

# **SCT Electrical Team Database**



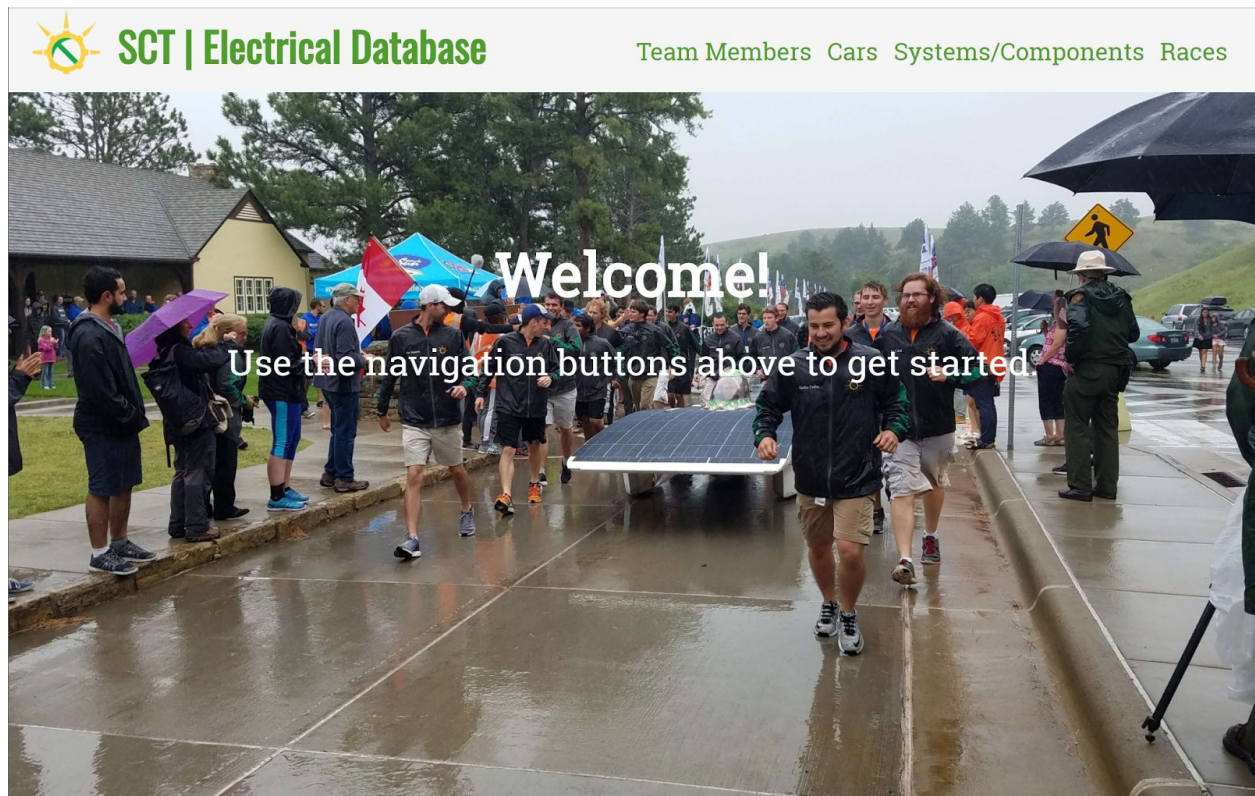
## **User Manual**

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# Welcome Page



From the welcome page, the user can navigate to the shown tabs to perform various interactions with the database.

# Team Members Page

Team members are people that are active on the team and do not include alumni.

## Record new team member

**Record new team member** ▾

Member SSO:  
 \*

Member Name:  
 \*

Member Date of Birth

Member Position

To record a new team member, just click on “record new team member” tag and enter the information then click submit. Note that there are several key constraints as they are marked with asteroid.

## View project assignments

**View project assignments** ▾

Select a project:

**View project assignments** ▾Select a project:  
  
BMS  
UBCB

To view the View project assignments, just click on “View project assignments” tag and the system will automatically execute a query to display the project assignment for team members(if any). This is for viewing which team member is working on a certain system.

## View project assignments

Select a project:

BMS ▼

Submit

System Name	Member SSO	Member's Name
BMS	99999999	Ray Xu
BMS	jescm2	Joshua Schoonover

The results returned from the query show which team members are working on a specific project.

## View All Members

To view all members, just click on “View All Members” tag and the system will automatically execute a query to display all member.

# Cars Page

Cars are vehicles that have been built by the S&T Solar Car Team.

## Record new car

**Record new car** ▾

Car Name:  \*

Year Completed:  ▾

**Record new car** ▾

Car Name:  \*

Year Completed:  ▾

2018  
2017  
2016

To record a new car, click the tab to show the forms, enter information and then click submit button. Note that there are several key constraints as they are marked with asteroid.

## View drivers

**View drivers** ▾

Select car name:  ▾

**View drivers** ▾

Select car name:  ▾

E-Cubed  
Micro Miner  
Sol Survivor  
Solar McSolarFace  
Solar Miner

To view the member information, just click on “view drives” tag and the system will automatically execute a query to display the driver information. This is for viewing which driver is associated with a certain car.

## View all solar cars

View all solar cars 	
Car Name	Year Completed
Sol Survivor	1993
E-Cubed	1995
Solar Miner I	1997
Solar Miner II	1999
Solar Miner III	2001
Solar Miner IV	2003
Solar Miner V	2005
Micro Miner	2006

To view all members, just click on “View all solar cars” tag and the system will automatically execute a query to display all solar cars.

# Systems/Components Page

Systems are PCBs with that serve a certain purpose on a car. Each system is populated with electrical components.

## Record new system

**Record new system** ▾  
System Name:  \*  
Revision number:  \*  
Deadline (date):  \*  
Status:  ▾ \*

To record a new system, click the tab to show the forms, enter information and then click submit button .Note that there are several key constraints as they are marked with asteroid.



View all systems

View all systems <input checked="" type="checkbox"/>			
System Name	Revision Number	Deadline	Status
BMS	H	2017-06-01	
HVFE	0	2017-06-30	
MPPT	3	2017-06-01	
New System	0	2017-01-01	
UBCB	0	2014-01-01	

To view all systems, just click on “View all systems” tag and the system will automatically execute a query to display all systems.

## Record new component

Record new component ▾	Record new component ▾
Manufacturer part no: <input type="text"/>	Manufacturer part no: <input type="text" value="M12345678"/>
Type: <input type="text"/>	Type: <input type="text" value="CAP"/>
Supplier par no: <input type="text"/>	Supplier par no: <input type="text" value="S675634"/>
Value: <input type="text"/>	Value: <input type="text" value="223"/>
No in stock: <input type="text"/>	No in stock: <input type="text" value="23"/>
<input type="button" value="Submit"/>	<input type="button" value="Submit"/>

To record a new component, click the tab to show the forms, enter information and then click submit button. Note that there are several key constraints as they are marked with asteroid.

## View all components

View all components <input checked="" type="checkbox"/>				
Manufacturer part no.	Type	Supplier par no.	Value	No. in stock
01010	IND	0101010	200.0000000000	12
1	RES	1	1.0000000000	
12	RES	123	40.0000000000	1

To view all components, just click on “View all components” tag and the system will automatically execute a query to display all components.

## Race Page

Races are events that the SCT participates in. Typically, one car is entered in a race, but multiple cars are allowed.

### Record new race

Record new race ▾	Record new race ▾
Race date: <input type="text"/> *	Race date: <input type="text" value="7/03/2015"/> *
Name of car that raced: <input type="text"/> ▾ *	Name of car that raced: <input type="text" value="Solar Miner VI"/> ▾ *
Race Title: <input type="text"/> *	Race Title: <input type="text" value="Example"/> *
Location: <input type="text"/> *	Location: <input type="text" value="Example"/> *
<input type="button" value="Submit"/>	<input type="button" value="Submit"/>

To record a new race, click the tab to show the forms, enter information and then click submit button. Note that there are several key constraints as they are marked with asteroid.

### View Awards

View Awards ▾	View Awards ▾
Select race name: <input type="text"/> ▾	Select race name: <input type="text"/> ▾ <div>American Solar Challenge</div>
<input type="button" value="Narrow down your search"/>	<input type="button" value="Narrow down your search"/>

To view specific awards, just click on “View Award” tag and the system will automatically execute a query to display awards from a certain race.

## View all Races

View all Races ▾			
Date	Car Name	Race Name	Location
2016-07-20	Solar Miner	American Solar Challenge	Pittsburgh International Race Complex

To view all races, just click on “View all races” tag and the system will automatically execute a query to display all races.