



**University of Technology**  
**Department of Chemical Engineering**



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## Graduation Project Proposal Format

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**Advisor: Ebtisam Hussein**

**Co-Advisor:**

**Branch: Chemical process engineering**

**Academic Year: 2014-2015**

**Groups No. : P 17**

**Students Name: Ali Mohammed – Mustafa Dawood**

مصطفى داوود - علي محمد

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**Project Title: Amyl alcohol production**

**Specific objective:** is any of eight alcohols with the formula  $C_5H_{11}OH$  .  
It is used as a solvent and in esterification. It is a colorless liquid with  
density  $0.825 \text{ gm/cm}^3$  and boiling point  $131.6^\circ\text{C}$  . It can be produced  
by many methods such as:

**Chlorination of Pentane.**

**Oxo process of Butene.**

**It can be separated from fusel oil by shaking with strong brine solution.**

**Hydration of amylenes.**

أ. نبيل حسين