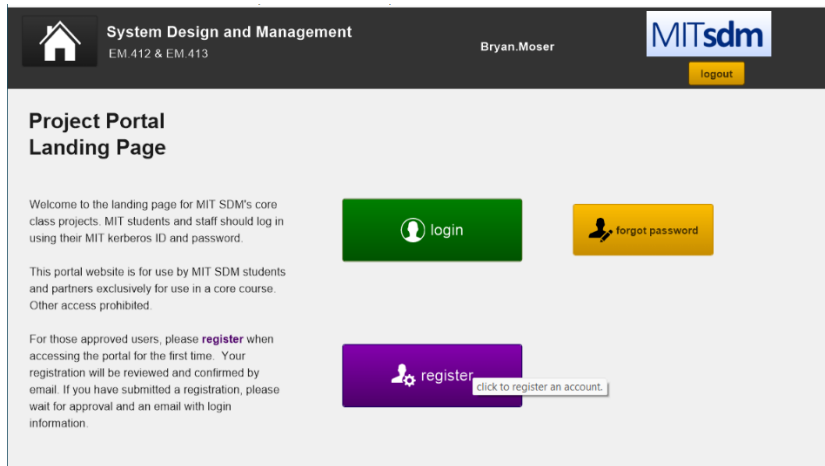


An online Projects Portal will be used to gather information, allow partners and students to review proposed projects, and for students to vote and form teams. **MIT students and staff have access to this portal using their MIT Kerberos ID and passwords.** They do not need to register, but if unable to access please send an email to sdm-teamproject@mit.edu.

Potential Partners from outside MIT must request registration first then login to submit proposed project summaries.

Start by visiting <https://sdm.mit.edu/projects> and clicking the purple Registration button.



A registration form will appear. In most cases your organization will already have an entry, shown in the list on the right. Set the organization by clicking the left arrow. If your organization does not appear, please add it by clicking the light blue button in the upper right corner.

The screenshot shows the 'Project Portal Registration' form. The header is identical to the landing page. The form includes fields for 'Organization' (pre-filled with 'MIT SDM'), 'First Name', 'Last Name', 'Title', 'Email', and 'Preferred Username'. A 'cancel' button is on the left and a 'submit' button is on the right. On the right side, there is a list of organizations with left-pointing arrows. A tooltip over the 'MIT SDM' entry says 'click to set to this organization'. Above the list is a '+ add partner' button. A note above the list says: 'Scroll and select below by clicking right arrow, or if not yet listed please add a new organization with the plus button on the'.

Organization
Keio Photonics Research Institute
Lawrence Livermore National Lab
Liberty Mutual
Lockheed Martin
Marine, Port, Air National Labs
Massachusetts General Hospital
Mayo Clinic
Medical College of Wisconsin
Medvace
Mentech Innovation
MIT Center for Additive & Digital Advanced
MIT Institute for Soldier Nanotechnologies
MIT linQ - Catalyst
MIT Mechanosynthesis Group
MIT SDM
click to set to this organization
Mitsubishi Heavy Industries
Mitsui OSK Lines
Modo Labs
MTN
Mutual of Omaha
Nakashima Propeller

Complete the requested information and click Submit.

System Design and Management
EM.412 & EM.413

Bryan Moser

MITsdm

logout

Project Portal Registration

MIT SDM students do not need to register here. Those outside MIT SDM who wish to propose project topics can request an account for access here.

Scroll and select below by clicking right arrow, or if not yet listed please add a new organization with the plus button on the

+ add partner

Organization MIT SDM

First Name Sue

Last Name Smith

Title Sr. Research Engineering

Email ssmith@mycompany.com

Preferred Username Sue.Smith

cancel

submit

Click to submit and request registration.

- Marine, Port, Air National Labs
- Massachusetts General Hospital
- Mayo Clinic
- Medical College of Wisconsin
- Medvive
- Mentech Innovation
- MIT Center for Additive & Digital Advanced
- MIT Institute for Soldier Nanotechnologies
- MIT linQ - Catalyst
- MIT Mechanosynthesis Group
- MIT SDM**
- MITRE
- Mitsubishi Heavy Industries
- Mitsui OSK Lines
- Modo Labs
- MTN

After the request is reviewed by MIT staff, an account will be created, and initial username and password will be sent by email. This may take up to 1 day. Please use this information now to log in at <https://sdm.mit.edu/projects>

After logging in, the home page of the Project Portal will now be shown, with a Partners and Projects button. Your username and organization will also be shown in the header of the page. The details of your account can be edited, and a yellow logout button is in the upper left.

System Design and Management
EM.412 & EM.413

Sue Smith
MIT SDM

Account

Change Account

MITsdm

logout

Project Portal

Partners

Projects

Spring 2024

Jointly offered by MIT's School of Engineering and the Sloan School of Management, a System Design and Management (SDM) master's educates mid-career professionals to lead effectively and creatively. SDM fellows leverage systems thinking to solve large-scale, complex challenges in product design, development, and innovation.

As part of the integrated core curriculum, students are engaged in **integrative team-based projects** for the spring semester. In these projects teams dive deeply into a complex challenge requiring the design and management of a particular technologically enabled system.

Each project covers the stakeholder context, systems architecture, systems engineering and program management aspects of possible solutions, delivering an in-depth analysis and executive level presentation with key decisions and recommendations.

To review your organization’s Partner page, and to create and edit project proposals, please visit the Sponsors page. A list of this year’s candidate partners will be shown.

Name	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Chevron	✓	✓ 1	✓							
ClassNK	✓	✓ 1	✓	✓	✓	✓	✓	✓	✓	✓
Danfoss	✓		✓	✓	✓					
IHI (Ishiwakajima Heavy Ind.)	✓	✓ 1		✓						
John Deere	✓	✓ 1			✓				✓	✓
JR Central	✓									
Mayo Clinic	✓	✓ 1								
MIT SDM	✓ 1			✓	✓	✓	✓	✓	✓	✓
MITRE	✓ 1	✓	✓	✓		✓	✓	✓	✓	✓
OceanTechnologies	✓									

For your organization there will be an edit button to the left of the Partner name. In this example the partner is MIT SDM.

By clicking on the edit button, the partner page is shown. Please check the name, URL, and logo for your organization. Also, your name should now appear as a Mentor in the list on the lower left, and any already existing projects should be shown in the lower right. TO add a new candidate project, please click the black button on the middle right.

Partner | 1 | Partner List | MITsdm | logout

Organization Name: MIT SDM | 2024: ✓ | 2023: | 2022: | 2021: ✓ | 2020: ✓ | 2019: ✓ | 2018: ✓ | 2017: ✓ | 2016: ✓ | 2015: ✓

URL: http://sdm.mit.edu | the company or organization outside MIT?

Contact Person for Partner: 171

Mentors:

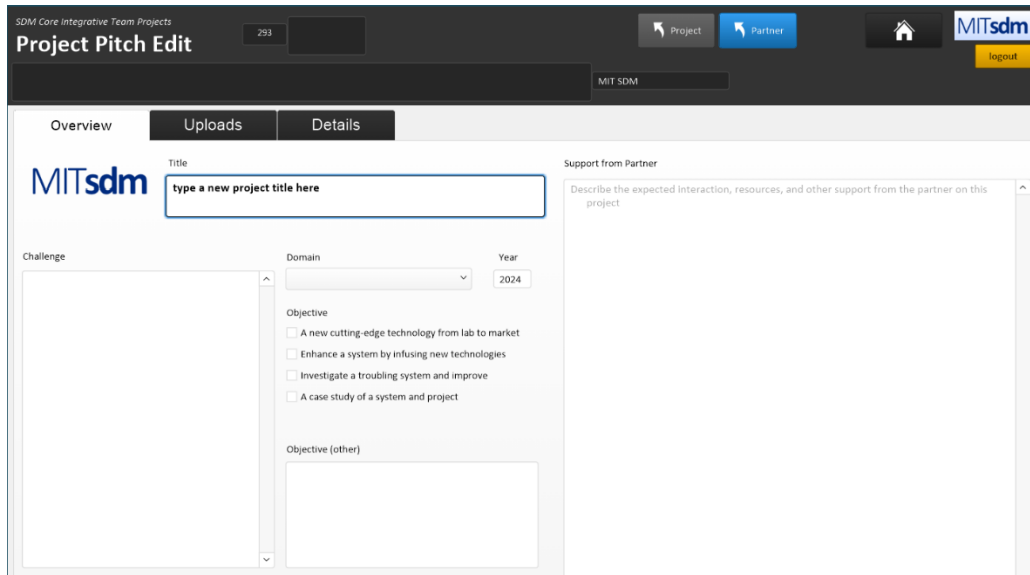
- 114 Bryan Moser
- 4 Bruce Cameron
- 6 Jim Lyneis
- 64 George Lordos
- 87 Ed Crawley
- 112 Eric Rebentisch
- 146 Joan Rubin
- 335 Ignacio Vazquez
- 336 Sue Smith

Projects Proposed:

- 292 Sample Project | 2024 | Add a new pi

The **Project Pitch Edit** page has three tabs: Overview, Uploads, and Details.

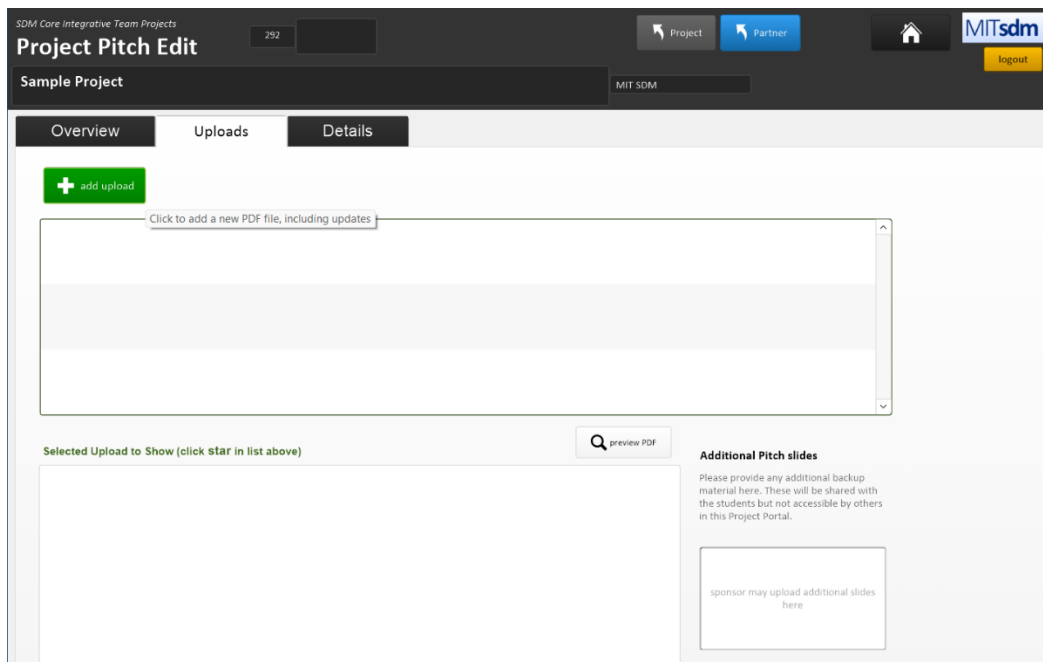
Please type in a high level description and support information on the Overview tab. This information can be the same as on the 1-page template.



The screenshot shows the 'Project Pitch Edit' page in the 'Overview' tab. The page header includes 'SDM Core Integrative Team Projects', 'Project Pitch Edit', and a user profile 'MIT SDM'. Navigation buttons for 'Project' and 'Partner' are visible. The main content area has three tabs: 'Overview', 'Uploads', and 'Details'. The 'Overview' tab is active and contains the following fields:

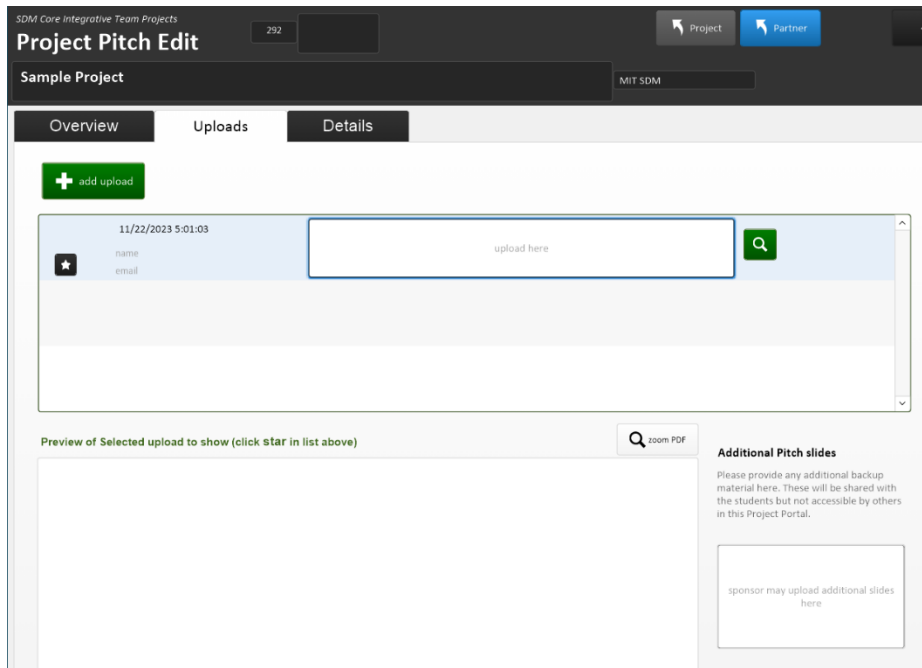
- Title:** A text input field with the placeholder 'type a new project title here'.
- Support from Partner:** A text area with the placeholder 'Describe the expected interaction, resources, and other support from the partner on this project'.
- Challenge:** A large text area for describing the challenge.
- Domain:** A dropdown menu.
- Year:** A dropdown menu set to '2024'.
- Objective:** A list of checkboxes with the following options:
 - A new cutting-edge technology from lab to market
 - Enhance a system by infusing new technologies
 - Investigate a troubling system and improve
 - A case study of a system and project
- Objective (other):** A text input field.

The 1 page project proposal, based on the 2024 Template in Powerpoint, should be uploaded as a PDF file on the Upload tab.

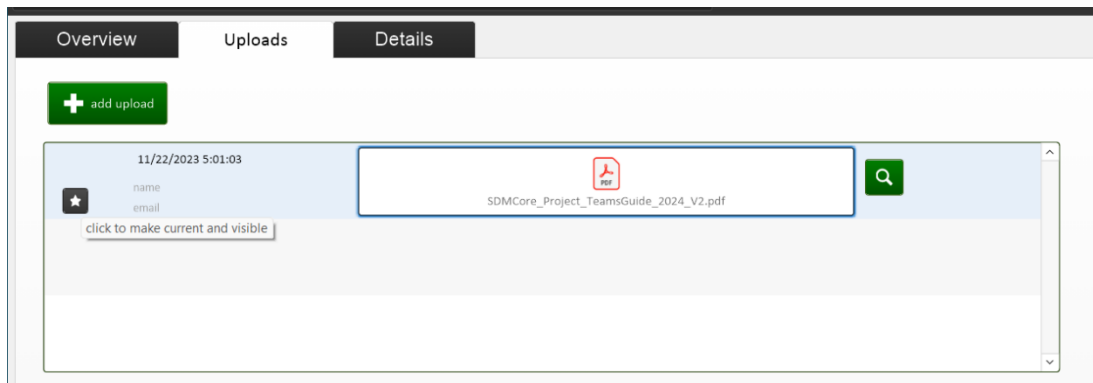


The screenshot shows the 'Project Pitch Edit' page in the 'Uploads' tab. The page header is the same as the previous screenshot. The 'Uploads' tab is active and contains the following elements:

- + add upload:** A green button to add a new upload.
- Click to add a new PDF file, including updates:** A large text area for uploading a PDF file.
- Selected Upload to Show (click star in list above):** A section for displaying uploaded files.
- preview PDF:** A button to preview the uploaded PDF.
- Additional Pitch slides:** A section for providing additional backup material, with a text area containing the placeholder 'sponsor may upload additional slides here'.



Click the add upload green button and a new row in the table will be added. The PDF file can be dragged and dropped, or uploaded by right clicking in the empty field.



Over time, multiple versions can be uploaded and the most recent version selected to be shown. The students and others will only see the upload that is selected, by clicking the star tbutton, which then turns green. A preview can be seen below the table of uploads.

The screenshot displays the 'Project Pitch Edit' interface for a 'Sample Project' on the MIT SDM portal. The top navigation bar includes 'Project' and 'Partner' buttons, a home icon, and the MITSDM logo with a 'logout' button. The main content area is divided into three tabs: 'Overview', 'Uploads', and 'Details'. The 'Uploads' tab is active, showing a list of files with a search icon and a 'zoom PDF' button. The first upload is 'MIT-SDM-Proposal-Template-2024.pdf' (11/22/2023 5:20:18) and the second is 'SDMCore_Project_TeamsGuide_2024_V2.pdf' (11/22/2023 5:01:03). Below the list is a 'Preview of Selected upload to show (click star in list above)' section. The preview shows a PDF slide with a 'Logo' field, 'Project Name/Title', and 'MITSDM Spring Team Project' branding. The slide content includes sections for 'Challenge Summary' (with bullet points for keywords and introduction) and 'Illustration' (with bullet points for technology, operations, use case, etc.). To the right of the preview is an 'Additional Pitch slides' section with a text box for uploading additional slides.

Now that the Project proposal PDF has been uploaded and selected to be shown, others including students can see the 1 pager, but visit the Projects page from the Home Page.

Students will not have access to the emerging list until after December 15. Meanwhile, as projects are created and 1 pager summaries are uploaded, SDM instructors will review and provide feedback. Feel free to continue to update, as late as January 5.