



# LEO COLLEGE OF ENGINEERING

Where Knowledge meets Excellence  
(A++ Accredited by NAAC)

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## About Us

Excellence College Of Engineering, Located On Fort Road In LosAngles, Is A Premier Institution Known For Its Commitment To Academic Excellence And Holistic Development Of Students. Established With The Vision Of Nurturing Future Leaders In The Field Of Engineering, The College Offers A Wide Range Of Undergraduate And Postgraduate Programs In Various Disciplines Such As Mechanical Engineering, Computer Science, Electronics, And Civil Engineering. With State-Of-The-Art Infrastructure, Experienced Faculty Members, And A Conducive Learning Environment, Excellence College Of Engineering Strives To Empower Students With The Knowledge, Skills, And Values Required To Succeed In The Dynamic World Of Engineering And Technology.

### Vision

To Be An Organization With Potential For Excellence In Engineering And Management For The Advancement Of Society And Human Kind.

### Mission

- To Excel In Academics, Practical Engineering, Management And To Commence Research Endeavors.
- To Prepare Students For Future Opportunities.
- To Nurture Students With Social And Ethical Responsibilities.

### Core Values

- Academic Enrichment: We Are Committed To Provide Best Quality Teaching To Our Student Community.
- Contribution In Social Development Through Technology And Beyond: We Instill Social And Ethical Values Amongst Our Students And Overall In The College Programmes Through Curricular, Co-Curricular And Extra-Curricular Activities.
- Promotion Of Employment & Entrepreneurial Training: We Are Focused On Promotion Of Both Employment And Entrepreneurial Skills Of Our Students To Gain Competitive Edge.
- Advancement In Research & Managerial Skills: We Emphasize On Developing Research & Management Skills Of Students And Staff Of The College.
- Synergy In Institutional Development: We Work In Synergy For Institutional Development Which Enriches Staff Culture Of Our College.

### Program Outcomes

- Engineering Graduates Will Be Able To:
- Engineering Knowledge:
- Apply The Knowledge Of Mathematics, Science, Engineering Fundamentals, And An Engineering Specialization To The Solution Of Complex Engineering Problems.
- Problem Analysis:
- Identify, Formulate, Review Research Literature, And Analyze Complex Engineering Problems Reaching Substantiated Conclusions Using First Principles Of Mathematics, Natural Sciences, And Engineering Sciences.
- 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.
- 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.
- Modern Tool Usage:
- Create, Select, And Apply Appropriate Techniques, Resources, And Modern Engineering And IT Tools Including Prediction And Modeling To Complex Engineering Activities With An Understanding Of The Limitations.
- 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.
- 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.
- Ethics:
- Apply Ethical Principles And Commit To Professional Ethics And Responsibilities And Norms Of The Engineering Practice.
- Individual And Team Work:
- Function Effectively As An Individual, And As A Member Or Leader In Diverse Teams, And In Multidisciplinary Settings.
- 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.
- 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.

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