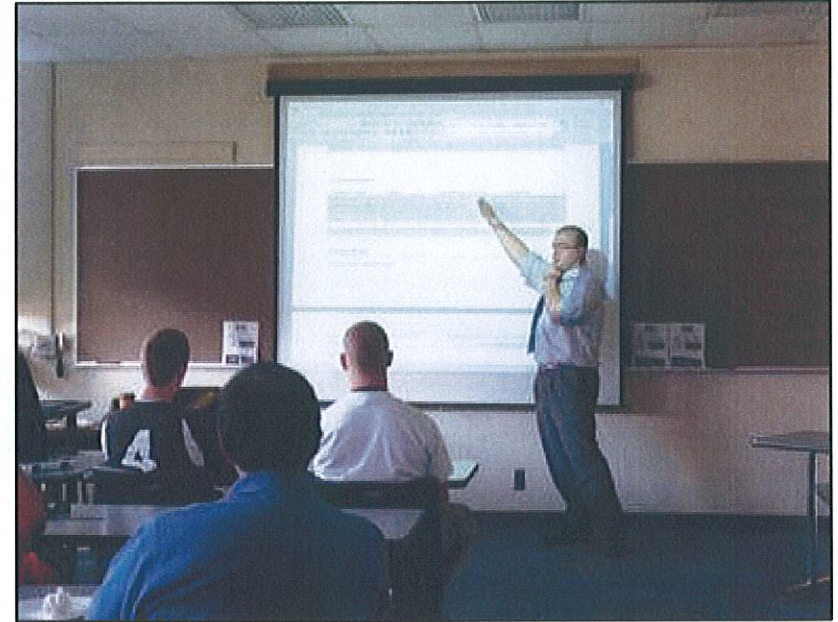


Establishing the Team

- ◉ Identify your players
 - New
 - Experienced
 - Faculty
 - Alumni, Supporters, Sponsors

- ◉ Value each member's
 - Respect views
 - Respect experience

- ◉ Understand where your team has been
 - Teams history – talk to your alumni
 - Past vehicles performance and specs
 - Previous experiences and lessons learned
 - Where has your team placed?



Establishing the Team

SAE International Membership Is Your Door To The Future

blue de oil motorsports LAURENCE TECH

Student dues are \$30 (US\$). Payment must accompany completed application. To apply online please visit www.sae.org/students/membership. ***Please turn in applications and dues to SAE's faculty advisor in E33 (in E25).

I am applying to interested in already on joining student branch only Big SAE Formula SAE Formula Hybrid SAE Aero Design SAE

Already an SAE member? Member Number: _____

How did you hear about us? _____

IMPORTANT! If you checked "applying to" please complete the fields on the reverse side of this form and attach a copy of your current resume.

Personal (print name)

Mr. Mrs. Ms.

Last Name: _____ Suffix (Jr., III): _____

First Name: _____

Middle Initial: _____ Prefix (Dr., Lt.): _____ Birth date (mm/dd/yyyy): _____

Email: _____

Current College Address This is my preferred address to receive mail

Street Address: _____

City: _____ State or Province: _____ Zip or Postal Code: _____

Country: _____ Phone Number: _____

Permanent Home Address This is my preferred address to receive mail

Street Address: _____

City: _____ State or Province: _____ Zip or Postal Code: _____

Country: _____ Phone Number: _____

College / University

University Name: Lawrence Technological University

Year in college: Freshman Sophomore Junior Senior Graduate Student

Graduation Date: (month/year): _____ Degree (check one): BS or MS Major / Minor: _____

MEMBERSHIP DUES & OPTIONS:

Student International Dues \$30

Student Local Dues \$10

DIGITAL MAGAZINE PREFERENCE: (select one or more with your dues)

Automotive Engineering International (AEI)

Off-Highway Engineering (OHE)

Aerospace Engineering & Manufacturing (AEM)

OPTIONAL HARD COPY MAGAZINE SUBSCRIPTIONS:

Automotive Engineering International (AEI) \$15

Off-Highway Engineering (OHE) \$12

Aerospace Engineering & Manufacturing (digital copy) (AEM) \$15

Momentum: The Magazine for SAE Students \$15

TOTAL AMOUNT: _____ (all amounts in US\$)

Payment: Check (please make checks payable to: LTU Student Branch of SAE) Cash

IMPORTANT! In order to apply for membership, you represent and warrant to SAE that the registration information you submit is truthful, complete and updated, including your full legal name and educational background. You acknowledge that SAE may, without having the obligation to, verify the information provided. It is SAE's reasonable judgment you fail to comply with this provision. SAE may, at its sole discretion, take action suspending your membership and including without limitation terminating your membership.

Check this box if you agree to be bound by this provision

REQUIRED: Application without this box checked and a signature will be discarded.

Signature: _____ Date: _____

Annual membership dues must be paid in advance and are non-refundable.

10-22-2010

Lawrence Tech Theory and Practice Since 1932

blue de oil motorsports LAURENCE TECH

REMINDER! When you join your local SAE student chapter, a portion of your membership dues go directly to the team that you belong to.

Additional Personal:

First Name: _____ Last Name: _____

Primary Phone #: _____ Drivers License #: _____ State: _____

Emergency Contact:

Name: _____ Phone #: _____ Relationship: _____

Medical Insurance:

Company: _____ Group ID #: _____ Phone #: _____

Interest:

Briefly describe why you are interested in the LTU SAE team that you selected:

Education:

Courses completed last semester: _____ Professor of course: _____

High School(s) Name: _____ City: _____ State: _____ Date of Graduation: _____

Employment History:

Company	Position	Supervisor's Name & Phone #	Dates
_____	_____	_____	_____
_____	_____	_____	_____

Additional Information:

Please share with us any relevant information such as interests, future goals, achievements, certifications, personality traits, etc.

APPLICANT CERTIFICATION

I certify that the answers and other information on this application are true and correct to the best of my knowledge. Additionally, I understand that misrepresentation, false, or fraudulent information on or related to this application may be grounds for disqualification from Lawrence Technological University SAE Team that I have applied to.

Signature: _____ Date: _____

2 10-22-2010

Establishing the Team

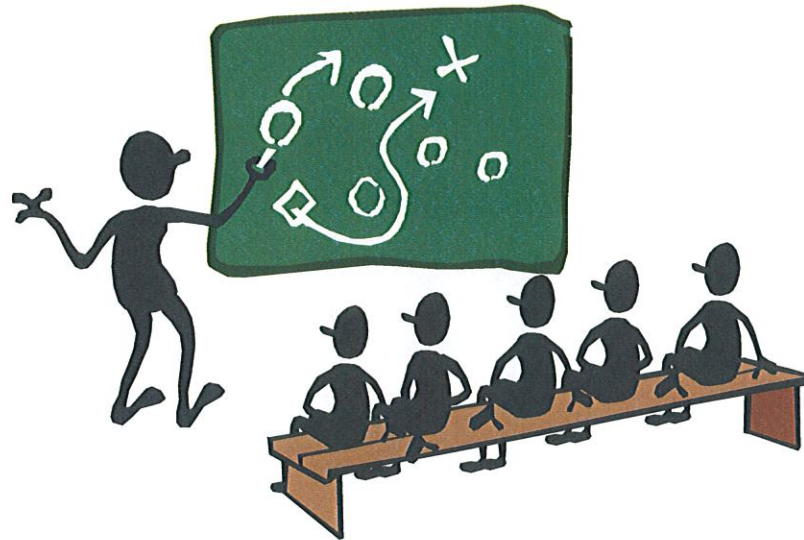
- ◉ Mission, Vision and Core Values
 - **Vision:** Outlines what the organization wants to be in the long term
 - **Mission:** Defines the fundamental purpose of your team
 - **Values:** Common beliefs that are shared amongst members
 - Do you have these answered in writing?

- ◉ Know Where You Want to go
 - Example Team Goals
 - Ensure proper communication
 - Complete all events
 - Place Top 20
 - Rookie of the Year
 - Example Vehicle Goals
 - Under 500lbs
 - Reliable
 - Tested and tuned for comp



Establishing the Team

- Define Team Roles by Resources
 - Who is going to do what?
 - Use your member resources wisely
 - Clearly communicate who is good at what roles early on
 - Not just engineering related!



Establishing the Team

- Create your Team Structure to:
 - Create, manage & execute specific goals or tasks
 - Find path of least resistance to succeed
 - Group common systems into teams



Powertrain Job Descriptions

- Powertrain Manager
 - Responsible for all control and direction of the vehicles Powertrain
 - These responsibilities include but are not limited to Powertrain funding and sponsorship, new member enrollment in team, maintain of all Powertrain tools and equipment, buying and up keep of Powertrain parts, diagnose problems and delegating responsibilities to team members while keeping them on track.
 - Powertrain Manager must report to the Formula SAE Team Leader
- Base Engine Lead
 - Responsible for engine case aka "Short Block" and all parts within the block.
 - Responsible for Cylinder head and all parts associated within the head.
 - Base Engine Lead must report to the Powertrain Manager.
 - Responsible for learning the current engine technology and how to improve the new engine.
 - Responsible for acquiring parts and making sure all parts are engineered to fit in vehicle correctly
- Transmission Lead
 - Responsible for transmission inside the engine case
 - Responsibilities include but are not limited to; learning past and current transmission setups, Update the technology of the transmission (i.e. electric shifting, removal of unused gears)
 - Transmission Lead must report to the Powertrain Lead
 - Responsible for acquiring parts and making sure all parts are engineered to fit in vehicle correctly
- Fuel System Lead
 - Responsible for the function of the entire fuel system. The parts included under the fuel system include; fuel tank and pump, fuel lines and line connectors and fuel injectors.
 - Fuel System Lead must report to the Powertrain Manager
 - Responsible for acquiring parts and making sure all parts are engineered to fit in vehicle correctly