

- ▶ Team Registration page
- ▶ Administration Approval (Automatic/Manual) page
- ▶ Team leader's Registration Page
- ▶ Individual Registration Page
- ▶ Add / Remove a Team Member/Team Members page
- ▶ Update Team Members Data page
- ▶ Payment and Confirmation page

Judge Account Creation/Registration Page

- ▶ Judge First & Last Name
- ▶ ability to attend the design contest on the date that admin inserted on the system: Yes/No
- ▶ Affiliation
- ▶ Email
- ▶ Phone Numbers
- ▶ Select Task which he/she prefers/able to judge: Task1/Task2/Task3/...
- ▶ T-shirt size
- ▶ Jacket Size
- ▶ Short Bio (Optional)
- ▶ Image upload (optional)
- ▶ Address: Address, City, State, Zip code

Result :

1: Administrator and The Judge will received an email About this registration.

2: Admin approval

3: The judge will receive an email contain his username and password

User Level Access :
Judges

Track Definition Page

- ▶ Track Name (e.g Track 1)
- ▶ Track Description

Add

List Of All Defined Tracks

User Level Access :
Insert/Delete/update by
Administrator

Tasks Definition Page

- ▶ Task Name (e.g. Task 1)
- ▶ Select Track number
- ▶ Task Description
- ▶ Task developed by
- ▶ **Background Information**
- ▶ Problem Statement
- ▶ Design Considerations
- ▶ **Bench-Scale Demonstration**
- ▶ Written Report Requirements
- ▶ Ability to upload and attach files and pictures about the defined task
- ▶ **Evaluation Criteria**
- ▶ Ability to insert internet links about the defined task

Add

List Of All Defined Tasks

User Level Access :
Insert/Delete/update by
Administrator

Define Evaluation Criteria page

- ▶ Select the Task
- ▶ Insert First Item for Evaluation
- ▶ Insert Points related the defined item
- ▶ Insert Coefficient related the defined item

Add this item

List Of All Items and points and coefficient for this Task

User Level Access :
Insert/Delete/update by
Administrator

Sponsors Registration Page

- ▶ Sponsor's Organization Name
- ▶ Description
- ▶ Coordinator Full Name
- ▶ Phone Numbers
- ▶ Email
- ▶ Mailing Address

Result :

1: Administrator and The Sponsor's Coordinator will received an email About this registration.

2: Admin approval

3: The Sponsor's Coordinator will receive an email contain his username and password

User Level Access :
Insert/Delete/update by
Sponsor's Coordinators

Experimental Safety Plan



Experiment
Scope
(Upload File)

Drawing of the
Experimental
Layout
including
P&ID
(Upload File)

Normal
Operations,
Startup and
Shutdown
Procedures
(Upload File)

Emergency
Shutdown
Procedure
(Upload File)

Waste
Management
Procedure
(Upload File)

Hazard
Identification
(Upload File)

Material
Safety Data
Sheets
(Upload File)

User Level Access :
Insert/Delete/update by
Team Leaders

Insert / Update Experiment Scope

- ▶ Provide a concise description of the laboratory experiment to be undertaken.
- ▶ 1. Explain why the work is being performed, the goal(s) of the experimental program
- ▶ a. If this is an update/revision of previous ESP describe all changes
- ▶ 2. Provide the stoichiometry of any chemical reactions and their heats of reaction
- ▶ 3. Demonstrate the inherent thermal safety of your experiment through calculation or through the use of accelerating rate calorimetry data.
- ▶ <https://chme.nmsu.edu/research/ehs/experimental-safety-plan-esp/esp-energetics-calculation/>)
- ▶ 4. Include a complete list of all chemicals (reactants and products) involved in the work.
- ▶ 5. Include a complete list of all equipment (e.g. autoclave, centrifuge, pump, heat bath etc.) involved in this work
- ▶ 6. Include a timeline for this experiment including setup, sample runtime(s) and teardown

User Level Access :
Insert/Delete/update by
Team Leaders

Insert / Update Drawing of the Experimental Layout including P&ID

- ▶ *Provide a detailed drawing of the experiment including P&ID's showing all inputs and outputs for equipment..*

User Level Access :
Insert/Delete/update by
Team Leaders

Insert / Update Drawing of the Experimental Layout including P&ID

- ▶ *Provide a step-wise procedure that describes in detail how the work will be performed. The procedure should begin and end with the equipment in the normal idle (inoperative) state.*
- ▶ *Include a statement of the required PPE at the beginning of the procedure, and at every location in the procedure where the PPE requirements change.*
- ▶ *Include details of how you will meet the required elements of your chosen task (e.g. run time, run rate, sample rate etc.)*
- ▶ *Indicate where hazardous feedstock chemicals will be stored, how they will be transported to the location of the experimental work, how they will be transferred from storage vial into the experimental apparatus, and how they will be returned to storage.*
- ▶ *Fill out the Take into account those items for which you indicate “yes” on the NMSU Lab Hazard Assessment Checklist, which is found at the end of this document..*

User Level Access :
Insert/Delete/update by
Team Leaders

Experimental Safety Plan

User Level Access :
Insert/Delete/update by
Safety Administrator

Phase1

- Comment 1 about Experimental Scope
- Comment 2 about Hazard Identification
- Comment 3 about Material Safety Data Sheets

Phase 2

- Comment 1 about Experimental Scope
- Comment 2 about Hazard Identification
- Comment 3 about Material Safety Data Sheets

Phase 3

- Comment 1 about Experimental Scope
- Comment 2 about Hazard Identification
- Comment 3 about Material Safety Data Sheets

Phase 4

- Comment 1 about Experimental Scope
- Comment 2 about Hazard Identification
- Comment 3 about Material Safety Data Sheets