

**DEPARTMENT OF CHEMICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Course: CHN-400/PEN-400 (B.Tech. Project)

PROGRESS REPORT

(Period: From 1st October 2020 To 31st October 2020)

Project title: Production of 300000 x C MTPA Dimethyl ether from Biomass

Name of the student : Owaish Kalim

Enrollment No.: 17112052

Contribution/Work done in the project (use separate sheet, if required):

- Read relevant research papers to understand the different methods to produce DME, specifically Direct and Indirect route through syngas and methanol respectively.
- Discussed about the FLEDGED project to convert Biomass to DME which is very recent and currently is in the development phase.
- Conducted a detailed study of the advantages and shortcomings of the FLEDGED Project (uses enhanced sorption process for DME synthesis) to further decide whether or not to proceed with this process.



04/11/2020

(Student's signature with date)

Details of other group members:

S. No.	Name	Enrollment No.
1	Anu Ranjan	17112015
2	Aakash Hirnotia	17112001
3	Samruddhi Mane	17112069
4	-	-

Evaluation of the student by the supervisor:

Performance	Excellent	Very Good	Good	Average	Bad
Please tick any one					

(Supervisor's signature with date)

Supervisor's Name: Prof. Shushil Kumar

[Please get the report forwarded by your supervisor to the B.Tech. Final Year Project Co-ordinators (c.veeramani@ch.iitr.ac.in or shushil@ch.iitr.ac.in) by 5 PM of Nov. 04, 2020]