

### ALUMNI: SURVEY FORM

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|--|----------------|----------------------------|
| <b>Title of the Program: B. Tech/M. Tech</b> | <b>Branch:</b> | <b>Year of Graduation:</b> |
| <b>Name of the Alumni:</b>                   |                | <b>Designation:</b>        |
| <b>Name of the Employer:</b>                 |                |                            |
| <b>Email:</b>                                |                | <b>Phone Number:</b>       |
| <b>City:</b>                                 | <b>State:</b>  | <b>Country:</b>            |

Dear Alumni,

The curriculum has been designed to ensure the PO and PSO attainment over the four-year duration of the program. Your feedback is solicited in the context of alignment of curriculum with the POs & PSOs for continuous improvement. Please give the score on five-point scale indicating alignment of curriculum with POs & PSOs.

Further, alumni are also requested to give the feedback on the alignment of POs & PSOs with PEOs on the same five-point scale. A copy of the curriculum is attached for your quick reference: [http://www.gmr.it.org/resource\\_center.html](http://www.gmr.it.org/resource_center.html)

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|---------------------|---------------------|----------------|-------------------|----------------|
| <b>5: Excellent</b> | <b>4: Very Good</b> | <b>3: Good</b> | <b>2: Average</b> | <b>1: Poor</b> |
|---------------------|---------------------|----------------|-------------------|----------------|

#### Survey on alignment of curriculum with POs & PSOs:

| S. No.   | Alignment of Curriculum with POs & PSOs ►  | 5 | 4 | 3 | 2 | 1 |
|----------|--|---|---|---|---|---|
|          | POs & PSOs ▼   |   |   |   |   |   |
| <b>a</b> | <b>Engineering Knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.  |   |   |   |   |   |
| <b>b</b> | <b>Problem Analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.   |   |   |   |   |   |
| <b>c</b> | <b>Design/Development of Solutions:</b> 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. |   |   |   |   |   |
| <b>d</b> | <b>Conduct Investigations of Complex Problems:</b> 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                                    |   |   |   |   |   |
| <b>e</b> | <b>Modern Tool Usage:</b> 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.  |   |   |   |   |   |
| <b>f</b> | <b>The Engineer and Society:</b> 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.   |   |   |   |   |   |

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| <b>g</b> | <b>Environment and Sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.   |  |  |  |  |  |
| <b>h</b> | <b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.  |  |  |  |  |  |
| <b>i</b> | <b>Individual and Teamwork:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.  |  |  |  |  |  |
| <b>j</b> | <b>Communication:</b> 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. |  |  |  |  |  |
| <b>k</b> | <b>Project Management and Finance:</b> 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.   |  |  |  |  |  |
| <b>l</b> | <b>Life-long Learning:</b> Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.   |  |  |  |  |  |
| <b>J</b> | <b>PSO1:</b> Demonstrate the knowledge and application of geometric modeling, design, analysis and simulation of mechanical engineering systems  |  |  |  |  |  |
| <b>K</b> | <b>PSO2:</b> Ability to apply the advanced concepts of thermal and manufacturing engineering in solving industry problems  |  |  |  |  |  |

**Survey on alignment of POs & PSOs with PEOs:**

| S. No.   | Alignment of Curriculum with POs & PSOs with PEOs ▶  | 5 | 4 | 3 | 2 | 1 |
|----------|--|---|---|---|---|---|
|          | Programme Educational Objectives (PEOs) ▼  |   |   |   |   |   |
| <b>a</b> | Graduates with ability to solve core engineering problems through continuous self-paced learning in tune with changing technologies  |   |   |   |   |   |
| <b>b</b> | Reinforce engineering skills, critical thinking and problem-solving skills in professional engineering practices and deal with socio-economical, technical and business challenges |   |   |   |   |   |
| <b>c</b> | Nurture professionalism with soft skills, managerial & leadership skills and ethical values.   |   |   |   |   |   |

*Your detailed comments based on your on campus experience*

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**Vision of the Program**

To be a preferred department of learning for students and teachers alike, with dual commitment to Academics & Research, serving students in an atmosphere of innovation and critical thinking

**Mission of the Program**

- To provide an adoptable education for the graduates in preparing them for a rewarding career to develop academics and research in collaboration with industry and other institutions in the field of Mechanical Engineering.
- To prepare the students as thinking professionals and good citizens who will be able to apply their knowledge critically and innovatively in solving contemporary professional and social problems.