

**Energy Engineering Laboratory, 6th Semester, Chemical Engineering
Session - spring 2020.**

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1. To find Heating value of solid Fuels

a. Water Equivalent

<https://www.youtube.com/watch?v=pcnMsSYfKIg>

b. Calorific Value

<https://www.youtube.com/watch?v=9suiA6EWQ18>

<https://www.youtube.com/watch?v=NQB3zga2Yb8>

2. To find the Proximate analysis Parameters (Moisture content, Ash content, volatile matter, Carbon content of a given fuel (Coal) sample.

<https://www.youtube.com/watch?v=qu1v60L1Chk>

3. To determine the CHN/S analysis (by Automatic Elemental Analyzer) of given fuel sample.

<https://www.youtube.com/watch?v=oeVhK06ySYE>

https://www.youtube.com/watch?v=j_UF8F9tNpk

4. To find the Specific Gravity of liquid fuels.

<https://www.youtube.com/watch?v=8vC-lHawMq8>

5. To determine the Flash and Fire point of liquid fuels.

<https://www.youtube.com/watch?v=1QVoaQr9Q0>

6. To determine the Pour Point of liquid fuels

<https://www.youtube.com/watch?v=dO5gq-WPIqg>

7. To determine the Smoke point of liquid fuels.

<https://www.youtube.com/watch?v=f-PRqAO22T8>