

INFT 3000**CAPSTONE****NSCC FLL/ROV WEBSITE REQUIREMENTS****Prerequisites**

- A meeting will be held with the client to choose the final prototype to work from.

Summary

The site will provide users with general information regarding the junior high FLL and high school ROV competitions hosted by NSCC. Users will be able to download various PDF forms required for participation as well as email specific campuses via form submission with any questions about the competitions. Users will also be able to register for the ROV competitions via the site and this information will be stored in a database to be accessed later by the competition coordinator.

General Requirements**REQ-001 SITE CREATION/STRUCTURE(HIGH)**

The site will be split into two sections (FLL and ROV). The user will arrive at a landing page and be given the option to choose FLL or ROV. Each side will be one page scrolling and will have the following:

- | | |
|---|--------------------------------|
| - Sticky header | - Form download section |
| - Slideshow of pictures (past competitions) | - Registration form (ROV ONLY) |
| - General competition information | - Contact form |
| - Timeline of the season | - Footer |

Design Requirements**REQ-002 SITE DESIGN(HIGH)**

The site will be NSCC branded, using same colors and fonts. Client will provide pictures from past competitions and stock images free for use for ROV and FLL branding. The feel for the site should be modern and techy. The client has given creative license aside from the requests listed above.

REQ-003 SITE CONTENT IMAGES (HIGH)

Client will provide professional images from past competitions for slideshows. Client has also provided links for FLL and ROV stock images that are free for use and can be displayed throughout the site.

Development Requirements**REQ-004 LANDING PAGE (HIGH)**

Page will be separated vertically to direct users left for junior high FLL site, and right for high school ROV site. It is important to create a clear separation, as the competitions have nothing to do with each other.

REQ-005 STICKY HEADER (HIGH)

Header, per site (FLL or ROV) clicked from landing page, will remain at the top while scrolling. The header will have links to sections in appropriate site to navigate easily. The header items will include: Home, Information, Forms, Registration (ROV ONLY) and Contact.

REQ-006 SLIDESHOW (MED)

An interactive slideshow (carousel) of past competition images will be displayed at top of both sections and rotate on a timer. [\(see REQ-003\)](#)

REQ-007 GENERAL INFORMATION (HIGH)

Each side of the website will have general information about the competition to inform teachers and parents as well as get students interested in the program. Client will provide the information to display.

REQ-008 TIMELINE OF SEASON (HIGH)

Within the FLL site, a vertical timeline (blip style) will show important dates over the season. (ie. registration opens, forms due for volunteers, etc.). This will be similar to the NSCC academic calendar but displayed in a more appealing way.

REQ-009 FORM DOWNLOADS (HIGH)

The site will have links to view and download the required forms. When clicked, the selected form will open for viewing in a new tab. The option for downloading or printing the form will be present on the page.

REQ-0010 REGISTRATION FORM – ROV ONLY (HIGH)

Users will enter their information to register for teams. The information will be validated for errors and for security [\(see REQ-015\)](#). Once the information has been validated it will be stored in the database.

REQ-0011 CONTACT FORM (MED)

On both sites, a contact form section will have input fields, and drop down lists (to choose the campus you would like to contact). When the form submits, it will email to the main contact chosen via the campus choice. The information will be validated for errors and for security [\(see REQ-015\)](#).

REQ-0012 COPYRIGHT INFORMATION (HIGH)

The site will have a footer area that will have links to content displaying copyright information in regards to the content on the site.

REQ-0013 ADMIN LOGIN PAGE – ROV ONLY(HIGH)

A login screen that prompts for the username and password will be presented when a user tries to access the Back-end website. The information will be validated for errors and for security ([see REQ-015](#)). Only users defined in the database will be able to login to the back-end site and once they do a logout button will be presented on every page that will return them to the login page. If login fails, user will see an error message, and remain on login page.

REQ-0014 ADMIN BACKEND – ROV ONLY (HIGH)

Page will display all information from users that have submitted a registration form ([see REQ-010](#)) and have the option to export into an excel spreadsheet the admin can download. The information displayed will not be editable in the database, but records can be deleted year to year to accommodate new participants.

REQ-0015 SANITIZING USER INPUT (HIGH)

All user input will be validated before form submission is sent to database, as well as in plain text email. A recaptcha will also be added to all forms to prevent spamming.

Technical Requirements**REQ-0016 DOMAIN REGISTRATION/WEBSITE HOSTING (HIGH)**

The client is meeting with their Marketing department to see if hosting and a domain name can be provided through company. If this is not a possibility they will be looking into their budget and we will provide assistance in obtaining a domain name and hosting.

Training Requirements**REQ-0017 CLIENT TRAINING (HIGH)**

The client will be trained on how to log in to see the users who have registered and how to download that information. The client will also be shown how and where in the html file(s) to change site content as needed.

REQ-0018 CONTENT MANAGEMENT GUIDE (LOW)

A step-by-step guide document will be made. The document will show the client how to update the original content or to add new content on the site such as pictures, descriptions, and contact information. Screenshots will be added to show the client where to go in the code to make these changes.