



## Team members

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# PROBLEM STATEMENT

Learning the concepts of organic chemistry can be a daunting process for high school students. Having clear concepts of basic structures like that of hydrocarbons is essential to have a solid foundation to pursue a career in the same field.

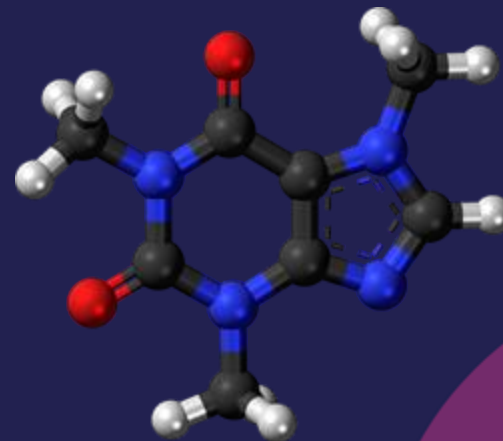
It can also be a tedious task for students, researchers and industrial workers to continuously refer to resources to learn and write down structures of hydrocarbons as per the IUPAC Nomenclature.

## HOW CAN EDUCHEMICAL HELP?

- We aim to provide a simple and easy to use platform for users to obtain structures of straight chain hydrocarbons in just 1 click!
- Users can benefit by understanding basic concepts like systematic nomenclature of organic compounds and visualizing molecular compounds for a better learning experience.
- It is also an offline application, i.e. can work without an internet connection.

# FUTURE PROSPECTS

- Expanding the algorithm to compute for higher order organic compounds like aromatic hydrocarbons.
- Improvising and integrating the code with the FIGMA prototype of UI/UX.
- Providing an educational service to enjoy the process of understanding organic chemistry in depth.



A photograph of laboratory glassware including Erlenmeyer flasks, a beaker, and a multi-well plate, all containing a blue liquid. The image is overlaid with a semi-transparent blue filter. The text "THANK YOU!" is centered in white.

THANK YOU!