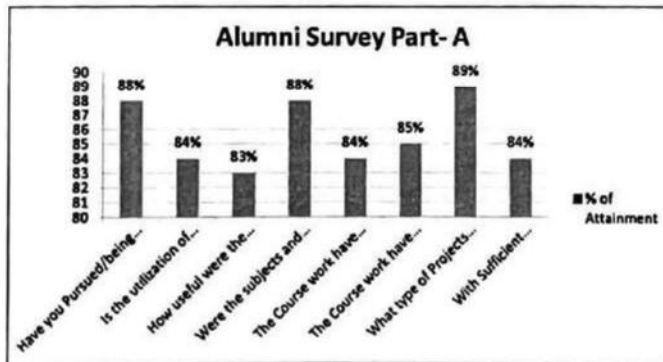
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Alumni Survey Part- A ( Academic Year 2022-23 )

| S. No. | Survey   | % of Attainment |
|--------|--|-----------------|
| 1      | Have you Pursued/being Pursuing higher education?  | 88              |
| 2      | Is the utilization of knowledge in Mathematics, Science, and Engineering given during Graduation of any use in meeting the difficulties at the work place ?  | 84              |
| 3      | How useful were the additional Tools/Skills/Training you have acquired to meet the current/ future job requirements other than what you have learnt during your Graduate Program ?                     | 83              |
| 4      | Were the subjects and Electives offered at the Program level helpful to influence your Higher Education ?  | 88              |
| 5      | The Course work have given me appealing preamble to work in multi-disciplinary and shared environment.   | 84              |
| 6      | The Course work have given me the necessary platform to engage in lifelong learning to update the technical skills and to solve research problems related to electronics and communication engineering | 85              |
| 7      | What type of Projects you handled/ handling after your graduation?   | 89              |
| 8      | With Sufficient background able to pursue higher education after graduating from MITS  | 84              |



Final Attainment

  
Faculty In-charge

Head of the Department  
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MADANAPALLE 517 334  
HOD



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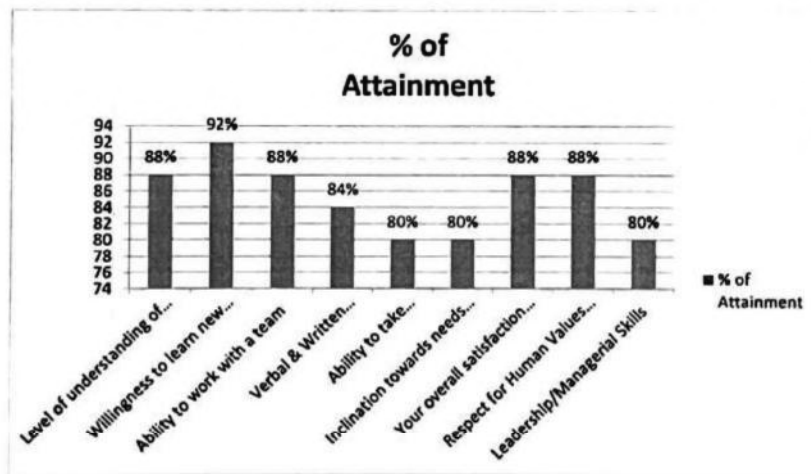
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY Employer Survey ( Academic Year 2022-23 )

| S. No. | Survey   | % of Attainment |
|--------|--|-----------------|
| 1      | Level of understanding of the Engineering principles and application of the same in design/ analysis/problem solving | 88              |
| 2      | Willingness to learn new technology and adopt new ideas to meet the workplace challenges                             | 92              |
| 3      | Ability to work with a team  | 88              |
| 4      | Verbal & Written communication skills  | 84              |
| 5      | Ability to take independent decisions  | 80              |
| 6      | Inclination towards needs of the society   | 80              |
| 7      | Your overall satisfaction with the performance of our graduates  | 88              |
| 8      | Respect for Human Values & Ethic   | 88              |
| 9      | Leadership/Managerial Skills   | 80              |



**Final Attainment**

*(Signature)*

**Faculty In-charge**

Head of the Department  
Computer Science & Technology  
Madanapalle Institute of Technology & Science  
A.D. DANAPALLE  
17/3/23

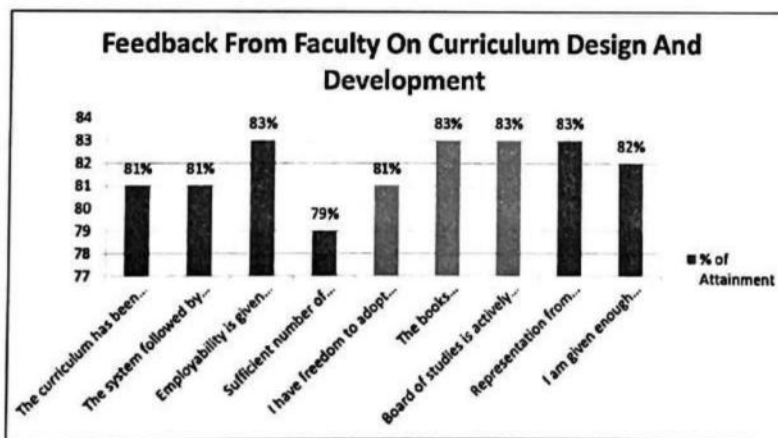


**DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY**

**Feedback From Faculty On Curriculum Design And Development**

**( Academic Year 2022-23 )**

| S. No. | Survey   | % of Attainment |
|--------|--|-----------------|
| 1      | The curriculum has been updated from time to time.   | 81              |
| 2      | The system followed by the college for the design and development of curriculum is effective.  | 81              |
| 3      | Employability is given weightage in curriculum design and development.   | 83              |
| 4      | Sufficient number of prescribed books are available in the library   | 79              |
| 5      | I have freedom to adopt modern ICT Tools & Techniques for effective course delivery  | 81              |
| 6      | The books prescribed/listed as reference materials are relevant, updated and appropriate   | 83              |
| 7      | Board of studies is actively involving to ensure the relevance of the programme offered in the department.                                   | 83              |
| 8      | Representation from industry in Boards of studies is helpful in designing and improving the syllabi based on latest technological evolution. | 83              |
| 9      | I am given enough freedom to contribute my ideas on curriculum design and development.   | 82              |



**Final Attainment**

**Faculty In-charge**

**HOD**  
Head of the Department -  
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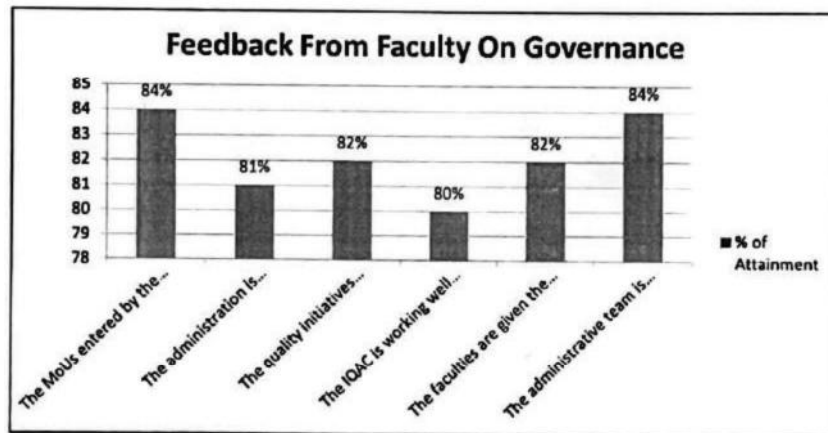
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY


### Feedback From Faculty On Governance ( Academic Year 2022-23 )

| S. No. | Survey   | % of Attainment |
|--------|--|-----------------|
| 1      | The MoUs entered by the college enhance the scope for mutual cooperation with Institutions and Research Organizations of repute. | 84              |
| 2      | The administration is sincerely putting efforts for the development of the institution.  | 81              |
| 3      | The quality initiatives taken up during the last academic year are contributing for improvement.                                 | 82              |
| 4      | The IQAC is working well for promoting quality in the institution.   | 80              |
| 5      | The faculties are given the freedom to express their opinions.   | 82              |
| 6      | The administrative team is accessible.   | 84              |



**Final Attainment**

  
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Head of the Department  
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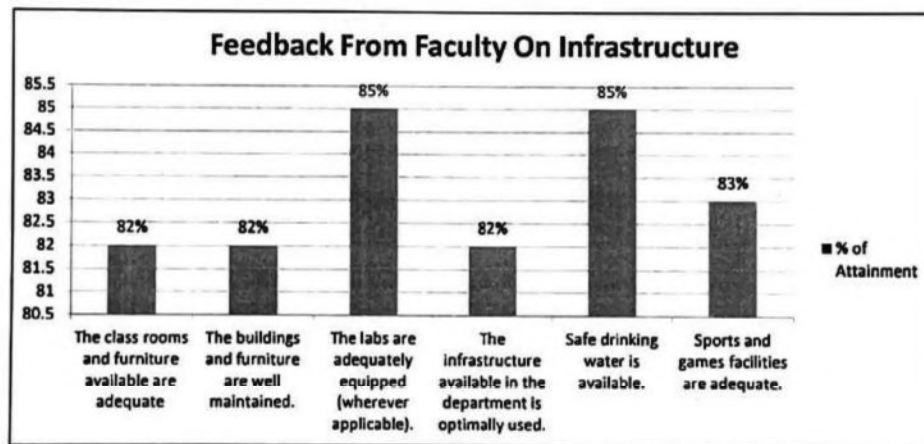
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY


### Feedback From Faculty On Infrastructure ( Academic Year 2022-23 )

| S. No. | Survey  | % of Attainment |
|--------|---|-----------------|
| 1      | The class rooms and furniture available are adequate              | 82              |
| 2      | The buildings and furniture are well maintained.                  | 82              |
| 3      | The labs are adequately equipped (wherever applicable).           | 85              |
| 4      | The infrastructure available in the department is optimally used. | 82              |
| 5      | Safe drinking water is available.                                 | 85              |
| 6      | Sports and games facilities are adequate.                         | 83              |



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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Feedback From Faculty On Teaching, Learning, Evaluation & Research ( Academic Year 2022-23 )

| S. No. | Survey  | % of Attainment |
|--------|---|-----------------|
| 1      | The College is able to attract meritorious students.  | 85              |
| 2      | Student centered learning resources are available in the college  | 80              |
| 3      | The Central Library and Department Library are major sources of information.  | 83              |
| 4      | The timings of the Library are convenient.  | 85              |
| 5      | The procedure followed for acquiring new books and journals are periodicals is appreciable                                  | 86              |
| 6      | The faculty are supported with adequate learning resources.   | 80              |
| 7      | The faculty are encouraged to organize and participate of seminars, conferences, workshops & Faculty Development Programmes | 85              |
| 8      | The evaluation system followed by the college is effective.   | 82              |
| 9      | Incentive scheme offered for Publications/ Funded projects/Consultancy/ Patents is appreciable                              | 87              |



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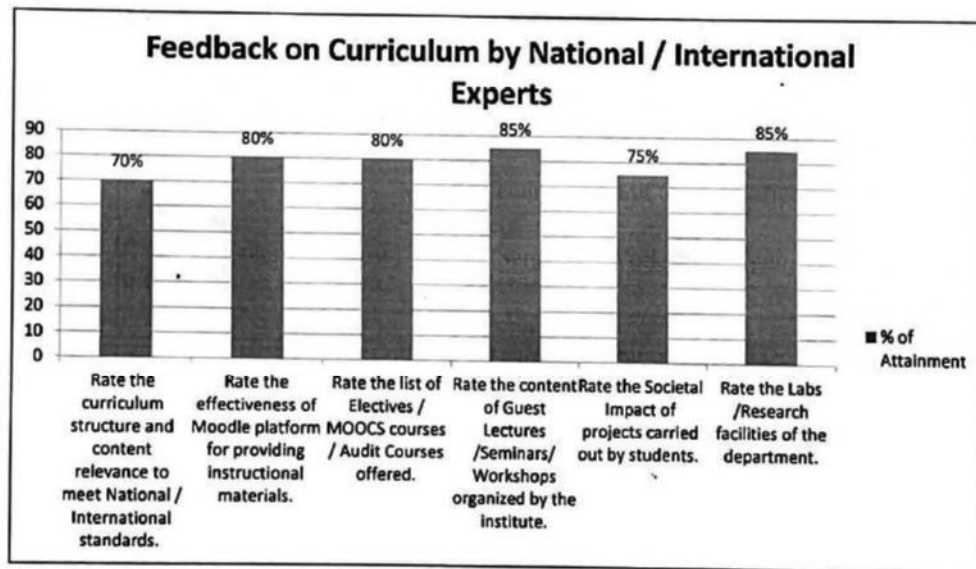
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Feedback on Curriculum by National / International Experts ( Academic Year 2022-23 )

| S. No. | Survey  | % of Attainment |
|--------|---|-----------------|
| 1      | Rate the curriculum structure and content relevance to meet National / International standards. | 70              |
| 2      | Rate the effectiveness of Moodle platform for providing instructional materials.                | 80              |
| 3      | Rate the list of Electives / MOOCS courses / Audit Courses offered.                             | 80              |
| 4      | Rate the content of Guest Lectures /Seminars/ Workshops organized by the institute.             | 85              |
| 5      | Rate the Societal Impact of projects carried out by students.                                   | 75              |
| 6      | Rate the Labs /Research facilities of the department.   | 85              |



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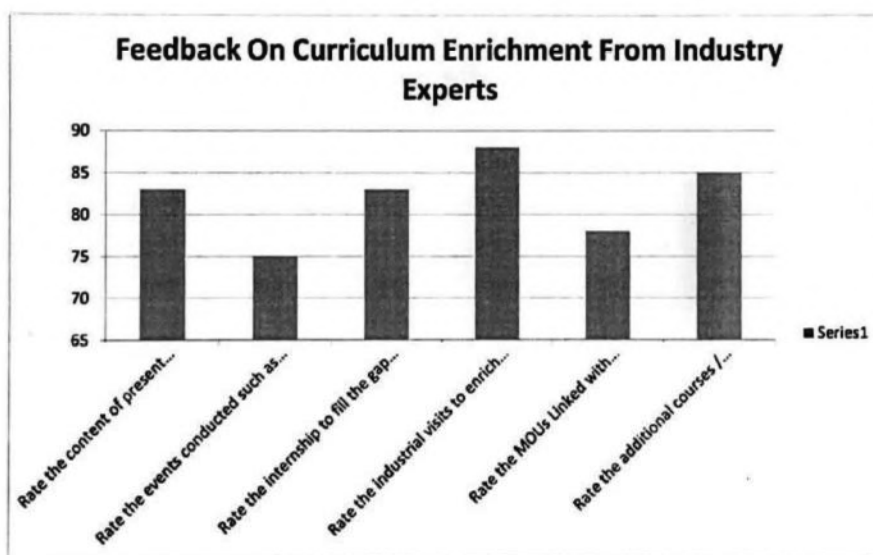
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Feedback On Curriculum Enrichment From Industry Experts ( Academic Year 2022-23)

| S. No. | Survey  | % of Attainment |
|--------|---|-----------------|
| 1      | Rate the content of present curriculum to meet the industrial needs.                                    | 83              |
| 2      | Rate the events conducted such as guest lectures/ workshops/seminars/webinars to enrich the curriculum. | 75              |
| 3      | Rate the internship to fill the gap in the curriculum.  | 83              |
| 4      | Rate the industrial visits to enrich the curriculum.  | 88              |
| 5      | Rate the MOUs Linked with industry.   | 78              |
| 6      | Rate the additional courses / Training / certificate courses provided by the institution.               | 85              |



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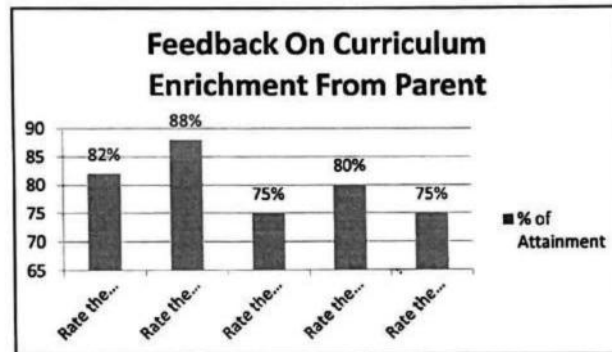
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Feedback On Curriculum Enrichment From Parent ( Academic Year 2022-23 )

| S. No. | Survey  | % of Attainment |
|--------|---|-----------------|
| 1      | Rate the events participated by your ward such as Guest Lectures/ Workshops/Seminars/Webinars to enrich the Curriculum. | 82              |
| 2      | Rate the Internship undergone by your ward to fill the gap in the curriculum.   | 88              |
| 3      | Rate the Industrial visits undergone by your ward, to enrich the curriculum.  | 75              |
| 4      | Rate the MOUs linked with Industry  | 80              |
| 5      | Rate the Additional courses / Training / Certificate Courses provided by the Institution to your ward                   | 75              |



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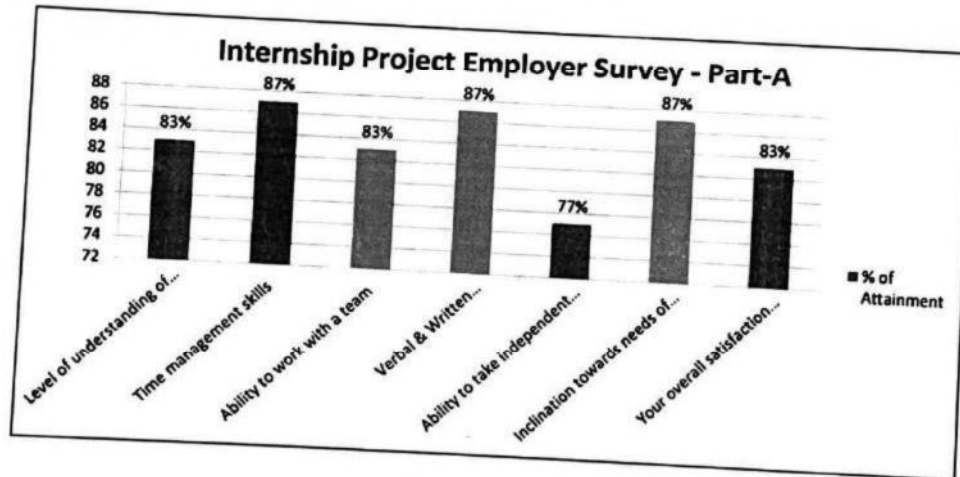
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Internship Project Employer Survey - Part-A ( Academic Year 2022-23 )

| S. No. | Survey   | % of Attainment |
|--------|--|-----------------|
| 1      | Level of understanding of the Engineering Principles and Application of the same in Design/ Analysis/Problem Solving | 83              |
| 2      | Time management skills   | 87              |
| 3      | Ability to work with a team  | 83              |
| 4      | Verbal & Written communication skills  | 87              |
| 5      | Ability to take independent decisions  | 77              |
| 6      | Inclination towards needs of the society   | 87              |
| 7      | Your overall satisfaction with the performance of our graduates  | 83              |



Final Attainment

*(Signature)*

Faculty In-charge

Head of the Department  
Computer Science & Technology  
Madanapalle Institute of Technology & Science  
MADANAPALLE - 517 313  
**HOD**



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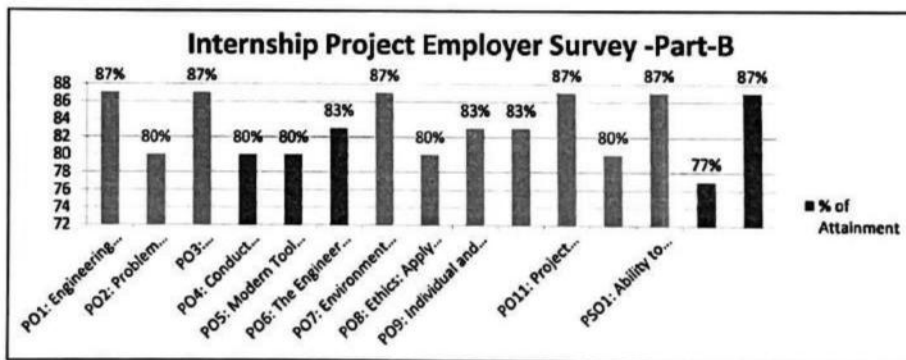


## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Internship Project Employer Survey -Part-B ( Academic Year 2022-23 )

| S. No. | Survey   | % of Attainment |
|--------|--|-----------------|
| 1      | PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.  | 87              |
| 2      | PO2: Problem Analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.  | 80              |
| 3      | PO3: Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. | 87              |
| 4      | PO4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems.                                   | 80              |
| 5      | PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.  | 80              |
| 6      | PO6: The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.   | 83              |
| 7      | PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.   | 87              |
| 8      | PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.  | 80              |
| 9      | PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.   | 83              |

|    |   |    |
|----|---|----|
| 10 | PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. | 83 |
| 11 | PO11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.   | 87 |
| 12 | PO12: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.  | 80 |
| 13 | PSO1: Ability to design algorithms using mathematical models and implement problems through different programming tools to solve real world problems.   | 87 |
| 14 | PSO2: Ability to apply Software Engineering Principles & Practices in the domain of Database Management Systems, Compilers, Computer Networks, Operating Systems and allied areas, Mobile and web based applications under realistic constraints.   | 77 |
| 15 | PSO3: Ability to implement the principles and techniques of Artificial Intelligence and Machine Learning, IoT and Cloud Computing, Data Analytics & Security by applying them to develop intelligent systems and data-driven solutions.   | 87 |



Final Attainment

  
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**HOD**  
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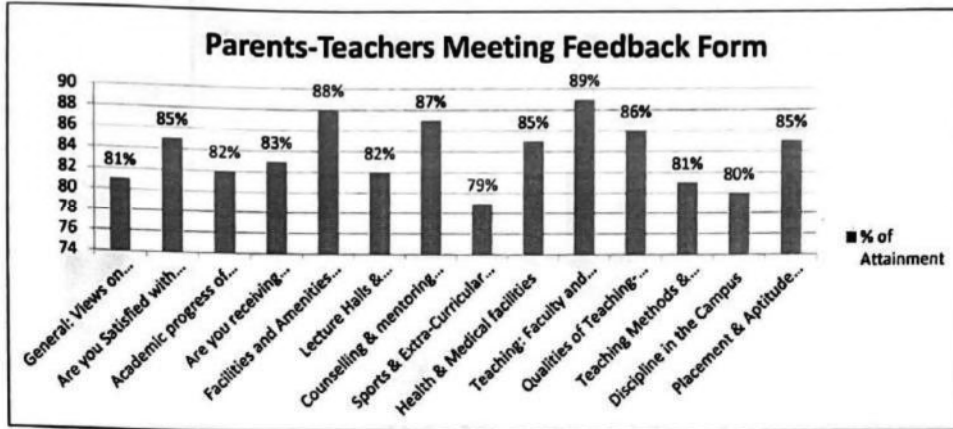
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## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Parents-Teachers Meeting Feedback Form (Academic Year 2022-23)

| S. No. | Survey  | % of Attainment |
|--------|---|-----------------|
| 1      | General: Views on organizing Parents Teachers Meeting                   | 81              |
| 2      | Are you Satisfied with Progress / Growth of MITS?                       | 85              |
| 3      | Academic progress of your ward  | 82              |
| 4      | Are you receiving Attendance Intimation about your wards regularly?     | 83              |
| 5      | Facilities and Amenities for Students: Library & Computer Center Access | 88              |
| 6      | Lecture Halls & Laboratories  | 82              |
| 7      | Counselling & mentoring facilities                                      | 87              |
| 8      | Sports & Extra-Curricular facilities                                    | 79              |
| 9      | Health & Medical facilities   | 85              |
| 10     | Teaching: Faculty and Methods: Attitude of the Teaching faculty         | 89              |
| 11     | Qualities of Teaching-Learning  | 86              |
| 12     | Teaching Methods & Techniques   | 81              |
| 13     | Discipline in the Campus  | 80              |
| 14     | Placement & Aptitude Training   | 85              |



**Final Attainment**

  
**Faculty In-charge**

Head of the Department  
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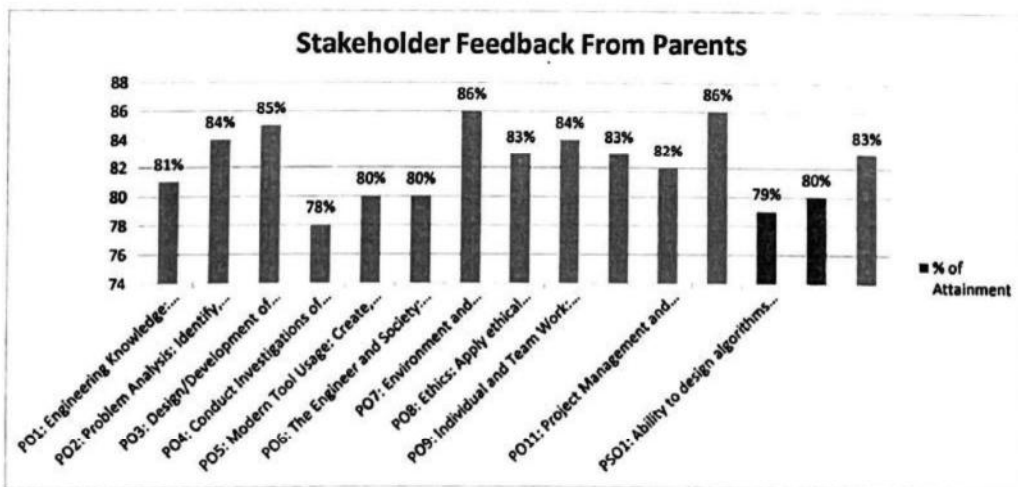
## DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

### Stakeholder Feedback From Parents ( Academic Year 2022-23 )

| S. No. | Survey   | % of Attainment |
|--------|--|-----------------|
| 1      | PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.  | 81              |
| 2      | PO2: Problem Analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.  | 84              |
| 3      | PO3: Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. | 85              |
| 4      | PO4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems.                                   | 78              |
| 5      | PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.  | 80              |
| 6      | PO6: The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.   | 80              |
| 7      | PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.   | 86              |
| 8      | PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.  | 83              |
| 9      | PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.   | 84              |



|    |   |    |
|----|---|----|
| 10 | PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. | 83 |
| 11 | PO11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.   | 82 |
| 12 | PO12: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.  | 86 |
| 13 | PSO1: Ability to design algorithms using mathematical models and implement problems through different programming tools to solve real world problems.   | 79 |
| 14 | PSO2: Ability to apply Software Engineering Principles & Practices in the domain of Database Management Systems, Compilers, Computer Networks, Operating Systems and allied areas, Mobile and web based applications under realistic constraints.   | 80 |
| 15 | PSO3: Ability to implement the principles and techniques of Artificial Intelligence and Machine Learning, IoT and Cloud Computing, Data Analytics & Security by applying them to develop intelligent systems and data-driven solutions.   | 83 |



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