| Company:          | Exxonmobil |
|-------------------|------------|
| Company<br>Name : | Exxonmobil |
| Nature Of         |            |
| Business:         |            |
| Designation       | Engineer   |
|                   |            |

Tentative Job Location :

Bangalore

Seeking candidates to work on challenging engineering problems for our upstream business that focus on exploration, development, and production of hydrocarbons through development and application of computational modeling and analysis.

## Responsibilities:

- · Research and develop advanced computational, numerical, or data science tools for solving challenging problems in the oil and gas industry
- $\cdot$  Build computational numerical models and perform simulations using proprietary and vendor tools to provide design guidance necessary to solve business problems
- Work with computational scientists and engineers to develop and deliver computational tools, models, algorithms, and software to support our upstream business
- Design, build, and execute parametric and uncertainty analysis studies using simulation models
- · Create tutorials, documentation, training material, and case studies

## **Description:**

## **Requirements:**

- · Master's degree in one of the following disciplines: Chemical Engineering, Mechanical Engineering, Civil Engineering, Materials Engineering, Aerospace Engineering, Computational and Data Sciences or related disciplines.
- · Experience in developing, applying, and analyzing physics-based models and simulations and developing related algorithms.
- · Excellent communication skills and willingness to work in a collaborative environment is required
- · Programming experience in MATLAB, Python, C, or C++ is an advantage
- · Knowledge of optimization, statistical analysis, or machine learning techniques is an advantage
- Knowledge of general numerical analysis and methods for solving differential equations is an advantage.
- · Knowledge of commercial and open source software packages such as ABAQUS, FLUENT, OpenFOAM is an advantage

|             | Program     | ΑE  | BSBE  | CE  | CHE | CSE | EE | ES  | ME  | MSE | PHY | CHM | MTH | <b>ECO</b> | DES | <b>IME</b> | CGS | HSS | <b>EEM</b> | MSP | NET | PSE | Stats |
|-------------|-------------|-----|-------|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|------------|-----|------------|-----|-----|------------|-----|-----|-----|-------|
|             | BT          | No  | No    | No  | No  | No  | No |     | No  | No  |     |     |     |            |     |            |     |     |            |     |     |     |       |
|             | BS          |     |       |     |     |     |    | No  |     |     | No  | No  | No  | No         |     |            |     |     |            |     |     |     |       |
|             | MT          | Yes | No    | Yes | Yes | No  | No | Yes | Yes | Yes |     |     |     |            |     | Yes        |     |     | No         | Yes | No  | No  |       |
|             | DoubleMajor | No  | No    | No  | No  | No  | No |     | No  | No  | No  | No  | No  | No         |     |            |     |     |            |     |     |     |       |
|             | dual        | Yes | No No | Yes | Yes | No  | No | Yes | Yes | Yes | No  | No  | No  | No         |     |            |     |     |            |     |     |     |       |
| Eligibilty: | dualB       | Yes | No    | Yes | Yes | No  | No |     | Yes | Yes | No  | No  | No  | No         |     | Yes        |     |     | No         |     | No  | No  |       |
|             | dualC       | Yes | No No | Yes | Yes | No  | No | Yes | Yes | Yes | No  | No  | No  | No         | No  | Yes        |     |     |            |     |     |     |       |
|             | Mdes        |     |       |     |     |     |    |     |     |     |     |     |     |            | No  |            |     |     |            |     |     |     |       |
|             | MBA         |     |       |     |     |     |    |     |     |     |     |     |     |            |     | Yes        |     |     |            |     |     |     |       |
|             | Phd         | No  | No    | No  | No  | No  | No | No  | No  | No  | No  | No  | No  | No         | No  | Yes        | No  | No  | No         | No  | No  | No  | No    |
|             | MSc         |     |       |     |     |     |    |     |     |     | No  | No  | No  |            |     |            |     |     |            |     |     |     | No    |
|             | MSR         | Yes | No No | Yes | Yes | No  | No |     | Yes | Yes |     |     |     |            |     |            | No  |     |            |     |     | No  |       |
|             |             |     |       |     |     |     |    |     |     |     |     |     |     |            |     |            |     |     |            |     |     |     |       |

Cost to 11.94 LPA **Company: Package** 11.94 LPA **Details**: Bond: False **CPI CutOff:** 0.0Medical Requirments Resume True **Shortlist:** Resume Shortlist N/A Criteria: **Aptitude** True Test: **Aptitude** 1hr Test **Duration:** Group False Discussion: **Technical** True Test: Technical **Test** 1hr

**Duration:** Technical True Interview: Technical 45min Interview **Duration:** Number of **Techincal** 2 Interview **Rounds:** HR True Interview: HR 30min

Interview

**Duration:** Additional Information: