

1.4.1 Action Taken Report (2018-19)



Action Taken on Feedback given by Various Stakeholders



Action Taken on feedback received from stack holders for the Academic year 2018-19

| Stacl | k Holders | Received Feedback |
|----------|--------------|-------------------|
| Students | End Semester | 473 |
| | Program Exit | 77 |
| Faculty | | 13 |
| Employer | | 02 |
| Alumni | 2 | 10 |
| Parents | | 26 |

Students Feedback

One of the most important stakeholders are students. From students two types of feedbacks have been taken. One is end semester feedback which is taken by the completion of every odd & even semester and second type of the feedback is Program Exit Feedback/Exit Feedback. In session 2018-19 total 473 responses have been received for end semester and 77 for program exit feedback. Proper actions have been taken against the suggestions provided by these two types of feedback.

Faculties Feedback

Another important stakeholders are our faculties. A total 13 feedback have been received from the faculty members. Faculty feedbacks have been considered for the action taken for session 2018-19.

Employer's Feedback

02 feedbacks have been received from the various employers from different departments. The feedback of employers are very important and considered for action taken.

Alumni Feedback

Poornima college of Engineering has also taken the feedback from its alumni as the suggestions provided by the alumni may be very important for the overall growth of the institution. A total 10 feedbacks have been received for the session 2018-19.

Parents Feedback

It is advised to take the feedback from parents also. Total 26 feedback have been received from different departments from I semester to VIII semester.

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DEPARTMENT OF MECHANICAL ENGINEERING ACTION TAKEN REPORT (STUDENTS FEEDBACK)

SESSION 2018-19

Feedbacks from the students

- Syllabus is not relevant to the industry requirements and the fulfilment of their career and personal goals.
- A request by students is made for the formulation of syllabi that bridges the gap between
 theory and practical, offering opportunities for field experiences, hands-on learning, skill
 development, and more professionally oriented programmes like Data Analytics,
 programming languages, econometric analysis, etc. that shall enable them to participate
 in the workplace. More placement opportunities and information on future career options
 to aid field selection were also requested.
- Rethinking evaluation methods, formulating assignments and projects that test creative
 and analytical ability is the need of the hour. Readings and other study material should be
 compact and made accessible to students in an organized manner.
- Some students also highlighted the desire for more comprehensive and detailed engagement with certain topics and subjects, with training in writing research papers, so that they may prepare better for further specializations in the discipline.
- The students were happy with the academic environment of the college.
- Less time duration is available for the completion of NSP project in a semester; therefore, the duration should be increased to two semesters for a NSP project. Some of the courses like Automobile Engineering, IC engines, Refrigeration and air-conditioning and FEA are very important for a Mechanical Engineer but in RTU curriculum these subjects are offered as electives.

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Concerned issues should be discussed in Department committee.

- Department committee requested management to allow industry visit for students in each session. Additionally, more Expert lectures & Guest lectures should be conducted for grabbing the career opportunities.
- All department faculties should sit together and decide on the evaluation methods for impartial evaluation of theory, lab exams and assignments and tutorials.
- Research Paper writing Seminar should be conducted at the department level for 3rd year and 4th year students.

Action Taken:

- The Institution encouraged the holistic development of students through diverse teaching pedagogies. Additionally, a well-stocked library with extensive reading space had been made available to the students for accessing primary and secondary study material. Moreover, PCE ensured the inculcation of extra-academic skills by offering a wide array of extra-curricular and activities to the students.
- College management allowed to take students for Industry Visit in each session for more understanding of Industry requirement by students.
- All lab courses had rubrics designed and displayed in Labs. Evaluated answer copies of midterm exams are shown to students to guide them and make them improve their mistakes.
- In every semester student will undergo Non-Syllabus Project in which he/she has to perform a Literature Survey of related Research papers. Additionally in Final Year Seminar it is now compulsory for each student to write a Review Paper on the Seminar topic and get it published.

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Department of Mechanical Engineering

Feedback Analysis and General Suggestions Given by Students

Session 2018-19

| S.No. | Particulars | Average |
|-------|---|---------|
| 1 | Are you able to apply knowledge of mathematics, science and Electrical Engineering fundamentals for solving complex engineering problems? | 3.49 |
| 2 | Do you have the ability to identify and analyze engineering problems using basic principles and literature review. | 3.58 |
| 3 | Ability to design a system, component or process to meet desired needs within realistic constraints such as cost, environmental, societal, health & safety, maintenance and feasibility. | 3.30 |
| 4 | Ability to conduct investigations of complex engineering problems using R & D skills including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. | 3.27 |
| 5 | Ability to practice as a competent electrical professional with yearns for learning and employing emerging and the latest technologies. | 3 |
| 6 | Do you have the ability to design a system, component or process to meet desired needs within realistic constraints such as cost, environmental, societal, health & safety, maintenance and feasibility? | 3 |
| 7 | Are you able to design and develop a system or process considering the environmental and sustainability issues and impacts. | 3.44 |
| 8 | Ability to understand professional and ethical responsibility. | 3.34 |
| 9 | Do you have the ability to design and develop solutions of varying complexities as an individual or in a team? | 3.36 |

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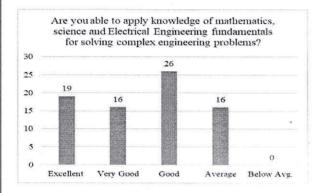
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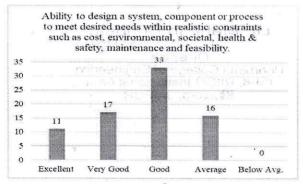


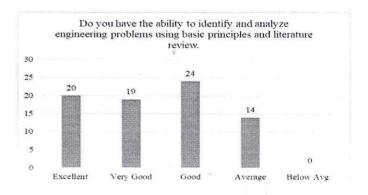
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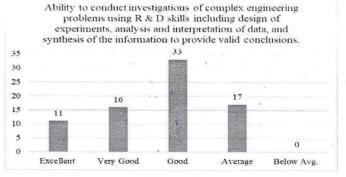
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| 10 | Are you able to communicate effectively with peers, superiors, subordinates, clients and other stakeholders? | 3.39 |
|----|--|------|
| 11 | Do you have multi-domain knowledge so that you can successfully participate in multi-disciplinary team efforts leading to project development, management and finance? | 3.52 |
| 12 | Do you have the ability to recognize the need for life-long learning, and pursue higher education as per the needs of their current and future professional practice? | 3.26 |
| 13 | To promote the participation and leadership for better placements and success in competitive examinations. | 3.43 |
| 14 | To apply the required knowledge of Mechanical Engineering in respective fields for the growth of individual and society | 3.31 |









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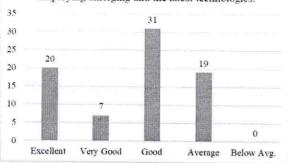
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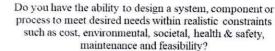
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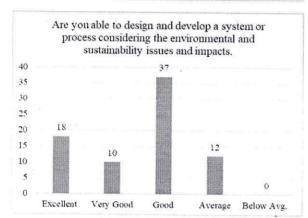


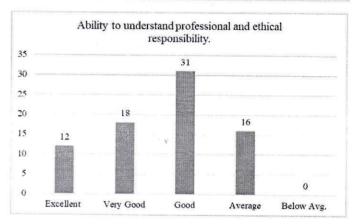
Ability to practice as a competent electrical professional with yearns for learning and employing emerging and the latest technologies.











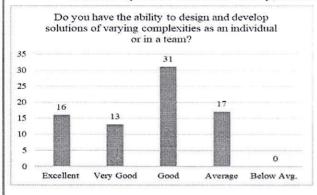
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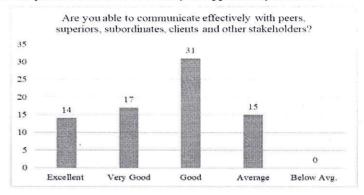
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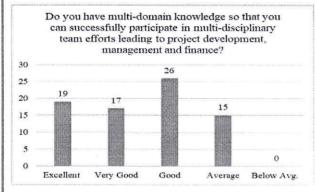


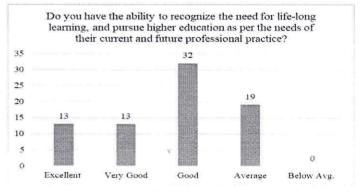
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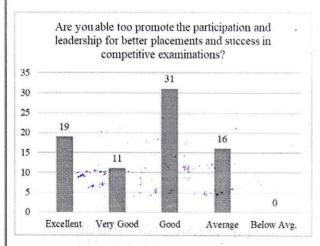
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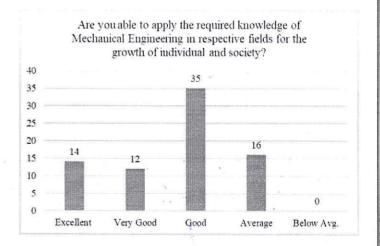












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- 1. Noise from out-side (through windows) must be arrested in the class for effective communication.
- Value added courses may be carried out by the students based on automobile and manufacturing.
- 3. White boards must be wiped daily for clearer appearance of the writings.
- Every student should have knowledge of CAD/ CAM software (CATIA, PRO-E, ANSYS, Solid works etc.)
- 5. Sessions for developing drafting skills in reputed Journals must be rendered.

Action to be taken Against the Suggestions:

- 1. The issues need to be discussed in PAC and DAB
- 2. Institute proctor must be addressed for the relevant problems
- 3. All the class-acoustics has to be checked and optimized.
- 4. The faculties who have published their paper in reputed journals have to be directed for taking class of drafting skills.
- 5. Industry expert sessions on automobile engineering must be rendered.

Action taken:

- Classes affected by outside noise were identified and curtains were applied with improved window doors.
- 2. The sweepers were directed for proper cleaning of the white boards.
- 3. The relevant faculties were deputed for taking sessions on enhancement of drafting skills.

4. CAD/CAM and CATIA software learning classes at the end of semester were started.

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Department of Mechanical Engineering Faculty Feedback Analysis and General Suggestions Session 2018-19

| 1 | Academic flexibility in Curriculum. | 4.15 |
|----|---|------|
| 2 | The curriculum fulfils the need of employability. | 3.69 |
| 3 | Institution provides opportunities for continuous development of employees. | 3.69 |
| 4 | Equal opportunities to all employees | 4.08 |
| 5 | Enriched academic and library resources. | 4 |
| 6 | Motivation for research and publication. | 4 |
| 7 | Approachable management and administration | 3.69 |
| 8 | Proper mechanism of performance review and incentive for the employee. | 3.77 |
| 9 | Transparent policies and procedures | 3.85 |
| 10 | Adherence to latest pay commission and PF norms | 3.62 |
| 11 | Green and clean campus | 3.62 |
| 12 | Hygienic canteen and mess facilities | 3.54 |
| 13 | Prompt healthcare facility | 3.62 |
| 14 | Well-furnished residential facilities | 3.69 |
| 15 | Well maintained conveyance facility | 4.00 |
| 16 | Prompt and transparent grievance redressal system. | 3.92 |
| 17 | High speed Internet facilities | 3.69 |
| 18 | Adequate Infrastructure facilities | 3.77 |

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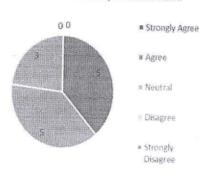
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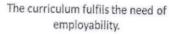


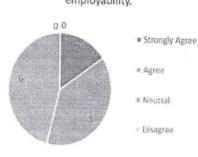
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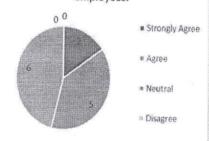
Academic flexibility in Curriculum.



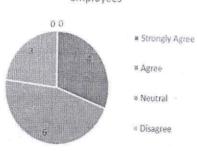




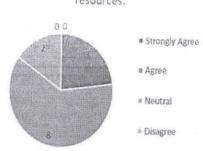
Institution provides opportunities for continuous development of employees.



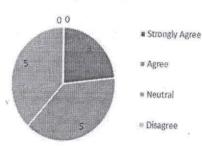
Equal opportunities to all employees



Enriched academic and library resources.



Motivation for research and publication.



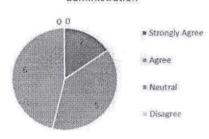
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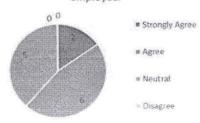
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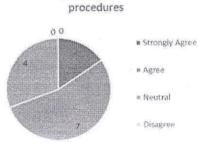
Approachable management and administration



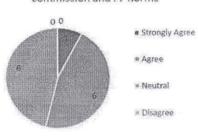
Proper mechanism of performance review and incentive for the employee.



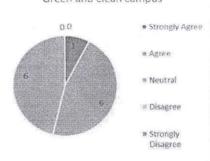
Transparent policies and



Adherence to latest pay commission and PF norms



Green and clean campus



Hygienic canteen and mess



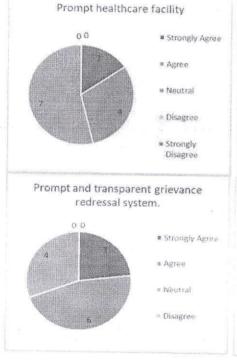
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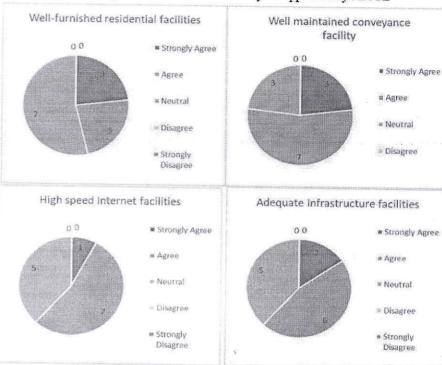
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The important suggestions are as follows:

-communication of Edgagacing (ca.e., Entropymentus) and Area

- Need the knowledge on the CAD/CAM software.
- Students have the knowledge of interdisciplinary areas in the mechanical engineering now a days.
- Students Need knowledge on 3 D printing machine.
- It's important to the students to know about digital instruments to work in the organization.

This feedback is forwarded to authorities for necessary action.

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DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback

Suggestions given by Faculty

Session 2018-19

Faculty Feedback Taken

- 1. For a proper balancing of theory and practical course, relevant beyond syllabus topics should be added in course.
- 2. Students need the knowledge of certification courses as per the industry requirement.
- 3. It's important to the students to know about digital instruments to work in the organization.

4.

Action to be taken Against the Suggestions

- 1. Non syllabus program with relevant beyond syllabus topics will be added in curriculum.
- 2. The sessions of industry persons proposed to be organized for knowing the industry requirements.
- 3. Industry visit or workshop will be organized for the understanding of digitalization.

4.

Action taken Against the Suggestions of Faculty

Surface Contact

- Some NSP course and Industry Institute Interaction activities scheduled throughout the semester.
- 2. Registration in NPTEL and course-era certification encouraged by the institute.
- 3. MoU signed and Industry visit is organized for practical exposure of digitalization.

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DEPARTMENT OF MECHANICAL ENGINEERING Suggestions given by Employer Session 2018-19

Employer Feedback Taken

Or. Maherh Bindele

- Students should be open to new ideas and learning new techniques.
- Students should have planning and organization skills.
- Students should be able to developing practical solutions to work place problems.
- Impart mental and physical fitness training to the students for enhancing industry adoptability.

Action to be taken Against the Suggestions

- To develop new ideas and learning new techniques students project will be more industry focused maximum as possible.
- Department students will be allowed more in Students' council of the institute in order to enhance their planning and organizing skills.
- Students will participate in Smart India Hackathon event in order to developing practical solutions to work place problems.
- Mental and physical fitness training will be planning for enhancing industry adoptability

Action taken Against the Suggestions of Employer

- Students allowed to make projects and sent to participate in other National Institutes'.
- Student's organised Engineers Day, Vishwakarma Jayanti and Teachers' Day.
- Students participated in Smart India Hackathon event with solution of work place problems.
- Mental and physical fitness training organised through YOGA Day.

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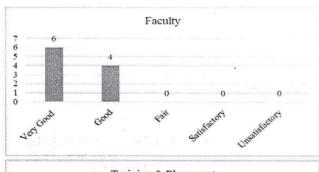
B.E., M.E., Ph.D. Director

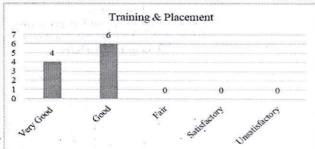
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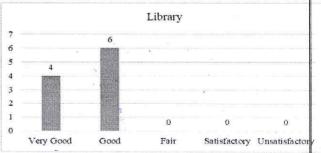
Department of Mechanical Engineering Feedback Analysis & General Suggestions given by Alumni Session 2018-19

| S. No. | Particulars | Average |
|--------|--|---------|
| 1 | Faculty | 4.60 |
| 2 | Project Guidance | 4.40 |
| 3 | Training & Placement | 4.40 |
| 4 | Library | 4.40 |
| 5 | Alumni Association / Network of Old Friends | 4 |
| 6 | How do you rate the courses, included into the programs those are skills related and fulfill the requirements of industry? | 4 |
| 7 | How do you rate the learning experience in terms of their relevance to the real-life application? | 4.40 |
| 8 | How do you rate the courses that you have learnt in relation to your current job? | 4.30 |
| 9 | Graduates will have good fundamental knowledge of Mathematics, Science and Engineering with an ability of analyzing, designing, innovating and developing the products with practical implementation in the industry | 4.10 |
| 10 | Graduates will be competitive enough with ethical behavior, communication skills and leadership qualities to promote the successful professional career working as a team | 4.00 |
| 11 | Graduates will have excellence multi-disciplinary approach being entrepreneur through the holistic environment inculcating an aptitude for research and lifelong learning | 3.90 |





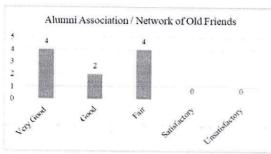


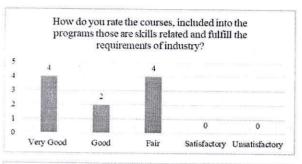


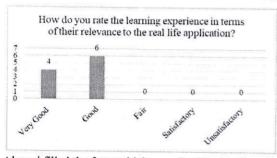
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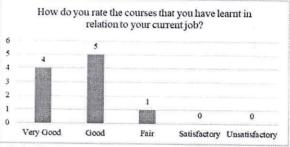
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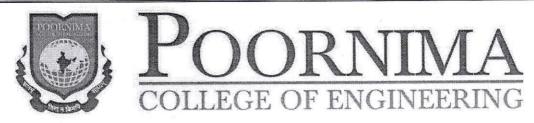




Alumni filled the form which was circulated to them for their feedback and suggestion, this year annual alumni meet organized on Jan. 26, 2019.

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DEPARTMENT OF MECHANICAL ENGINEERING ALUMNI ASSOCIATION Suggestions given by Alumni Session 2018-19

Alumni Feedback Taken

- Alumni sessions on motivational talk and career. Some relaxation should be given to the students on activity day.
- Department training and placement cell should invite the core companies involving alumni of the institute
- Laboratory may be equipped with modern tools; alumni may contribute to support on providing the equipment details used in modern industries.
- Value added courses specially in the field of automobile and manufacturing engineering, robotics may be introduced.
- Every student should have knowledge of CAD/ CAM software (CATIA, PRO-E, ANSYS, Solid works etc., they may be trained for one software in one semester.

Action to be taken Against the Suggestions

- Some alumni may be invited as co-guide external mentor in the student project so that the students project will be more industry focused.
- Communication with alumni will be involved in the department training and placement activities,
- Alumni sessions will be planned on students' development activities.
- There is high need to develop startup culture, so that students can know the benefits of the startup.

Action taken Against the Suggestions of Alumni

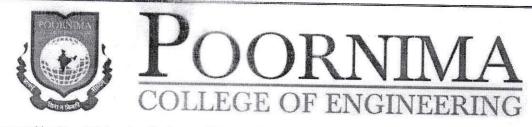
- Motivational sessions on professional and personal life management organised.
- Students got placement in core industry.
- Three-dimensional (3D) printing machine established.
- International and National sessions on Robotics, advanced manufacturing and automobiles on virtual platform conducted.
- CATIA, PRO-E, ANSYS, Solid works software's added in Add on courses.

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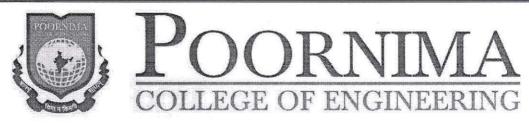
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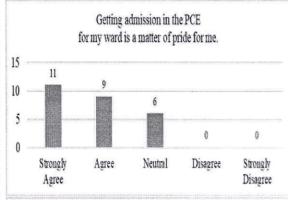
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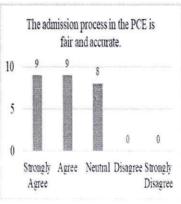
| S. No. | Particulars | Average |
|-----------|---|---------|
| 1 | Getting admission in the PCE for my ward is a matter of pride for me. | 4.40 |
| 2 | The admission process in the PCE is fair and accurate. | 4.60 |
| 3 | My ward is improving his technical knowledge through interaction with faculties of the College. | 4.00 |
| 4 | The Discipline in PCE is Good. | 4.40 |
| 5 | The teaching learning process in the College is Good. | 4 |
| 6 | The behavior of my ward indicates a positive change after joining the college. | 4 |
| 7 | The College information is accessible to all. | 3.80 |
| 8 | Placement of the College is Good. | 4.40 |
| 9 | The College activities incorporate recent changes in the area. | 3.80 |
| 10 | Results of Mid Term Examinations are declared timely. | 4.60 |
| 11 | The College Faculties and Staff are cooperative. | 4.60 |
| 12 | College bus services are good and timely. | 4.00 |
| 13 | Are you satisfied with the processes in direction to achieve the mission of department? | 4.20 |
| 14 | Guest House and Hostel facilities are good and available when needed. | 4.00 |
| 15 | The Food quality and cleanliness in Canteen and Mess is Good. | 4.00 |
| 16 | The changes introduced in the College in recent years are Progressive. | 3.80 |

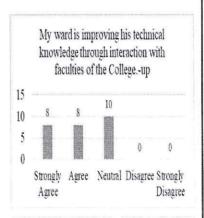
B.E., M.E., Ph.D.

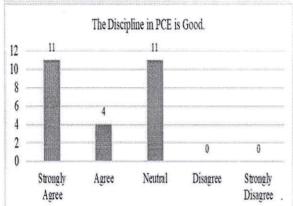
ISI-6, RIICO Institutional Area, Sitapura, Jaipur, Rajasthan 302022 Director
Phone: +91-9829255102 • E-mail: registrar.pce@poorninacoeglico Institutional Area Wébsite: www.pce.poornima.org



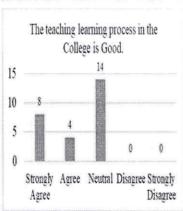


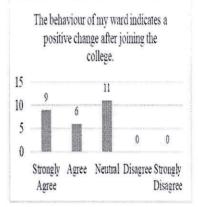






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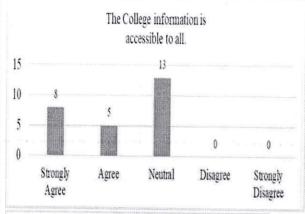


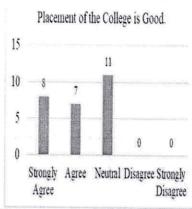
Dr. Manesh Bundele B.E., M.E., Ph.D. Director Poornima College of Engineering 191-6, RIICO Institutional Area Bhapura, JAIPUR

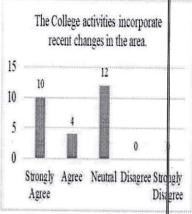


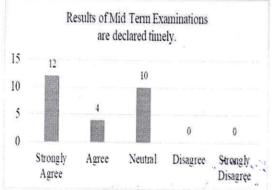
POORNIMA COLLEGE OF ENGINEERING

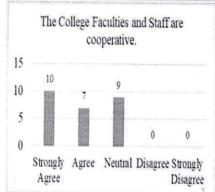
Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

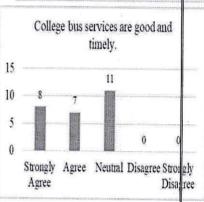


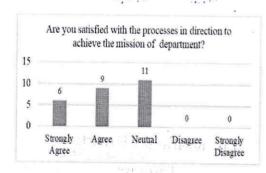


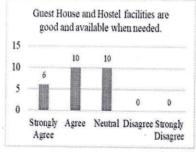


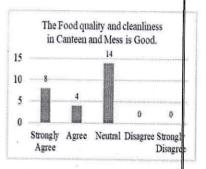


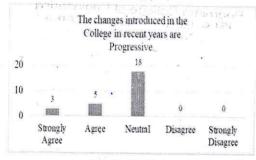












Dr. Mahesh Bundele
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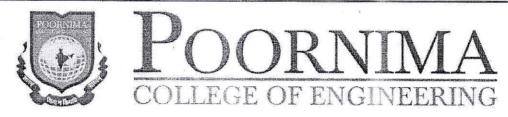


The important suggestions are as follows:

- Many of the parents were happy for the transport facility of the student from entire city.
- Parents were agreed with the good quality of the food in college mess.
- Many of the parents are appreciating the effort of the management for the students.

This feedback is forwarded to authorities for necessary action.

Dr. Mahesh Bundele B.E., M.E., Ph.D. Director Poornima College of Engineering ISI-6, RICO Institutional Area



DEPARTMENT OF MECHANICAL ENGINEERING

Parents Feedback Suggestions given by Parents Session 2018-19

Parents Feedback Taken

- 1. For improvement in general aptitude, reasoning and soft skills, separate classes must be incorporated with the curriculum.
- 2. There is need of Student Support and Progression.
- 3. More focus on Consultancy, Research and Extension to enhance research knowledge in respective subjects.
- 4. Effectively Syllabus coverage greatly helps in academic progress and recruitment.

Action to be taken Against the Suggestions

- 1. More focus on improving communication skills to be taken in lectures and additional workshops to be conducted for the same.
- 2. Student support and grievance cell to be developed in the college.
- 3. There should be more additional courses for learning various interdisciplinary skills and technologies. More technical quizzes, clubs & additional courses should be included.
- 4. Faculty has to make sure that the syllabus was properly covered in the class with provision for revision and extra classes.

Action taken Against the Suggestions of Parents

- 1. Teachers were asked to make sure that students use English for communication. Last 5 minutes of each lecture were scheduled for summarizing the lecture by some student.
- 2. Student coordinators were selected in each section and they along with the tutor were held responsible for solving the student issues.
- 3. Workshops for each year were organized by the department based on design softwares, MATLAB and simulation.
- 4. The department committee monitored the syllabus coverage progress in each subject and suggested changes in the approach to make sure that every subject's syllabus is covered in time.

HOD

Department of Mechanical Engineering

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