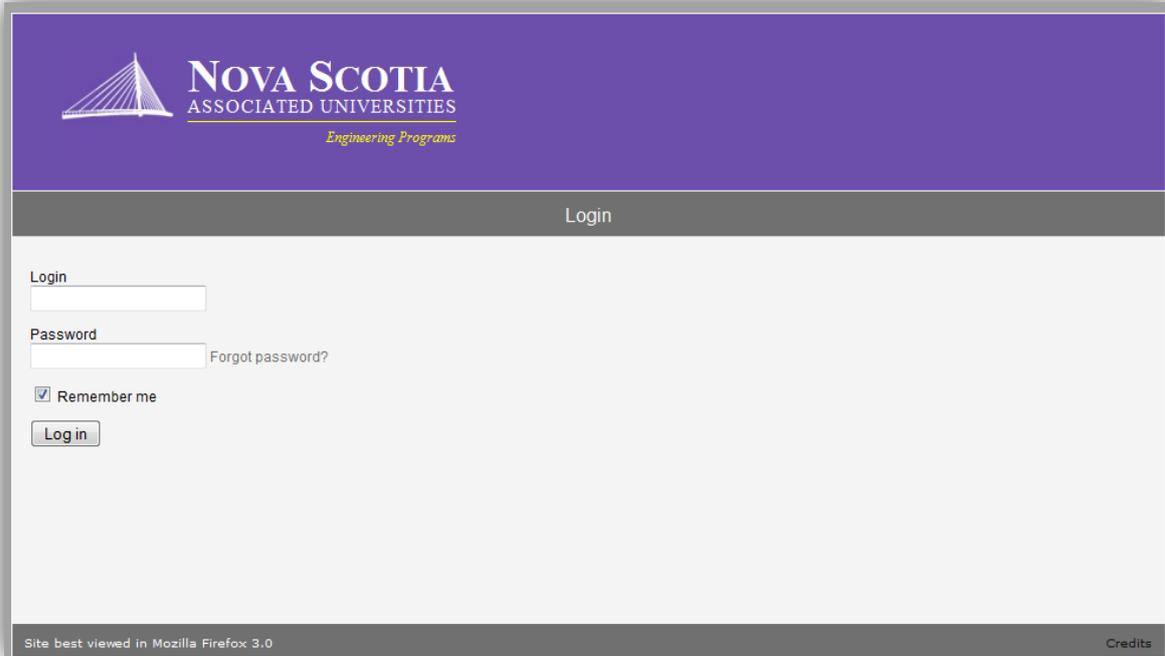


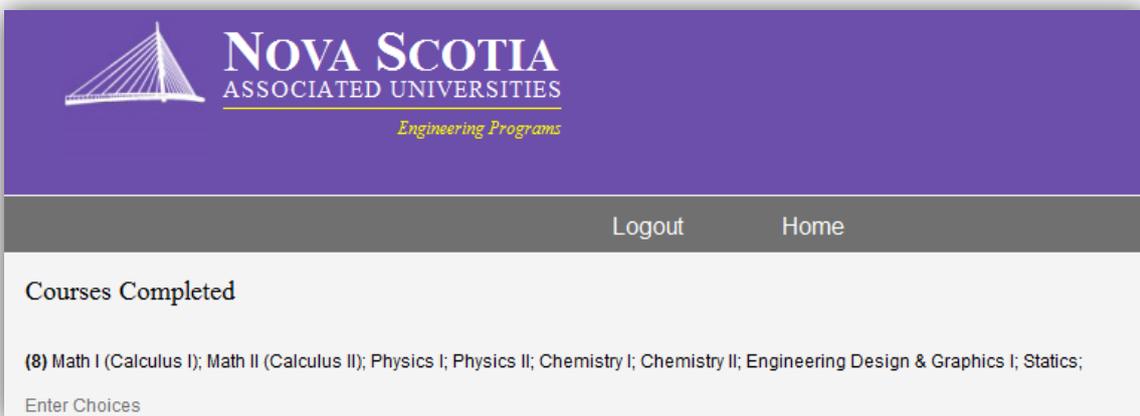
## Login screen



The screenshot shows the login interface for Nova Scotia Associated Universities Engineering Programs. The header features the university's logo and name. Below the header is a dark grey bar with the word "Login" centered. The main content area is white and contains a login form with fields for "Login" and "Password", a "Forgot password?" link, a "Remember me" checkbox, and a "Log in" button. At the bottom, there is a footer with the text "Site best viewed in Mozilla Firefox 3.0" on the left and "Credits" on the right.

Fig 2: Here any user can login with his login credentials. Depending on the type of user, he is redirected to the corresponding page.

## Student's Dashboard



The screenshot displays a student's dashboard. The header is identical to the login screen. Below the header is a dark grey bar with "Logout" and "Home" links. The main content area is white and features a section titled "Courses Completed". Below this title, it lists "(8) Math I (Calculus I); Math II (Calculus II); Physics I; Physics II; Chemistry I; Chemistry II; Engineering Design & Graphics I; Statics;". At the bottom of this section is a link labeled "Enter Choices".

Fig 3: After signing in, a student can see the courses he has completed. Here he sees that he has completed in total 8 courses and the names of courses are given afterwards. Student may click on "Enter Choices" to enter his choices for engineering programs.

### Student's Choices:

Choices	Courses			
	Discipline	Courses Completed	Compulsory Courses Left	Optional Courses Left
First Choice CIVL Second Choice MECH Third Choice MINR Fourth Choice CHEE Fifth Choice ELEC <input type="button" value="Submit Choices"/>	BIOE	(8) Math I (Calculus I); Math II (Calculus II); Physics I; Physics II; Chemistry I; Chemistry II; Engineering Design & Graphics I; Statics;	(14) Programming; Writing I; Writing II; Humanities I; Probability & Statistics; Differential Equations; Electric Circuits; Engineering Economics; Mechanics of Materials; Fluid Mechanics; Dynamics; Biology 1; Biology 2; Organic Chemistry;	No courses left.
	ELEC	(8) Math I (Calculus I); Math II (Calculus II); Physics I; Physics II; Chemistry I; Chemistry II; Engineering Design & Graphics I; Statics;	(12) Programming; Writing I; Writing II; Probability & Statistics; Differential Equations; Linear Algebra; Electric Circuits; Thermodynamics I; Data Structures; Digital Circuits; Circuit Analysis; Technical Communications;	(1) Math IVA; Math IVB; (2) Design 2 (Mechanical); Design 2 (Electrical);
	CHEE	(8) Math I (Calculus I); Math II (Calculus II); Physics I; Physics II; Chemistry I; Chemistry II; Engineering Design & Graphics I; Statics;	(13) Programming; Writing I; Writing II; Humanities I; Probability & Statistics; Differential Equations; Electric Circuits; Thermodynamics I; Fluid Mechanics; Fund. of Environmental Eng; Fund. of Chemical Eng; Industrial Chemistry; Organic Chemistry;	(1) Math IVA; Math IVB;
	CIVL	(8) Math I (Calculus I); Math II (Calculus II); Physics I; Physics II; Chemistry I; Chemistry II; Engineering Design & Graphics I; Statics;	(13) Programming; Writing I; Writing II; Humanities I; Probability & Statistics; Differential Equations; Electric Circuits; Thermodynamics I; Engineering Economics; Technical Communications; Mechanics of Materials; Fluid Mechanics; Dynamics;	(1) Math IVA; Math IVB;
	COMP	(8) Math I (Calculus I); Math II (Calculus II); Physics I; Physics II; Chemistry I; Chemistry II; Engineering Design & Graphics I; Statics;	(12) Programming; Writing I; Writing II; Probability & Statistics; Differential Equations; Linear Algebra; Electric Circuits; Thermodynamics I; Data Structures; Systems Analysis; Digital Circuits; Circuit Analysis;	(1) Math IVA; Math IVB; (2) Design 2 (Mechanical); Design 2 (Electrical);
	ENVE	(8) Math I (Calculus I); Math II (Calculus II); Physics I; Physics II; Chemistry I; Chemistry II; Engineering Design & Graphics I; Statics;	(13) Programming; Writing I; Writing II; Humanities I; Probability & Statistics; Differential Equations; Electric Circuits; Engineering Economics; Fluid Mechanics; Biology 1; Biology 2; Geology 1; Organic Chemistry;	(1) Geology 2; Environmental Science Elec;
	IENG	(8) Math I (Calculus I); Math II (Calculus II); Physics I; Physics II; Chemistry I; Chemistry II; Engineering Design &	(9) Programming; Writing I; Writing II; Probability & Statistics; Differential Equations; Electric Circuits; Engineering Economics; Technical Communications;	(1) Math IVA; Math IVB; (2) Thermodynamics I; Fluid Mechanics; Dynamics; Digital Circuits;

Fig 4: Here on the left part of the screen student can enter his choices for the engineering programs in order of his priority. On the right of the screen, he can see for each engineering program how many courses he has completed, how many compulsory courses are left and how many optional courses are left. In the optional courses column, courses in same color represents a group of courses and the number in brackets that precedes it denotes the no. of courses left in the group.

### Change Password

**Change your password**

Old Password:

New Password:

Confirm new password:

Fig 5: This is a screen where any user can change his password.

## Program Coordinator's Dashboard

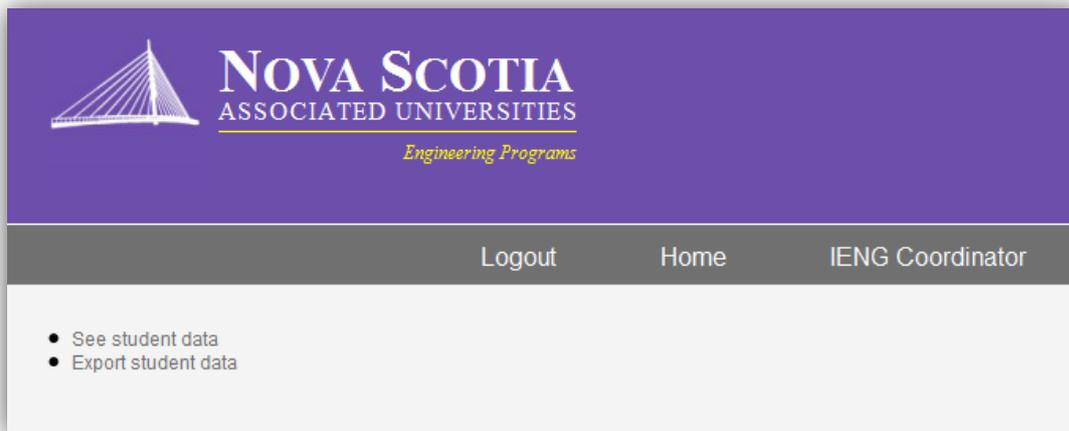


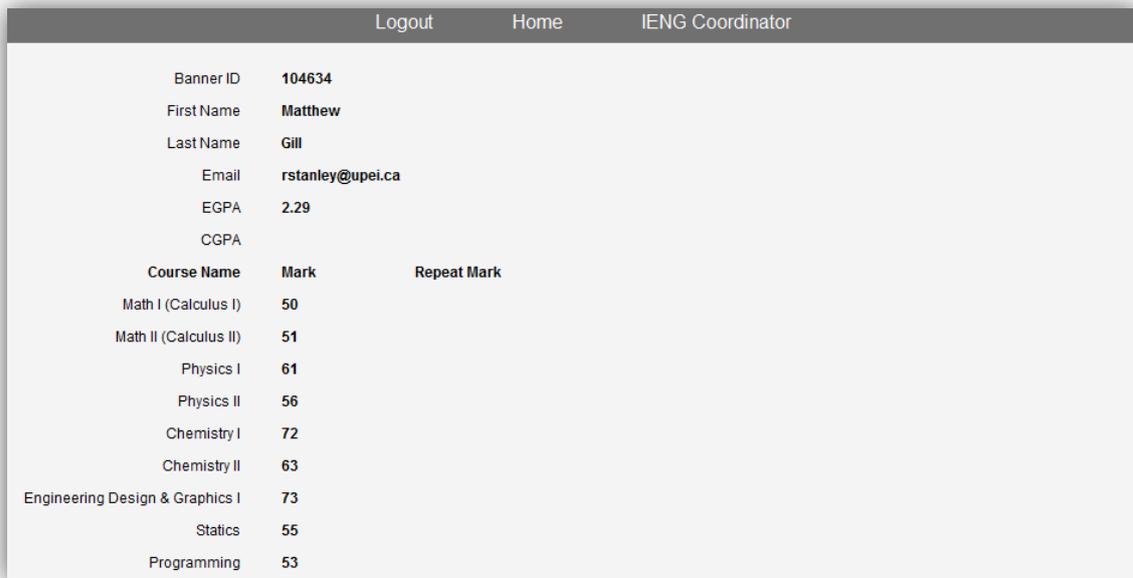
Fig 6: For Each Program Coordinator, there is a separate dashboard. This figure represents dashboard of an Industrial Engineering Program Coordinator. Note that the menu items are user sensitive and new menu items appear depending upon the user. A program coordinator can see data of students placed in his discipline. Also he can export the existing data in excel format so that he may use the data for different analyses present in MS-Excel.

## Student Data

Banner ID	First Name	Last Name	Email	CGPA	EGPA	Place	Deficiencies
10	Megan	Barteaux	engineering@acadiau.ca		3.81	IENG	0
100201	Luke	Carmichael	luke_carmichael99@hotmail.com		4.15	IENG	0
102	Tao	Wu	engineering@acadiau.ca		3.31	IENG	0
104605	Lucas	Ramsay	rstanley@upei.ca		3.77	IENG	4
104634	Matthew	Gill	rstanley@upei.ca		2.29	IENG	6
20060040	David	Southall	davesouthall@hotmail.com		3.29	IENG	9
200701195	Timothy	MacIsaac	eogujio@stfx.ca		1.92	IENG	7
200705748	Liana	Weiler	eogujio@stfx.ca		1.73	IENG	4
200705754	Robert	Doucette	eogujio@stfx.ca		3.3	IENG	0
32	Qinghua	Feng	engineering@acadiau.ca		3.86	IENG	0
506226	Amy	Thomas			2.97	IENG	14
56568	Thomas	Dale	tdrolin@hotmail.com		1.99	IENG	3
57887	Andrew	Lynds	lyndsa@nsac.ca		4.06	IENG	0
57918	Matthew	Richards	richardsm@nsac.ca		4.12	IENG	0
61	Mark	Metcalfe	engineering@acadiau.ca		2.9	IENG	0
80	Toru	Sakashita	engineering@acadiau.ca		2.32	IENG	0
97724	Mandy	McKenna	rstanley@upei.ca		3.72	IENG	0
99412	Seyed Ahmad	Sadegh Samimi	nima.samimi@yahoo.com		3.09	IENG	2
A00068176	Ahmed	Al Lahham	ahmedalahham@hotmail.com		1.35	IENG	0
A00263113	Kyle	Bateman	kylebateman@gmail.com		2.33	IENG	1

Fig 7: Here the program coordinator can see data of Students briefly. Clicking the banner ID opens a new tab for viewing student data in details.

## Student Details for Program Coordinators



Course Name	Mark	Repeat Mark
Math I (Calculus I)	50	
Math II (Calculus II)	51	
Physics I	61	
Physics II	56	
Chemistry I	72	
Chemistry II	63	
Engineering Design & Graphics I	73	
Statics	55	
Programming	53	

Fig 8: Here the program coordinator can see details of a student including his marks in different courses.

## Export Student Data for Program Coordinators

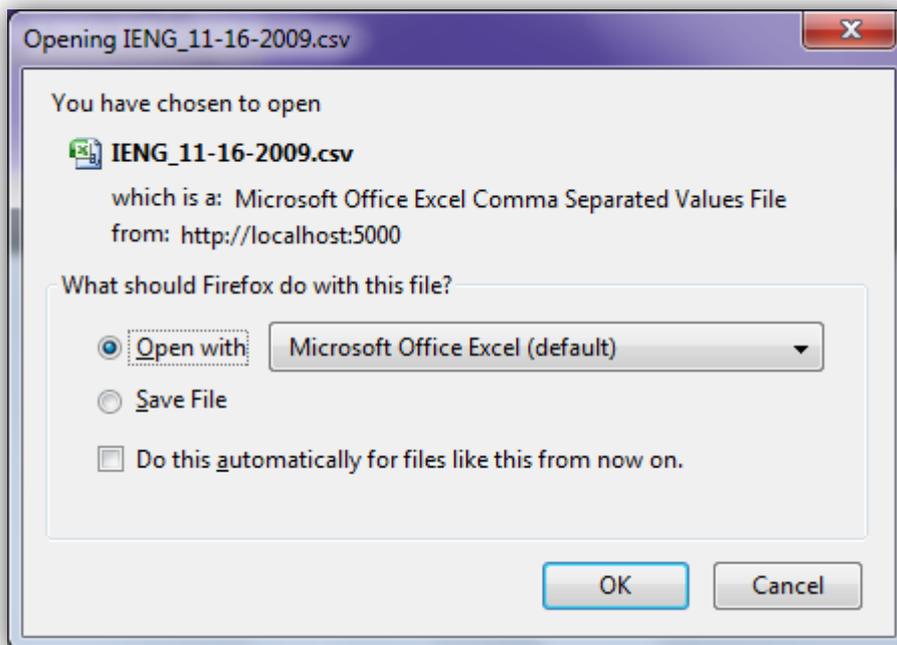


Fig 9: This figure shows student data download screen. By clicking on export student data link on the dashboard, the program coordinator can download the data in Excel format to do further analysis with the data

## AU Director’s Dashboard

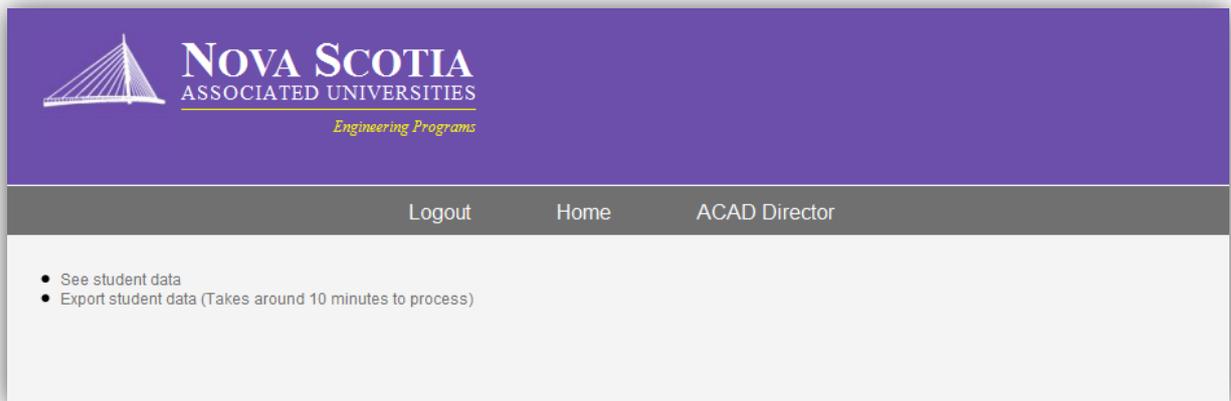


Fig 10: This shows AU Director’s Dashboard. Here again for an AU Director’s dashboard, see student data and export student data options are present. See student data screen is same as Program Director’s see student data screen. But as an AU director has got the privilege of editing student’s records, the student details screen is different.

## Student Details Screen for AU Directors

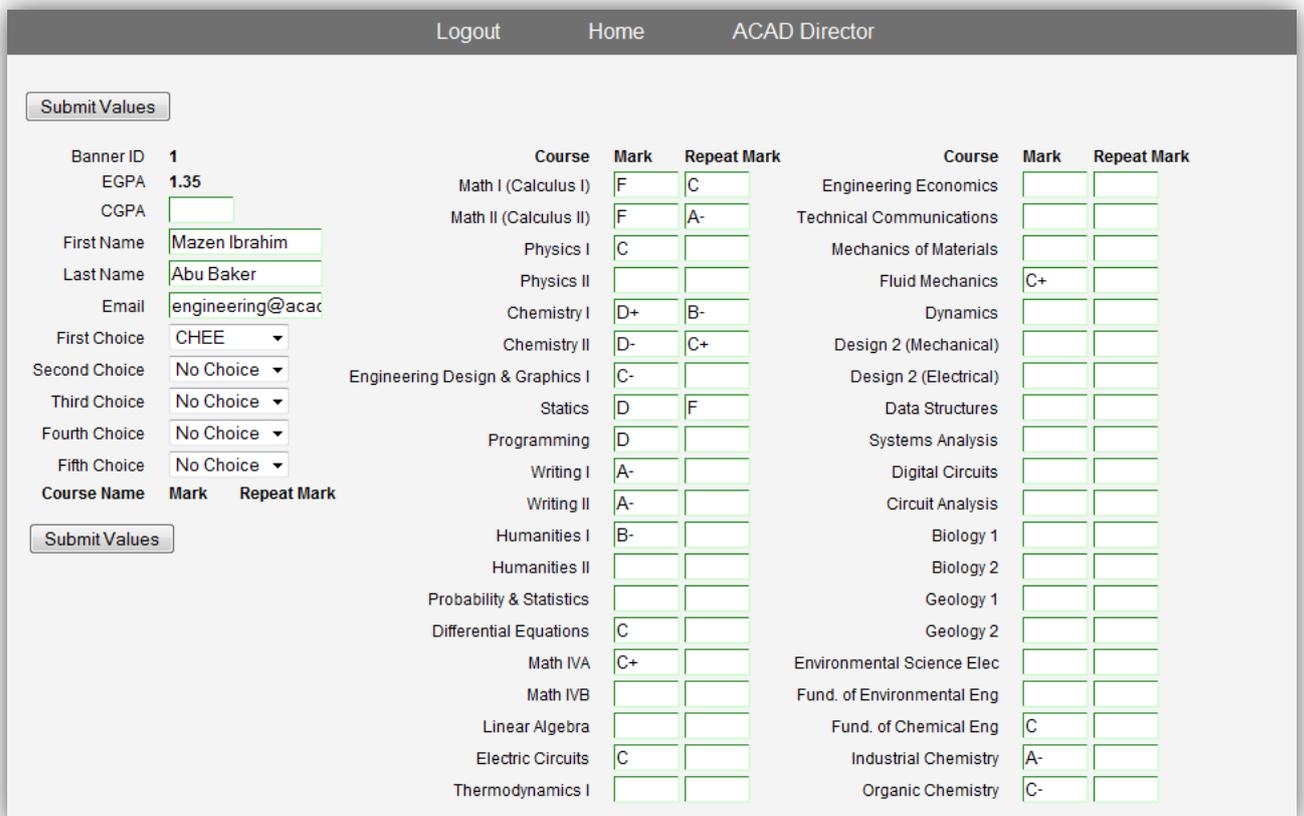


Fig 11: This figure shows student details as shown to AU Directors. Here an AU Director has got the privilege to edit student’s records also.

## Export Student Data for AU Directors

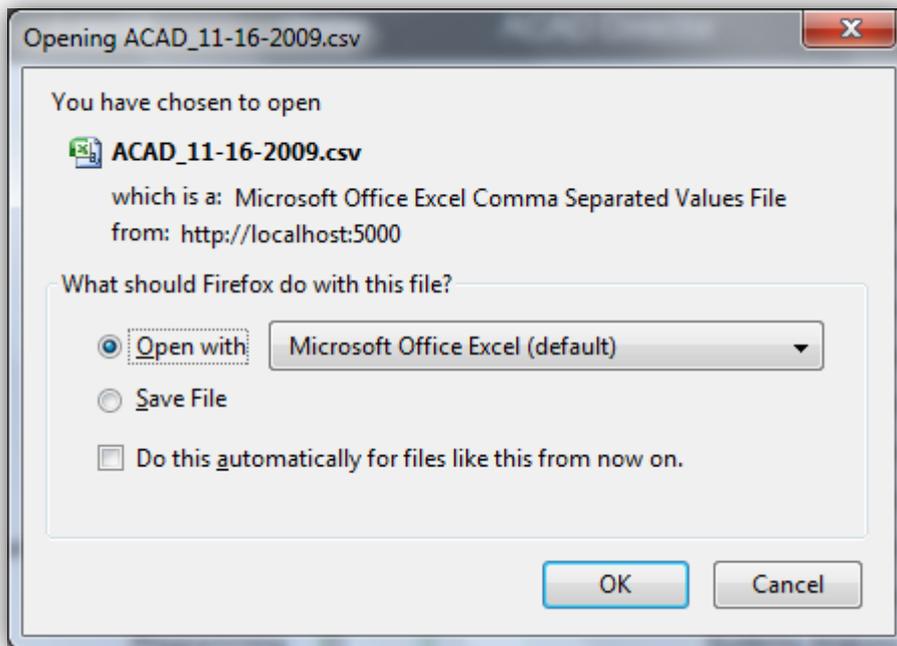


Fig 12: This figure shows student data download screen. By clicking on export student data link on the dashboard, the AU Director can download the data in Excel format to do further analysis with the data

## Associate Dean's Dashboard

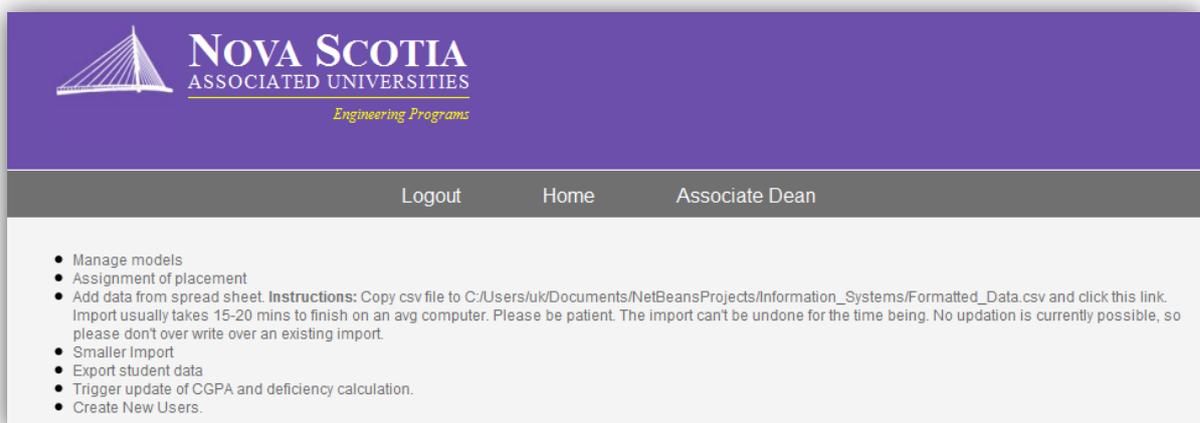


Fig 13: This figure shows the Associate Dean's Dashboard. The Manage Models link is used to get a strong backend control on all the records present in all the models in the database. Assignment of placement link is used to place students into different disciplines. The next two links are used to import data into the database. Export student data is used to export all of the student's data of all AUs in one excel file for further analysis. Create new users link is used to create new users with different privileges (AU directors and Program Coordinators).

## Manage Models: Student

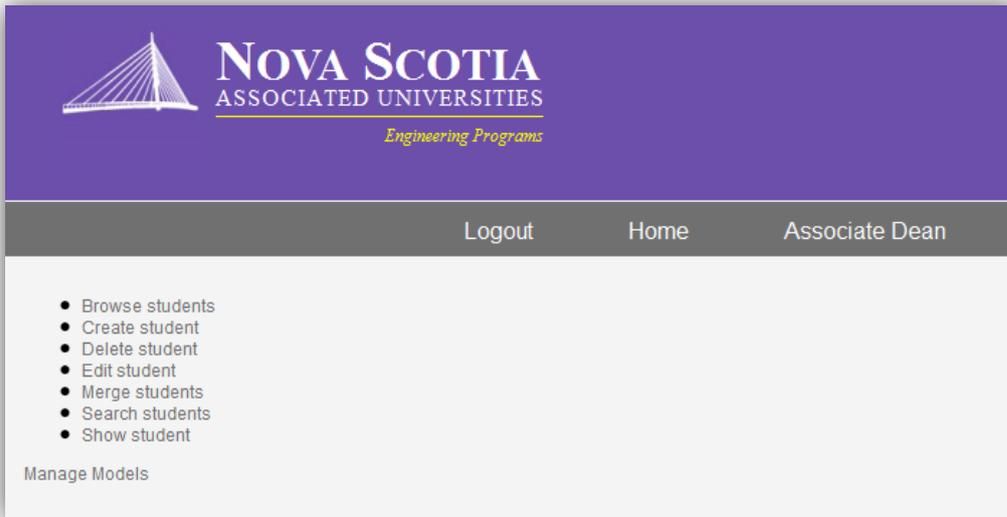


Fig 14: This figure shows the functions developed for each model. For each model, functions like Browse, Create, Delete, Edit, Merge, Search and Show are created. In this figure, student model is shown.

## Browse Students

Logout Home Associate Dean																	
Cgpa	Egpa	Academic status	All party updated	Au	Deficiencies	Final place	Place last year	Place year	Requested year	Status	Banner ID	User	Wait list	Waiting for	Show	Edit	Delete
4.3	Hold			DAL	0	Hold	2011	2010			B00506205	B00506205			Show	Edit	Delete
4.3	Admit			DAL	1	ELEC	2009	2008		Deferred: Concurrent degree	B00466541	B00466541			Show	Edit	Delete
4.26	Placed			UPEI	9	MECH	2010	2010		Fall 2011	103321	103321			Show	Edit	Delete
4.24	Placed			DAL	12	ENVE	2010	2010			B00512254	B00512254			Show	Edit	Delete
4.23	Admit			DAL	3	MECH	2009	2009		Switch to MECH 2009-01-09	B00498211	B00498211			Show	Edit	Delete
4.22	Admit			DAL	1	ELEC	2009	2009			B00486141	B00486141			Show	Edit	Delete
4.21	Placed			DAL	13	ELEC	2010	2010			B00313440	B00313440			Show	Edit	Delete

Fig 15: This figure shows the screen of Browse Students. Here the Associate Dean can briefly check student's records. Also, for each record, he has the option of viewing it (show), editing it or deleting it.

## Search Students

Logout Home Associate Dean

Cgpa

Egpa

Academic status

All party updated False ▾

Au DAL ▾

Deficiencies

Final place

Place last year

Place year

Requested year

Status

Banner ID

User admin ▾

Wait list

Waiting for

Null Fields:

- Cgpa
- Egpa
- Academic status
- All party updated
- Au
- Deficiencies
- Final place
- Place last year
- Place year
- Requested year
- Status
- Banner ID
- User
- Wait list
- Waiting for

Fig 16: In this screen, the Associate Dean can search for students on the basis of different values of different columns.

## Show Student

NOVA SCOTIA  
ASSOCIATED UNIVERSITIES  
*Engineering Programs*

Logout Home Associate Dean

B005019

9 - B00501936

47 - B00501967

713 - B00501975

Manage students

Fig 17: Looking for students to show using Ajax autocomplete.

**Edit**

<b>Attribute</b>	<b>Value</b>
Cgpa	
Egpa	4.19
Academic status	Placed
All party updated	
Au	DAL
Deficiencies	14
Final place	CIVL
Place last year	
Place year	2010
Requested year	2010
Status	
Banner ID	B00501936
User	B00501936
Wait list	
Waiting for	

**Associated Records**

- Au - DAL
- Choices
  - 1 - CIVL
  - 2 - MECH
  - 3 - MINR
  - 4 - CHEE
  - 5 - ELEC
- Marks
  - B00501936 - Math I (Calculus I) - A
  - B00501936 - Math II (Calculus II) - A+
  - B00501936 - Physics I - A
  - B00501936 - Physics II - A
  - B00501936 - Chemistry I - A+
  - B00501936 - Chemistry II - A+
  - B00501936 - Engineering Design & Graphics I - A+
  - B00501936 - Statics - A+
- User - B00501936

Manage students

Fig 18: Showing details for a particular student. Also, associated records like AU, choices and marks are also shown in the screen. There is also an option to edit this record on top left of the screen.

### Assignment of Placement

Student	A00306834	10	Deficiency cut-off
EGPA	3.32	2010	Assigned year
Name	Daniel MacDonald	<input type="button" value="Update Values"/>	
Requested year	2010		

Priority	Place	Wait	Deficiencies	Places Left
1	<input checked="" type="radio"/> MECH	<input type="radio"/> MECH	5	-6
2	<input type="radio"/> CIVL	<input type="radio"/> CIVL	6	-9
3	<input type="radio"/> CHEE	<input type="radio"/> CHEE	7	7
4	<input type="radio"/> MINR	<input type="radio"/> MINR	6	-2
5	<input type="radio"/> ENVE	<input type="radio"/> ENVE	7	-5
	<input type="radio"/> None	<input checked="" type="radio"/> None		

Status

Notes

« Previous 1 2 ... 111 112 113 114 115 116 117 118 119 ... 535 536 Next »

Fig 19: In this screen, the students are placed depending upon their no. of deficiencies and places left in their preferred options.

## Export Student Data for Associate Dean

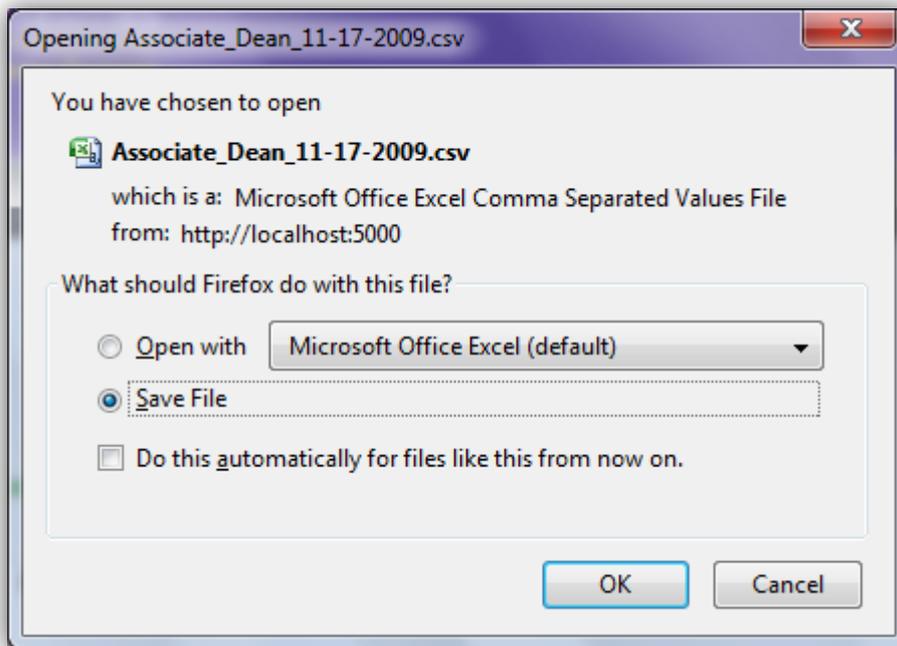


Fig 12: This figure shows all students information download screen.

## Create New Users

A screenshot of the "Create Account" form on the Nova Scotia Associated Universities website. The form is set against a purple header with the university logo and name. Below the header, there are navigation links for "Logout", "Home", and "Associate Dean". The form fields include: "Login" (ujjwal), "Email" (ujjwal@ujjwalkumar.com), "Password" (masked with dots, strength: Better), "Confirm Password" (masked with dots, message: The passwords match. Go ahead!), "First Name" (ujjwal), and "Last Name" (kumar). There are two checkboxes: "I am a student (Check this if you are a student)" and "I accept the Terms of Conditions", both of which are checked. A "Sign up" button is at the bottom. The footer contains "Site best viewed in Mozilla Firefox 3.0" and "Credits".

Fig 21: This screen is used to create new user credentials.