

2018 Competition Winner  
**Osaka University**

**2019**

Monozukuri Design Competition Since 2003

# Formula SAE Japan

2018 Spirit of Excellence Award for EV Class  
**Nagoya University EV**



**ICV & EV Class**

**2019**

**8.27** **TUE** - **31** **SAT**

Ogasayama Sports Park  
- ECOPA -



Organizer



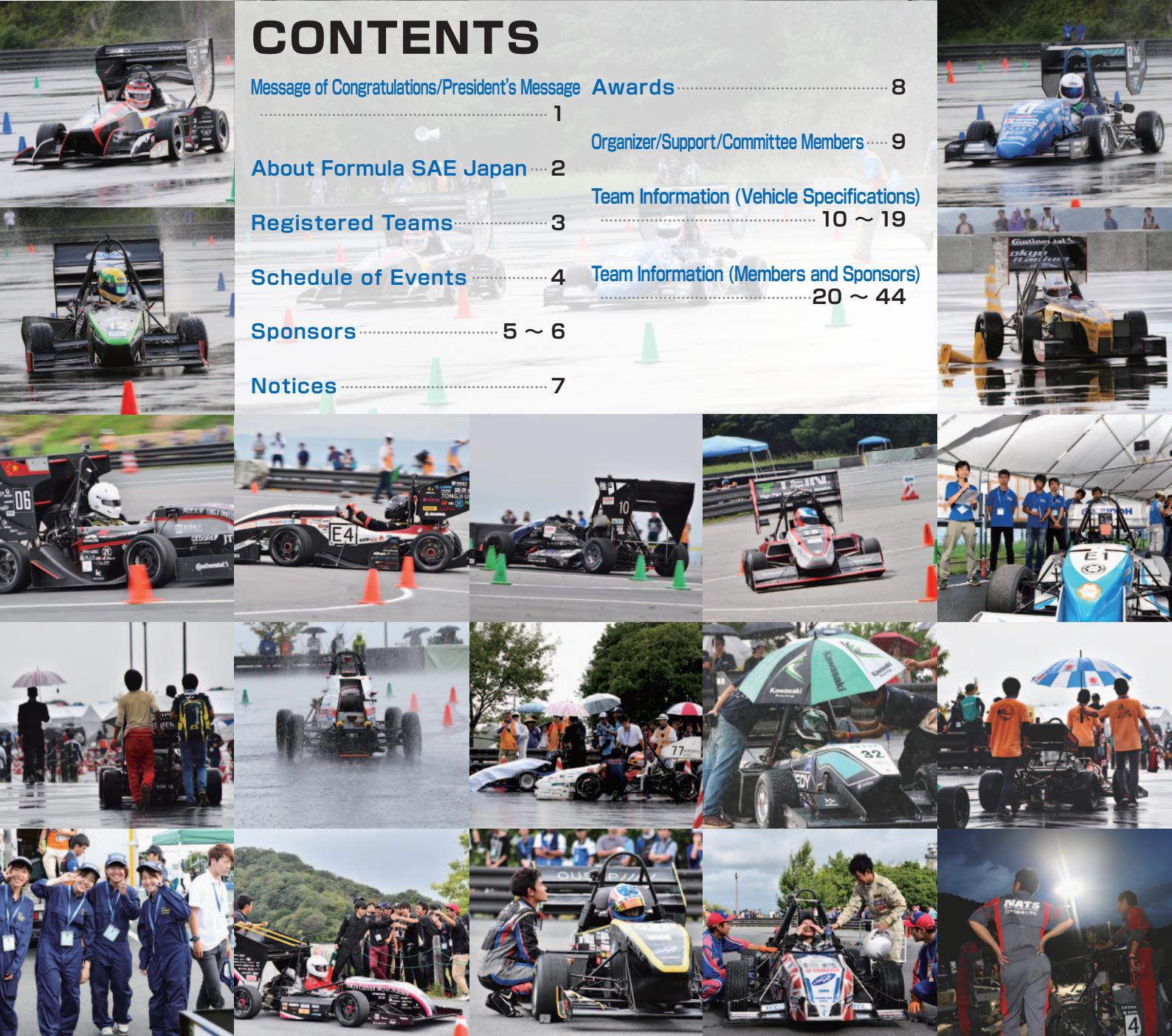
Society of Automotive Engineers of Japan, Inc.





# CONTENTS

Message of Congratulations/President's Message	Awards	8
1	Organizer/Support/Committee Members	9
About Formula SAE Japan	Team Information (Vehicle Specifications)	10 ~ 19
2	Team Information (Members and Sponsors)	20 ~ 44
Registered Teams	3	
Schedule of Events	4	
Sponsors	5 ~ 6	
Notices	7	





# About Formula SAE Japan

## 1. Purpose of Competition

To develop human resources that, through the support of government, industry, and academia, will contribute to the development and promotion of both automobile technology and industry by having the students play the main role in planning, designing, and constructing an automobile on their own in a competition of comprehensive monozukuri skills.

## 2. Fundamental Policies of the Competition

As an engineering society, to provide students with an opportunity for monozukuri for the purpose of:

- 1) helping the students to independently develop their comprehensive monozukuri skills.
- 2) increasing the educational value of the experience by providing the students with an opportunity for the practical application of skills and knowledge that are connected to their classroom studies.

## 3. Operating Guidelines of the Competition

- 1) To be a place where monozukuri skills are verified while placing the highest priority on ensuring safety.
- 2) To conduct the competition in connection with representatives of industry, government, and academia.
- 3) To conduct the competition with a wide range of both individual and corporate volunteers.
- 4) To conduct the competition as a non-profit, public enterprise.
- 5) To build a network of student formula competition participants that will contribute to exchange between engineers that transcends corporate frameworks.

### Outline of Events: Scoring the points out of 1000 points overall.

Events Category			Points
Technical Inspections		To determine if the vehicle meets the Rules requirements and restrictions and safety by Tech inspection and Braking (4-wheel locked state); Exhaust noise for ICV (110 dBC or less); Tilt-table (no fuel leak at 45°, and no roll-over at 60°); Rain test for EV insulation	-
Static Events	Cost and manufacturing	To evaluate the ability to consider budget and incorporate production considerations for production and efficiency. Comparing with the actual vehicle, (1) the cost accuracy of a Cost Report based by the cost tables for 1,000 units per year. (2) manufacturing quality and workmanship, etc are judged. Furthermore, an oral question by the real case scenario is conducted.	100
	Presentation	To evaluate the ability to develop and deliver a comprehensive business, logistical, production, or technical case that will convince outside interests to invest in the team's concept.	75
	Design	To evaluate the engineering effort that went into the vehicle and how the engineering meets the intent of the market both in terms of vehicle performance and overall value.	150
Dynamic Events	Acceleration *1	To evaluate the acceleration in a straight line 0-75m.	100
	Skidpad *1	To evaluate the cornering performance on a figure-of-eight course.	75
	Autocross *1	To evaluate the vehicle maneuverability and handling qualities on a roughly 800m course by run 1 full lap including straights, bends, a slalom and a chicane.	125
	Endurance *2	To evaluate the overall performance of the vehicle and test the durability and reliability. 20 laps of a roughly 1,000m course including straights, bends, a slalom and a chicane.	275
	Efficiency	An evaluation is conducted based on the fuel or EV power consumption during endurance running.	100
Total Points			1000

\*1: Each team may attempt up to four runs, using 2 drivers, limited to two runs for each driver.

\*2: Endurance event consists of two runs, each using a different driver, with a Driver Change between at 10 Laps.

# Registered Teams

## <ICV Class>

Car No	School Name	Country
1	Osaka university	Japan
2	Kyoto Institute of Technology	Japan
3	Tongji University	China
4	Meijo University	Japan
5	Shibaura Institute of Technology	Japan
6	Tokai university	Japan
7	Nagoya Institute of Technology	Japan
8	Kobe University	Japan
9	Tokyo University of Science	Japan
10	Yokohama National University	Japan
11	University of Fukui	Japan
12	Shizuoka University	Japan
13	Ibaraki University	Japan
14	Tokyo University of Agriculture and Technology	Japan
15	Tokyo City University	Japan
16	Nippon Institute of Technology	Japan
17	Kasetsart University	Thailand
18	Universitas Negeri Yogyakarta	Indonesia
19	Sanyo-onoda City University	Japan
20	Waseda University	Japan
21	Shizuoka Institute of Science and Technology	Japan
22	Universitas Gadjah Mada	Indonesia
23	Nihon Automobile College	Japan
24	Aichi Institute of Technology	Japan
25	Honda Gakuen Honda Technical College Kanto	Japan
26	Kyoto University	Japan
27	Prince of Songkla University	Thailand
28	Sophia University	Japan
29	University of Yamanashi	Japan
30	Teikyo University	Japan
31	Kyushu Institute of Technology	Japan
32	Chiba University	Japan
33	Osaka Institute of Technology	Japan
34	Saitama University	Japan
35	Gifu University	Japan
37	Okayama University	Japan
38	Osaka Sangyo University	Japan
39	Institute of Technologists	Japan
40	Kanazawa Institute of Technology	Japan
41	The University of Kitakyushu	Japan
43	Toyota Technical College Nagoya	Japan
44	Niigata University	Japan
45	Kanazawa University	Japan
46	Tottori University	Japan
47	Doshisha University	Japan
49	Ritsumeikan University	Japan
50	Institut Teknologi Sepuluh Nopember	Indonesia
51	Setsunan University	Japan
52	College of Science and Technology, Nihon University	Japan
53	Kurume Institute of Technology	Japan

Car No	School Name	Country
54	Shizuoka Professional College Of Automobile Technology	Japan
55	Sebelas Maret University	Indonesia
56	The University of Tokyo	Japan
57	Kyushu University	Japan
58	Gunma University	Japan
59	Hiroshima Institute of Technology	Japan
61	Kindai university	Japan
62	University of Toyama	Japan
63	Osaka Prefecture University	Japan
65	Meisei University	Japan
66	Kogakuin University	Japan
67	Sojo University	Japan
68	Chiba Institute of Technology	Japan
69	Hiroshima University	Japan
70	Hanyang University	Korea
73	National Chiao Tung University	Taiwan
74	Kookmin University	Korea
75	Harbin Institute of Technology at Weihai	China
76	National Taipei University of Technology	Taiwan
77	Mie University	Japan
79	Tokyo Metropolitan University	Japan
80	Hoseo University	Korea

## <EV Class>

Car No	School Name	Country
E1	Nagoya UniversityEV	Japan
E2	Tongji UniversityEV	China
E3	Toyohashi University of TechnologyEV	Japan
E4	National Tsing Hua UniversityEV	Taiwan
E5	National Institute of Technology, Ichinoseki College/Iwate UniversityEV	Japan
E6	Toyota Technical College NagoyaEV	Japan
E7	Kanagawa UniversityEV	Japan
E8	Tohoku UniversityEV	Japan
E9	Shizuoka Institute of Science and TechnologyEV	Japan
E10	Toyota Technical College TokyoEV	Japan
E11	Universitas Islam IndonesiaEV	Indonesia
E12	Institut Teknologi Sepuluh NopemberEV	Indonesia
E13	Kyushu Institute of TechnologyEV	Japan
E15	National Pingtung University of Science and TechnologyEV	Taiwan
E16	Rajshahi University of Engineering & TechnologyEV	Bangladesh
E17	R V College of EngineeringEV	India
E18	National Cheng Kung UniversityEV	Taiwan
E19	National Taiwan UniversityEV	Taiwan
E20	JiLin UniversityEV	China
E21	National Taipei University of TechnologyEV	Taiwan
E22	Harbin Institute of Technology at WeihaiEV	China
E23	Beijing Institute of Technology EV	China
E24	Universitas Gadjah MadaEV	Indonesia
E25	SEIKEI UniversityEV	Japan
E26	Nissan Automobile Technical College KyotoEV	Japan
E27	Kanagawa Institute of TechnologyEV	Japan



# Schedule of Events

## 2019 Formula SAE Japan Event Schedule

	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	Venue
<b>Aug 27</b> Tue DAY 1														
<b>Aug 28</b> Wed DAY 2														
<b>Aug 29</b> Thu DAY 3														
<b>Aug 30</b> Fri DAY 4														
<b>Aug 31</b> Sat DAY 5														

This may change depending on the weather or the progress of events.



# Sponsors

## ■ S Class

Toyota Motor Corporation  
Nissan Motor Co.,Ltd.  
Honda Motor Co.,Ltd.  
Mazda Motor Corporation  
Hitachi Metals, Ltd.

## ■ A Class

SUBARU  
Mitsubishi Motors Corporation  
PERSOL RESEARCH & DEVELOPMENT CO., LTD.  
Bosch Corporation  
Tamadic Co., Ltd.  
NOK Corporation  
igus k.k.  
IPG Automotive K.K.  
VSN, Inc.  
AISIN SEIKI CO.,LTD.  
Isuzu Motors Limited  
HKS Co., Ltd.  
Kawasaki Heavy Industries, Ltd.  
Komatsu Ltd.  
SAGINOMIYA SEISAKUSHO, INC.  
JOUHOU GIKEN, Ltd.  
ZUKEN INC.  
SUZUKI MOTOR CORPORATION  
Daihatsu Motor Co.,Ltd.  
DENSO CORPORATION  
DOME.,CO.LTD.  
NSK Ltd.  
Hitachi Automotive Systems, Ltd.  
Honda Techno Fort Co.,Ltd.  
YAMADA MANUFACTURING CO.,LTD.  
Yamaha Motor Co.,Ltd.

## ■ B Class

TACHI-S CO., LTD.  
NISSIN KOGYO CO.,LTD.  
PRESS KOGYO CO.,LTD.  
Toyota Industries Corporation  
YOROZU Corporation.  
UD Trucks Corporation  
ICHIKOH INDUSTRIES,LTD.  
KYOWA KOGYO CO.,LTD.  
Nifco Inc.  
Hino Motors, Ltd.  
BBS Japan Co., Ltd.  
dSPACE Japan  
MathWorks Japan  
NTN Corporation  
Siemens-Mentor Automotive  
SOLIZE Corporation  
AISIN AW CO.,LTD.  
ADVICS CO.,LTD.  
enable  
Altair Engineering, Inc.  
ANZEN MOTOR CAR CO.,LTD.  
ETAS K.K.  
Idemitsu Kosan Co.,Ltd.  
Valeo Japan Co., Ltd.  
Witzenmann Japan K.K.

AVL JAPAN  
ATS Japan  
EXEDY Corporation  
F.C.C. Co.,Ltd.  
FTTechno.,Inc.  
elringklinger Marusan Corporation.  
ENKEI CORPORATION  
Autech Japan, Inc.  
AutoTechnicJapan co.,LTD  
AUTOBACS SEVEN CO., LTD.  
Autoliv Inc.  
Origin Electric Co., Ltd.  
CAR MATE MFG.CO.,LTD.  
Calsonic Kansei Corporation  
KYGNUS SEKIYU K.K.  
Cataler Corporation  
GRAPHITE DESIGN INC.  
Keihin Corporation  
Kobe Steel, Ltd.  
SANDEN HOLDINGS CORPORATION  
SANNO TEC CO.,LTD.  
JTEKT Corporation  
Shinanoinc,  
JATCO Ltd.  
SHOWA CORPORATION  
Shin Nippon Tokki Co.,LTD.  
Stäubli International AG.  
Sumitomo Wiring Systems,Ltd.  
SEKISUI PLASTICS CO.,Ltd.  
ZF Japan Co.,Ltd.  
SolidWorks Japan K.K.  
TADANO LTD.  
TS TECH CO.,LTD  
TMC CO., LTD  
T.RAD Co., Ltd.  
DENSO TEN LIMITED  
TOA Corporation  
Tokyo R&D Co.,Ltd.  
Toray Carbon Magic Co., Ltd.  
Toyota Motor East Japan, Inc.  
Toyota Boshoku Corporation  
Nissan Shatai Co.,Ltd.  
Nisshinbo Brake Inc.  
NIPPON THOMPSON CO.,LTD.  
Japan Automobile Research Institute  
Japan Auto Parts Industries Association  
NHKSPRINGCO.,LTD.  
Net Vision  
Nord-Lock, Inc.  
Faurecia Japan K.K.  
Fujikura Ltd.  
Primearth EV Energy Co., Ltd.  
BorgWarner Morse Systems Japan KK.  
Mazda Engineering & Technology Co., LTD.  
MIKUNI CORPORATION  
Mitsubishi Electric Corporation  
MITSUBOSHI BELTING LTD.  
YAZAKI Corporation  
YANASE & CO.,LTD.  
YANASE AUTOMOTIVE SYSTEMS CO., LTD.  
UNIVANCE CORPORATION

## ■ C Class

TAISEISHA LTD.  
TOTEC AMENITY LIMITED  
iPX co.ltd.  
NSK-Warner K.K.  
Software Cradle Co., Ltd.  
Tyco Electronics Japan G.K.  
TOYOTA AUTO BODY CO.,LTD.  
BRIDE CO.,LTD  
Musashi Seimitsu Industry Co.,Ltd.  
DMG MORI CO., LTD.  
GS Yuasa International Ltd.  
HPC SYSTEMS Inc.  
JTB Corp. HAMAMATSU Branch Sales Section  
JXTG Nippon Oil & Energy Corporation  
Means Japan G.K.  
THK RHYTHM CO., LTD.  
Toyo Tire Corporation  
AISAN INDUSTRY CO.,LTD.  
Aichi Machine Industry Co.,Ltd.  
Aoyama Seisakusho Co., Ltd.  
Asahi Metals Co.,Ltd.  
Analog Devices, Inc.  
ALPS ALPINE CO., LTD.  
ISUZU ADVANCED ENGINEERING CENTER,LTD.  
Ibara Seiki Co., Ltd.  
Iwafuji Industrial Co., Ltd.  
Intertechno.Co.,Ltd.  
H-one CO.,LTD.  
Osaka Forming Co.,Ltd.  
OKAYA & CO., LTD.  
OKITSURASEN Co.LTD  
ONO SOKKI CO.,LTD.  
Kawamuraoki Seisakusho Co.,Ltd.  
KUBOTA Corporation.  
Kokuyo Aluminum Industrial Corporation  
SATO PARTS CO.,LTD.  
SANGO Co.,Ltd.  
JI Accident &Fire Insurance Co.,Ltd.  
JATCO Engineering Ltd  
SHINBA IRON WORKS CO.,LTD.  
Sensata Technologies Japan Limited  
DaikyoNishikawa Corporation  
DEEP STAGE Co., Ltd.  
TEIN, INC.  
DENSOTECHNO CO.,LTD.  
TOKAIRIKA,CO LTD  
Total Technical Solutions  
TOYODA GOSEI CO.,LTD.  
Toyota Shizuoka Parts Distributor Co, Ltd.  
NISSAN AUTOMOTIVE TECHNOLOGY CO., LTD.  
NHK SPRING PRODUCTION COMPANY  
ESI Japan  
NIHON PLAST CO., LTD.  
Nihon Michelin Tire Co.,Ltd.  
Virtual Mechanics Corporation  
PIOLAX, INC.  
HINO Hutech  
FUKAI MFG. CO., LTD.  
Fujiseiki Co.,Ltd..



Fu-se Vacuum Forming Ltd.  
Bridgestone Corporation  
HORIBA, Ltd.  
MICRO FASTNERS CO.,LTD.  
Magna Powertrain Magna International Japan Inc.  
MinebeaMitsumi Inc.  
MIYAKI Corporation.  
MOBITEC CO., LTD.  
Yashika Body Company, Ltd  
YANMAR Co., Ltd.  
Yutaka Giken Company Limited.

## ■ D Class

FUKUROI CHAMBER OF COMMERCE AND INDUSTRY  
ART METAL MFG. CO.,LTD.  
AISIN TAKAOKA CO.,LTD  
AKASHI KIKAI INDUSTRY Co., Ltd.  
AZABU SEIKEI Co.,Ltd.  
ISUZU ENGINEERING Co.,Ltd.  
UCHIYAMA MANUFACTURING CORP.  
AW ENGINEERING CO.,LTD.  
OILES CORPORATION  
OHNO RUBBER INDUSTRIAL CO.,LTD.

OTICS Corporation  
Gifu Auto Body Co., Ltd.  
Kumamoto IB sangyou co.,Ltd.  
Sankin Corporation  
Global Active Technology Co.,Ltd.(GAT)  
CCI Corporation.  
SKY CO.,LTD.  
Suzuyo&Co.,Ltd  
Sohshin  
Taiseiplas co.,ltd  
DAIDO METAL CO.,LTD.  
Pacific Industrial Co.,Ltd  
Taiho Kogyo Co.,Ltd.  
TAKASAGO LTD.  
DAD co.,ltd.  
DEWE Japan Co.,Ltd.  
TOHNICHI Mfg Co.,Ltd.  
Toyo Denso CO.,LTD.  
TonoxCorp.  
TOYODA IRON WORKS CO.,LTD.  
Trinity Industrial Corp.  
NISHIKAWA RUBBER CO.,LTD.

NICHIRIN CO.,LTD.  
NIPPON CORTING INDUSTRY Co.,Ltd.  
Nippon Seiki Co., Ltd.  
NGK SPARK PLUG Co.,Ltd.  
hi-1000.com  
HAMANAKODENSO CO.,LTD.  
FOUR TECHNOS  
FUJI BRAKE INDUSTRY CO.,LTD.  
Project Mu Co.,Ltd.  
BONFORM  
MatsumotoSeiko co.,ltd.  
Mitsubishi Automotive Engineering Co.,Ltd.  
MIYACO HYDRAULIC BRAKE MFG. CO.,LTD  
Yamaha Motor Engineering Co., Ltd.  
YAMAHA MOTOR POWERED PRODUCTS CO.,LTD.  
unionsensho Co.,Ltd.  
The Yokohama Rubber Company, Limited  
RYOBI LIMITED  
WATANABE Industrial Co.,Ltd

## ■ E Class

Hattasan Meibutsu Dango



## **We appreciate your cooperation for assuring a safe and pleasant event.**

### **[Attention]**

- ⚠ You must not enter the Dynamic Events Area without Dynamic Pass.
- ⚠ Please watch the Dynamic Events and practices from the designated safe areas. To prevent accidents, do not use flash camera while vehicles are being driven.
- ⚠ People without permission are not allowed to enter each Team Pit.
- ⚠ No Smoking except the designated smoking areas.
- ⚠ Please separate the trashes by the garbage collection point.
- ⚠ To prevent heat stroke, please ensure water and salt intakes.
- ⚠ Do not approach hornets and snakes that live in the area around the site.
- ⚠ If you feel sick, call out to the near official staff and go to the First Aid Station.
- ⚠ Please follow the instructions of official staffs at all time and place.

### **[Disclaimer Notice]**

- ⚠ The organizers, sponsors, and supporting institutions shall assume no responsibility whatsoever for any accident or damage that may occur during the Competition, other than for reasons attributable to the organizer.
- ⚠ The organizers are not liable for any schedule changes.

# Awards

	Award Name	Outline	Place	Prize *10K JPY	Provided by
Outstanding Performance Awards	Minister of Economy, Trade and Industry Award	Top finisher in overall which accomplished all events	1st	(Diploma)	Ministry of Economy, Trade and Industry
	Minister of Land, Infrastructure, Transport and Tourism Award	Top EV finisher in overall which accomplished all events	1st	(Diploma)	Ministry of Land, Infrastructure, Transport and Tourism
	Governor of Shizuoka Prefecture Award	Top team overall rating in Static Events, Acceleration, Skid-pad, Autocross, Noise, Fuel Economy, Safety, and Weight Reduction	1st	(Goods)	Shizuoka Prefecture
	Mayor of Kakegawa City Award	Top team overall rating in Dynamic Events	1st	(Goods)	Kakegawa City
	Mayor of Fukuroi City Award	Top team overall rating in Static Events	1st	(Goods)	Fukuroi City
	JAMA Chairman Awards	Teams accomplished all Static & Dynamic Events (exc. penalized by Noise or document submission delay)	-	70 divided equally (w/ Goods)	Japan Automobile Manufacturers Association
	JAPIA Chairman Awards	Top team overall rating in Cost & Manufacturing, Presentation, and Weight Reduction in all teams which accomplished Endurance	1st	5	Japanese Auto Parts Industries Association
	TOP 6 Awards in Overall	Top 6 finishers in overall which accomplished all events	1~6th	1st:10, 2nd:9, 3rd:8, 4th:6, 5th:5, 6th:4	ONO SOKKI
	Spirit of Excellence Award for ICV Class	Top ICV finisher in overall which accomplished all events	1st	5 (w/Goods)	JSAE
	Spirit of Excellence Award for EV Class	Top EV finisher in overall which accomplished all events	1st	5 (w/Goods)	PUSE Shizuoka Pref.
Categorized Awards	Cost Awards	Top 3 teams in Cost & Manufacturing	1~3rd	1st:5, 2nd:3, 3rd:2	NOK
	Design Awards	Top 3 teams in Design	1~3rd		Autech Japan
	Presentation Awards	Top 3 teams in Presentation	1~3rd		TOYO TIRE
	Acceleration Awards	Top 3 teams in Acceleration	1~3rd		Sumitomo Rubber Industries
	Skid-Pad Awards	Top 3 teams in Skid-pad	1~3rd		JSAE
	Autocross Awards	Top 3 teams in Autocross	1~3rd		JSAE
	Endurance Awards	Top 3 teams in Endurance	1~3rd		AVL Japan
	Efficiency Awards	Top 3 teams in Fuel Economy	1~3rd		Nihon Michelin Tire
	Special Awards	Rookie Awards	Teams participating in the Competition for the first time with the highest overall score.		ICV1st EV1st
Sportsmanship Awards		Teams that are highly rated in terms of sportsmanship, management, safety, and the like.	-	(Goods)	FSAEJ Execution Committee
CAE Awards		Teams that achieved highly efficient and excellent designs making effective use of CAE technology.	1~3rd	1st:5, 2nd:3, 3rd:2	Altair Engineering
Lightweight Engineering Awards		Teams that participated in all the events other than the Endurance and that manufactured the lightest car.	ICV1st EV1st	each 5	FUKAI MFG.
Best Suspension Awards		Teams that achieved a high-performance suspension based on the good geometry setting concept, component weight, manufacturing accuracy, appearance, times in the dynamic events, vehicle behavior, and so on.	1~3rd	1st:3, 2nd:2, 3rd:1	ZF Japan
Jump-UP Awards		Teams that participated in all the events and that improved their overall score compared to the previous competition.	1~3rd	(Goods)	Fukuroi Chamber of Commerce and Industry
Best Three-View Drawing Award		Awarded to teams that communicated more information most accurately to the judges through the drawings as the distillation of the team's design work.	1st	5	TOKYO R&D
Best Aerodynamics Award		Teams that completed the Autocross, and that analyzed and implemented the aerodynamic and thermo-fluid aspects of a racing car most effectively.	1st	5	TOKYO R&D
Best Lap Awards		Top 3 teams recorded the fastest lap in Endurance.	3 teams	1st:3, 2nd:3, 3rd:2	KYGNUS SEKIYU
Best Composite Award		Teams that achieved the most complete composite parts in terms of the Lightweight, High Rigidity and Good Looking etc as a racing car.	1st	5	TOKYO R&D Composite
Good Accumulator Container Design Awards		Top 3 EV teams have good design of the Accumulator Container.	1~3rd	1st:5, 2nd:3, 3rd:2	Primearth EV Energy
Best Electrical System Awards		Top 3 EV teams with the best electrical circuit design.	1~3rd	1st:8, 2nd:4, 3rd:2	Siemens-Mentor Automotive
Ergonomics Awards		Teams that achieved excellent ergonomics in terms of the driving position, good pedaling and steering wheel, meter visibility etc as a racing car.	1~3rd	1st:3, 2nd:2, 3rd:1	BRIDE



# Organizer/Support/Committee Members

## 2019 Formula SAE Japan is

### Organized by

Society of Automotive Engineers of Japan, Inc. (JSAE)

### Under the patronage of

Ministry of Education, Culture, Sports, Science and Technology; Ministry of Economy, Trade and Industry; Ministry of Land, Infrastructure and Transport; Shizuoka Prefecture; Kakegawa City; Fukuroi City; Kakegawa Chamber of Commerce and Industry; Fukuroi Chamber of Commerce and Industry; Japan Automobile Manufacturers Association; Japan Auto Parts Industries Association; NHK; Tokyo Broadcasting System Television; Shizuoka Broadcasting System; Shizuoka Asahi TV; Shizuoka Daiichi Television; Shizuoka Telecasting; Shizuoka FM Broadcasting; Asahi Shimbun Publishing; The Yomiuri Shimbun; The Mainichi Newspapers; Nihon Keizai Shimbun; Nikkan Kogyo Shimbun; FujiSankei Business i.; The Shizuoka Shimbun; Nikkan Jidosha Shimbun

### In association with

National Institute of Advanced Industrial Science and Technology; National Traffic Safety and Environment Laboratory; Japan Automobile Research Institute; Association of Private Universities of Japan; The Japan Association of Private Colleges and Universities; The Japan Association of Public Universities; Institute of National College of Technology; The Japan Federation of Engineering Societies; The Japan Rubber Manufacturers Association; The Society of Instrument and Control Engineers; Japan Lubricating Oil Society; The Japan Society of Mechanical Engineers; Japanese Society for Engineering Education; Japan Machine Tool Builders Association; The Society of Rubber Industry, Japan; The Society of Materials Science, Japan; Japan Automobile Tyre Manufacturers Association; Japan Society for Design Engineering; Japan Land Engine Manufacturers Association; The Japan Welding Society; Japan Auto-Body Industries Association; Japan Automobile Service Promotion Association; Japan Automotive Machinery & Tool Manufacturers Association; Japan Automobile Federation; Japan Automobile Dealers Association; Japan Society of Civil Engineers; Japan Automobile Maintenance Colleges Association; The Institute of Electrical Engineers of Japan

### ■ Board of Formula SAE Japan

Chairman	Seigo Kuzumaki	Toyota Motor Corporation
Vice Chairman	Hiroshi Takemura	Honda Motor Co.,Ltd.
	Shunichi Toyomasu	Nissan Motor Co.,Ltd.
	Yuichi Azuma	Society of Automotive Engineers of Japan,Inc.
Members	Miki Ibaraki	Daihatsu Motor Co.,Ltd.
	Masashi Oshita	Japan Auto Parts Industries Association
	Tetsuo Onuki	SUBARU
	Yasuo Ozawa	Aisin Seiki Co.,Ltd.
	Keiichi Kitazawa	Hino Motors,Ltd.
	Hajime Kumabe	DENSO Corporation
	Makoto Shimamoto	Yamaha Motor Co.,Ltd.
	Hiroshi Nakahara	Kawasaki Heavy Industries, Ltd.
	Toshiharu Nogi	Hitachi Automotive Systems, Ltd.
	Toru Hara	Mitsubishi Motors Corporation
	Mitsuo Hitomi	Mazda Motor Corporation
	Hirohide Furutani	National Institute of Advanced Industrial Science and Technology
	Yasuhiro Honda	Kokushikan University
	Shigeo Yamagishi	Suzuki Motor Corporation
	Kazutoshi Yoshida	Japan Auto-Body Industries Association Inc.

### ■ Formula SAE Japan Rules Committee

Chairman	Takuya Saito	SGL Carbon Japan
Vice Chairman	Natsuo Tsuji	DENSO CORPORATION
Members	Kazunari Shirai	DENSO CORPORATION
	Ken Suzuki	Volunteer
	Hiroataka Nakazawa	Honda R&D Co.,Ltd.
	Hideyuki Nishi	Mazda Motor Corporation
	Junichi Hasegawa	Toyota Motor Corporation
	Yasuhiro Honda	Kokushikan University
	Takahiko Masuda	SHOWA CORPORATION
	Takanari Matsuura	HORIBA, Ltd.
	Hiroaki Mizutani	Toyota Motor Corporation

### ■ Execution Committee for 2019 Formula SAE Japan

Chairman	Hiroataka Nakazawa	Honda R&D Co.,Ltd.
Vice Chairman	Hiroaki Mizutani	Toyota Motor Corporation
Members	Hiroshi Enomoto	Kanazawa University
	Yu Oowada	Nissan Motor Co.,Ltd.
	Nobuyuki Okizono	Mazda Motor Corporation
	Hideki Oka	Suzuki Motor Corporation
	Yoshio Kano	Kanagawa Institute of Technology
	Hiroki Kamei	Mitsubishi Motors Corporation
	Takuya Saito	SGL Carbon Japan
	Ryosuke Shimizu	Yamaha Motor Co.,Ltd.
	Kazunari Shirai	DENSO CORPORATION
	Ken Suzuki	Volunteer
	Yoshikazu Suzumura	Aisin Seiki Co.,Ltd.
	Hirofumi Tanaka	Daihatsu Motor Co.,Ltd.
	Takashi Tsuchiya	Fukui University of Technology
	Koichi Nakayama	Nissan Motor Co.,Ltd.
	Hideyuki Nishi	Mazda Motor Corporation
	Junichi Hasegawa	Toyota Motor Corporation
	Ken Hayakawa	SUBARU
	Mitsuhiro Fukuta	Shizuoka University
	Yasuhiro Honda	Kokushikan University
	Takahiko Masuda	SHOWA CORPORATION
	Yoshihiro Masuda	ZEST Co.,Ltd.
	Takanari Matsuura	HORIBA, Ltd.
	Makoto Matsuoka	Honda Motor Co.,Ltd.
	Yasuhiro Mori	Toyota Industries Corporation
	Takashi Yamamoto	DENSO CORPORATION

# Team Information (Vehicle Specifications)

Car No	School Name	Color s	Frame	Body-work	Suspension ①Front ②Rear	①Overall Length	②Overall Height	③Gross Vehicle Mass
						③Wheelbase	④Front Track	⑤Rear Track
1	Osaka University	lime green & black	steel spaceframe	CFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2835 mm ③ 1575 mm ⑤ 1230 mm	② 1260 mm ④ 1270 mm	① 213 kg ② 47.5 : 52.5 ③ 30 mm
2	Kyoto Institute of Technology	Blue & Black	steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 3010 mm ③ 1700 mm ⑤ 1200 mm	② 1200 mm ④ 1200 mm	① 190 kg ② 45 : 55 ③ 30 mm
3	Tongji University	red, black & gray	carbon fiber monocoque+steel space frame	Fiber-carbon	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2931 mm ③ 1556 mm ④ 1206 mm	② 1188 mm ⑤ 1186 mm	① 210 kg ② 46 : 54 ③ 30 mm
4	Meijo University	blue	steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 3013 mm ③ 1700 mm ⑤ 1150 mm	② 1150 mm ④ 1150 mm	① 195 kg ② 50 : 50 ③ 40 mm
5	Shibaura Institute of Technology	black & orange	steel spaceframe	Fiber-carbon	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2860 mm ③ 1570 mm ⑤ 1020 mm	② 1180 mm ④ 1355 mm	① 230 kg ② 48 : 52 ③ 30 mm
6	Tokai University	Blue	Full CFRP Monocoque	Carbon-fiber	① Double unequal length A-arm Push rod ② Double unequal length A-arm Pull rod	① 3024 mm ③ 1700 mm ⑤ 1250 mm	② 1198 mm ④ 1250 mm	① 220 kg ② 47 : 53 ③ 35 mm
7	Nagoya Institute of Technology	Blue & Black	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2930 mm ③ 1660 mm ⑤ 1250 mm	② 1175 mm ④ 1300 mm	① 180 kg ② 47 : 53 ③ 35 mm
8	Kobe University	Navy	steel spaceframe	CFRP	① Double unequal length A-Arm Pull rod ② Double unequal length A-Arm Push rod	① 3112 mm ③ 1739 mm ⑤ 1200 mm	② 1125 mm ④ 1220 mm	① 225 kg ② 44 : 56 ③ 30 mm
9	Tokyo University of Science	Black & Pink	steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 3100 mm ③ 1700 mm ⑤ 1300 mm	② 1200 mm ④ 1300 mm	① 215 kg ② 45 : 55 ③ 25 mm
10	Yokohama National University	Wine Red & Black	steel spaceframe	CFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2891 mm ③ 1840 mm ⑤ 1270 mm	② 1490 mm ④ 1270 mm	① 216 kg ② 45 : 55 ③ 30 mm
11	University of Fukui	Orange	Steel Spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2900 mm ③ 1800 mm ⑤ 1200 mm	② 1185 mm ④ 1200 mm	① 270 kg ② 45 : 55 ③ 35 mm
12	Shizuoka University	Orange & Black	steel spaceframe	Fiber-carbon	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 3116 mm ③ 1800 mm ⑤ 1320 mm	② 1319 mm ④ 1320 mm	① 219.4 kg ② 47.6 : 52.4 ③ 30 mm
13	Ibaraki University	Black & Red & White	steel spaceframe	CFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 3041 mm ③ 1700 mm ⑤ 1250 mm	② 1217 mm ④ 1250 mm	① 190 kg ② 45 : 55 ③ 25 mm
14	Tokyo University of Agriculture and Technology	Metalic Green	steel spaceframe	GFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 3050 mm ③ 1800 mm ⑤ 1200 mm	② 1050 mm ④ 1200 mm	① 245 kg ② 45 : 55 ③ 30 mm
15	Tokyo City University	blue and black	steel spaceframe	Aluminium plate	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Pull rod	① 3200 mm ③ 1700 mm ⑤ 1290 mm	② 1100 mm ④ 1290 mm	① 230 kg ② 45 : 55 ③ 30 mm
16	Nippon Institute of Technology	pink	steel spaceframe	CFRP	① Double unequal length A-arm Direct damper ② Double unequal length A-arm Push rod	① 2683 mm ③ 1560 mm ⑤ 1250 mm	② 1135 mm ④ 1250 mm	① 199 kg ② 50 : 50 ③ 30 mm
17	Kasetsart University	White, Green, Black	steel spaceframe	Carbon Fiber	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 3150 mm ③ 1700 mm ⑤ 1250 mm	② 1190 mm ④ 1300 mm	① 230 kg ② 48 : 52 ③ 60 mm
18	Universitas Negeri Yogyakarta	white, navy, black	steel tube frame	Carbon Fiber	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2871 mm ③ 1550 mm ⑤ 1100 mm	② 1191 mm ④ 1150 mm	① 205 kg ② 45 : 55 ③ 59 mm
19	Sanyo-onoda City University	Orange	steel spaceframe	GFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Pull rod	① 2588 mm ③ 1625 mm ⑤ 1200 mm	② 1056 mm ④ 1200 mm	① 215 kg ② 45 : 55 ③ 37 mm
20	Waseda University	Crimson and White	steel spaceframe	GFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2865 mm ③ 1540 mm ⑤ 1090 mm	② 1106 mm ④ 1140 mm	① 235 kg ② 41 : 59 ③ 30 mm
21	Shizuoka Institute of Science and Technology	LEYTON Blue	steel spaceframe	CFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2950 mm ③ 1700 mm ⑤ 1200 mm	② 1090 mm ④ 1250 mm	① 200 kg ② 45 : 55 ③ 40 mm



Wheels & Tires	① Engine ② Displacement ③ max. power ④ max. torque	Induction type Fuel tank Volume	Shifter	Final Drive & Differential	Brakes ① Front ② Rear	Unique Features & Notes
10 inch OZ Hoosier LC0 10×6×16	① ZX636EE ② 636 cc ③ 74 ps/11000 rpm ④ 5.7 kgf/8000 rpm	Naturally aspirated 4.9 L	Pneumatic shifter auto rev matching	Chain & Mechanical clutch	① 2 outboard ② 2 outboard Wilwood calipers	① Electric Throttle Control ② Variable engine brake
10 inch 6RAZEE MG 16 ×6.0-10 LC0 Hoosier	① SUZUKI LTR-450 K9 L404 bore-up ② 474 cc ③ 43 kW/8800 rpm ④ 53 Nm/7100 rpm	Naturally aspirated 3.35 L	Manual	Chain Drive LSD	① 2 outboard ② 2 outboard Nissin calipers	inertor
13 inch O.Z. Magnesium alloy rim Continental 205/470R13	① Suzuki GSX-R600 ② 599 cc ③ 55 kW/12000 rpm ④ 49 Nm/7500 rpm	Naturally aspirated 4.6 L	pneumatic paddle shifting	Chain drive CUSCO LSD Differential	① Floating disk ② Floating disk ISR calipers	Full set of aerodynamic package Launch Control Monocoque Electronic Throttle 3rd Spring Electrical Clutch
F : 10 inch Kizer wheel R : 10 inch Douglas wheel 7.5/16.0-10 Hoosier	① YAMAHA YZ450F J342E ② 449 cc ③ 34 kW/8200 rpm ④ 41 Nm/7000 rpm	Naturally aspirated 3.5 L	Sequential Manual	Chain Drive LSD	① 2 outboard Nissin calipers ② 2 outboard Nissin calipers	New Engine, Quick Steering
13 inch OZ Racing Continental C17	① PC40E HONDA CBR600RR ② 599 cc ③ 68 ps/11000 rpm ④ 5.4 kgf/9000 rpm	Naturally aspirated 5.2 L	Manual	Chain drive Spool	① 2 outboard Wilwood calipers ② 1 inboard Brembo caliper	
10 inch OZ Racing Formula Student Magnesium CL wheel 16.0 ×6.0-10 Hoosier LC0	① SUZUKI SV650 Bore Up ② 693.8 cc ③ 53 kW/8000 rpm ④ 66.4 Nm/6500 rpm	Naturally aspirated 5.5 L	Pneumatic Shifter	Shaft Drive & DREXLER Motorsports LSD	① 2 outboard AP Caliper ② 2 outboard AP Caliper	Full CFRP Monocoque Paddle Shift System Electric Clutch System
10 inch KEIZER WHEEL Fr 16.0×6.0 - 10 Rr 16.0×7.5 - 10	① YAMAHA YZ450FX ② 500 cc ③ 5.3 kgf/6400 rpm ④ 56 ps/9000 rpm	Naturally aspirated 3.2 L	Manual	Shaft drive & F.C.C Track	① 2 outboard ② 2 outboard Wilwood calipers	Hi down force and Light weight vehicle
10 inch Keizer 18.0×7.5-10 Hoosier Bias	① Kawasaki ZX-6R 636E ② 636 cc ③ 57 kW/12000 rpm ④ 52 Nm/7000 rpm	Natural aspiration 4.0 L	Manual	Chain Drive FCCTAC	① 2 outboard ② 2 outboard Wilwood Calipers	Center-Locking Wheel Front & Rear Wing Center & Side Diffuser CFRP Intake
13 inch Center-Locking OZ Wheel Continental	① PC40EHONDA CBR600RR ② 599 cc ③ 56 ps/8500 rpm ④ 5.3 kgf/5600 rpm	Naturally aspirated 4.3 L	Manual	Chain Drive LSD (DREXLER)	① 2 inboard Brembo calipers ② 2 outboard Wilwood calipers	DRS
10 inch BRAID STURACE CABON FIBER 16.0×7.5 Hossier	① PC40EHONDA CBR600 ② 599 cc ③ 82 ps/11000 rpm ④ 4.6 kgf/6500 rpm	Naturally aspirated 3.2 L	Manual	Shaft & bevel gear drive Cam type LSD	① 2 outboard ② 2 outboard Nissin calipers	Lightning Driver switch
13 inch OZ Formula Student 20.5×7.0-13 Hoosier R25B	① Suzuki GSX-R600 L3 ② 600 cc ③ 59 kW/12000 rpm ④ 53 Nm/10000 rpm	Naturally aspirated 5.2 L	Manual	Chain Drive ATS LSD	① 2 outboard ② 2 outboard Nissin calipers	
10 inch ENKEI Wheel Hoosier	① SUZUKI GSX-R600 L5 ② 599 cc ③ 70 ps/12000 rpm ④ 56 Nm/7750 rpm	Naturally aspirated 4.8 L	Electric Shifter	ShaftTorsen	① 2 outboard AP racing calipers ② 2 outboard AP racing calipers	Paddle Shift System & Long Wheelbase
10 inch Keizer Aluminum Wheels Hoosier 16.0 × 10.0-6.0 R25B	① Hasqvarna 701 supermoto ② 692 cc ③ 42 kW/8000 rpm ④ 50 Nm/6000 rpm	Naturally aspirated	Pneumatic paddle shifter	Chain Drive LSD	① 2 outboard ② 1 inboard	Pneumatic shifter, Intake Manifold Pressure Control Valve
10 inch Keizer 18.0×6.0-10 Hoosier R25B	① PC40E HONDA CBR600RR ② 599 cc ③ 57 ps/9000 rpm ④ 5.3 kgf/7200 rpm	Naturally aspirated 5.0 L	Manual	Chain Drive F.C.C. TRAC	① 2 outboard ② 2 outboard Nissin calipers	Long wheelbase
10 inch braid tenrace 18.0×7.5-10 Hoosier	① PC40E HONDA CBR600RR ② 600 cc ③ 80 ps/11500 rpm ④ 5.4 kgf/7000 rpm	Naturally aspirated 5 L	Manual	Chain Drive CUSCO LSD	① 2 outboard ② 2 outboard	wing
10 inch BRAID 18×7.5-10R25B Hoosier	① PC44E HONDA CB500F ② 471 cc ③ 35 kW/8500 rpm ④ 43 Nm/7000 rpm	Naturally aspirated 2.9 L	Manual	Chain Drive & F.C.C. TRAC	Brakes ① 2 outboard ② 2 outboard Nissin calipers	Parallel Twin Engine, Quickshifter
10 inch CL OZ Racing wheel 16 inch Hoosier Bias	① Kawasaki zx6r ② 636 cc ③ 102 bhp/10500 rpm ④ 74 Nm/9000 rpm	Naturally aspirated 4.5 L	paddle shift pneumatic system	Drexler Formula Student LSD	① 4 port caliper ② 2 port caliper ISR calipers	Unique Suspension & Dual injectors system
10 inch Keizer Aluminum Wheels HOOSIER 6.0/18.0-10, LC0 & R25B	① Husqvarna SM 360 ② 600 cc ③ 18.7 kW/7,000 rpm ④ 48 Nm/5200 rpm	Naturally aspirated 4.49 L	Manual	Drive Chain with Drexler LSD	① Wilwood PS-1 Calipers ② Wilwood PS-1 Calipers	Adjustable Weight Distribution with Push and Pull Rod, Aluminum Rear Bulkhead
10 inch Keizer 16.0×7.5-10 Hoosier R25B	① PC40E HONDA CBR600RR ② 600 cc ③ 75 ps/11500 rpm ④ 5.4 kgf/7000 rpm	Naturally aspirated 4.8 L	Manual	Chain Drive F.C.C TRAC	① 2 opposing piston Nissin calipers ② 2 opposing piston Nissin calipers	
13 inch OZ Racing 7J 20.5×7.0-13 Hoosier R25B, Bias	① SUZUKI GSX-R600 L4 ② 599 cc ③ 61 ps/8800 rpm ④ 5.7 kgf/7400 rpm	Naturally aspirated 6.0 L	6-Speed Manual Sequential	Chain Drive F.C.C TRAC LSD, Cam & Pawl	① 2 outboard Brembo Calipers ② 2 outboard Brembo Calipers	Full Stainless-Steel Tubing Brake Line
DOUGLAS 6.0/18.0-10 10 inch Hoosier	① SUZUKI RMX-450Z ② 449 cc ③ 40 ps/8500 rpm ④ 3.6 kgf/7000 rpm	Naturally aspirated 4.0 L	Paddle	Chain Drive LSD (DREXLER)	① 2 outboard ② 2 outboard MV AGUSTA	Moveable Pedal Box Paddle shift

# Team Information (Vehicle Specifications)

Car No	School Name	Color s	Frame	Body-work	Suspension ①Front ②Rear	①Overall Length	②Overall Height	①Gross Vehicle Mass
						③Wheelbase ④Front Track	⑤Rear Track	②Fr.Rr Weight Dist. ③Ground Clearance
22	Universitas Gadjah Mada	Red and White	Steeltube Spaceframe	Fiber-glass	① Double unequal unparallel A-arm Pull rod ② Double unequal unparallel A-arm Push rod	① 3040 mm ③ 1550 mm ⑤ 1200 mm	② 1170 mm ④ 1220 mm	① 189.1 kg ② 49.3 : 50.7 ③ 40 mm
23	Nihon Automobile College	Red	Steel spaceframe	GFRP	① Double unequal length A-Arm Push rod ② Double unequal length A-Arm Push rod	① 2725 mm ③ 1650 mm ⑤ 1230 mm	② 1140 mm ④ 1240 mm	① 250 kg ② 47 : 53 ③ 35 mm
24	Aichi Institute of Technology	Black	steel spaceframe	Fiber-carbon	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2700 mm ③ 1562 mm ⑤ 1230 mm	② 1260 mm ④ 1230 mm	① 210 kg ② 48 : 52 ③ 30 mm
25	HONDA Technical College Kannto	White	steel spaceframe	PET	① Variable adjust double wishbone ② Variable adjust double wishbone	① 2800 mm ③ 1800 mm ⑤ 1300 mm	② 950 mm ④ 1300 mm	① 160 kg ② 47 : 53 ③ 30 mm
26	Kyoto University	White, Black & Blue	Carbon monocoque & Steel space frame	CFRP	① Double unequal length A-arm Push rod ② Upper locking arm and lower A-arm	① 3232 mm ③ 1920 mm ⑤ 1300 mm	② 1080 mm ④ 1300 mm	① 198 kg ② 45 : 55 ③ 10 mm
27	Prince of Songkla University	Blue	Steel Spaceframe	Carbon Fiber	① Double unequal length A-arm w/spring,and damper ② Double unequal length A-arm w/spring,and damper	① 2835 mm ③ 1600 mm ⑤ 1280 mm	② 1260 mm ④ 1280 mm	① 200 kg ② 45 : 55 ③ 40 mm
28	Sophia University	Red	Aluminum monocoque and steel frame	Aluminum	① Double unequal length A-arm Push rod ② Double unequal length A-arm Pull rod	① 2920 mm ③ 1550 mm ⑤ 1180 mm	② 1200 mm ④ 1200 mm	① 170 kg ② 43 : 57 ③ 30 mm
29	University of Yamanashi	Blue	steel spaceframe	GFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2898 mm ③ 1580 mm ⑤ 1240 mm	② 1250 mm ④ 1240 mm	① 250 kg ② 40 : 60 ③ 30 mm
30	Teikyo University	blue	steel spaceframe	GFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2900 mm ③ 1600 mm ⑤ 1272 mm	② 1330 mm ④ 1272 mm	① 255 kg ② 40 : 60 ③ 58 mm
31	Kyushu Institute of Technology	Red	steel spaceframe	GFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Pull rod	① 3012 mm ③ 1720 mm ⑤ 1300 mm	② 1172 mm ④ 1300 mm	① 230 Kg ② 45 : 55 ③ 30 mm
32	Chiba University	black	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2945 mm ③ 1800 mm ⑤ 1275 mm	② 1105 mm ④ 1275 mm	① 268 kg ② 45 : 55 ③ 30 mm
33	Osaka Institute of Technology	Black & Orange	steel spaceframe	CFRP & GFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① mm ③ 1550 mm ⑤ 1240 mm	② 1260 mm ④ 1240 mm	① 260 kg ② 45 : 55 ③ 30 mm
34	Saitama University	Green and Silver	steel spaceframe	CFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2823 mm ③ 1700 mm ⑤ 1231 mm	② 1136 mm ④ 1231 mm	① 250.6 kg ② 42.3 : 57.7 ③ 42 mm
35	Gifu University	Black	Steel space Frame	CFRP	① Double unequal length A-Arm Push rod ② Double unequal length A-Arm Push rod	① 2630 mm ③ 1650 mm ⑤ 1200 mm	② 1200 mm ④ 1200 mm	① 230 kg ② 48 : 52 ③ 35 mm
37	Okayama University	Lime Green	Steel spaceframe	Fiber-glass	① Double wishbone, unequal length A-Arm, push rod actuated horizontally oriented spring and damper ② Double wishbone, unequal length A-Arm, push rod actuated horizontally oriented spring and damper	① 2719 mm ③ 1650 mm ⑤ 1300 mm	② 1480 mm ④ 1300 mm	① 190 kg ② 48 : 55 ③ 30 mm
38	Osaka Sangyo University	red/black/white	steel spaceframe	CFRP & GFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Pull rod	① 3140 mm ③ 1750 mm ⑤ 1300 mm	② 1150 mm ④ 1300 mm	① 244 kg ② 48 : 52 ③ 35 mm
39	Institute of Technologists	buie	steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2821 mm ③ 1650 mm ⑤ 1240 mm	② 1200 mm ④ 1240 mm	① 240 kg ② 45 : 55 ③ 30 mm
40	Kanazawa Institute of Technology	Red, Black & Yellow	steel spaceframe	CFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 3043 mm ③ 1630 mm ⑤ 1200 mm	② 1209 mm ④ 1200 mm	① 240 kg ② 47 : 53 ③ 40 mm
41	The University of Kitakyushu	Green and White	steel spaceframe	fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2420 mm ③ 1700 mm ⑤ 1200 mm	② 1255 mm ④ 1200 mm	① 260 kg ② 43 : 57 ③ 100 mm
43	Toyota Technical College Nagoya	Red & Blue	steel spaceframe	FRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2830 mm ③ 1620 mm ⑤ 1250 mm	② 1095 mm ④ 1300 mm	① 240 kg ② 50 : 50 ③ 50 mm
44	Niigata University	Deep green	steel spaceframe	GFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Pull rod	① 2762 mm ③ 1690 mm ⑤ 1220 mm	② 1212 mm ④ 1220 mm	① 242 kg ② 50 : 50 ③ 35 mm



Wheels & Tires	① Engine ② Displacement ③ max. power ④ max. torque	Induction type Fuel tank Volume	Shifter	Final Drive & Differential	Brakes ① Front ② Rear	Unique Features & Notes
10 inch Keizer 18×6.0-10 LCO Hoosier	① KTM 450 SX-F ② 449.9 cc ③ 31.23 hp/8500 rpm ④ 32.344/6800 rpm	Natural induction 6.75 L	Manual	Chain and Sprocket, LSD Drexler FSAE v1	① AP Racing CP4227, 4 Pot dia 25.4 mm 2 Pc. Aluminum ② AP Racing CP4227, 2 Pot dia 25.4 mm 2 Pc. Aluminum	Launch Control, Anti Roll Bar, Double Layer Rear Wing
13 inch TWS 20.0×7.5-13 Hoosier	① M403E YAMAHA MT-07 ② 688 cc ③ 71.8 ps/8800 rpm ④ 6.21 kgf/6000 rpm	Naturally aspirated 4.2 L	Electric Shifter	Chain Drive & Drexler Motorsport LSD	① 2 outboard ② 2 outboard Wilwood calipers	Long Wheelbase and Safety
13 inch OZ-Racing 21.0-6.5-13 Hoosier	① YAMAHA YZ450FX ② 449 cc ③ 45 kW/8000 rpm ④ 5.4 kgf/6500 rpm	Naturally aspirated 4.9 L	Manual	split pin clutch pack limited slip	① 2 outboard ② 2 outboard Nissin calipers	High quality and neat car
10 inch OZ Racing Magnesium Wheel Hoosier 16.0×7.5-10	① PE07E HONDA CRF450RX ② 450 cc ③ 75 ps/11500 rpm ④ 5.4 kgf/7000 rpm	Naturally aspirated 2.7 L	Manual Paddle Shifter	Chain Drive DRXELER LSD	① 2 outwheel AJP 4pod Caliper ② Single inboard sprocket breake AJP 4pod Caliper	UNICAM center pivot geometry low center of gravity driving position resin hose cooling system 3Dprinter steering wheel
10 inch Original Carbon Wheel 16.0/6.0-10 Hoosier LCO	① Kawasaki ER650 ② 649 cc ③ 68 ps/8000 rpm ④ 6.6 kgf/6500 rpm	Naturally aspirated 4.2 L	Semi-automatic	Shaft Drive & ATS LSD	① 2 outboard Frando Calipers ② 2 outboard Willwood Calipers	Seamless Transmission, Carbon Wheel and Carbon Arm
OZ Magnesium CL10 inch & 16.0×6.0-10 inch, LCO, Hoosier	① Kawasaki ER-6N ② 649 cc ③ 67.3 hp/8000 rpm ④ 565.7 Nm/6500 rpm	Naturally aspirated 4 L	Electronic Gear Shift	Spoon & Chain Drive	① Disc brake w/Brembo caliper ② Disc brake w/AP caliper	
10 inch OZ Racing Magnesium wheel Hoosier LCO 16×6-10	① YAMAHA YZ450FX ② 500 cc ③ 53 bhp/9200 rpm ④ 46 Nm/4600 rpm	Naturally Aspirated 4.5 L	Manual	Chain Drive DRXELER LSD	① 4 piston ISR Calipers ② 2 piston ISR Calipers	Alminum Monocoque
13 inch OZ Racing 7J 20.5×6.0-13 Hoosier	① P515SUZUKI V-Strom650 ② 645 cc ③ 66 ps/8,800 rpm ④ 6.0 kgf/6,500 rpm	Naturally aspirated 5 L	Manual	Shaft Drive & F.C.C TRAC	① 2 outboard ② 2 outboard Nissin calipers	Front Foop is made of abended square pipe
13 inch OZ Racing 20.5×6.0-13 Hoosier	① PC40E HONDA CBR600RR ② 599 cc ③ 63 ps/9300 rpm ④ 5 kgf/8800 rpm	Naturally aspirated 6.0 L	Manual	Chain Drive FCC TRAC	① 2 outboard ② 2 outboard Nissincaliper	
keizer 10 inch Hoosier 18.0×7.5-10i R25B	① Kawasaki ZX636E ② 636 cc ③ 81 ps/14000 rpm ④ 60 Nm/7000 rpm	Naturally aspirated 4.5 L	Manual	Chain Drive & FCC TRAC	① 2 outboard breombo calipers ② 2 outboard breombo calipers	Ignition Cut Aero Device
10 inch Briad STURACE CARBON FIBER 16.0×7.5-10 R25B Hoosier	① YAMAHA YZF-R6 4 cylinder ② 599 cc ③ 79 ps/10500 rpm ④ 5.7 kgf/8500 rpm	Naturally aspirated 4.3 L	Manual	Chain Drive DRXELER L.S.D.	① 2 outboard ② 2 outboard Nissin calipers	Two Pedals
13 inch OZ Racing 20.5×7.0-13 Hoosier R25B	① SUZUKI GSX-R600 ② 599 cc ③ 70 ps/10500 rpm ④ 5.4 kgf/8000 rpm	Naturally aspirated 4.2 L	Pneumatic Shifter	Chain Drive & FCCTRAC	① 2 outboard ② outboard Nissin calipers	Front & Rear Wing Diffuser
13 inch OZ-Racing Aluminum 4H Hoosier R25B_20.0 7.5-13	① PC40E_HONDA_CBR600RR ② 599 cc ③ 69 ps/10000 rpm ④ 5.7 kgf/9000 rpm	Naturally aspirated 6.0 L	Manual	Chain Drive F.C.C TRAC	① 2 outboard ② 2 inboard Nissin calipers	
13 inch RAYS TE37 20.5×6.0-13 R25B Hoosiar	① GSX-R600 L3 ② 599 cc ③ 44 kW/9000 rpm ④ 54 Nm/7000 rpm	Naturally aspirated 5.0 L	Manual, Electric Shift (Servo Motor)	Shaft Drive & F.C.C.TRAC LSD	① 2 outboard Nissin caliper ② 2 outboard Nissin caliper	
10 inch Kaiser & 18.0×6.0-10 R25B Hoosier	① Kawasaki/KX450 ② 449 cc ③ 39 kW/10500 rpm ④ 42 Nm/7000 rpm	Naturally, aspirated 3.5 L	Manual	Chain drive & F.C.C Track	① 2 outboards Nissin calipers ② 2 outboards AP Racing calipers	
10 inch Keizer 20.5×7.5-10 Hoosier Bias	① Kawasaki ZX636EE ② 636 cc ③ 62.1 ps/9800 rpm ④ 5.1 kgf/7900 rpm	Naturally aspirated 3.8 L	Electric acuated	Chain Drive & FCCTRAC limited slip	① 2 Outboard Disk ② 2 Outboard Disk	
10 inch Hoosier 18.0×6.0-10 ROAD RACING	① CBR600RR ② 599 cc ③ 69 ps/11500 rpm ④ 5.2 kgf/8500 rpm	Naturally aspirated 5 L	Manual	ShaftTorsen	① 1outboard Nissin calipers ② 1outboard Nissin calipers	
13 inch TWS Mg Wheel, 20.5×7.0-13 R25B Hoosier	① SUZUKI GSX-R600 ② 599 cc ③ 75 ps/9800 rpm ④ 56.3 Nm/9600 rpm	Naturally aspirated 5.0 L	Manual	Chain Drive, F.C.C. TRAC, LSD	① 2 outboard Wilwood calipers ② 2 outboard Wilwood calipers	Full Aero Device
13 inch OZ Formula Student DUNLOP SLICK Radial 190/505R13 13 inch RAYS TE37 DUNLOP DIREZZA 03G 175/60R13	① ER650H Kawasaki Z650 ② 649 cc ③ 54 ps/7800 rpm ④ 5.5 kgf/6900 rpm	Naturally aspirated 4.1 L	Manual	Chain Drive FCC TRAC	① 2 outboard ② 2 outboard Nissin calipers	
Wheels 13 inch RAYS TE37 & Tires Good year EAGLE RS 20×7.0J-13	① 13ST YAMAHA YZF-R6 ② 599 cc ③ 74.4 ps/9500 rpm ④ 5.8 kg/9000 rpm	Naturally 5.0 L	Manual Paddle Shift	Chain Drive FCC LSD	① 2 outboard ② 2 outboard Nissin calipers	Twin Injector System
13 inch OZ Racing Magnesium 190/505_13 DUNLOP	① SUZUKI GSX-R600 (L5) ② 599 cc ③ 69.4 ps/10163 rpm ④ 5.4 kgf/9402 rpm	Naturally aspirated 6.5 L	Manual	Chain Drive & FCC	① 2 outbord ② 2 outbord Nissin calipers	

# Team Information (Vehicle Specifications)

Car No	School Name	Color s	Frame	Body-work	Suspension ①Front ②Rear	①Overall Length ②Overall Height ③Wheelbase ④Front Track ⑤Rear Track			①Gross Vehicle Mass ②Fr.Rr Weight Dist. ③Ground Clearance		
45	Kanazawa University	Black, Blue	steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Pull rod	① 2855 mm ③ 1600 mm ⑤ 1250 mm	② 1130 mm ④ 1250 mm	① 190 kg ② 49 : 51 ③ 30 mm			
46	Tottori University	Black	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2589 mm ③ 1600 mm ⑤ 1220 mm	② 1372.70 mm ④ 1220 mm	① 227 kg ② 45 : 55 ③ 67.30 mm			
47	Doshisha University	black	steel spaceframe	GFRP	① Double unequal length A-arm Push Rod ② Double unequal length A-arm Push Rod	① 2685 mm ③ 1550 mm ⑤ 1220 mm	② 1200 mm ④ 1250 mm	① 240 kg ② 46 : 54 ③ 35 mm			
49	Ritsumeikan University	Black/Red/White	steel spaceframe	CFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2914 mm ③ 1700 mm ⑤ 1250 mm	② 1160 mm ④ 1250 mm	① 240 kg ② 47 : 53 ③ 35 mm			
50	Institut Teknologi Sepuluh Nopember	Black	Steel Spaceframe	Fiber Glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Pull rod	① 2732 mm ③ 1560 mm ⑤ 1200 mm	② 1356 mm ④ 1260 mm	① 250 kg ② 48 : 52 ③ 50 mm			
51	Setsunan University	White	steel spaceframe	Fiber-glass	Suspension ① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2440 mm ③ 1750 mm ⑤ 1200 mm	② 1267 mm ④ 1200 mm	① 230 kg ② 40 : 60 ③ 45 mm			
52	College of Science and Technology, Nihon University	blue & black	steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 3100 mm ③ 1600 mm ⑤ 1214 mm	② 1190 mm ④ 1214 mm	① 245 kg ② 48 : 52 ③ 25 mm			
53	Kurume Institute of Technology	White Blue Black	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2840 mm ③ 1635 mm ⑤ 1255 mm	② 1255 mm ④ 1255 mm	① 195 kg ② 45 : 55 ③ 50 mm			
54	Shizuoka Professional College Of Automobile Technology	White/Blue	steel spaceframe	Fiber-glass	① Double wishbone suspension A-arm Push rod ② Double wishbone suspension A-arm Push rod	① 2680 mm ③ 1700 mm ⑤ 1250 mm	② 1184 mm ④ 1250 mm	① 200 kg ② 47 : 53 ③ 20 mm			
55	Sebelas Maret University	Blue, black, yellow, orange	STKM 11A	Composite	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Pull rod	① 2943 mm ③ 1549 mm ⑤ 1214 mm	② 1309 mm ④ 1196 mm	① 250 kg ② 48 : 52 ③ 83 mm			
56	The University of Tokyo	Blue, Black and White	Steel Spaceframe	GFRP	① Unequal length Double A-arms with Push rod ② 4-link De Dion axle with Push rod	① 2542 mm ③ 1700 mm ⑤ 1200 mm	② 1204 mm ④ 1250 mm	① 276 kg ② 43 : 57 ③ 30 mm			
57	KYUSHU University	Yellow	steel spaceframe	Fiber-glass	① Double equal length A-arm Pull rod ② Double equal length A-arm Push rod	① 2550 mm ③ 1700 mm ⑤ 1200 mm	② 1250 mm ④ 1200 mm	① 270 kg ② 45 : 55 ③ 50 mm			
58	Gunma University	Black	steel spaceframe	CFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2850 mm ③ 1590 mm ⑤ 1060 mm	② 1060 mm ④ 1060 mm	① 180 kg ② 49 : 51 ③ 30 mm			
59	Hiroshima Institute of Technology	White	steel spaceframe	GFRP	① Double unequal length A-arm Pull rod with Torsionbar ② Double unequal length A-arm Pull rod with Torsionbar	① 2596 mm ③ 1571 mm ⑤ 1062 mm	② 1243 mm ④ 1100 mm	① 180.5 kg ② 49 : 51 ③ 38 mm			
61	Kindai University	Black	steel spaceframe	GFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2780 mm ③ 1600 mm ⑤ 1200 mm	② 1235 mm ④ 1200 mm	① 230 kg ② 45 : 55 ③ 40 mm			
62	University of Toyama										
63	Osaka Prefecture University	light blue	steel spaceframe	GFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2800 mm ③ 1600 mm ⑤ 1250 mm	② 1200 mm ④ 1300 mm	① 250 kg ② 40 : 60 ③ 35 mm			
65	Meisei University	Black/Blue	Steel Spaceframe	Styrene Board-polyester	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2860 mm ③ 1750 mm ⑤ 1200 mm	② 1280 mm ④ 1200 mm	① 225 kg ② 50 : 50 ③ 64 mm			



Wheels & Tires	① Engine ② Displacement ③ max. power ④ max. torque	Induction type Fuel tank Volume	Shifter	Final Drive & Differential	Brakes ① Front ② Rear	Unique Features & Notes
10 inch keizer6J 2.0 slick 18.0×6.0-10 Hoosier Bias rain 19.5×6.5-10 Hoosier Bias	① SUZUKI LT-R450 ② 450 cc ③ 36 ps/8500 rpm ④ 39 Nm/6000 rpm	Naturally aspirated 4.0 L	Manual	Chain Drive, Mechanical LSD	① 2 outboard ② 2 outboard AP calipers	Aero devices
13 inch RAYS TE37 Hoosier 4316 20.5×7.0-13 (C2500)	① YAMAHA YZ450FX ② 449 cc ③ 40 ps/9000 rpm ④ 3.0 kgf/7000 rpm	Naturally aspirated 7.8 L	Manual	Chain Drive F.C.C TRAC	① 2 outboard ② 2 outboard Nissin calipers	
20.0×7.5-13 R25B, Hoosier	① ZX636E Kawasaki ZX-6R ② 636 cc ③ 9500 rpm ④ 8000 rpm	Naturally aspirated 4.0 L	Manual	ATS Copen LSD	① 2 outboard ② 2 outboard Nissin calipers	
13 inch OZ racing 20.5×7.0-13 Hoosier	① Kawasaki ZX-6R 09 ② 636 cc ③ 81 ps/9000 rpm ④ 6.5 kgf/8500 rpm	Naturally aspirated 5.9 L	Pneumatic paddle shifting	Chain Drive & LSD ATS	① 2 outboard ② 1 inboard Nissin calipers	
10 inch Keizer Aluminum Wheels 6.0/18.0-10 Hoosier Bias	① Kawasaki Ninja ZX 6R ② 600 cc ③ 109 ps/12000 rpm ④ 6.5 kgf/12000 rpm	Naturally aspirated 5.5 L	Manual	Clutch-Style Limited Slip Differential Vitz	① 2 outboard TDR Calipers ② 2 outboard TDR Calipers	Configurable Display Data Logger (RPM, Speed, Gear Indicator, Oil Pressure, & Coolant Temperature)
Wheels & Tires 13 inch RAYS 180/520-13 Hoosier	① SUZUKI GSX-R600 K6 ② 599 cc ③ 126 ps/13500 rpm ④ 6.9 kg-m/11500 rpm	Naturally aspirated 5.5 L	Shifter Manual Electromagnetic shifter	ShaftTorsen	① 2 Pot Nissin Caliper ② 2 Pot Brembo Caliper	
13 inch OZ Racing 20.5×7.0-13 R25 Hoosier Bias	① YAMAHA YZF-R6 ② 599 cc ③ 80 ps/10000 rpm ④ 5.5 kgf/9000 rpm	Naturally aspirated 6.8 L	Manual Sequential	Chain Drive LSD	① 2 outboard ② 2 outboard Brembo calipers	Electric wather pump
10 inch F LT-R450 R RS watanabe Magnesium 19.5×6.5-10 Hoosier Slick	① L404 SUZUKI LT-R450 ② 450 cc ③ 55 ps/7000 rpm ④ 5.2 kgf/6500 rpm	Turbo charged 4 L	Manual	Chain Drive F.C.C LSD	① 2 outboard ② 1 inboard Brembo calipers	Electronic throttle
10 inch A · R · T wheels 16×6.0-10 LC0 Hoosier	① SUZUKI RMX450 ② 450 cc ③ 38 ps/7500 rpm ④ 3.3 kgf/7000 rpm	Naturally aspirated 5 L	Manual	Chain Drive & FCC TRAC	① 2 outboard ② 2 outboard Frando F901 calipers	F/R Center Keel Suspension
10 inch Keizer 19.5×6.5 - 10 ROAD RACING Hoosier	① HONDA CB 400 ② 399 cc ③ 53 hp/10500 rpm ④ 38 Nm/7000 rpm	The induction system using throttle body OEM Yamaha Vixion (Size : 28 mm with tps, IAT sensor, and MAP Sensor) and using induction tank or plenum (Volume : 1.2 L). The injector using OEM Yamaha Vixion with four injectors that mounted on the runner. The fuel tank material is Aluminum sheet and all material that welded with TIG	1. Manual mechanism with lever on cockpit and lever on engine. It connected with sling cable transmission 2. Electrical shifter with solenoid and the button on steering wheel	1. Toyota Racing Development (TRD) 2. OEM Toyota Yaris 3. LSD mechanism with clutch (LSD type : 1.5 way).	① Brembo 4 piston thailand edition, Kawahara Racing Disc Brake (size 190 mm, 3.5 mm thickness) . ② TDR 2 piston, Yamaha Mio Disc Brake (size 190 mm, 3 mm minimum thickness)	Two Shifter System
13 inch OZ Racing Hoosier 20.5×7.0-13	① Suzuki P506 ② 638 cc ③ 45 kW ④ 6 kgf/6000 rpm	Turbo-charged 8.5 L	eCVT	Chain Drive FCC TRAC	① 2 outboard Nissin 4 pot calipers ② 2 outboard Nissin 4 pot calipers	Side-engine layout
13 inch watanabe B 6J-13 Direzza 03G-R2 175/60R13 77H	① CRF450X ② 450 cc ③ 44.8 hp/7500 rpm ④ 43 Nm/7000 rpm	Naturally aspirated 4 L	Manual	Chain	① 2 outboard ② 1 inboard Nissin calipers	carburetor
10×8.0 Kizer & 18.0×7.5-10 R25B Hoosier	① HONDA CRF450RX ② 450 cc ③ 40 ps/8000 rpm ④ 40 Nm/7500 rpm	Naturally aspirated 5 L	Manual	Chain drive Spool	① 2 outboard ② 1 inboard Nissin calipers	
13 inch Aluminium Wheel 180/510-13 & BRIDGESTONE bias	① Kawasaki LX450AE (KLX450R) ② 449 cc ③ 40 ps/9000 rpm ④ 4.0 kgf/7000 rpm	Naturally aspirated 2.5 L	Manual	Chain Drive & No Diff	① 2 Outboard Steel Diskbrake ② 1 Inboard Steel Diskbrake Nissin calipers	Torsionbar suspension
13 inch RAYS 20.5×7.0-1.3 Hoosier R25B	① Kawasaki ER650A ② 649 cc ③ 50 ps/7500 rpm ④ 5.4 kgf/4500 rpm	Naturally aspirated 5.0 L	Manual Electric shifter	Chain Drive F.C.C TRAC LSD	① 2 outboard ② 2 inboard Nissin calipers	
10 inch OZ Racing AVON 16.0×7.0-10	① ER650 ② 649 cc ③ 69 ps/8500 rpm ④ 6.5 kgf/7000 rpm	Naturally aspirated 4.7 L	Manual	Chain Drive FCC TRAC	① 2 outboard ② 2 outboard Wilwood calipers	
13 inch RAYS TE37 160/55-VR13 YOKOHAMA A005	① M403E YAMAHA MT-07 ② 688 cc ③ 73 kW/9000 rpm ④ 6.9 Nm/6500 rpm	Naturally aspirated 4.7 L	Manual	Chain&F.C.C TRAC	① 2 outboard ② 2 outboard Brenbo calipers	① Mono shock ② 0° caster

# Team Information (Vehicle Specifications)

Car No	School Name	Color s	Frame	Body-work	Suspension		① Overall Length ② Overall Height ③ Wheelbase ④ Front Track ⑤ Rear Track			① Gross Vehicle Mass ② Fr.Rr Weight Dist. ③ Ground Clearance		
					① Front	② Rear						
66	Kogakuin University	Blue	steel spaceframe	CFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod		① 3294 mm ③ 1750 mm ⑤ 1280 mm	② 1180 mm ④ 1280 mm		① 220 kg ② 47 : 53 ③ 30 mm		
67	Sojo University	Black	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod		① 2973 mm ③ 1653 mm ⑤ 1270 mm	② 1134 mm ④ 1270 mm		① 265 kg ② 45 : 55 ③ 35 mm		
68	Chiba Institute of Technology	Navy Blue	Steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② De Dion type axle suspension		① 2475 mm ③ 1590 mm ⑤ 1240 mm	② 1051 mm ④ 1240 mm		① 250 kg ② 47 : 53 ③ 40 mm		
69	Hiroshima University	Red & Black	Steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod		① 2720 mm ③ 1620 mm ⑤ 1200 mm	② 1130 mm ④ 1200 mm		① 195 kg ② 44.5 : 55.5 ③ 35 mm		
70	Hanyang University	Hanyang Blue	steel spaceframe	Fiber-glass. Carbon fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod		① 2986 mm ③ 1570 mm ⑤ 1220 mm	② 1170 mm ④ 1240 mm		① 240 kg ② 45 : 55 ③ 30 mm		
73	National Chiao Tung University											
74	KOOKMIN UNIVERSITY	Green line in white body	steel tube frame (half_rear)	monocoque (half_front)	① Double wishbone - Pull rod ② Double wishbone - Push rod		① 2996 mm ③ 1530 mm ⑤ 1150 mm	② 1173 mm ④ 1170 mm		① 210 kg ② 48 : 52 ③ 28 mm		
75	Harbin Institute of Technology at Weihai	Black & Turquoise blue&White	Semi-monocoque & frame	Carbon fiber	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod		① 3035 mm ③ 1580 mm ⑤ 1160 mm	② 1180 mm ④ 1180 mm		① 210 kg ② 47 : 53 ③ 35 mm		
76	National Taipei University of Technology	blue/black	composite monocoque	carbon fiber	① Double unequal length A-arms push rod ② Double unequal length A-arms push rod		① 3010 mm ③ 1625 mm ⑤ 1240 mm	② 1130 mm ④ 1260 mm		① 220 kg ② 47 : 53 ③ 25 mm		
77	Mie University											
79	Tokyo Metropolitan University	Blue	steel spaceframe	GFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod		① 3060 mm ③ 1600 mm ⑤ 1245 mm	② 1260 mm ④ 1245 mm		① 260 kg ② 45 : 55 ③ 60 mm		
80	Hoseo University											
Car No	School Name	Color s	Frame	Body-work	Suspension		① Overall Length ② Overall Height ③ Wheelbase ④ Front Track ⑤ Rear Track			① Gross Vehicle Mass ② Fr.Rr Weight Dist. ③ Ground Clearance		
					① Front	② Rear						
E1	Nagoya University	Pearl White	steel spaceframe	CFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod		① 3114 mm ③ 1650 mm ⑤ 1275 mm	② 1266 mm ④ 1325 mm		① 290 kg ② 48 : 52 ③ 42 mm		
E2	Tongji University	white, black, red	monocoque	carbon fiber	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod		① 2920 mm ③ 1530 mm ⑤ 1150 mm	② 1180 mm ④ 1220 mm		① 195 kg ② 48 : 52 ③ 45 mm		
E3	Toyohashi University of Technology	Black	CFRP Monocoque	CFRP	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod		① 3090 mm ③ 1700 mm ⑤ 1200 mm	② 1054 mm ④ 1220 mm		① 195 kg ② 50 : 50 ③ 30 mm		
E4	National Tsing Hua University	Black	Steel spaceframe	Carbon-fiber	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod		① 2765 mm ③ 1530 mm ⑤ 1210 mm	② 1172 mm ④ 1260 mm		① 260 kg ② 40 : 60 ③ 35 mm		
E5	National Institute of Technology, Ichinoseki College/Iwate University	Bermuda Blue Pearl	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod		① 2950 mm ③ 1760 mm ⑤ 1310 mm	② 1110 mm ④ 1300 mm		① 430 kg ② 30 : 70 ③ 35 mm		
E6	TOYOTA technical College	White & Blue & Red	Steel spaceframe	FRP	① Front Double unequal length A-arm Pull rod ② Rear Double unequal length A-arm Push rod		① 2550 mm ③ 1700 mm ⑤ 1250 mm	② 1290 mm ④ 1480 mm		① 300 kg ② 45 : 55 ③ 50 mm		
E7	Kanagawa University	blue	steel spaceframe	Fiberglass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod		① 2970 mm ③ 1650 mm ⑤ 1250 mm	② 1150 mm ④ 1250 mm		① 320 kg ② 35 : 65 ③ 50 mm		



Wheels & Tires	① Engine ② Displacement ③ max. power ④ max.torque	Induction type Fuel tank Volume	Shifter	Final Drive & Differential	Brakes ① Front ② Rear	Unique Features & Notes
10 inch KEIZER WHEEL 18.0×7.5-10 R25B Hoosier	① PC40E HONDA CBR600RR ② 599 cc ③ 83 ps/12000 rpm ④ 6.0 kgf/11000 rpm	Naturally aspirated 5.1 L	Manual	Chain Drive & Carbon LSD (ATS)	① 2 outboard frando calipers ② 2 outboard frando calipers	Front & Rear Wing
13 inch OZ-Racing 20.5 ×7.0-13 Hoosier R25B	① PC40EHONDA CBR600RR ② 599 cc ③ 75 ps/11500 rpm ④ 5.4 kgf/8200 rpm	Naturally aspirated 5.0 L	Manual 6th	Chain Drive F.C.C TRAC	① 2 outboard ② 1outboard Nissin calipers	
13 inch RAYS TE37 20.5×7.0-13 Hoosier B25	① YAMAHA Venture Multi P-RPZ50MP ② 499 cc ③ 49 ps/9000 rpm ④ 5.2 kgf/9000 rpm	Naturally aspirated 5.0 L	CVT	Chain Drive & F.C.C TRAC	① 2 outboard ② 2 outboard Nissin calipers	
13 inch RS Watanabe 180/520-13 Hoosier	① Yamaha/YZ450FX ② 449 cc ③ 35 ps/9000 rpm ④ 3.5 kgf/7500 rpm	Naturally aspirated 4.0 L	Manual	Chain Drive F.C.C LSD	① 2 outboard ② 2 outboard Nissin calipers	
13 inch Continental Slick 205/470 OZ Formula Student Magnesium 4H hole	① YAMAHA YZF-R6 ② 600 cc ③ 79 ps/14500 rpm ④ 5.3 kgf/11000 rpm	Naturally aspirated 6 L	CO2 pneumatic sequential shift	Final Drive : 3.9:1, Differential : FCC Honda ATV LSD	① 2 outboard ② 2 outboard KR motors calipers	• 'Z' roll bar • SLS intake manifold • race-spec wiring • 3 flap DRS
① 10 inch custom CFRP wheel ② Hoosier 18×7.5-10.0 R25B	① HONDA CBR600RR ② 600 cc ③ 54 kW/10500 rpm ④ 47.4 Nm/10500 rpm	Naturally aspirated 7 L	pneumatic shifter	final drive ratio-2.75:1 Differential system-Drexler LSD	① AP Racing/4 piston ② AP Racing//2 piston	Semi-monocoque body & full aerodynamics kit
10 inch Keizer & Hoosier 18.0×7.5	① Suzuki_GSX-R600 ② 599 cc ③ 60 kW/9750 rpm ④ 60 Nm/8500 rpm	Naturally aspirated 4.2 L	Pneumatic	Chain & Drexler	① 4 piston ② 2 piston AP calipers	Monocoque,carbon fiber suspension,electronic throttle
13 inchs OZ Racing Magnesium center lock, Continental 205/470R13	① YAMAHA MT-07 CP2 ② 689 cc ③ 67.8 ps/9200 rpm ④ 6.28 kgf/7000 rpm	Naturally Aspirated 4.2 L	Pneumatic Cylinder Shifter	Chain Drive & Drexler Limited Slip Differential, Drive Shaft	① 2 outboard ② 2 inboard Triones calipers	carbon fiber A-arms
13 inch RAYS TE37 20.5/6.0-13 Hoosie	① PC40E HONDA/CBR600RR ② 599 cc ③ 70 ps/11000 rpm ④ 5.4 kgf/9000 rpm	Naturally aspirated 2.6 L	Manual	Chain Drive F.C.C TRAC LSD	① 2 outboard ② 2 outboard Nissin Calipers	N/A
Wheels & Tires	① Motor Type, Model Number, the Number of motors ② Continuous rated power ③ Peak power ④ Maximum torque	① Type ② Nominal voltage/ Highest voltage ③ Nominal capacity	Shifter	Final Drive & Differential	Brakes ① Front ② Rear	Unique Features & Notes
13 inch Oz racing 20.0 ×7.5-13 R25B Hoosier	① 3 Phase synchronous motor, AMKDD-5-14-10-POW, 4units ② 12.3[kW] ③ 32[kW] ④ 21[Nm]	① Li-Po ② 518V/588V ③ 7.25 kWh/14 Ah	N/A	Double reduction gear	① 2 outboard ② 2 outboard Nissin calipers	4WD, Traction Control, Direct Yaw-rate Control
13 inch OZ & Continental C18	① DYNASYN synchronousservo motor, DD5-14-10-POW-18600-B5, 4 ② 12.3[kW] ③ 35.2[kW] ④ 21[Nm]	① Li-ion ② 502 V/574 V ③ 7.0 kwh/14 Ah	N/A	N/A	① 2 outboard ② 2 outboard	four-wheel drive, torque vectoring, AMK motors and inverter,aero package
10×7 inch Keizer Wheel & 18.0×7.5-10 inch Hoosier R25B	① Permanent magnet synchronous (Non brush), Zero SR, 1unit ② 30[kW] ③ 52[kW] ④ 152[Nm]	① Li-Po ② 133 V/150 V ③ 6.9 kWh/48 Ah	N/A	ChainDrive & FCC TRAC	① 2 outboard ② 2 outboard Brembo calipers	Carbon fiber monocoque/Self assembly battery pack
13 inch OZ Formula Student Magnesium 4H wheel Continental 205/470-R13	① Permanent magnet synchronous (Non brush), EMRAX228, 1unit ② 100[kW] ③ 55[kW] ④ 120[Nm]	① LFP Battery ② 320V/350V ③ 5.6 kwh/1728 Ah	N/A	ChainDrive & Drexler FS LSD 2010	① 2 outboard ② 2outboard Wilwood calipers	
13 inch RAYS TE37 20.5×7.0-13R25A Hoosier Bias	① 永久磁石同期電動機 (ブラシレス), HONDA H3, 2個 Permanent magnet synchronous (Non brush), HONDA H3, 2units ② 13[kW] × 2 ③ 27[kW] × 2 ④ 73[Nm] × 2	① Li-ion ② 210 V/230 V ③ 8.4 kwh/40 Ah	N/A	Planetary Gear, N/A	① 2 outboard ② 2 outboard Nissin calipers	Torque Vectoring by Twin Motor Unit
wheel RS WATANABE 13-6.6J & Tires Good year EAGLE RS 20×7.0J-13	① Hi-Performance, AC35-26. 25, 1個 ② 33[kW] ③ 61.58[kW] ④ 119.8[Nm]	① Li-Po ② 155.4 V/174.426 V ③ 6.216 kwh/40 Ah	none	Chain Drive FCC LSD	① 2 outboard Nissn calipers ② 1inboard Nissin calipers	two stage reduction
Hoosier, R25B, 13" -20.5×6.0 Volk TE37, Aluminum	① Permanent magnet synchronous (Non brush), Motoenergy DLC-28, 1unit ② 15[kW] ③ 30[kW] ④ 100[Nm]	① Li-ion ② 90 V/99.6 V ③ 6.0 kWh/65 Ah	N/A	Drive chain & LSD	① 2 outboard ② 2 outboard Nissin calipers	Original gear box

# Team Information (Vehicle Specifications)

Car No	School Name	Color s	Frame	Body-work	Suspension ① Front ② Rear	① Overall Length ② Overall Height ③ Wheelbase ④ Front Track ⑤ Rear Track			① Gross Vehicle Mass ② Fr.Rr Weight Dist. ③ Ground Clearance		
E8	Tohoku University	White	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2855 mm ② 1210 mm ③ 1650 mm ④ 1300 mm ⑤ 1280 mm	① 300 kg ② 43 : 57 ③ 40 mm				
E9	Shizuoka Institute of Science and Technology										
E10	Toyota Technical College Tokyo	Black/Orange	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2755 mm ② 1140 mm ③ 1750 mm ④ 1310 mm ⑤ 1390 mm	① 440 kg ② 48 : 52 ③ 55 mm				
E11	Universitas Islam Indonesia	Black with Blue	steel spaceframe	Fiber-glass	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2903 mm ② 1233 mm ③ 1700 mm ④ 1200 mm ⑤ 1170 mm	① 380 kg ② 44 : 55 ③ 80 mm				
E12	Institut Teknologi Sepuluh Nopember	Green, Red, and White	Monocoque	Carbon Fibre	① Double unequal length A-arm Pushrod ② Double unequal length A-arm Pushrod	① 2700 mm ② 1100 mm ③ 1600 mm ④ 1350 mm ⑤ 1280 mm	① 220 kg ② 47 : 53 ③ 100 mm				
E13	Kyushu Institute of Technology										
E15	National Pingtung University of Science and Technology										
E16	Rajshahi University of Engineering & Technology										
E17	R V College of Engineering										
E18	National Cheng Kung University										
E19	National Taiwan University	brown	steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2625 mm ② 1345 mm ③ 1600 mm ④ 1350 mm ⑤ 1350 mm	① 290 kg ② 47 : 53 ③ 50 mm				
E20	Jilin University	blue, black, silver	composit monocoque	Fiber-Carbon	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2850 mm ② 1180 mm ③ 1575 mm ④ 1250 mm ⑤ 1220 mm	① 240 kg ② 45 : 55 ③ 30 mm				
E21	National Taipei University of Technology	black/blue	steel spaceframe	carbon fiber	① Double unequal length A-arms push rod ② Double unequal length A-arms push rod	① 2930 mm ② 1130 mm ③ 1600 mm ④ 1260 mm ⑤ 1230 mm	① 270 kg ② 45 : 55 ③ 40 mm				
E22	Harbin Institute of Technology at Weihai EV	Orange/Silvery/Black	One Piece CFRP Monocoque	CFRP	① Double Unequal Length A-arm/Pull Rod ② Double Unequal Length A-arm/Pull Rod	① 2870 mm ② 1190 mm ③ 1530 mm ④ 1180 mm ⑤ 1160 mm	① 230 kg ② 50 : 50 ③ 35 mm				
E23	Beijing Institute of Technology	cerulean	Monocoque	Carbon fiber and aluminum honeycomb composite material	① Double unequal length A-arm Pull rod ② Double unequal length A-arm Push rod	① 2968 mm ② 1180 mm ③ 1550 mm ④ 1220 mm ⑤ 1200 mm	① 215 kg ② 50 : 50 ③ 40 mm				
E24	UNIVERSITAS GADJAH MADA	Black-blue	Steel spaceframe	Fiber-glass	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2914 mm ② 1253 mm ③ 1090 mm ④ 1090 mm ⑤ 1280 mm	① 300 kg ② 38 : 62 ③ 70 mm				
E25	Seikei University	aqua & black	steel spaceframe	GFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2840 mm ② 1276 mm ③ 1720 mm ④ 1350 mm ⑤ 1350 mm	① 400 kg ② 45 : 55 ③ 30 mm				
E26	Nissan AUTOMOBILE Technical College Kyoto	Black & White & Red	steel spaceframe	GFRP	① Double unequal length A-arm Push rod ② Double unequal length A-arm Push rod	① 2961 mm ② 1315 mm ③ 1665 mm ④ 1300 mm ⑤ 1300 mm	① 400 kg ② 40 : 60 ③ 40 mm				
E27	Kanagawa institute of Technology	White Blue Gold	Steel Spaceframe	Fiber-glass	① Double equal length A-arm Pull rod ② Double equal length A-arm Push rod	① 3160 mm ② 1160 mm ③ 1700 mm ④ 1220 mm ⑤ 1200 mm	① 320 kg ② 47 : 53 ③ 40 mm				



Wheels & Tires	① Motor Type, Model Number, the Number of motors ② Continuous rated power ③ Peak power ④ Maximum torque	① Type ② Nominal voltage/ Highest voltage ③ Nominal capacity	Shifter	Final Drive & Differential	Brakes ① Front ② Rear	Unique Features & Notes
13 inch OZ Racing 20.5 ×7.0-13 Hoosier R25B	①永久磁石同期モーター (ブラシレス), 41201-WV5C-0000, 1個 Permanent magnet synchronous (Non brush), 41201-WV5C-0000, 1unit ② 26[kW] ③ 54[kW] ④ 146[Nm]	① Li-ion ② 273.6 V/ 302.4 V ③ 8.2 kWh/30 Ah	N/A	Planetary Gear	① 2 outboard ② 2 outboard Nissin calipers	Twin Motor Unit
15 inch WORK MEISTER CR01 YOKOHAMAADVAN A050 195/50R15	①DC ブラシモータ, Advanced D.C.XP-1227-A, 1個 ②21.2 (kW) ③65 (kW) ④176 (Nm)	① Li-ion ② 118.4 V/132.8 V ③ 7.7 kWh/65 Ah	N/A	Shaft&Hypoid gear cam type LSD	① 2 outboard Nissin calipers ② 2 outboard Nissin calipers	
OZ Formula Studens 13" aluminum, die cast & Continental P205/470R13	① advanced axial flux synchronous (BLAC) electric motors/generators, EMRAX 208, 1 unit ② 30-60[kW] ③ 80[kW] ④ 150[Nm]	① Lithium Polymer ② 273.6 V/319.2 V ③ 10 kwh/31 Ah	None	Chain gear with ratio 1 : 3 & Drexler Automotive LSD	① KTC calipers with Tilton master cylinder ② KTC calipers with Tilton master cylinder	Telemetry System
10 inch KAIZER 19.5" /6.5"-10 HOOSIER Bias	① Permanent magnet synchronous (Non brush), N/A (developed by our Instute), 2unit ② 36[kW] (@ 18 [kW] per unit) ③ 50[kW] (@ 25 [kW] per unit) ④ 220[Nm] (@110[Nm] per unit)	① LiFePO4 ② 290.4 V/316.8 V ③ 6.3 kwh/20 Ah	N/A (single speed)	ShaftTorsen with Gear and Chain	① 2 outboard ② 2 outboard TDR calipers	Variable Intake System
10 inch Hoosier#43101 18.0×6.0 - 10	① Permanent magnet synchronous (Non brush), ordered, 1unit ② 18[kW] ③ 54[kW] ④ 110[Nm]	① Li-ion ② 72 V/84 V ③ 9 kwh/1250 Ah	no	Limit slip differential	① 2 outboard ② 2 outboard	
13 inch OZ.Racing 205/470R13 Continental C19	① EMRAX 208, ABC123 ,2unit ② 80[kW] ③ 40[kW] ④ 140[Nm]	① Li-ion ② 364.8 V/390 V ③ 7.66 kwh	None	Planetary gear reducer	① 2 outboard ② 2 outboard	3rd spring suspension, ABS, TCS
13 inchs OZ Racing Magnesium center lock, Continental 205/470R13	① Permanent magnet synchronous (Non brush), Emrax 208, 1unit ② 17.3[kW] ③ 49[kW] ④ 125[Nm]	① Li-Po ② 3.7 V/4.1 V ③ 81.4 kwh/22 Ah	single reduction	chain drive, limited slip differential, drive shaft	① 2 outboard ② 2 inboard Triones calipers	carbon fiber A-arms
13 inch aluminium Wheel & Continental 205/510R13	① AMK,DD5-14-10-POW-18600-B5,4unit ② 12.3[kW] ③ 36[kW] ④ 21[Nm]	① Lithium-Polymer ② 532V/597.6V ③ 6.71 kwh/12.6 Ah	None	Single Reduction Helical Gears& Electronic Differential	① 4 piston ISR Calipers ② 2 piston ISR Calipers	Monocoque/Aerodynamic Device/Third Spring/Self-assembly Battery
13 inch carbon fiber rim & 205/470 R13 Continental	① Permanent magnet synchronous motor, AMK, 4unit ② 12.3[kW] ③ 20[kW] ④ 21[Nm]	① Li-ion ② 518V/588V ③ 6.9 kwh/1876 Ah	1.5-stage planetary gear reducer	Planetary gear transmission, no differential	① Double wheel floating disc brake ② Double wheel floating disc brake	Four-wheel independent drive, self-made planetary gear reducer, carbon fiber monocoque, aerodynamics, self-made carbon fiber accumulator body
Front : 13 inch OZ Formula Student Aluminium 4H Wheel Rear : 13 inch Ultralite Wheels 130/430-10 DUNLOP Bias	① Brushless DC Motor (BLDC), Emrax 208 (LV), 1unit ② 20-30[kW] ③ 80[kW] ④ 150[Nm]	① Li-ion Nickel Manganese Cobalt ② 3.7 V/88,8 V ③ 0.21 kwh/75 Ah	No shifter	ShaftTorsen	① Tokico 4 Piston Radial Calipers ② Wilwood Dynalite Billet Single Brake Caliper	Good maneuverability and ergonomics
13 inch Rays Volk Racing TE37 20.0×7.5- 13 Hoosier	① 3-Phase Synchronous Motor, EM57, 1unit ② 33[kW] ③ 80[kW] ④ 254[Nm]	① Li-ion ② 355.2 V/403 V ③ 7.1 kwh/20 Ah	None	Chain Drive & LSD (FCC)	① 2 outboard ② 2 outboard Nissin calipers	
13 inch OZ Racing 20.0-7.5-13 R25B Hoosier	①永久磁石埋込型三相交流同期 モータ (ブラシレス), EM57, 1個 ② 33[kW] ③ 80[kW] ④ 254[Nm]	① Li-ion ② 311 V/353 V ③ 6.2 kwh/20 Ah	None	ShaftTorsen F.C.C LSD	① 4 piston ② 2 piston AP Racing calipers	TCS & Frame Structure-lization of The Power Train Unit,Remote Monitoring System of a Vehicle System
13 inch Watanabe Magnesium 20.5× 6.0-13	① BRUSA, HSM1-10.18.04, 1個 ② 29[kW] ③ 50[kW] ④ 98[Nm]	① Li-ion Manganese ② 355[V]/403[V] (←組電池の状態) ③ 8.5 kwh 20 Ah/[kwh/ Ah] (←組電池の状態)	none	Chain Drive Quaife Helical LSD	① 2 outboard ② 2 outboard brebmo calipers	Original Battery GVC

# Team Information (Members and Sponsors)

[CP] Team Captain [FA] Faculty Advisor [MBR] Team Member: As of xxxx 1, 2019

## 1 Osaka University

### ● Members

[CP] Yutaro Kitano, [FA] Hisashi Ishihara, [FA] Shoji Tsushima, [FA] Daigo Izumi, [MBR] Kentaro Okada, Yoshinori Kobayashi, Yui Mitsuhashi, Sena Harada, Syuhei Suzuki, Yukinobu Naya, Nodoka Nishimura, Matsui Taichi, Matsuoka Yusuke, Yoshida Ryotaro, Kazuki Imamura, Yusuke Sano, Hiroyuki Ikagawa, Yuta Iwai, Tomohiro Kawabata, Yoshiaki Shingu, Toya Suzuki, Yutaka Takata, Kai Matsumoto, Yusaku Matsumoto, Ryunosuke Yamashita, Shun Yamane, Hiroki Hanada, Kei Kuroishi, Issei Tanaka

### ● Car Features and Team Aspirations

We have worked on team management and machine development despite last year's results. To aim to reduce the lap time by 2 seconds, we developed the OF-19 whose concept is "Turn 4 Accel", which enhance the turning response from predecessors' concept "Make use Inline 4". To increase the score of static events, we fully reviewed and renewed the documents more than last year. The goal is, of course, V2!

### ● Team sponsors

3M, ABC Trading, ADVICS, Aisin Seiki, Altair Engineering, Altechno, ANEST IWATA, AoiKoki, Artner, AUTOBACS SEVEN, Azumaneji, Blenny, BNL Japan, CKD, Cradle, Cybernet Systems, DAIHATSU, DAIHEN, DENSO, DIXEL, ENUMA CHAIN, EVANS JAPAN, exedy, FARO JAPAN, FRC, FT TECHNO, Fuji Seimitsu, Fukai MFG, GRAPHITE DESIGN, GS YUASA, Henkel, HOPEC, IDAJ, JVC Kenwood, Kansai Paint, Kawasaki, Keihin, KINOKUNI, KOBELCO, Kokuyo Aluminum Industrial, KOMATSU, KUBOTA, KUREHA ELASTOMER, KYOWA, LA MER, LEARS, Lobtex, Magna International, MARUBENI INFORMATION SYSTEMS, MathWorks, MIKUNI, MinebeaMitsumi, MISUMI, MITATE-KOBO, Mitsuboshi Belting, MITSUI KINZOKU ACT, MITSUYASU, Mizuta Seisakusho, MUTOH INDUSTRIES, Nakabayashi Kikai Kogyo, NEWSCompany, NGK, NHK Spring, Nikkal, NIPPON STEEL, NISSIN, NMB, NOP, NTN, OHBA SEIKEN, ONOX, Osaka University, OXISO, OZ, RICOH, ROCK PAINT, SANKYO Radiator, SANWA SEISAKUSYO, SHINKO North, SIGNAL, SODA Kogyo, SolidWorks, SOLIZE, Sumitomo Electric Hardmetal, Sumitomo Wiring Systems, SUZUEI, SUZUKI KIKOH, TAISEI PLAS, TAIYO, TANAKA FACTORY, THK, TIGER SEISAKUSHO, TODA Racing, Togenkyo, Tokunaga, Tokyo R&D, TopLine Product, TSUDAKOMA, Tsuruga, UAP, Ueda, VI-Grade, WACOH-TECH, WAKO Chemical, YANMAR, Zam Japan



## 2 Kyoto Institute of Technology

### ● Members

[CP] Nishizaki Kensho, [FA] Iba Daisuke, [FA] Yasumasa Komaki, [FA] Arata Masuda, [FA] Morimasa Nakamura, [MBR] Kenta Okamoto, Yusuke Otoi, Masatsugu Kitadai, Tatsuya Koide, Rinpei Sakata, Naoki Matsuo, Koki Matsumoto, Hiroshi Fujita, Risa Kadobayashi, Daiki Doi, Takuya Tani, Ryuichi Nakajima, Ryo Nishiyama, Shunpei Noike, Takayuki Zukawa, Maoto Kawano, Saki Kinoshita, Yusuke Kimura, Yui Kudo, Ritsuka Gomi, Yoshifumi Saji, Masaya Daimon, Kureha Takasaki, Tatsuhiro Hirano, Ryosuke Yokoyama, Junpei Kishi, Mishio Omori, Naoki Higashine, Tatsuki Furukawa, Ryoya Maruyama, Hidenori Miyajima, Genri Yamanaka, Naoki Yoshioka, Yusuke Nakata, Mio Hatakenaka, Yuma Ishihara, Masahiro Ueda, Shohei Nobuchi, Ryosuke Mimami, Kohei Yoshioka, Yuta Yoshimura, Hikaru Miyaki, Shuichiro Kamei, Momo Yoshimatsu, Shunya Kubo, Kosei Hosoda, Yusaku Sannami, Ryota Yamano, Asobu Sakai, Taiki Mizutani, Ryuho Mizuno, Shoma Ishihara, Haruki Tsuruoka, Tomotaka Tanaka, Daigo Minamitani, Shoma Hosaka, Taiga Kitagawa, Shunta Kimura, Kosuke Yosioka, Takuma Nakagawa

### ● Car Features and Team Aspirations

We have designed GDF-14 on the machine concept with light weight. I train continuous static examination and 1st place of dynamic for two years by GDF-14 which has added an update to GDF-13 and win an overall victory rescue certainly.

### ● Team sponsors

Allium, Analog Devices, AUTO FERAK, AVO/MoTec Japan, CAST, CYBERNET, Dassault Systems DMM.make, EXEDY, GAT, HI-LEX, HILLTOP, HPC SYSTEMS, igus, ITW PLEXUS, K.W. MAHLE, Mentor, mox, NicoleGroup, Nitto, NTN, nutec, OXISO, OZ, Plusju, projectu, rapid harness, SIEMENS, SUZUKI, TAMADIC, TechnoGuid, THK, UCHIDA, umihira, VI-GRADE, VSN, ADVICS, Ishihara Radiator, Kinokuni Performance Products, KINOSHITA CORPORATION, KYOEI MESONA, KYOTO TEISAN, KYOTO WHEEL CENTER, KYOWA, Sumitomo Wiring Systems, SEKISUI PLASTICS CORPORATION, DAIDO KOGYO CORPORATION, Daiwa Gear Manufacturing, Tango Techno-Center, tango-giken, TOHNICHI, Toray Carbon Magic, NISSHO Manufacturing Technology, NISSIN KOGYO, NISSO KOGYO, ESI Group, Biwako Sports Land, PHOENIX'S POWER, FUKAI, Fuji Seimitsu, MATSUMOTO KINZOKU, MARUBENI INFORMATION SYSTEMS, MISUMI, MITATE-KOBO, GIHU GEAR, OSG, Iwai KIGATA, Wai, ALTECHNO, ZEN International, DAIHEN, FC design



## 3 Tongji University

### ● Members

[CP] Wang Yupeng, [FA] Dong Guangyu, [MBR]

### ● Car Features and Team Aspirations

Car Features: pneumatic paddle shifting  
Full set of aerodynamic package  
Launch Control  
Electrical Clutch  
Monocoque  
Electronic Throttle  
Team Aspirations: Top 5

### ● Team sponsors

JTEKT, Continental, Moser Electronic, ZF, Rheinmetall, 瀛之杰, NSK-Warner, AXALTA, AVL, DAISCH, Max-Light KART, ePLAN, 味库味新能源, MOTUL, CommNow, CUITMATE studio, LEMO, 同取汽车, TEXAS INSTRUMENTS, infineon, 上燃动力, RBTC, Jntitanti, LOCTITE, ARAMICORE, IMK, NGK, 泰达钛, AirTAC, igus, Sensata, VECTOR, FLUKE, ROHM, THRUSTMASTER, VI-GRADE, ANSYS, MSC Software, Altair, 上海新安



## 4 Meijo University

### ● Members

[CP] Akira Suzuki, [FA] Hidetoshi Hayafuji, [MBR] Yoshiki Iwasawa, Masatoshi Asaka, Tomoki Koike, Yuzuki Goto, Mitsuki Shibata, Keisuke Hozo, Akihiro Hosoda, Noritsugu Horikoshi, Takahiro Yasuda, Ken Uchida, Kosei Omori, Rintarou Kameyama, Wataru Kinoshita, Hayata Kusuda, Souta Kojima, Kyohei Noda, Hiroki Miyabe, Shinya Ozaki, Aritaka Takemoto, Haruto Koseki, Shota Hamabe, Yusuke Hiramatsu, Shuma Mihara, Daichi Kato, Teruya Ono, Hibiki Asano, Sota Aoki, Syuya Okuyama, Syunta Goshima, Kayou Sakurai, Taichi Sato, Mutsuki Takahashi, Mizuki Hiraoka, Takaharu Yamamoto

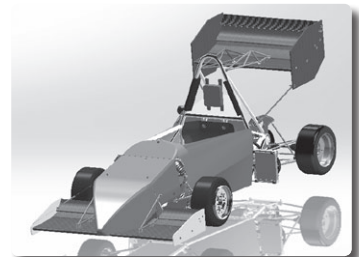
### ● Car Features and Team Aspirations

This year, we aim for a record in autocross 57sec. We improve the dynamic performance, and reduce driver's burden. We improve our ability to score at the dynamic events and aim

for Top 10 for three consecutive years.

### ● Team sponsors

YAMAHA MOTOR, Amaki Machine Works, DAD, OXISO, SANGO, WAKO CHEMICAL, WADA WELDING, ARTNER, D.I.D, NTN, LASERTEC, IME, GS YUASA, SAKAI OVEX, Sumitomo Wiring Systems, MAKINO JIDOSHA, SOLIDWORKS JAPAN, KOYORAD, NISSINKOGYO, ISHINO CIRCUIT, NEXT, RAINBOW SPORTS, KYOWA KOGYO, FUKAI MFG, HITAP, SOFTPREN INDUSTRY CORPORATION, Wing Auto, Total Technical Solutions, UNIONDENSHO, CAST, KOTA CIRCUIT YRP KIRIYAMA, J-3D, SENSATA TECHNOLOGIES JAPAN, SHORAI JAPAN, NAGOYA metal plating industry, Kinokuni enterprise, ISHIKAWA, Japan U-pica, MathWorks, ISOWA, EXCEED, NGK, ARRK, AW engineering, MIDORI PRECISIONS, KAWAMOTO steel materials, SHINBORI, Software Cradle, IDAJ, Jatco, Jatco Engineering, TOKYO R&D, HI-LEX, inatec, TECHNO ASSIST, ALUCC, WHITE HOUSE, MIZUTANI KENZAI, GENERAL ENGINEERING, DAIHEN, DAIHEN Techno Support, AISAN INDUSTRY





# 5

## Shibaura Institute of Technology

### ● Members

**[CP]** Naoki Numano, **[FA]** Dai Watanabe, **[FA]** Hiroyasu Saito, **[MBR]** Kimito Kanai, Masataka Nakamura, Kohei Maruyama, Kazuya Yamaya, Kodai Ishioka, Mimir Osada, Teruki Nobe, Yusuke Shimizu, Tatuhiro Suga, Yudai Igarashi, Ryo Shirasaki, Naoki Numano, Hibiki Aoto, Shell Yamauchi, Ryusei Mashimo, Ituki Suwa, Yushi Suzuki, Akari Nagakura, Miyu Hmanaka, Misuzu Matukawa, Yuki Mitui, Humiya Yamaguchi, Kaito Yamashita, Yoshiki Kinase, Hideaki Umeda, Masaaki Daida, Yuta Takiyama, Yuya Kagawa, Yudai Aoyagi, Tsubasa Kanou, Ryoga Shirota, Ryoga Sakata, Ryo Sato, Masaya Wakui, Tomohiro Yoshida, Kohei Makuta, Syun Kaido, Masaki Kosigawa, Daiki Maeda, Mityoshi Goto, Hazime Isoshika, Yuta Kunimi, Yoshio Ikeda, Yuki Kobayashi, Taiyo Yano, Katsuki Sugiyama, Ren Yamazaki, Masahiro Fukuda, Aoba Tago, Tomohiro Ueno, Ken Matsumoto

### ● Car Features and Team Aspirations

Based on the vehicle for the past two years, we have reviewed many parts to improve performance. This year's vehicle

introduces a lot of things that have not been done so far, and aims to go beyond past achievements.

### ● Team sponsors

NS TOOL, Mitsubishi Hitachi Tool Engineering, Honda Motor, Honda R&D, Meister Clube, Continental Automotive, OZ Racing, TEIN, BOSCH, UD TRUCKS, Tokyo Titanium, Tokorozawa Alloy Foundry, OILES, Autoliv, MAHLE, Honda Techno Fort, Nakamura seisakujo, Dell, enable, Wako chemical, PLOT, Nicole Racing, NISSIN KOGYO, NIPPON STEEL NISSHIN PIPE, Proststaff, altechno, PHARIO, NIFCO, Matsuo seisakujo, HI-LEX, MISUMI, La Mer, Inoue Tekkokujo, Works Bell, Kyowa kogyo, NMB, Brave Auto, SANKYO RADIATOR, Sumitomo Wiring Systems, sitech, KANTO INDUSTRIAL COLLEGE, Shibaura Institute of Technology Alumni Association, ENUMA CHAIN MFG, X.A.M JAPAN, Fukai, KANEKO MANUFACTURING, KOGANEI SEIKI, Quike Hanyu, NOK, Denso, Altair Engineering, NTN, TOA, ailu, Software Cradle, SEKISUI PLASTICS, Tokyo R&D, AVO/MoTeC JAPAN, Ins-R, Kohara Gear Industry, News Company



# 6

## Tokai University

### ● Members

**[CP]** Yuki Kimura, **[FA]** Hideaki Katou, **[MBR]** Yusaku Kashima, Taichi Yamagishi, Takuya Matsuda, Yuki Shimizu, Ikei Kobayashi, Yukihiko Nishiyama, Hiroya Matsuura, Ken Izumo, Masataka Kishi, Choma Takahashi, Soichiro Kawano, Yuki Kimura, Hinata Tokutake, Kento Hukuchi, Satoru Murasawa, Yuto Ito, Ryota Konagaya, Ryotaro Mizutani, Riku Miyazawa, Ryuichi Yasuoka, Kaito Fuziwaru, Takamasa Tsuruoka, Hiroshi Miyauchi, Hiroki Fezu, Shun Taura, Ryo Machida, Aruku Nakata, Shun Amemiya, Ibuki Kobayashi, Koki Yagi, Saki Kunishima, Naoki Kariya, Yuichi Takahashi, Akira Nakabayashi, Taichi Uziyama, Kazuyoshi George Takagi, Reiya Hayase, Keita Seto, Tomonori Sugisaki, Shunsuke Ozaki, Shoon Toma, Tetsuya Yamamoto

### ● Car Features and Team Aspirations

Vehicle concept is "at the driver's will" and motor sports experienced person, comfortable

regardless of inexperienced At the same time as we are developing vehicles that can be driven, we have been developing them with the goal of being an ICV top engine. In this fiscal year, we will try to get 6th overall.

### ● Team sponsors

SUZUKI, TOTAL LUBRICANTS JAPAN, NACT, AISIN SEIKI, IDAJ, IPG Automotive, Ishihara Metalworking, NTN, Suzumura Works Hitachi Metals, AVO MoTeC Japan, Denkensa, FCC, Oikawa Works, Kaneko Gears, Kinokoni Enterprise, Takasago Industry, Tamasu Industry, Tamachi Industry, Denso Braial Japan, Marubeni Information Systems, Mikuni, Mutoh Industries, Wako Chemical, West Car Racing Cars, NRS, Auto Backs Seven, OZ Japan, Automax, Suzuki Seiki, Nisshin Industry, Bly Japan Nippon Hiratsuka Ito Screw Fukuoka Rubber Industries, MISUMI Group, Inoue bowling, NE, MinamiSeiki Industries, Artea Engineering, CAST, Chemtrend Suzuei, New Japan Feather Core, HPC Systems, Siemens, PLM Software, Computational Dynamics, Solid Works Japan, Nifuko Keio Tourism, Tokai University Challenge Center, TokaSeiki, Toshiba Machinery, Nissan Motor Japan, Vyutsu, Persol R & D Honda Giken Industrial, ZF, Iris, Rent



# 7

## Nagoya Institute of Technology

### ● Members

**[CP]** Miharuru Yahata, **[FA]** Kazuhiko Kitamura, **[MBR]** Tomohiro Ishida, Ami Ogiso, Kousuke Banno, Yoshihiko Inoue, Toshihiro Masaki, Taiga Ikuta, Izumi Yoshida, Kazushi Ito, Kanami Uemura, Nanako Kawase, Yuta Matsuda, Kazuma Kobayashi, Yuta Fujiwara, Takaya Saito, Hirofumi Yamaguchi, Yusuke Yoshiyasu, Kanta Imadu

### ● Car Features and Team Aspirations

The N.I.T.-17 is a vehicle that has inherited the vehicle concept of "K, T, T (lightweight, low center of gravity, low inertia)", which is a tradition of NIT. With the vehicle updated further, we aim for the team's first overall victory.

### ● Team sponsors

YAMAHA Motor, TOKAIRIKA, HITACHI Metals, TEIN, SEKISUI PLASTIC, MEIDOH, T.RAD, bryza, SAKURA kogyo, HKS, Nakaya Seisakusyo, Sumitomo Wiring Systems, HPC SYSTEMS, THIRDWAVE, Cradle, SOLIDWORKS, ESI, MathWorks, IDAJ, Taira Promote, Nagayakougyoukai, SIX VOICE, Japan Center Lease, TSUDA INDUSTRIES, Paionia Fuyukuki, NTN, TAMADIC, Blenny, Altechno, CONNECT JAPAN, Ootuka Seisakusyo, Okajima Pipe, CROSS TECH, A-M-C, OKOUCHI METAL CORPORATION, LASERTEC, AOYAMA SEISAKUSYO, F.C.C, Shinko North, NIPPON SEIKI, MIKUNI, Yamati Hagane, SAKAI OVEX, ALTECH, GIFUGEAR, Suzuhiro Forklift, SHINBORI, Accel, Tokyo Titanium, EXCEED, Taiho Kogyo, Tugepurasesu, THK, MISUMI, ISOWA, Sugura Manufacturing, SMART MANUFACTURING TECHNOLOGY JAPAN, CARVEC, Laserx, HI-LEX CORPORATION, DAIWA KAKOU, Calspan, Single Heart, KYOWA ELECTRONIC INSTRUMENT, PLOT, igus, SHINANO, MIHAMA CIRCUIT, Gifu Plastic Industry, DAYTONA, SUZUKI, Kafuku-seisakujo, Nissin Kogyo, Meito Hagaruma, WHITE HOUSE, Gamagori Seisakusyo, NT TECHNO, DENSO, Iwakura Radiator Soukai, NOK, NOK Kluber, Shinko casing, KURE Engineering, NAKANIHON CASTING, SANGO, HOPEC, KIKUCHI SHEET KOGYO, YONEPURA KANAGATA, Tohichi Manufacturing, KYOWA KOGYO, Tomei Engineering, TIP Composite, NIPPON STEEL, NHK SPRING, enable, Itoukura Sangyo, MAKITA, Tomoekai, DENSO Gokisokai



# 8

## Kobe University

### ● Members

**[CP]** Kenta Tsuji, **[FA]** Keiichi Shirase, **[FA]** Hidenori Nakatsuji, **[FA]** Shigeo Hosokawa, **[FA]** Yasuyoshi Yokokoji, **[FA]** Tatsuya Nakatsuji, **[MBR]** Ryo Shinohara, Daiki Hironaka, Shunsuke Miyake, Iwao Nishimura, Junnosuke Yoshida, Kohei Maeyama, Taiki Asaoka, Natsuha Okami, Goki Kimura, Naoki Watanabe, Mizuho Yamagishi, Koki Miyatani, Tamaki Okuda, Kazuma Kurotani, Il Su Park, Hikaru Matsuda, Ayaka Kajiyama, Kyota Onda, Kotaro Wada, Kosuke Yokoyama, Koki Murata, Taiki Tsutsui, Togou Hayashi, Shunsuke Adachi, Junya Kitada

### ● Car Features and Team Aspirations

FORTEK 2019, our this season's vehicle, has been developed in the same concept and package of last year. We'll do our best to evolve our

car and achieve the 6th or more place.

### ● Team sponsors

IDAJ, Enable, Altair Engineering, ULVAC, Idemitsu Kosan, Ins-R, AIR LIQUIDE Kogyo Gas, exedy, MinebeaMitsumi, NTN, F.C.C., KINOKUNI Enterprise, Lab-CAST, KYOCERA Document Solutions, KYOWA KOGYO, kmecs, Kobe Steel, KTC, KTCM, Research Center for Advanced Membrane Technology, Southco, Sato Seiki, SHIGEMATSU WORKS, Sumitomo Electric Industries, Sumitomo Wiring Systems, SETTSUKINZOKU KOUGYOUSYO, SOLIDWORKS JAPAN, Daito Radiator, DAIHATSU, DAIHEN, Tsuruga, DIC, THK, DMG MORI, DENSO CORPOLATION, TOYOTA MOTOR CORPORATION, Neis, Nagase ChemteX Corporation, NISHIO RENT ALL, NICHIRIN NISSIN KOGYO, NHK SPRING, Nifco, HI-LEX CORPORATION, FUJI KASEI KOGYO KAISHA, PLUS-MYU Brake Factory, Brave Auto, Henkel Japan, The Mathworks, MISUMI Group, Yamato Scale, YAMATO PROTEC CORPORATION, ROCK PAINT, WAKO CHEMICAL



# Team Information (Members and Sponsors)

## 9 Tokyo University of Science

### ● Members

[CP] Naoya Akagawa, [FA] Yasuo Kawaguchi, [FA] Ryosuke Matsuzaki, [FA] Hiroshi Okada, [MBR] Yuta Tombe, Hokuto Kikai, Norihiro Kosuge, Yusuke Sunaoka, Okusuka Kousuke, Wataru Hamamoto, Mizuki Takagishi, Tatsuki Shiratori, Kazuki Kawano, Yuki Kanba, Yoshiumi Ino, Wataru Tamada, Ryogo Kawasaki, Kensei Tanaka, Taku Washida, Gen Watanabe, Liow Kang Lin, Yuta Suzuki, Goki Seki, Ren Ito, Ryu Ito, Yoshiki Ohira, Tatsuki Sato, Takumi Sagano

### ● Car Features and Team Aspirations

### ● Team sponsors



## 10 Yokohama National University

### ● Members

[CP] Osawa Shunta, [FA] Sato Yasukazu, [FA] Akihiro Sakakida, [FA] Suguru Matuzawa, [MBR] Yusuke Shiibashi, Mayu Tanaka, Sakuya Imoto, Yasuto Tanaka, Daichi Washio, Hideki Suwa, Kazuya Jounoo, Masashi Suzuki, Mochida Rei, Takenaga Yu, Sora Yasui, Masahito Ouchi, Tona Sato, Kashikawa Genki, Fuse Junya, Iwaya Haruka, Arata Sasaki, Fukuda Shotaro, Aoyama Hirotsugu, hatanaka tomoaki, Aki Nakata

### ● Car Features and Team Aspirations

The goal for this year is "Growth, then overall victory and want to stand out!!!" We have the best and strongest members. We are proud to become the team closest to the championship in the last few years. Please pay attention to our activities!

### ● Team sponsors



## 11 University of Fukui

### ● Members

[CP] Yuuki Harashima, [FA] Masanori Shintani, [MBR] Masaki Nanbu, Takuya Yamamoto, Katsuhiro Hayashi, Takaaki Mabuchi, Gen Niimi, Wataru Yagi, Shintaro Yoshida, Naoyuki Asai, Takeshi Ikemoto, Hiroto Fujita, Akifumi Otomo, Shohei Shimizu, Kouki Nakazato, Masashi Nomura, Mutsutaro Hasegawa, Kazuki Furuichi, Shunichi Ohno, Kohki Nakata, Ryutarou Ueda, Kyohei Yamaguchi, Sari Takahashi, Takafumi Iwazaki, Kenta Takahashi, Raiki Takenaga

### ● Car Features and Team Aspirations

### ● Team sponsors

Akeru, AKIRAX, Altair, AOYAMA SEISAKUSYO, ATS, AUTO STAFF, AUTOBACS SEVEN, Autoshop Fukui, AVO/MoTeC Japan, Blenny, Calsonic Kansei, CARNATION, DENSO, DUKE FUKUI, enable, ENUMA CHAIN, Fujikin, FUKUI BYORA, Fukui Prefectural Sakai High School, FUKUI Syokokaigisyo, H&F, HILLEX, HINO Denshi, Hokushin, igus, Iwasaki Kigata, Japan Polymark, Kinokuni, Kobe Steel, Kusajima Radiator Works, KYO-EI Industrial, KYOWA KOGYO, Marugo Rubber Industry, MathWorks, MISUMI, NAKAKEN Syoten, NHK Spring, NMB Hanbai, NOK, NTN, O-Z Japan, OETIKER, SANGO, SOLIDWORKS Japan, Sumitomo Wiring Systems, SUN-LUX, SUS, SUZUKI MOTOR CORPORATION, TAKASU CIRCUIT, TAYASU, TECHNOIL Japon, TMC, TOP, TOYODENSO, Tsubokawa Kogyo, UNIVERSITY OF FUKUI, UNIVERSITY OF FUKUI Center For Innovative Reserch and Creative Leading Education, UNO GEAR INDUSTRY, VI-grade Japan, WEST RACING CARS, Works Bell, YOSHIOKA KOH



## 12 Shizuoka University

### ● Members

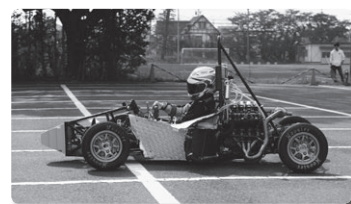
[CP] Seiji Sogen, [FA] Masaaki Motozawa, [FA] Mitsuhiro Fukuta, [MBR] Takumi Nakamura, Daigo Ikke, Yuto Nakanishi, Kazuma Nogi, Kazune Uesugi, Hiroya Tomita, Kyosuke Nomura, Tsubasa Ishii, Toshihumi Kojima, Atsuya Sasaki, Hayate Takahira, Chisato Toyoda, Ryuki Matsubara, Tatsuaki Murakami, Suzuna Momiyama, Yudai Yahara, Ryo Ishibashi, Jun Inaki, Hiroki Kawabata, Shunta Tsukiji, Takeyasu Noda, Koto Miyamoto, Sotaro Yokoi, Kazuto Yoshida, Yuki Wakatsuki, Taiki Oishi, Kei Watanabe, Ryuto Asakura, Natsuki Sako, Kosuke Sato, Kyogo Suzuki, Shumpei Suzuki, Manami Suzuki, Rino Suzuki, Kanon Sumi, Nobuhisa Tanaka, Koushi Tani, Yuki Tamura, Seiya Tsuchikawa, Hikaru Naito, Rikuto Nonomura, Hirotsugu Hayashi, Toshiki Horibe, Kota Matsuoka, Seiya Mabuchi, Yusuke Moriyama, Hiroya Yamano, Chouhary Anupam

### ● Car Features and Team Aspirations

We changed the wheel diameter from 13 inches to 10 inches. We aim for a single rank in the total ranking with SS-619 "Hamakaze" which has been dramatically lighter than last year model.

### ● Team sponsors

Shin Nippon Tokki, Shinba Iron Works, IDAJ, Wako Chemical, SUZUKI World Hamamatsu, SUZUKI, NRS, F.C.C., DENSO, Bolton Works, FUJI LIGHT METAL, ENKEI, NTN, Kaneko Gear, Hamamatsu Daiichi Tosou, NIICO, CYBERNET, Fukai MFG, Toho Tenax, Fuji Corporation, KYOWA, Toyo Sokki, Nicole Marketing, NMB hanbai, Maruichi, TOHNICHI, Nakayama Seiki, Nissin Kogyo, TMC, Shin Nippon Wheel Industry, AVO/MoTeC Japan, CYAN, Tyoo Electronics Japan, Sumitomo Wiring Systems, R's Racing Service, Asahi Kasei Construction Materials, Syowa Aircraft, Fujita, SolidWorks, DAYTONA, MISUMI, ISK Hamanakoten, Shizuoka University Faculty of Engineering Center for Creative Engineers, Shizuoka University, takayanagi, Hamamatsu Active Machine Industry Organization, Kobayashi Industrial, SAKURAI LTD., Kunimoto Industry, Hamani Kasei, FEC chain, Somic Ishikawa, Koza seisakusho, S-TEC, UNIVANCE, Wittlabo, NIPPON LOCK, Toyoda Gosei



## 13 Ibaraki University

### ● Members

[CP] Yuki Oka, [FA] Souichiro Nishino, [MBR] Hiroto Tanaka, Takuya Murata, Daiki Kudo, Akifumi Odanaka, Takumi Isono, Sakura Isomoto, Shingo Morotome, Takeru Shiina, Yuki Katsu, Daishi Takahashi, Ryo Konno, Daisuke Sakata, Ryo Yatsumonji, Keito Yumino

### ● Car Features and Team Aspirations

The machine concept for this fiscal year is "Both reliability and speed." The reliability of various parts in vehicles was low last year, and troubles occurred frequently, and it was not possible to earn the mileage to the tournament. This year, while focusing on reliability in the vehicle, we will further refine the speed that we upgraded last year and aim for an overall sixth place finish.

### ● Team sponsors

IDAJ, AIWA, ASAH KASEI CONSTRUCTION MATERIALS, enable, Altair, ARTNER, igus, ISHIKAWA INK, IBARAKI TOYOTA, IBARAKI TOYOPEP, Ibaraki plating Kogyo, IMAHASHI MFG, Iwate MFG, HPI, HPC, H-ONE, NE-tec, MinebeaMitsumi, NOK, NTN, FC design, EK CHAIN, AVO/MoTeC JAPAN, OETIKER, OSG, Okawa Screw Manufacturing, Ohtake Works, AUTOBACS SEVEN, AUTOLAND TECHNO, Autoliv, Okajima

Pipe, Oxeon AB, Omata Transportation, KW AUTOMOTIVE JAPAN, Kakurai Sogyo, Kawakin Sangyo, KIKUCHI GEAR, KINOKUNI Enterprise, Lab-CAST, KYOWA KOGYO, KONAN, KOHKEN, Coco Factory, KOVAX, KOMINE, CYBERNET, southco Japan, SATTE SPRING, Something Corporation, SAMSUNG JAPAN, SANOH, Sarwa-seiki, C-TRADE, JWAY, JSP, SHIGEMATSU WORKS, SIEMENS, SHOUEI, JOYO FUDOSAN, JYOYOMOTORS, SHIN-EI WORKS, JYOYO MOTORS, SHINDENGEN, SUZUKI MOTOR, SUZUKI KOUGYOSYO, Sumitomo Wiring Systems, SEKINE Manufacturing, Sensata Technologies, SEIWA WORKS, SOUTETSU, SOMAY-Q TECHNOLOGY, SOLIDWORKS JAPAN, DAIJI, TWIN RING MOTEGI, Tsuji Electronics, TIES, Tsurumachi WORKS, THK, TOTAL LUBRICANTS JAPAN, TOKYO R&D, Tokyo Measuring Instruments Laboratory, TOHNICHI Mig., Topre, Tohoku Radiator, TOYODENSO, Hiroki Factory, Tomita Works, TOYOTA Rental & Leasing, TOYOURA, MURATA Factory, Nissho, NISSHIN Kokan, Nissin Kogyo, NIPPON STEEL PIPE, Nifco, JST, JARI, NIPPON PAPER CRECIA, Nippon Dry-Chemical, Japan U-pica, Hitachi Metals, Hitachi Metals Tool Steel, Hitachi WOOD, Fibex, VSN, Fomo Japan, FUKAI MFG, Fukuda, Fuji Seimitsu, braille Japan, PLUS-μ Brake Factory, PROSTAFF, Honda Motor, HOPEC, The MathWorks, SKIDRACING, Maruhachi, MISUMI Group, MITSUBISHI CHEMICAL ADVANCED MATERIALS JAPAN, Mitsubishi FUSO Truck and Bus, Minamikoya Medical Office, MITOLoy, Yamaya Kigata Seisakusyo, UACJ, UGO, UNICAST, Uniquetape, YOSHIDA, Waragai Seisakusho, TEAM AMG



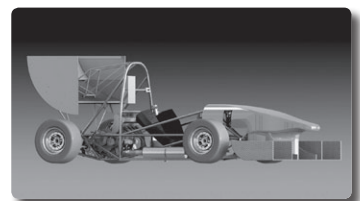
## 14 Tokyo University of Agriculture and Technology

### ● Members

[CP] Ryo Inaba, [FA] Takayoshi Kamada, [MBR] Haruto Ishikawa, Kazuki Sekine, Ryohei Takahashi, Akihiro Terahara, Hiroto Endo, Yuji Furuya, Ryunosuke Honda, Kohei Muramatsu, Takumi Yonehara, Takaki Oka, Nozomi Yunoki, Makoto Amemiya, Fuya Ichihara, Yuya Umemoto, Tomodai Okano, Keito Kitabayashi, Natsume Kibayashi, Machi Goda, Yuka Shiomi, Kotaro Shimabukuro, Yuto Sekine, Kazuki Sekimoto, Keisuke Soma, Taiki Soyama, Keita Takahashi, Kosuke Nakajima, Fumihiko Nakamura, Mitsutoshi Hada, Mayu Fujita, Takumi Minowa

### ● Car Features and Team Aspirations

### ● Team sponsors



## 15 Tokyo City University

### ● Members

[CP] Ryosuke Wada, [FA] Yuji Mihara, [MBR] Bunta Takase, Yuki Funase, Daiki Fukuhara, Shohei Wada, Kaito Kanemoto, Masaya Suzuki, yuki hiruta, Hirotaro Ochi, Yusuke Sakamoto, Shu Yamada, Tatsunori Miura, Nagaami Hikari, Ohtsuki Hiroyuki, Keisuke Kodama, Hiroki Igarashi, Syunsuke Ito, Masaya Syouda, Yuki Iino

### ● Car Features and Team Aspirations

Low, wide and fast 4 cylinder car. With a cockroach as a concept, we will build a machine with high acceleration performance and turning performance and aim to win.

### ● Team sponsors

AVO/MoTeC Japan, NTN, Osco Industry, Iwamoto, Kinokuni Enterprise, KYOWA Engineering Laboratory, Oyama Garage, Socket Center, Tokyo R & D, PLOLOX, Hirex Corporation, Fuji Manufacturing Co., Fuji Precision, Minoru International, Racing Service Watanabe, Kyowa Industry, Ohara Gear Industry, Cybernet System, Junior Motor Park Quick Hanyu, Suzuki, Sumitomo Wiring, SolidWorks Japan, Imperial Gum, Toyo Electric Works, Nippon Light Act, Nissan Motor, Nichinin Industry, Nippon Light Metal, Nippon Starts, Furukawa Battery, Honda Motor Co., Meister Club, Kitamura Industry, Nikkaki Works, Bear, UD Trax, IDAJ, Keiyo Bend, Hirayama Motor Industry, Fukai Works, Toyo Denki Maruyama Radiator Workshop, Musashi, Tasillo, Ito Precision Welding Place, Nakamura Iron Works, Plus Mu, Toyota Renta Lease Tokyo, IPGAutomotive, Lestrada, Kodama Corporation, South Design, Yamada, Job Hatch, Autoliv, Folia Japan, Kato Manufacturing Co, Kotla, SUBARU, HKS, Southco Japan, Fuji WPC, Auto Readers, MISUMI, Seongnam Key, NOK, Daytona, Idemitsu Kosan, Kato Works



## 16 Nippon Institute of Technology

### ● Members

[CP] Takumi Tomatsu, [FA] Michio Nakano, [FA] Toshiyuki Yasuhara, [MBR] Monzen Kosuke, Kawashima Fumiya, Takano Kiichi, Obana Masahiko, Tsuruta Akihiro, Namiki Yutarō, Someya Reo, Sakamoto Shori, Sone Yuuki, Katayama Koshi, Kokubu Hiroki, Yanagi Motohumi, Ishikawa Takumi, Haruki Shigeyama, Kouki Tokunou, Gou Kitayama, Kougi Arawaka, Chisato Enomoto, Takayuki Hashimoto, Haruka Kagiwara, Mao Takahama, Yukihiro Tanimura, Kazuyoshi Ishiguro, Keido Hayashi, Masaki Hayashi

### ● Car Features and Team Aspirations

This year, we will reduce the weight by approximately 14 kg, aiming for a compact vehicle based on the concept of a light, fast and easy-to-use vehicle. The goal of the team is to complete all items, complete the run and get a single number, and

also aim for the consecutive winning of the cost award that won the first place last year.

### ● Team sponsors

Nippon Institute of Technology, Nippon Institute of Technology a support association "Koyukai", Honda Motor Co.,Ltd, Junior Motor Park Quick hanyu, Harappark Miyashiro, Nissin Industries, Solid Works Japan, MoTeC, Fuji Precision, Wako Chemical, Rays, NTN, Kinokuni Enterprise, Shuichi Sudo, F-C-C, Silkmaster, Kyoei Industry, Sakae Steelpipe, Plusμ, I-R-S, Shinobu Kiko, Kazuo Tsuzura, Oshima Autoservice, O-TEC Suzuki, Toyota Rent acar Kasukabe East Exit station Front shop, Plus Plastics BRAND, Moto Liberty, HB, Ishikawa Ink, IDAJ, Touyoneji, Nikko Solvent, Zero, Misumi, Ichikoh Industry, Henkel Japan, N-M-B Sales, Sawai Building Material, HEPHAIST, Koganeiseiki, Shinhokoku Steel Corporation, Shuichi Kubo, Ibdien REGULUS, PMC, Yamazaki Giken, RAC, IKK, Koken, Scootec Japan, APC Aero Speciality, GLOBAL, VSN, WEST RACING CARS, BRAID, Sankyō Radiator, FC design, Southco-Japan, SUS, FUKAI, Oji, DENSO





# Team Information (Members and Sponsors)

## 17 Kasetsart University

### ● Members

[CP] Sorawis Nilyanart, [FA] Prapot Kunthong, [MBR] Kitti Pungsiri, Jirawin Kijittikorn, Yasinthorn Seabausod, Patcharakorn Wattanapanom

### ● Car Features and Team Aspirations

The car we make say a lot about us. We will keep smiling, be positive and never give up. These are always our goals and our attitude.

### ● Team sponsors

SKF, TOZZHIN, MOTUL, OKUMA, MAKITA, FCC, POWERLAB, JWD, PEARL, COBRA, BIRA CIRCUIT, UPBEAT, NEXZTER, PS SHOP, DIAB, AEROFLEX, REAL, PRODRAGGER, DID, BOXZA RACING, INJECTOR SHOP, SCHROTH, CANON, HYB, CG-400, SOLARGARD

NO DATA

## 18 Universitas Negeri Yogyakarta

### ● Members

[CP] I Wayan Warsita, [FA] Zainal Arifin, [MBR]

### ● Car Features and Team Aspirations

Formula Garuda 19 (FG-18) is designed to focus on power to weight ratio, stability handling, and efficiency. We use 600 cc single cylinder engine with Integrated Control System. As one of the delegations of Indonesia, we hope reaching the best result and having a great finish on Top 10 Overall.

### ● Team sponsors

Motul, Garuda Indonesia, PT Indonesia Steel Tube Works (ISTW), IKATO, Bhinneka Life, Manual Tech, Bies Injection, Bengkel Idek, Add Suspension, Solidworks Dasault System, Yamaha Motor Manufacturing Indonesia, Maguwoharjo International Stadium, PT Citra Jogja Kreasi,

C-Maxi Alloy Cast, Jogja Istimewa, Shift Engineering, GNFI, Kedaulatan Rakyat, Harijan Jogja



## 19 Sanyo-onoda City University

### ● Members

[CP] Ryota Nakanishi, [FA] Takao Kijima, [MBR] Kotaro Sakai, Yuki Nakanishi, Takuma Fukuura, Masakazu Fujihara, Kazushi Murakami, Shinya Waseda, Yuya Ohtani, Yutaka Ohashi, Satoshi Kawasaki, Yuji Sugae, Riku Takeda, Io Tanaka, Shinichiro Nagahama, Gai Muranaka, Yuichi Imai, Ryohei Kubota, Tomoaki Sugi, Shoma Takeda, Chisei Nishimura, Kanta Yasuda, Sora Yokoji, Shunta Watanabe

### ● Car Features and Team Aspirations

The concept of the vehicle in this year is "maneuverability between linears" same as that of the last fiscal year. To realize the concept, we made low center of gravity and weight saving of each part. We are aim to complete all events for 4 consecutive years and rank in the top 15.

### ● Team sponsors

SUNLIGHT, WAKO CHEMICAL, Fuji Seimitsu, DOW CHEMICAL, TAKATA, Sumitomo Wiring Systems, Minebea, Honda Motor, MISUMI, SOLIDWORKS Japan, IKEYA FORMULA, Terada seisakusyo, Auto Exe, THK, NISSIN Kogyo, KINOKUNI Enterprise, F.C.C, Natura Circuit, Uchidakouki, NTN, Kasama Industry, X.A.M JAPAN, Tokyo University of Science Yamaguchi, Honda meister club, KYOWA INDUSTRY, Prior Tec, Roadster Club of Japan, KYO-EI, MZRacing, fukaisaisakusyo, Natura Circuit, CYBERNET, DID, DENSO, Turu jidousyakougyou, NISHINIHON DRIVING SCHOOL, Choshu Industry, YAMAGUCHI-MAZDA, HPS YAMAGATA, General Engineering, Road Star Four, Altair Engineering, Asia Manufacturing, SCOOTTECH JAPAN, Ishihara-radiator Kogyosyo, N-M-B sales, KOTORA



## 20 Waseda University

### ● Members

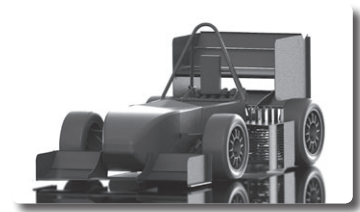
[CP] Yuto Fujii, [FA] Izumi Ishii, [FA] Makoto Sato, [FA] Tomoyuki Miyasita, [MBR] Suzuki Takahiro, Hiroaki Ogawa, Jun Onodera, Jun Tomita, Takahiro Arai, Takehiro Handa, Toshihito Tatsuoka, Tetsuhiro Katahara, Shota Aonuma, Takahiro Ichige, Shun Igarashi, Nagisa Itou, Tatsuya Maruyama

### ● Car Features and Team Aspirations

Based upon the concept of "LapTop", major changes to the design were made in order to achieve a more lightweight and compact package for the WFP2019 car. We will do our best and challenge 10th overall.

### ● Team sponsors

NTN, KYB, JUNIOR MOTOR PARK Quick HANYU, SUZUKI, SolidWorks Japan, Taiyo, Nakagawa Sangyo, Nihon Piston Ring, MAHLE JAPAN, UD Trucks, LifeRing, Resonic Japan, Landmark technology, RAC, Asso International, Igus, Ishihara Radiator, WEST RACING CARS, Ueda, F.C.C, nmb Hambai, OZ Japan, Auto Force, KINOKUNI Enterprise, KYO-EI Industrial, KYOSEI, KYOWA Industry, KOHSHIN CHEMICAL, KOTORA, XAM Japan, Shichifuku Kinzoku, Sumitomo Wiring System, 3M japan, DAW, T.CRAFT NECTO, TECHNOIL JAPON, Nishimura Tire, Nissin Kogyo, Japan U-pica, FUKAI MFG, PRO-TECTA, PLOT, MathWorks, MISUMI Group, Moto Liberty, UACJ, RYOBI, LINK JAPAN, ASAHI SPRING Manufacturing, Sakai Industry, TAMACHI INDUSTRIES, DMM.com .make, Cars Hatano, Rush Factory, REIMAX, Waseda Mechanical Engineers, Waseda University Kusaka Lab, Waseda University Miyashita Lab, Waseda Monozukuri-Koubou, Engineering Laboratory, Waseda Mechanical Engineers, Waseda University Automobile Club, Personal Sponsors



## 21 Shizuoka Institute of Science and Technology

### ● Members

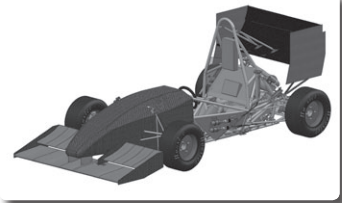
[CP] Shun Saito, [FA] Takashi Nozaki, [FA] Katsuhiro Amano, [MBR] keisuke adachi, kazushige okamoto, ryoya saitou, kenta yamauti, tomohiro suzuki, ayumu oshio, sho watanabe, Eisuke Nakano, Tomotaka Nagai, natsuki serizawa, Hiroki Shizuhata, Syougo Kinpara, ryo honda, katsuya hirano, hiroki yano, kazumasa matsui, Kento Kubota, naoyuki kashiwagi, Naoki Ueguchi, Keito Shukushima, Hikaru Ashihara, Yosimasa Okura

### ● Car Features and Team Aspirations

We have been developing machines with the aim of participating in the Edurans Final. Focus on static events and aim for 15th place or more in total!

### ● Team sponsors

Suzuki, Daikin Industries, Shinba Iron Works, Solid Works Japan, Torii Automobile, Univance, NTN, Daytona, Daido Industry, Sekimonodukuri Research Institute, THK, Kyowa Industry, Sensata Technologies Japan, Oetica Japan, IRS, Ogusu Metals, Fukai Manufacturing, Yutaka Giken, NMB sales, Protrad, Xam Japan, Igus, NTN Omaezaki Works, ISK, MISUMI Student Manufacturing Support, Sumitomo Wiring Systems, Kyoei Sangyo, West Racing Cars, Fuji Communications, Koito Works, Fuji Xerox, Belcary Ale, Suzuyo Corporation, Suzuyo System Technology, Suzuyo Construction, Shizuoka Building Services, Central Invention Research Institute, MathWorks, Altner, Nissin Kogyo, Fuji Precision, IDAJ, Road Japan, Kinokuni Enterprises, Japan launch, Shibata Vehicle, Fujitsu, Tokai Rikki, Kinokuniya Bookstore, General Engineering, Nippon Crimp Terminals Manufacturing, Inc., KS, Fuji Corporation, Blenny Giken, LASTHOPE, Plus mu, Toyota Parts Shizuoka Joint Sales, Kawasaki, Kimura Foundry, Sankei Kogyo, Nipatsu Mek



## 22 Universitas Gadjah Mada

### ● Members

[CP] Muhammad Kamal Ardi Putra, [FA] Fauzun, S.T., M.T., Ph.D., [FA] Akmal Irfan Majid, S.T., M.Eng, [FA] I Gusti Bagus Budi Dharma, S.T., M.Eng., Ph.D, [MBR] Hanif Adyatma Herlindra, Made Bilan Asasia Binov, Adipura Firman Satriangga, Alvinhi Mohizzhar Iseko, Andhira Jyesta Lalita, Arva Naufal Rachmanoka, Cahyo Wibi Yogiswara, Duta Adi Hersetiawan, Fadel Maulana, Fadhiela Noer Hafiezha, Gilang Sandy Firdaus, Hafidz Miftah Rosyadi, Irsat Hanafi, Rezki Eriyando, Rifki Yogiantara, Wenmas Ardya Ifftihar, Yogi Abul Yatama Putra, Aditya Maheranta, Andreas Caesario Dwinanda Laksana, Azzahra Delwi, Daniel Heri Sandi Purba, Devita Ayuni Kusumaningsih, Iqbal Faishal Rokhmad, Lidya Desi Ulina Gultom, Muthia Sekar Pratiwi, Naditira Lingga Whesti, Naufal Adli Risqullah, Safirah Qurrota Ayunin, Yusuf Waliyuddin Azka

### ● Car Features and Team Aspirations

The latest and greatest prototype, the 8th generation car has a concept of swift by exploring the potential of the engine and perfecting the car geometry. The BM-8 uses MoTeC M400 ECU equipped with launch control for maximum performance and uses anti-roll bar to reduce roll motion and increase tire grip especially in high-speed cornering.

### ● Team sponsors

PT Pertamina (Persero), PT Sumber Segara Primadaya, SilkAir, PT PGAS Solution, PT Toyota Motor Manufacturing Indonesia, PT Waskita Karya, Kementerian Perindustrian Republik Indonesia, PT Wira Bhumi Sejati, PT PLN (Persero), PT Pelabuhan Indonesia IV, PT Semen Indonesia Tbk, BNI, PT Chandra Asri Petrochemical, PT Poeser Indonesia, PT Telekomunikasi Selular, PT Angkasa Pura 2, PT Waskita Beton Precast Tbk, PT Pelabuhan Indonesia III, PT Pupuk Sriwidjaja Palembang (Pusri), PT Indonesia Steel Tube Works Ltd, 3Tech, Swaragama, Bless



## 23 Nihon Automobile College

### ● Members

[CP] Keisuke Numata, [FA] Yasuhiro Hayakawa, [FA] Mitsunori Yabe, [FA] Hiroshi KADONO, [FA] Tomo TAGAMI, [FA] MAKOTO KANAI, [FA] Shinichi Azuma, [FA] Motoki Waki, [FA] Yuichi Uwai, [MBR] Riku Ichimura, Daiki Ito, Yoshihiro Oguchi, Kazuki Osumi, Tomoya Osumi, Fumiya Ozaki, Syouhei Kasai, Harutoshi Kimoto, Taiga Konya, Kiyoshiro Saito, Tomo Shoji, Yuta Shinmura, Shu Takeda, Takumi Tadokoro, Ryoto Tamashiro, Kengo Tanno, Kotaro Nishioka, Tomiyuki Mimura, Jyun Higaki, Daiki Hirauchi, Haruka Hirose, Kouta Fujiwara, Hideaki Matsumura, Syota Yanagihori, Kensuke Yamaki, Tomohiro Yamazaki, Yusuke Watanabe, Ryo Shinozaki, Nobuhide Takahashi, Naoki Nakamura, Maho Hatakeyama, Ryo Misuno, Hirotaka Muramatsu, Takumi Yanagihashi

### ● Car Features and Team Aspirations

The concept of FFN-10 has been determined as "Quick Motion & High Response". By using our matured technology and knowledge based on the experience accumulated over the past nine years, the team will work as one to aim for the overall victory, our wishful wishes, in order to clear last year's regrets.

### ● Team sponsors

IRS, R-A, RAC, WEST RACING CARS, AVO/MoTeC JAPAN, Eiwa Kogyosho, OVER RACING PROJECTS, KINOKUNI Enterprise, KEIYO BEND, Southco, SUZUKI MOTOR, Software Cradle, WFN (SEV), TAN-EI-SYA WHEEL SUPPLY (TWS), TMC (RS-R), NISSAN PARTS CHIBA SALES, Nissin Kogyo, HAYASHI-REPIC, FUKAI MFG, MAC MECHANICS TOOLS, Yamaha Motor, Uniauto (WePro), WAKO CHEMICAL



## 24 Aichi Institute of Technology

### ● Members

[CP] Yuya Ota, [FA] Kohei Takeda, [FA] Yoshiaki Nishijima, [FA] Hidenobu Ota, [MBR] Yoshitaka Ibuka, Kouga Fukui, Takashi Nagai, Mikio Kobayashi, Ryuichi Ichinose, Ryuya Yamaga, Riku Nakamura, Kensuke Fukaya, Ryoga Kawai, Yui Sato, Asuka Shimizu, Syuichi Takada, Syunpei Miyake, Keisyuke Mutou, Yuto Kimura, Taichi Okamoto, Hiroto Katagiri, Takumi Kano, Haruhiko Simizu, Nanako Hiramatsu, Hirotaka Yoshimizu, Yudai Onoda, Singo Matushita, Taisei Ohashi, Yuto Arakawa, Ayaka Iwata, Nanami Yokoi

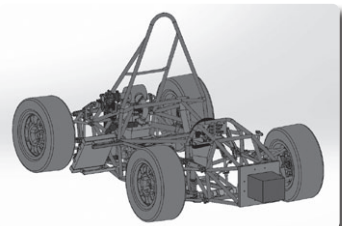
### ● Car Features and Team Aspirations

This year's concept is "Rider And Car As One". We improve our car making use of experience of last year. Light weight of single cylinder

engine and new ECU utilize for travelling performance. We aim place on 20th overall or more.

### ● Team sponsors

ACCLE, Active, Eyestec, enable, ARTNER, WEST RACING CARS, A-I-TEC, NKN, F.C.C, FT TECHNO, Empire Motor, Owltech, OSG, OZ JAPAN, Sard, X.A.M, General Engineering, Cradle, SolidWorks, Tamachi Industries, Total Technical Solutions, NAKADA CRAFT, Next, HITAP, PETROPLAN, WHITEHOUSE, Honda Cars Tokai, MOONCRAFT, Yamaha Motor, AIT Student Challenge Project, Okajima Pipe, KYOWA KOGYO, EBASANSO KOGYO, TAKADA iron foundry, ICHIKOH INDUSTRIES, Sumitomo Wiring Systems, Shinko Pipe Industrial, ISHINO Circuit, MAEDA SHELL SERVICE, Osaka Bane, WATANABE Industrial, Toyokoshuha, Nabeya Bi-tech, NISSIN KOGYO, NCT, Umeno Industry, FUJI SEIMITSU, TAKARA INDUSTRY, Izumi Shoko, J-net rent a car, Next, NTN, Shorai, TCL, THK, VSN, VT HOLDINGS



# Team Information (Members and Sponsors)

## 25 Honda Gakuen Honda Technical College Kanto

### ● Members

**[CP]** Naoki Sakamoto, **[FA]** Atushi Yamamoto, **[FA]** Takuya Tsukagoshi, **[MBR]** Masafumi Tomiyoshi, Riki Ikeda, Renta Suzuki, Kanako Isii, Yuusuke Iino, Takefumi Amari, Nodoka Okudomi, Syoui Tanigichi, Naoya Yamauchi, Souta Sakakura, Kouya Hariu, Miyu Yoshida, Takuma Onoue, Daisuke Ikeda, Hiroki Shimoji, Rintaro Kumakura, Chikato Mori, Koutarou Morimoto, Sousaku Mori, Soushiro Mori, Daiju Aoyagi, Tatsumi Arai, Keisuke Saito

### ● Car Features and Team Aspirations

Honda Technical College Kanto had parts that were diverted every year, but most of the diverted parts come back loose, so it is not possible to make detailed settings, and design from scratch because I do not know

the design intention. The goal as a team is to win a weight saving award.

### ● Team sponsors

Honda Motor Co., Ltd, Honda Techno Fort Co., Ltd, Yahio Industry Co., Ltd, RK JAPAN co., Ltd, Idemitsu Kosan Co., Ltd, CrafthouseG, KINOKUNI Enterprise Co., Ltd, KYOWA KOGYO Co, SANNO TEC CO., LTD, Sumitomo Wiring Systems LTD., Nissin Kogyo Co., Ltd, Formuland RA:HANNO, FARO Technologies, Inc, MISUMI Corporation, F.C.C.Co., Ltd, FUKAI MFG.CO., Ltd, HONDA WING Isii Chamber of Commerce, SOLIZE Corporation, YUTAKA Giken Company, Daicel-Evonac Ltd, X.A.M JAPAN INC, HONDA Cars NOZAKI, OZ Racing, WEST RACING CARS, Toyodense Co., Ltd, Works Bell CO, NTN corporation



## 26 Kyoto University

### ● Members

**[CP]** Akihiro Togashi, **[FA]** Iwao Yamaji, **[MBR]** Shinpei Inoue, Eri Ito, Yuki Hamasaki, Masaki Fukao, Haruomi Noguchi, Yu Maruyama, Takayoshi Fujikawa, Junnya Kubota, Fukasawa Ryotaro, Hikaru Koyama, Sho Wada, Koki Nakahira, Shota Nasu, Yuichiro Okumura, Ryusei Tanaka

### ● Car Features and Team Aspirations

We have developed this machine that is the fruit of these three year's our effort, with sustaining our cultivated technique and also introducing the new designs. We promise to push on toward the victory.

### ● Team sponsors

DMG MORI, Kawasaki, OXISO, HEISHIN, MITATE-KOBO, Toray Carbon Magic, TEI Composites, Daishowa-Seiki, JTEKT, UACJ, NTN, Ito-Seisakusho, Yamagishi-Honpo, ASANO GEAR, IKEYA FORMULA, Sangudo, TODA RACING, PLUS $\mu$ , SOLIDWORKS Japan, TECHNO solutions, IPG Automotive, KOMATSU, YANMAR, techserfu, JAPAN INSULATION, NEOSmonocolle, MIKI PULLEY, Ikeda-Kinzoku-Kogyo, Contec-Labo, Nippon Light Metal, KAFEAL, FUTA-Q, Sumitomo Wiring Systems, Sumitomo Electric Hardmetal, RICOH Japan, umihira, WELD ONE, NSK, MEDICAL CORPORATION KEISHINKAI, DENSO, THK, Biwako Sports Land, meihan sports land, AISIN seiki, TECHNOIL-JAPON K.K, Chubu-Kaken-Kogyo, ADVICS, MISUMI, Works Bell, DIC, Evolve TIRE BOX, IDAJ, LANDMARK TECHNOLOGY, ANSYS, CYBERNET, Ishida Seisakusho, TANAKA FACTORY, TOHMEIGIKEN, NISSIN KOGYO, STÄUBLI, SUGATSUNE, EMU, HASHIMOTO RASHI, SANYO DENKI, WIT, NIKKO, Axon Japan, CHUO SPRING, KYO-EI INDUSTRIAL, Chem Trend Japan, Hirobe-Kigata-Seisakusho, Iwai-Kigata-Seisakusho, Dow Chemical, Print Shop 3P, NOK, ATS, Sunrise, RIAS, TOHNICHI, Sanwa-Mekki-Kogyo, Enterprise-Wai, Kyobashi-Bridge, KONDO KAGAKU, Future Technology, Next, Matsumoto-Kinzoku-Kogyo, Kaiameishindo, Henkel Japan, ASAHI KASEI CONSTRUCTION MATERIALS, JMC, CAST, SHOWA AIRCRAFT INDUSTRY, SANTEST, CATALER, igus, SANWA TRADING, GAT, NAGAOKA ELECTRIC WIRE, MAZDA-Aoi-Kai, KEIKIKAI



## 27 Prince of Songkla University

### ● Members

**[CP]** Narongpol Sattapanyo, **[FA]** Wacharin Kaewapichai, **[MBR]** Thanawat Satjakul, Prad Sakyasin, Nutthanon Khongkhakhet, Panyawatchara Khuntong, Nakkarak Khorosklang, Chayakorn Hemtanon, Tanatuch Chotigarn, Natthapong Rem-a, Piyawat Wanghemmara, Akkadet Sakulden, Sirawich Wetchapitak, Siraphop Ungvisiswong, Gine Vaughn Vivero, Kunrada Chaimanee, Sopitha Chainapong, Pakpoom Kongjui, Ingkarat Khanti, Kunalai Pruekudom, Paweenakorn Duangkaew, Kantapit Meetam

### ● Car Features and Team Aspirations

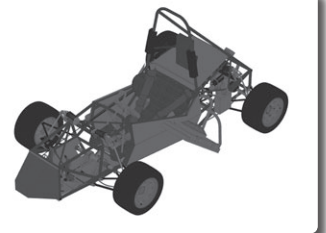
Concept design

1. Lightweight

2. Low C.G.
3. Low moment of inertia

### ● Team sponsors

ENG. PSU. ALUMNI, TOZZHIN, HONDA MODULO, KAWASAKI MOTOR, TOYOTA, MONOGRAM BY CREATIVE, SKF, NTN, Car-Lack (Thai-German), Pro Log Titanium, S.CHAWALIT BEARING ASAHI, Eleven Shop, igus, MR Performance, U.T.INTERNATIONAL, WURTH, Bangmod Racing, YPK Anodize On Services, Morin racing, พระประแดงสตีลไฟท์ จำกัด, บริการช่าง, เครื่องมือดี



## 28 Sophia University

### ● Members

**[CP]** Masayuki Osada, **[FA]** Takashi Suzuki, **[MBR]** Yuji Murata, Makoto Horie, Kent Kajiki, Narumi Aratake, Ryo Sugimura, Yuki Ando, Ryotaro Fujii, Studer Joel Benjamin, Yusuke Tkahashi, Yuse Takahashi, Edward Wenngren, Shumpei Oyama, Yuya Morishima, Yuto Suga, Kazuki Hayashida

### ● Car Features and Team Aspirations

For this year's vehicle, SR18, we completely renewed the package of the vehicle, replacing the full carbon monocoque we have used so far, and manufactured an aluminum monocoque which has good manufacturability and low cost. This year, we will aim to complete Endurance for the first time in eight years.

### ● Team sponsors

Yamaha Motor, Tein, Laser Max, UD Trucks, Sekisui Plastics, Aoshima Gear, Schroth Racing, Miyaki, Asahi Spring, Altair Engineering, Miyako Hydraulic Brake, VI-Grade Japan, Hiragaki Seisakujo, MISUMI, IDAJ, SH Consulting, SUNOCO, Iwakura, Fuji WPC, Fukai, Materialize Japan, Okuno Global, GAT, AVO/Motec Japan, ACM, Dow, Textreme, CD-Adapco, Bosch, Okitsurasan, Vantec HTS Forwarding, Mobarra Twin Circuit, Toyota Technical College Nagoya, Sophia University Technology-Center





## 29 University of Yamanashi

### ● Members

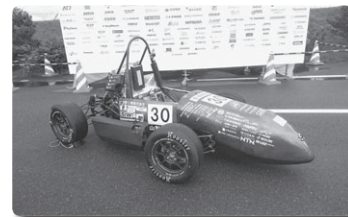
[CP] Shuto Hatano, [FA] Hiroyuki Tsunoda, [MBR]

### ● Car Features and Team Aspirations

We, University of Yamanashi will change an new engine this year and work on activity to power up than last year.

### ● Team sponsors

Suzuki, Amano industry, H-K-S, Endress Hauser Japan, O-Z Racing, Ogata dental clinic, Kasai dental clinic, Kaneko gear industry, Kaisya, Tein, Tokyo R&D, F.C.C, Autobacs Seven, Sanpo, Hilex Coporation, Kawamura automotive industry, Simba ironworks, Tyuo Giken, Kyowa industry, Klif, Sankin, Sportsland Yamanashi, Solidworks Japan, Takata, Toyokoken, Mitsubishi Aluminium, Motor.ism, Nissin industry, Nihon Hatsujo, Fuji Precision Machine, Hara Manufacturing Plant, T.M.WORKS, Yumura automotive School, Yamanashi Toyota, Yamanahi industry association, University of yamanashi Manufacturing Center



## 30 Teikyo University

### ● Members

[CP] Shunpei Yamashita, [FA] Koji Sorimachi, [MBR] Masakage Sunouchi, Ueki shuya, ku iki, Naoki Hayashi, Hoshino Kaito, Kota Sasaki, Ryosuke Tukui, Hiroki Yamanouchi, Shogo Yasuda

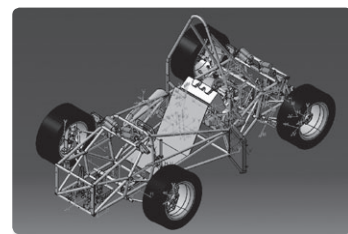
### ● Car Features and Team Aspirations

With the concept of (Lighty for Victory) this years vehicles are aiming for full run of all items for two consecutive years.

### ● Team sponsors

Teikyo University, Honda Giken Industrial Co., Ltd., Honda Technofort, OZ RACING, Altea Engineering, Kyowa Sangyo Co., Ltd., Fukai Manufacturing Co., Ltd., Usami, Seiwa Kogyo Co., Ltd., Festival Metal Circuit Tochigi, Sumitomo Metals, Sumitomo Wiring Systems, TMC, Nisshin Kogyo, IPG Automotive, Thomson Japan, ISPA, Wako Chemical, Azabu Molding, Kubota Welding Industry, Iigus, Okuno Global Tech, Shinko Gear, NOK, Hyrex Corporation, Kyonaga Sangyo,

WELDTOOL, San Koh Industry, Daytona, Beams, Maxell Srontec Headquarters, MISUMI, NTN, Denso, Rast Lada, Factory Gear, Toko Radiator, FCC, Kinokuni, AVL Japan, VSN, Can Do VISION, Minami Giken, OSG, SHOWA, Body Factory Murayama, Marubeni Information Systems, Pacific Seiko Co., Ltd.



## 31 Kyushu Institute of Technology

### ● Members

[CP] Ryuki Uehara, [FA] Toru Kawabe, [MBR] Koki Iwasa, Natsuki Tomita, Hiroe Ishimaru, Masakatsu Kakura, Tsuyoshi Konishi, Yuki Hirashima, Kazuya Kawamura, Takahiro Miura, Makoto Fukunaga

### ● Car Features and Team Aspirations

We aimed for significant weight reduction by adoption of 10-inch wheels and renewal of each part. We would like to recapture single car number.

### ● Team sponsors

IDAJ, ASAH KASEI CONSTRUCTION MATERIALS, ARTNER, RAC, igus, Ishihara Radiator, Ins.R, WEST RACING CARS, Air Gases Kitakyushu, HPC Systems, AVO/MoTeC JAPAN, NTN, F.C.C, Office K, Kawasaki, Kinokuni Enterprise, Kyushu Institute of Technology Practice Factory, KYOWA, Kobe Steel, CYAN, Sasakikogyo, Shinba Iron Works, Sumitomo Wiring Systems, Software Cradle, Taiseiplas, TAKADA, THK, DENSO, TONE, Trailbucks, NHK Spring, Nippon

Light Metal Company, VI-grade Japan, Fukai, Fuji Seimitsu, PRIME Garage, PLOT, Henkel Japan, MACH, MISUMI, Minebea, MIYAKI, Meisenkai, Motorshop NEST, Yamanaka Eng, RUNTEC, RS-Watanabe, WAKO CHEMICAL, NIPPON TOTOR, AUTOBACS SEVEN, Nissin Kogyo, TEIN, Nifco, Tamadic, Altair Engineering, AISIN SEIKI, Kokura transportation



## 32 Chiba University

### ● Members

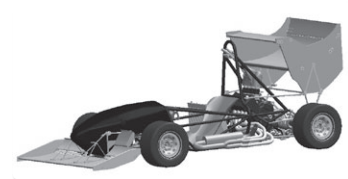
[CP] Masato Yamagishi, [FA] Yasuo Moriyoshi, [FA] Kazuyoshi Kouno, [MBR] Tomoki Oikawa, Shigeya Kubota, Naruki Ezawa, Kazuhiro Okada, Riku Fukagawa, Akira Motomiya, Yuika Yamazaki, Yuya Ishiduka, Yosuke Kanesaka

### ● Car Features and Team Aspirations

With the goal of developing "improving cornering performance and traction", we redesigned all parts of the suspension and powertrain and made significant updates to the vehicle. We will challenge the tournament with the aim of 1st on total score not yet achieved in the team.

### ● Team sponsors

ASAH KASEI CONSTRUCTION MATERIALS, IKEDA METAL INDUSTRIAL, Idemitsu Kosan, Ins-R, MinebeaMitsumi, NTN, Micro-Star INT'L, Nihon Automobile College, ISHIKAWA INK, F.C.C., LPA, KAJITETSU, KINOKUNI Enterprise, Kusaka Mfg, keiyo driving school, Kotori, Sasakikogyo, TAMATSUURA PATTERN, TMC, DENSO, TOHNICHI, TOYO SYSTEM, Toyota RENTAL & LEASING Chiba., NAKAMURA KIZAI, VI-grade Japan, novum-motor sport factory, HI-LEX, FUKAI MFG, Fuji Seimitsu, Metal Works, Yawata Home, Yutaka Giken, LOBTEX, Works Bell, Calsonic Kansei, KYOWA KOGYO, KEIYO BEND, CIRCUIT-NO-OOKAMI MUSEUM, CYBERNET SYSTEMS, ZAN, JobHatch Sumitomo Wiring Systems, SolidWorks Japan K.K., Chiba University. Faculty of Engineering, chiba-kougaku-dosokai, Chiba University. Manufacturing and Machine Elements laboratory, TOYOTA KATSUMATAGROUP CHIBATOYOPET, tohoku radiator corporation, Nippon Light Metal Company, Ltd., NISSIN KOGYO, NSK, NIPPON PAPER CRECIA, NHK Spring, Hino Motors, Build Damage, MAHLE Japan, Mitsubishi Materials, Yamaha Motor, saito-press, Shibata Syaryou, GARAGE SHIMAYA, PLUS-MYU Brake Factory, MOBARA TWIN CIRCUIT, Raycraft racing service



# Team Information (Members and Sponsors)

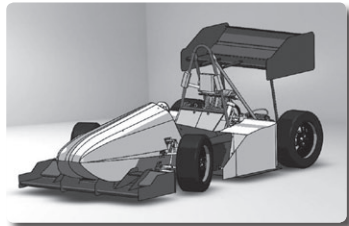
## 33 Osaka Institute of Technology

### ● Members

[CP] Naoki Ueda, [FA] kazunari kuwahara, [MBR] Hiromu Murakami, Wataru Satake, Kouichiro eguchi, Uchiyama Takaya, Teruyuki Minato, Ryusei Yanagida, Renka Yasuda, Katsunari Ota, Koki Mimura, Ryo Shimizu, Koki Ando, Takuya Hamaguchi, Yuki Fujihata, Atsuya Yoshiga, Takuma Kawakami, Natsume Kojima, Takuya Uehara, Masaki Itsu, Kazutaka Yamasaki, Haruki Ngai, Kota Kishishita, Soichiro Nakano, Tetsuro Miyazaki, Kota Kagiya, Hidetoshi Abe, Takahisa Inoue, Ryota Uehara, Naoki Ohira, Kazuki Kanata, Kosaku Kiguchi, Tomoaki Sakaguchi, Shun Takeuchi, Ryo Nakajima, Minoru Fuke, Masaki Fujisita, Koki Fujimoto, Taichi Moriya, Masaki Nakagawa, Rei Fujita, Yusei Fujiwara

### ● Car Features and Team Aspirations

This year's goal is to update our team's record 15th overall. We will aim to achieve the target with vehicles equipped with full aero and improved cornering performance, reflecting the vehicles of the first fiscal year.



### ● Team sponsors

Suzuki, SOLIDWORKS Japan, Yamato, ECOTT, ZION, ISK OsakaMaishima, NipponiChemical, Fu-se Vacuum Forming, MIZUTA COMPOSITE, EXEDY, LASER TECK, P's supply, SAMTECH, Tanigawa Electric Industry, HIOKI, SAKAGUCHI MANUFACTURING, Osaka Spring Industrial, KOTORA, Honda Techno Fort, VSN, KUMONSIKIKOUGYOU, F.C.C. Sumitomo Wiring Systems, Project Mu, CAR PORT MALUZEN, NISSIN KOUGYO, KYOWA, GruppeM, NTN, KOKEN, DENSO, Altair, VI-grade Japan, GENETEC, CAST, OZ Japan, Ishihara Radiator, Works Bell, OKUNO GLOBAL TEC, FUKAI, NISSO KOGYO, MCS, North Hillz Welding Industry, igus, Osaka Forming, JobHathc, Nakajima Industrial, NIFCO, FACE, TOYODENSO

## 34 Saitama University

### ● Members

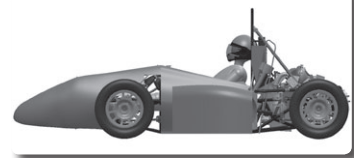
[CP] Yuki Suzuki, [FA] Hiroyuki Hirahara, [MBR] Kaito Kobayashi, yuya kawaguchi, Taira Ishikawa, Shun Ohmamiuda, Makoto Funada, Shota Kondo, Hayato Kameyama, Mayuko Otake, Shirabe Shinohara, Tetsuaki Kaji, Kazuma Mitsuboshi, Koki Murakami, Yusuke Watahiki

### ● Car Features and Team Aspirations

To improve the accelerating ability and stiffness of rear part of body from previous machine SU-02, Our team determined the concept of machine to "RISE" and focused on stable rise from a corner. The aim of this competition is the place of 20.

### ● Team sponsors

HONDA, GANADOR, Origin, NPR, porite, AraiHELMET, KOGANEI SEIKI, CALSONIC Kansei, YAGISHITA GIKEN, DESSIN, CIRCUIT AKIGASE, NISIN, NOK, Urawa car dismantling, SHIMADA, INOUE TEKKO, WAKOS, SIEMENS, OZ Racing, MUSASHINODENPA, Central Jidosha Giken, Kasho HANAMI, ASAHI RUBBER, Toyota Rentalease Saitama, WKW, SAITAMA Employers' Association, Saitama Chamber of Commerce and Industry, Saitama Toyopet GREEN BRAVE, Hoden Kaco Center, NHK Spring, NTN, NSK, FCC, Altair Engineering, Solidworks, DUNLOP, Yutaka Giken, Sumitomo Wiring Systems, H one, THK, Otake Works, SAITO PRESS, SHICHIFUKU Metal, XAM Japan, Kyouwa Kougyou, Fuji Seimitsu, igus, HI-LEX, RAC, FIRST MOLDING, KEITECH, Kinokuni PERFORMANCE PRODUCTS, Gruppe M, Fukai MFG



## 35 Gifu University

### ● Members

[CP] Hiroki Sumiya, [FA] Satoshi Kikuchi, [MBR] Ryuta Makita, Hiroto Ito, Shohei Otsubo, Souta Nakabayashi, Keisuke Takamura, Koki Kato, Katuhiko Toda, Ichirei Chi

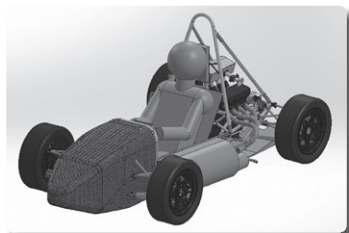
### ● Car Features and Team Aspirations

We have the concept of "Orthodox evolution", we brush up the last year's machine, we made a high performance machine with better quality. We will get the 15th.

### ● Team sponsors

SUZUKI, Gifu Auto Body, Shinba Iron Works, KANEKO GEAR, HIKARI MANUFACTURE, IWATA MFG, TAKAHASHI, PLUS μ, GIFU GEAR, SUGIYAMA, Nabeya Bi-tech, TSUGEPURASESU, HATTORIYOHSETSU, CCI, PACIFIC INDUSTRIAL, AISIN, ASAHI FORGE, enable, Altair

NTN, F.C.C. OETIKER, OKUIBUKI, Daido Die&Mold Steel Solutions, OGUMA, OSCO, makita, Hayanokenko, Katano, Kinokuni, Gifu Plastic, SAWASHO, suzuhiro, Sumitomo Wiring Systems, Sensata Technologies, ZF, SOLIDWORKS, DAIDO KOGYO, DOW, Chubu CKK, DIC Material, T.M.D, TOHNICHI, TRINITY, NABEYA, NISSIN, IKO, NHK, FUKAI, Fukudaseiko, FURUKAWA BATTERY, MARUWA, MITAHORA DRIVING SCHOOL, Y'S CARBONIX, Ishihara Radiator, Southern Dia



## 37 Okayama University

### ● Members

[CP] Yuto Higashide, [FA] Nobuyuki Kawahara, [MBR] Daiki Miyake, Yu Miyasaki, Kohei Miyake, Sota Okumura, Tatsuo Morimoto, Hiroyoshi Suzuki, Kodai Hujieda

### ● Car Features and Team Aspirations

We received a new engine from Kawasaki Heavy Industries from this fiscal year, and it became a vehicle that could realize low cost while improving power than last year. We aim to be ranked 15th overall, and I would like to earn the highest team ever.

### ● Team sponsors

UMC, Okayama International Circuit, KAWASAKI, RAC, IADJ, Gamma Technologies, ant lion, Altair Engineering, IGUSU, ISHIHARA Radiator, AVO/ MoTeC JAPAN, Nihon Seiko, NTN, F-C-C, FC design, OSG, OKAYAMA Science and Technology College, Okudaira Pipe Industrial, OptimumG, Kinokuni Enterprise, CAST, Kyouwa Industrial, Kurasiki Chemical Industry, K-max Speed, KOBELCO, Sannkyou Byoura, Sanpoh Engineering, Sanyo Rejin Industry, JX Energy, Sensei Industry, Sumitomo Wiring Systems, SOLIDWORKS Japan, Daihatsu Industry, TMC, Takeoff, Technoil JaponTohnichi Manufacturing Plant, Tokyo Measuring Instruments Lab, Tohyoh Cork, Toda Racing, Nakashima Propeller, NISSIN Kikai, Nihon Hatsujoh, Hirano, VI-Grade Jaaco, Hukusima Chemical Industry, Hujikkusu, Plus μ, Prot, Prostaf, Marine Froat, Mikuni Industry, MISUMI, Mitsui Shipbuilding, MITSUBISHI Motors, Mitsubishi Hitati Tool, Yasuda Industry, Light Dengyoh, Ridein Okayama, La Strada, RAYS, RockPaint, Worksbell.Faculty of Engineering of Okayama University, Creative Work Center of Okayama University

NO DATA

## 38 Osaka Sangyo University

### ● Members

[CP] Kazeki Yamasaki, [FA] Hiroyuki Ueda, [MBR] Muneaki Okuda, Kazuma Terada, Motoharu Kakuyama, Kazuma Hayashi, Naomasa Kishimoto, Ryuichi Sakinaga, Kazeki Yamasaki, Yuto Okawauchi, Kenta Nakaue, Yusuke Okamoto, Yamato Iguma, Ituki Suehiro, Masaki Sumida, Ryoma Wada, Shingo Takehara, Naoya Watanabe, Yuta Shimada, Naoki Nomura, Takeru Kinugawa, Masaharu Kanemitsu

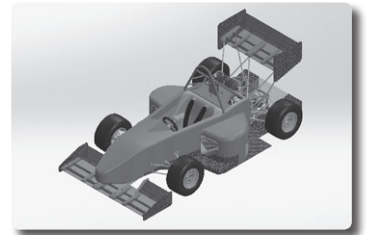
### ● Car Features and Team Aspirations

We aimed and achieved to run the whole distance of all dynamic events last year. However, we couldn't get a good result because of lack of sufficient running tests. This year, we aim to achieve a good result in every event and overall ranking by completing the vehicle early and

brushing up the performance of aerodynamics which we have focused on since last year.

### ● Team sponsors

Osaka Sangyo University, Kawasaki inc., inc. JRC, inc. MORIWAKI ENGINEERING, K2W Precision inc, inc. EXEDY, Co., Ltd. Tani Iron Works, inc. F.C.C., ShinNihon Feather inc., Daito Radiator Industrial Factory, Solid Works Japan inc., inc. MIURA, inc. Ueda, inc. MISUMI, inc. WAKO Chemical, Altair Engineering inc., WEST Racing Cars, MATSUDA inc., Co., Ltd. Plus  $\mu$ , Sports land Ikoma, KYOWA Industry inc., inc. Sunayama Plant, NISSIN Industry inc., inc. toukenthertech, Miwa Plating Industry inc., Sumitomo Denso inc. inc. VI GRADE, Math Works Japan, inc. RS Taichi, FC Design inc., S.Y. Tech Corporation Co. Ltd. NICHIMOLY inc., PROGRESS, inc. VSN, inc. nifco, inc. ARTNER, Southco Japan Limited



## 39 Institute of Technologists

### ● Members

[CP] Toru Kawai, [FA] Kaoru Hara, [MBR] Akitaka Imamura

### ● Car Features and Team Aspirations

As with last year's goal, we aimed to create a machine with an emphasis on turning performance so that we could aim for a complete impression on all items and biting in the skit putt.

### ● Team sponsors

Honda Motor, Kanto Motor College, Fukai Manufacturing, Sumitomo Wiring Systems, Althea Engineering, Sacram, Studio 37, NTN, Kinokuni Enterprise, Okada Motors, Quick Hanyu, Toyota Rental, Ebara Oxygen, Solid Works, Tire Select, F. Shi Shi, Sanei Foundation, Bike Staff Arie, Mono Racing Orbie, Stainless Art, FRP Yamamoto, Nisshin Kogyo, Fusion 360



## 40 Kanazawa Institute of Technology

### ● Members

[CP] Shuntaro Umeda, [FA] Hajime Gontani, [MBR] Hideki Nishikawa, Takahiro Matsusaka, Hiroyuki Sakai, Kouichi Sakano, Takaku Yoshimasa, Naoko Arie, Kenta Kakumoto, Yusuke Hasegawa, Tomohiko Hirose, Ryota Miyake, Kiyohiro Fukuroi, Kouki Abe, Toshiaki Wakabayashi, Shigeki Takabatake, Masaki Endo, Naoki Akabayashi, Fumitake Takaya, Keita Nakahashi, Taichi Nishizumi, Teru Fujiwara, Yuta Kimura, Yuma Yamamoto, Tadaaki Naruki, Kanta Aoki, kota ito, Ryo Kaneko, Taiga Nonaka

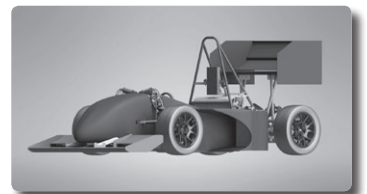
### ● Car Features and Team Aspirations

From our last vehicle, we have reviewed our vehicle's specifications and changed the specific engine RPM for the SFJ courses to fulfill this year'

s team goal "A machine that can be easily handled by a driver". We are aiming 16th place in the overall ranking, and also completing all the events in the SFJ competition.

### ● Team sponsors

Kanazawa Institute of Technology Yumekobo, Ueda, NTN, F.C.C., KYOWA KOGYO, Ishihara Radiator Works, SUZUKI, Sumitomo Wiring Systems, DAIDO KOGYO, TAN-EI-SYA, TAN-EI-SYA WHEEL SUPPLY, TOLAP, BAIKA, MISUMI, Nissin Kogyo, FUKAI, Wako Chemical, Okajima Pipe mill, Fuji Seimitu, NHK SPRING, Kinokuni Enterprise, Marukai Tekkou, Meihou Uniform, TMC, X.A.M Japan, KOMATSU KOKI, PHOENIX CONTACT, WEST RACING CARS, PLUS  $\mu$ , Garage Gon1



## 41 The University of Kitakyushu

### ● Members

[CP] Takahiro Isomoto, [FA] Sadami Yoshiyama, [FA] Hiroki Cho, [MBR]

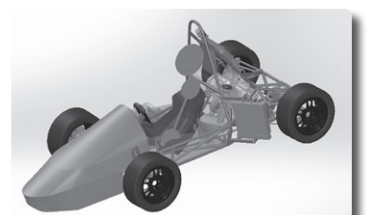
### ● Car Features and Team Aspirations

This season, our team's concept is "The pursuit of speed". We work hard to participate in all dynamic events and finish endurance again.

### ● Team sponsors

Kawasaki Heavy Industries, F.C.C., SolidWorks Japan, SUMITOMO RUBBER INDUSTRIES, Software Cradle, THK, TOYOTA Rent a Car Fukuoka Kyoritsudaimae, WEST RACING CARS, KINOKUNI Enterprise, digitalstage, THE DOW CHEMICAL, KYOWA KOGYO, FUKAI MFG, NTN, K's moto, MISUMI, WAKO CHEMICAL, ENUMA CHAIN MFG, NISSIN KOGYO, OZ Japan, Takata, Ishihara Radiator Works, Altair Engineering, NICOLE RACING JAPAN, Brabio, Sumitomo Wiring Systems, VSN, The Mathworks Inc, Muramasa auto motive, Andou dental clinic, NHK spring Co, ESI Group, Kitakyusyu Foundation for the Advancement of Industry

Science and Technology, The University of Kitakyusyu Faculty of Environmental Engineering, The University of Kitakyusyu Faculty of Environmental Engineering Dept. of Mechanical Systems Engineering, The University of Kitakyusyu Faculty of Environmental Engineering Processing center, The University of Kitakyusyu Alumni Association, Yahata driving school





# Team Information (Members and Sponsors)

## 43 Toyota Technical College Nagoya

### ● Members

[CP] Rui Iwasa, [FA] Tetsuya Hayakawa, [FA] Shiro kaga, [FA] Ryota Tanigawa, [FA] Kenichi Kubota, [FA] Kazunari Takahashi, [FA] Keisuke Yamasaki, [MBR] Ryo Iwasaki, Jiang Yxian, Hikaru Tanigawa, Takahumi Iida, Sinji Kato, Narihiro Yoshida, Naoto Itagaki, Mitsuyoshi Matuda, Makoto Tamai, Ryoya Izumi, Kengo Kimura, Syunya Ishikawa, Tomoya Nakamura, Taichi Tuboi, Junya Fujita, Kaito Saka, Yuki Hoshino, Buruno Suenaga, Takumi Iwasaki

### ● Car Features and Team Aspirations

The vehicle focuses on weight reduction, turning performance, driver's posture. Also, our team try to develop "Twin injector" for making engine torque flat. We will be united in order to finish all dynamic events and

rank our team's best place.

### ● Team sponsors

YAMAHA Motor, SHINMEI KOUGYOU, Vicor Japan, Takagi Seisakujo, NOMURAMACHINE, Okano Electronics, GOODYEAR Japan, SolidWorks Japan, DAD, TACTI, TOYOTA GOSEI, F.C.C, NTN, Kyouwa Kougyou, Watanabe kougyou, Southco japan, AISIN SEIKI, AICHI, Horaisen, Daisen Sangyou, Kyoseikotu College, Dexerials, IWATAFUKUSO, TOYOTA COROLLA AICHI, EV AICHI, FT TECHNO, FUKAI Seisakujo, WHITE HOUSE



## 44 Niigata University

### ● Members

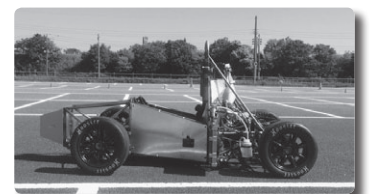
[CP] Risa Iwakata, [FA] Takuji Haneda, [FA] Shuichi Sakamoto, [FA] Akira Tsurumaki, [MBR] Hayato Yabe, Hiroki Suzuki, Tsubasa Honda, Daichi Ikarashi, Yuki obara, Gen Ikarashi, Norito Hashizume, Wakana Nozaki, Hiromichi Higashino, Ryo Mukainakano, Hayato Honda, Taichi Sudo, Rei Sasaki, Taichi Sudo

### ● Car Features and Team Aspirations

The concept of our car, NU-19, is "Shapely&Sporty". We designed the machine to improve the performance of NU-18. We will aim for completing the all events.

### ● Team sponsors

SUZUKI, THK, PMC, Alutea-engineering, NISSIN KOGYO, SUMITOMO RUBBER INDUSTRIES, NTN, WAKO'S, MISUMI, F.C.C., SolidWorks Japan, AVO/MoTeC Japan, OBARA GEAR INDUSTRY, TAKAHASHI Machinery, SHOWA DENKO, KINOKUNI Enterprise, Tec-Nagasawa, Igus, OZ Japan, KIJIMA, Kyowa Kogyo, SUMITOMO DENSO, DAIDO KOGYO, HARDLOCK Industry, FUKAI Seisakujo, NOK, MARUSEN CRAFT, Kobayashi Mfg, Sunright, Shindo, Sakamoto-engineering, St-link, ISIKAWA INK, Nanba Mfg, Sunayama Mfg, Watanabe Kogyo, NSS, KITZ, NIFCO, YUKIWA, Department of Engineering Niigata University Education Center and Creation Workshop, Alumni association of Niigata University, Niigata University department of engineering class reunion



## 45 Kanazawa University

### ● Members

[CP] Sho Tsuzuki, [FA] Hiroshi Enomoto, [FA] Yoshikazu Teraoka, [MBR] Koki Kosugi, Hiroki Shinagawa, Ryo Nakagawa, Yoshikazu Yokoyama, Ryuhei Oiwa, Yuki Sawamoto, Yoshitomo Shimeno, Naoya Higashi, Gaku Shimoyama, Hikaru Nakagawa, Hibiki Sakai, Ikuto Yoshida, Zison Hon, Yoshitaka Haino, Tomoro Takahashi, Souta Tomikubo

### ● Car Features and Team Aspirations

### ● Team sponsors



## 46 Tottori University

### ● Members

[CP] Kei Makabe, [FA] Naoki Kawamura, [FA] Ryuji Muramatsu, [MBR] Yuki Yamashita, Kento Niwa, kamada shunnsuke, Shogo Zushi, Masaki Takenaka, Rin Suzuki, Yuta Ochiai, Makoto Ikenouchi, Shoya Ueda, Toshiki Odan, Iruho Kato, Atsuhiko Honsho, Yusuke Kubota, Akinori Yonemura, Mahiro Yoshii, Yuta Ochiai

### ● Car Features and Team Aspirations

Compared with our last years's machine we reduced over 10kg intend to operate machine easy. At last year's competition we accomplish endurance but we couldn't participate to all dynamic event therefore at this year's competition we try to participate all dynamic event.

### ● Team sponsors

Yamaha Mortor, Hitachi Metals, Innovation Center for Engineering Education Tottori University, Eyestec, CEF, joyful ecology!, MERSFORS, wako-chemical, arto Osaka, Radiance, Than9, RS☆R, NTN, SOLIDWORKS, nissinkogyo, MISUMI, THK, yamanekizai, fukai, NHK Spring, West Racing Cars, F.C.C, INABA DRIVING SCHOOL, heisei, seki monodzukurii lab, monocolle, Kyowa Industrial, BIKE MECHA SERVICE, KOSEI Aluminum, TIRE SHOP T2, Kagawa automobile industry, THE SAND MUSEUM TOTTORI SAND DUNES



## 47 Doshisha University

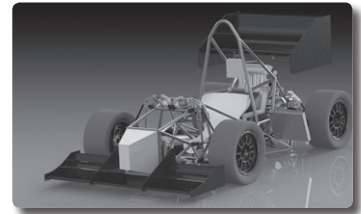
### ● Members

[CP] Imamura Hiroaki, [FA] Obunai Kiyotaka, [MBR] Fukuo Ato, Ugajinn Tomoyasu, Furumoto Syunn, Mizuno Ryou, Yoshida Houma, Okada Kaito, Tkahashi kota, Terada Keigo, Fujimoto Takuma, Minami Riko, Yamamura Kotone, Daimon Masaharu, Matsui Tomoya, Yokomizo Gou, Seguchi Hiroki, Kikui ryuunosuke, Wada Kaoru, Koide Shunn

### ● Car Features and Team Aspirations

This year's vehicles are designed, manufactured and run with the aim of improving dynamic performance. We will do our best with the aim of achieving the "Jump Up Award".

### ● Team sponsors



## 49 Ritsumeikan University

### ● Members

[CP] Kazuki Hashimoto, [FA] Keiko Watanabe, [FA] Ikuhiro Ueshiba, [FA] Hirohisa Inui, [MBR] Haruya Itoi, Koichiro Nishi, Fuma Sugimoto, Kouhei Noguchi, Kaito Sawamoto, Tsuyoshi Yamauchi, Kyouhei Yamaji

### ● Car Features and Team Aspirations

This year's machine based on the last year's. We improved a part and repeated actual driving and advanced setting. We will do our best to achieve within 10th overall.

### ● Team sponsors

Altair, APJ, ATS, AUTO CRAFT, AVO/MoTeC Japan, BEAR inc., CAST, Cradle, GANSAN, Henkel, HI-LEX Corporation, HOPEC, IDAJ, IPG Automotive, MISUMI, MOTUL, NKN, Nifco, NOK, ofa, PLUSμ, SKdesign, Solize Products, SPAL Automotive, TOP LINE, ARAYA,

ISHIHARA radiator, N-M-B, IKANO BLAST, KAWASAKI, Kinokuni, KOBELCO, SANKIN, SANKO inc., JIN, Sumitomo Wiring Systems, SOLIDWORKS Japan, DAIKEN, NISSIN, NICHIRIN, NSK, YAMAZAKI, NOSE Steel material, Bike workshop Iwaki, MATUKIN, HARA SEISAKUSYO, UMEMURA GIKEN, FUKAI, MISUMI, TAKATA, TANIDA, NHK Spring, Heiwa Hatsujo Industry, ACCEL, SANGEN, MIYAKI, CAR KOBO YAMANAKA



## 50 Institut Teknologi Sepuluh Nopember

### ● Members

[CP] Sidik Pramono, [FA] Witantyo, [FA] Atok Setiyawan, [MBR] Ade Djieneka Pratama, Mochammad Hafis Habibi, Hafidh Aldiza Arifin, Andreas Tommy Irawan, Bakdam Khoirul Hamza, Muhammad Saiful Rizal, Muh Indjra Dj, Ilham Maulana Ash Shiddieqy, Azhar Rahmansyah Meinardhi, Iman Azizi, Sapto Wahyu Sudrajat, Andi Kurniawan Firdaus, Vito Hanif Addinuri, Farhan Ula Aditya, Fitri Annisaaulkarimah, Rafidah Farah Dani, Ishlah Muhammad Rahman

### ● Car Features and Team Aspirations

Sapuangan Speed 7 is the 7th generation of ITS Team Sapuangan formula car. By evaluating and optimizing the previous generation, Sapuangan Speed 7 is improved for a better performance. It is designed with more

compact and lighter chassis dimension, thoroughly car's load, improved stability, improved engine's performance, and the existence of display logger data to obtain more accuracy data in the development.

### ● Team sponsors

INDOSPRING, GDL, SURVEYOR, PTPN XI, IKOMA, ADHI, INKA, SUA, PTPN X, BNI, LAKSANA, MPM DISTRIBUTOR, ISTW, IKA ITS



## 51 Setsunan University

### ● Members

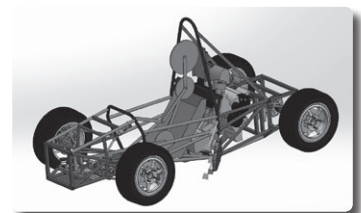
[CP] Matsuka Yuudai, [FA] Masaaki Horie, [FA] Tosiki Kuwata, [FA] Kazuki Simomoto, [FA] Yasuhisa Oda, [MBR] keisuke ogawa, syouta yamanaka, Sora Tuthika, Shingo Mizuno, Terutoshi Nishizawa, Tkuma Kakiuchi, Kyousuke Sugihara, Haruki Sano, Masaki Shikimi, Dai Kondou, Shunya Ichimura, Yeongho Bae, Touma Ikeno, Kei Ithikawa, Hyato Onisi, Itirou Okamoto, Syun uta, Naoya Kitagaki, Yujirou Koduka

### ● Car Features and Team Aspirations

Under the concept of "easiness of driving", last year we achieved weight reduction and improved operability, and achieved a complete run of all items. Therefore, from this fiscal year, we will aim to improve machine performance on the premise that we will complete the entire run.

### ● Team sponsors

SUZUKI, Setsunan University Support Association, VSN, General Engineering, NTN, F.C.C. CO., SOLIDWORKS Japan, Nissin Kogyo Co., DENSO, RECO SUPPORT Co., Toyo Denso Co., Fuji Seimitsu Co., FUKAI Plant, X.A.M JAPAN, Hoei Motors, Komatsuyukinaga Shop, ALCAN hands, PLOT, RAYS, JBM, WAKO CHEMICAL, KINOKUNI Eterprise CO., Altair Engineering, NHK Spring Co, Aneburu



# Team Information (Members and Sponsors)

## 52 College of Science and Technology, Nihon University

### ● Members

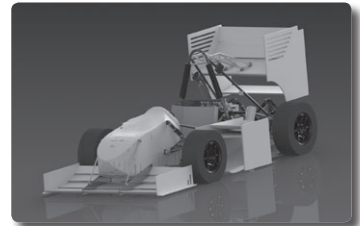
[CP] Fumiaki Ansai, [FA] Michihiko Hoshino, [MBR] Soul Irie, Masaya Okamoto, Ryouga Shimamoto, Taiki Kougo, Masato Ishibashi, Yuta Ishii, Kenta Ominato, Hayato Otsuka, Ryoga Ochiai, Yuji Okamura, Naoya Minowa, Yuta Katayose, Shuma Owada, Kazuki Yuasa, Tomoya Sugawara, Taisei Ugajin, Hikaru Tanaka

### ● Car Features and Team Aspirations

This year's machine NU-CST017, based on the concept of "speedy", worked to improve "turning performance," "acceleration performance," and "response." In addition, we gave things to run fuckin faster by reducing the weight of the car. We will have to get Overall ranking 20th or more and jump up award with the upgraded machine.

### ● Team sponsors

YAMAHA, R Industry MAKI, PCC Distribution JAPAN, KINOKUNI Enterprise, Kohara Gear Industry, SANKYO Radiator, SHIGEMATSU WORKS, JONAN KEY, SUZUKI, SOLIDWORKS JAPAN, TAIYO OIL, TOYODENSO, Nagase ChemteX, Department of Mechanical Engineering, College of Science and Technology, Nihon University, NHK SPRING, FUKAI MFG, PLUS μ, PLOT, NMB Sales, RACING SERVICE Watanebe, WAKO CHEMICAL, F.C.C, NOK, NTT DATE ENGINEERING SYSTEMS, NTN, SEVENTH NIGHT, MISUMI, SUS, KYOWA KOGYO, KOTORA



## 53 Kurume Institute of Technology

### ● Members

[CP] Taiki Miyamoto, [FA] Daisuke Azuma, [FA] Kouichi Kajiyama, [MBR] Yusuke Kumegata, Tuyoshi Okuda, Kiyoshi Tanaka, Keita Takahashi, Keigo Yoshinaga, Takuma Ono, Yuto Yonekura, Takashi Ito, Takahiro Kihara, Hiroyuki Yoko, Junya Sasaki, Irie Bunyo, yuma oba, Ryousuke Hirakawa, Naohiro Kamada, Aoi Imamura, souda motoaki, Shoma Ishii, Masahiro Zen, Shiryunosuke

### ● Car Features and Team Aspirations

### ● Team sponsors



## 54 Shizuoka Professional College Of Automobile Technology

### ● Members

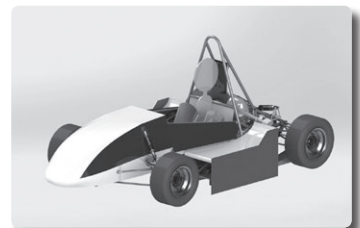
[CP] Takumi Watanabe, [FA] Kazuhiro Ishida, [FA] Hisatsune Mitsui, [MBR] Yuya Shimasa, Haruki Watanabe, Takumi Sugimoto, Akinari Miyamoto, Yusaku Muramatsu, Hiroki Yamada, Shimon Nakatuka, Yuto Koike, Soithiro Watabiki, Kohei Hashigaya, Hirotaka Suzuki, Yousei Nishimura

### ● Car Features and Team Aspirations

It carried out a full model change to achieve the "pursuit of speed" which is a vehicle concept this fiscal year. I changed team management and was working on mechanical development to get a maximum outcome for a little number of people again. I aim at running the whole distance of all events of an earnest wish and acquisition of a jump rise prize by drawing collective strength of a team up.

### ● Team sponsors

Shizuoka engineering department car university supporters association, Suzuki, SolidWorks, EFUTITEKUNO, THK, HKS, St. quarter, presto, NHK Spring, Daytona, F.C.C., KYATARA, the center invention research center and suzuyo, automatic, Tech. service., Shizuoka HINO MOTORS, Nissan Prince Shizuoka sale, Hamamatsu Nissan motor co. Ltd., Shizuoka Toyota Motor, a dunk promotion, Nets Toyota Shizuohama, Shizuoka Komatsu Forklift, Shizuoka Toyopet, Toyota Corolla Shizuoka, Tokai Mitsubishi Motor Sales, Yu foundation, Onodera car industry, HINODE, Toyota Corolla Tokai, Kyowa industry, SAUSUKO Japan and Elegant Sport Azur., Nifco, Fukai plant, a kino tongue and Kusanagi, automatic, service, Suzuki vending machine Hamamatsu, the company which has light metal communication, MY Communications, Tokai car industry, wisteria oil, Shun long distance Mitsubishi Motor Sales, Oyazu Trading, Sir Japan of rockers, Daihatsu Numazu sale, Isuzu Motors central Shizuoka branch and Shizuoka Subaru car, Honda Cars Shizuoka west and Honda Cars Hamamatsu., Honda Cars The Ito south and Honda Cars Fujie Higashi and Honda Cars Suruga and Honda Cars Shimada west and Honda Cars The Fuji east and Fuji, precisely, Toyota part Shizuoka tomohan and Sakai Ovex., Hazel leaf ironworks, NTN and Kyowa industrial corporation, Naoya Suzuki



## 55 Sebelas Maret University

### ● Members

[CP] Ardhan Prasetyo Nugroho, [FA] Ubaidillah, [FA] Agung Tri Wijayanta, [MBR] Benedicta Amadea Karina Dewi, Anis Tri Hayati, Dzaky Roja Pratama, Misbah Alfi Yusrian, Bernardus Plasenta Previo Caesar, Bakasrian Fericoari, Dinda Clara Sabella, Ma'ruf Yanuar Effendi, Ilham Fadhillah Utama, Alif Sholihin, Mohammad Khoirul Huda, Faiz Haidar Ahmad Alwan, Hanif Setya Hanandita, Paigunadi Sastra, Kristophorus Satya Erlangga Yeriantoro, Hashfi Hazimi

### ● Car Features and Team Aspirations

More downforce on airfoil and control the flow to be less disadvantages, lighter body, more ergonomic seat to make driver's view perpendicular with head restrain, better optimization of A-Arm to degrease weight, less

clearance on steering, less bumpsteer, lighter chassis with reducing the weld joint, improved design on plenum to minimalized disadvantages of the air flow, improved exhaust system, and LSD placed at the center to distribute the same mass

### ● Team sponsors

Bies, Trelleborg, Akebono, ISTW, Prorock, ADD Suspension, Ord Exhaust, Garage 57, Hoosier, Solidwork, Trelleborg, Keizer, Ristekdikiti, Drivetech





## 56 The University of Tokyo

### ● Members

[CP] Ryo Koike, [FA] Kohei Kusaka, [MBR] Toshiki Maeda, Asahi Ueda, Daichi Okazaki, Yoshihito Murakami, Soki Shigemori, Ryo Matsumoto, Yutaro Kofuji, Shungo Azuma, Shinsei Yoshikiyo, Takehiro Kitahara, Shuta Irako, Shimon Honda, Naoki Imai, Akira Ebihara, Kei Inoue, Shoichi Ui, Yuto Yokoyama, Masashi Kamata, Yoshiki Yumoto, Masataka Watanabe, Taiga Matsuoka, Yuki Hosomi, Yu Suzuki, Ryo Shimizu

### ● Car Features and Team Aspirations

With our unique car featuring eCVT, De Dion axle and turbo-charger, we aim to finish the whole dynamic events.

### ● Team sponsors

SUZUKI, Mitokogyo, AVO/MoTeC Japan, NTN, Autodesk, OZ, Kanto Industrial College, KINOKUNI Enterprise, Quick Hanyu, Kotori, Komatsu, Southco Japan, SANKYO RADIATOR, Sumitomo Wiring Systems, Sodakogyo, Dupont Styro, TEIN, DENSO, TOKO, Nissin Kogyo, The University of Tokyo, Institute of Industrial Science, Materials Forming and Processing Lab, Fujikura, Houkoku Gakuen High School, MISUMI Group, Works Bell

NO DATA

## 57 Kyushu University

### ● Members

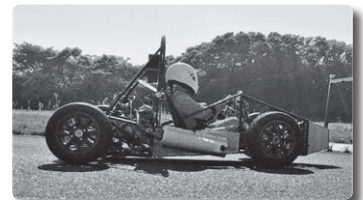
[CP] Hayato Wachi, [FA] Osamu Morieue, [FA] Tatsuya Kawara, [MBR] yoshimoto atsuki, Mirai Tsukamoto, Reona Muto, ookawa yuudai, Masashi Ikemi, Kengo Murakami, Kentaro Kitabatake, Takato Kataoka

### ● Car Features and Team Aspirations

Carburetor Finish all event for the first time

### ● Team sponsors

ASAHI KASEI CONSTRUCTION MATERIALS, ADVICS, Altair, igus, WEST RACING CARS, F.C.C., KYO-EI, KYOWA, KEIHIN, KENCHIKUMANIA, KOTORI, KHK, SHIGEMATSU WORKS, SUMITOMO RUBBER INDUSTRIES, Sumitomo Wiring Systems, SOLIDWORKS Japan, MOTUL, DENSO, NICOLE, NISSIN, NSK, NHK SPRING, FUKAI, HONDA, MISUMI, MOBITEC, YOSHIDA SANSO, La Strada, ATA! Design, D-GARAGE, FRP-KOUDA, INTREPID JAPAN, NOK, NTN, THK, UACJ, WORKS BELL



## 58 Gunma University

### ● Members

[CP] Inomi Isobe, [FA] Tsuneaki Ishima, [MBR] Takumi Hara, Yusuke Oba, Masato Takechi, Takuya Enomoto

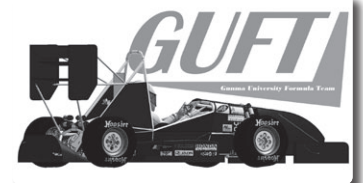
### ● Car Features and Team Aspirations

Our team has produced a vehicle based on three design guidelines: high turning performance, high reliability, and ease of driving. This year, the team's second year, will receive a jump-up award at the tournament.

### ● Team sponsors

YAMADA MANUFACTURING, Honda Motor, Mitachi Applied Chemical Work, Shoda Creative, Yajima Industry, Kuramae Industry, SCT, OGURA CLUTCH, MITSUBA, Meister Shop TGS, Shoda Manufacturing, Yagi Industries, Jaos, Wing, Toa Industries, NTN, NISSIN KOGYO, TMC, Corolla Takasaki, Quick Hanyu, KATO TEKKO, Solidworks Japan, H-One, Kobayashi, Auto Service Creative, Smile Cars, Takasaki Municipal High School Of Takasaki City University

OF Economics, Himitsukiti, Inter Zone, Kinokuni, INDUS VALLEY, TOA Racing



## 59 Hiroshima Institute of Technology

### ● Members

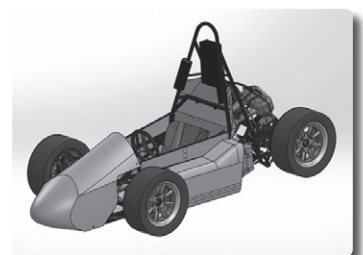
[CP] Shota Hiroi, [FA] Hisanori Nakane, [FA] Kenji Yoshida, [MBR] Masakazu Hirota, nagano tokio, Umayahara Fuki, Takuya Ono, Masakazu Kondo, Kaede Ochikubo, Tsukishita Yuki, nariai takahiro, Arata Funo, Misaki Yuzuki, Daisuke Imaura, Kishi Yuuki, Ryuichi Iwata, Kazuma semikawa

### ● Car Features and Team Aspirations

This year's vehicle was designed with a focus on skid pads as in the previous year. In addition, in order to achieve the complete event of all items, we have conducted driving tests more than last year. The team will be united in this year to achieve a complete run of all events!

### ● Team sponsors

Hiroshima Institute of Technology, igus, FC Design, UE KANAMONO, NTN, Kawasaki Heavy Industries, Sportsland TAMADA, SOLIDWORKS Japan, MISUMI, VSN, YAMABIKO, ABEBE dining room



# Team Information (Members and Sponsors)

## 61 Kindai University

### ● Members

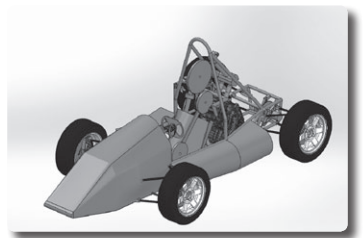
[CP] Nakahara Souta, [FA] Kajiwara Shinji, [MBR] Motoki Takebe, Hiiro Watanabe, Taichi Fukumoto, Kodai Fukuda, Rin Monna, Yuto Fukuda, Kengo Nakajima, Rui Kanagawa, Kouki Maruoka, Tatsuya Takimoto, Ryoga Nagahashi, Kosei Otsuka

### ● Car Features and Team Aspirations

In this fiscal year's vehicle, we set the vehicle concept as "return to the origin of the vehicle" and worked to improve basic performance. By this, we aim for smooth examination passing and completing the all race in this fiscal year

### ● Team sponsors

F.C.C, NTN, SUS, VSN, Ishizue, Kawasaki Heavy Industries, KINOKUNI Enterpride, Kondo Kagaku, SAKAMOTO KOUZAI, Sunagawa Manufacturing plant, Sumitomo Wiring Systems, Sekiguchi Cars, SolidWorks Japan, Daito Corporation, Daito Radiator, Ultraprecision Daimei, Toyo Denso, NISSIN, nifco, nippori, FUKAI, Misumi, MIYAKE INDUSTRIAL, meihan sports land, WAKOS



## 62 University of Toyama

### ● Members

[CP] Mitsumasa Teramoto, [FA] Tetsuo Aida, [MBR] Tatsuya Kamigishi, Ryota Tamura, Yudai Uetabira, Yuya Okada, Sora Noguchi, Soi Ominato, Kaba Koudai, Sako Taishi, Tetsuya Higashino, Yasuharu Hobo, Taisaku Ohkubo, Hiroshi Kita, Shintaro Hosaka, Naoya Sugiyama, Asushi Yamazaki, Yusuke Kawahara, Tatsuki Kubo, Ryota Tsuchida

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

## 63 Osaka Prefecture University

### ● Members

[CP] Masanao Fujimoto, [FA] Daisuke Segawa, [FA] Hidefumi Kataoka, [MBR] Kosei Hatanaka, Yuto Nagao, Takuya Yamaguchi, Une Naoto, Kyosuke Urabe, Miki Kikuchi, Atsuya Suzuki, Yosuke Hakamata

### ● Car Features and Team Aspirations

OPUF was founded in 2017 at Osaka Prefecture University. Our plan is to pass technical inspection and compete in all dynamic events. We would like to thank all of our sponsors for their support in the pursuit of the spirit of SAE.

### ● Team sponsors

Kawasaki Heavy Industries, MITSUBOSHI, Shinryo Manufacturing, Tanaka Stainless, Sumiyoshi Kokan, TAMAX, SODA, EXEDY, WELDTOL, FCC, SOLIDWORKS Japan, MathWorks, Software Cradle, VI-grade, Altair, NTN, NISSIN, NHK SPRING, MUTO KOGYO, KYOWA KOGYO, NMB, Fuji Seimitsu, TAKATA, Dow Chemical, West Racingcars, Sumitomo Wiring Systems, PLOT, FUKAI, KONISHI, XAM Japan, OZ Japan, AVON TYRES, MISUMI, igus, PLUS-MYU, Cheerio



## 65 Meisei University

### ● Members

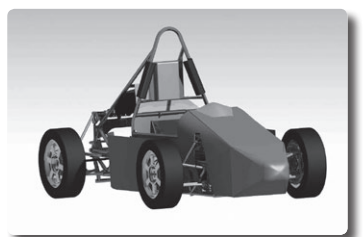
[CP] Sakura Koyamatu, [FA] Takahito Kawahara, [MBR] Tomoki Negishi

### ● Car Features and Team Aspirations

Our goal is to complete the all dynamic events. A feature of our vehicle is the transverse mono-shock suspension system mounted on both front and rear. This system controls bouncing and rolling separately. Also it realizes reductions about the number of parts and the vehicle weight. We have run a Yamaha MT-07's engine (two cylinders) since the last event year.

### ● Team sponsors

Altechno, igus, West Racing Cars, Okamuraire, Kojimaseisakujo, Sakanishi Seiki, Sasakikogyo, G tech, SUS, Dassault Systemes, DriverstandFuchu2rinkan, Fukai MFG, Blenny Giken, Yamaha Motor, F.C.C., NTN, RAC, RAYZ, VSN, YOKOHAMA, Meisei University Ikuseikai, Meisei University Alumni Association, Meisei University School of Science and Engineering Program in Mechanical Engineering



## 66 Kogakuin University

### ● Members

**CP** Tomoya Miyata, **FA** Takashi Yamamoto, **FA** Takashi Saika, **MBR** Shunya Ouchi, Aoi Kawamata, Yuta Hayakawa, nojiri hikaru, Shun Kashiwaya, Ryusuke Kimura, Abe Subaru, Hibiki Ono, Aoi Shimizu, Kazuya Tsurumi, Nanami Inoue, Hiroto Uchiyama, Fukayama Kaoru, Riku Saito, Yuki Sato, Hiroshi Omata, Chishun Tsuji, Ryohei Shimamura, Kazuki Yanashima, Akito Goto, Ryouta Kitamura, Daiki Saito, Natsuki Moriizumi, Hayato Hukuda, Megumi Ogasawara, Kenichi Takahama, Takeru Hukuda

### ● Car Features and Team Aspirations

As there are many people who experience the student formula for the first time, they often struggle in design and production, and have learned many mistakes before completing the vehicle.

Based on that experience, we aim to be the team goal 11th overall in the tournament.

### ● Team sponsors

Honda, SUBARU, suri-pi-kusu, igarasiPliers, Kenko Manufacturing plant, Kodera Manufacturing plant, Matui, Matsui Precision Industries, MarutoHasegawaWork shop, SusaManufacturing plant, ToppulIndustrial, HKS, KYOWA ELECTRONIC INSTRUMENTS, Sumitomo Wiring Systems, LANDMARK Technology, Hurutou Industrial, Misumi, Information Services International-Dentsu, Fukai Manufacturing plant, Kyouwa Industrial, Bushu Industrial, HI-LEX CORPORATION, FOMO JAPAN, SAKANISHI SEIKI, SUZUEI, IDAJ, Ishikawa Industrial, Sankyo Radiator, KIZIMA, NOK, KITAKO, MINORU International, KEHIN, ENUMA CHAIN MFG, Sasaki Industria, X.A.M Japan, KANE, TOKYO R&D, CAST, JSP, DICMaterial, NISSIN RESIN, ANA Tech, SEKISUI PLASTICS, INSPIRAID, VI-grade Japan, Ohya Chemical industry, Nabeya Bi-tech, THK, NTN, eneble, DIXCEL, Nippei machine, PLOT, NHK Spring, Esuterinku, ATS, Nojama Engineering, Nicole Racing Japan, Nikken Manufacturing plant



## 67 Sojo University

### ● Members

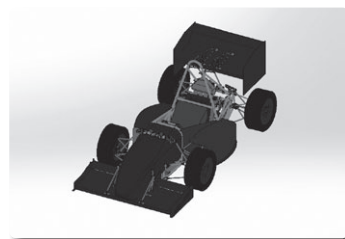
**CP** Takahashi shinnosuke, **FA** ikuta yukinori, **MBR** Hiroto Nakayama, Takeya Inoue, Hikaru Tsunoda, Shinnosuke Azuma, Mitsutoyo Iwamoto, Shikou Tai, Gen Yamamoto, Hiroki Tanaka, Katsuki Umeda

### ● Car Features and Team Aspirations

The concept of this fiscal year's vehicle was "Improvement of Acceleration Performance and Reliability", to reduce weight and improve rigidity ratio. We will improve the problem of the last fiscal year, aim for the complete finish of all events and upper prize.

### ● Team sponsors

Honda Engineering Industry, Ikimatsu Machine Works, Solid Works Japan, VSN, Kyowa Industry, FCC, NTN, Fuji Light Metal, Tobata Machine Works, Times Car rental, Kumamoto Ai Be Products, Honda Techno Fort, Fukai Works, General engineering, Kinokuni Enterprise, Cybernet System, Nissin Industry, Ishihara Radiator Industry Co., Sumitomo Electric Works, Misumi, West Racing Cars



## 68 Chiba Institute of Technology

### ● Members

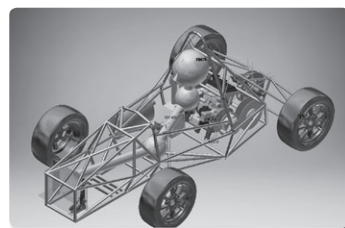
**CP** Norihisa Wada, **FA** Shigeru Murakoshi, **MBR** Masayuki Nakayama, Tomorrow Yazawa, Ryota Kezuka, Mamoru Wada, Akihide Suga, Syugo Nakakuki, Kenta Kuriyama, Takahiro Ando, Ryota Shinomoto, Yudai Uesugi, Honoka Atsuchi, Yuma Takai, Tatsuya Kaito, Yuki Tsutsui, Naoki Katagiri, Hiroki Sagawa, Yuki Nishimura, Takahiro Okano, Kyotaro Sakamoto, Yuta Takahashi, Takayuki Goto

### ● Car Features and Team Aspirations

Our team has listed "an unlimited challenge" as an activity goal from the start of the team. This shows that we are constantly developing our strength based on our experience. In this fiscal year, we will strive to achieve the goal of all the races, which is a longing for the team.

### ● Team sponsors

Yamaha Motor, Yatsu Corporation, Keiyo Bend, Saito Press, NTN, TET'S RV CENTER, VSN, FSC, PCC, Fukai Manufacturing Co., Ltd., Rokusai Radiator Industrial Center, RAC, Nozawa Honda, Sumitomo Wiring Systems, Cotra, JATCO, Jatco Engineering, Software Cradle, Nisshin Kogyo, Althea Engineering, General Engineering, Tanigawa Kogyo, ASICS Japan, Autoland Techno, Nabeya BI-TECH, Kinokuni Enterprise, Tozawa Kogyo, AUTOBACS SEVEN, Totech Amenity, Sowa Engineering, Fuji Precision, Autodesk, Chiba Institute of Technology, Chiba Institute of Technology Work Center, Chiba Institute of Technology Entrance Examination and Public Relations Division



## 69 Hiroshima University

### ● Members

**CP** Yutaka Yamamoto, **FA** Nishida Keiya, **FA** Hiroshi Hamasaki, **FA** Shinichi Namba, **FA** Kouichi Hatamura, **MBR**

### ● Car Features and Team Aspirations

### ● Team sponsors





# Team Information (Members and Sponsors)

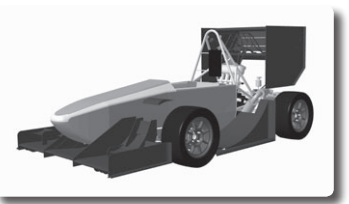
## 70 Hanyang University

### ● Members

[CP] JINHO KIM, [FA] GiHyeong Lee, [MBR] HUIGEON KONG, YENA CHOI, DAEHYEON KIM, HYUNJUNG CHOI, YEONJAE KOH, SERYEON SIM, CHANILL LEE, HYEONJU GWAK, SANGJUN JANG, HYESOO KIM, SUNGTAK HONG, JUNGHYUN RYU, EUNJI KIM, WONJUN KIM, DONGHYUN KIM, YELIN JO, SEUNGMIN RYU, JEWHI YEON, SANGSEOK BAE, MINGI JANG, YUSIN JEONG, HUIRAK LEE, GIDO KIM, JIWON PARK, SUNGYEON JU, HYEONSEONG YOU, HAHEON SONG, JEONGJAE LEE, SHINJAE LEE, GISUN CHOI, KEUNHYUNG PARK, GAYOUNG KIM, HEEEUN KANG, CHANYOUNG JO, WOJIN SHIN

### ● Car Features and Team Aspirations

Drive Together for Future, baqu4! As "future thinkers", the final destination of baqu4 is to be the future of the engineering industry. By "well-grounded engineering", RBF-19 will be the Revolution of baqu4 Formula. Each part was completed with a systematic organizational structure. With our cooperation and technology, we will be the "incredible rising star" of FSAE!



### ● Team sponsors

Myunghwa Co., Ltd., ENCOD Lab., Nord-Lock Korea Co., Ltd., BorgWarner Inc., Korea R&D Co., Ltd., KEUNYUNG Industrial, LTD., Keyang Electric Machinery Co., Ltd., MDL Lab., CHAMP Lab., Hanyang ERICA LINC+, DM motors, Race Spec., Aurora Bearing, Altair Engineering, Inc., ANSYS, Inc., RecurDyn, MoTeC Pty Ltd., Ferodo®, PETRONAS

## 73 National Chiao Tung University

### ● Members

[CP] SHAO-YU,WANG, [FA] CHING-YAO,CHEN, [MBR] YU-CHENG, WANG, TA-YU, HUANG, ZHENG-XUN, LIU, SHIH-JUI, CHIU, Wei-Han, Lee, YI-TING, KE, Ying-Ming, Su, REN-JIE, PAN, LUN-LIANG, LIN, YI-YEN, LIU, XIN-YU, HUANG, PEI-WEN, YEH

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

## 74 Kookmin University

### ● Members

[CP] Seo Ju Hyun, [FA] Park Jae Kwan, [MBR] Jinmyoung Kim, Seo DongHwa, Kwon YoungBin, Moon JeongAn, Seo DaYeon, Lee MinCheol, Lim JongMin, Jang MinSeok, Jeon ChangWook, Lee GangJin, Oh YunJai, Park Sunghoon, Kyu Min Chung

### ● Car Features and Team Aspirations

Based on data accumulated for 16 years, KOOKMIN RACING designed to bring driver's driving skill and vehicle performance in harmony, Considering these goals and characteristics of the FSAE competition, we tried to make vehicles more agile. In this 2019, we will challenge the semi-monocoque for the first time through the monocoque. we try to make harder and light-weight body.

### ● Team sponsors

HANKOOK CARBON, GSAEK, ANSYS, JUNBL, DENT DOCTOR, REALIZE INC, RICARDO, KIAPI, FMK KOREA, MOONHWA TITAN ART, SHELL KOREA, WENS CORNING, INNOSIMULATION, JACKSON SPEEDWAY, ETAS, JEIS, SOLIDWORKS, UNMANNED SOLUTION, KUL, KARTLAND



## 75 Harbin Institute of Technology at Weihai

### ● Members

[CP] Qinchao Liu, [FA] Jianfeng Wang, [MBR]

### ● Car Features and Team Aspirations

HRT was established in November 2009, and it is one of the national teams to participate in the first event of FSC. Based on domestic but look international, and four stations in FSAEJ and one in FSG showing the world Chinese FSAE style. Besides HRT is also the pioneer of the monocoque, suspension.

### ● Team sponsors

Gloway, SNBC, Senata Technologies, igus, Changlu, Tuoyu, ANSYS, Jinan Titan Titanium Products Company, Arrowy Racing, IPG, Continental, Aecospace Mitsubishi, CTG



## 76 National Taipei University of Technology

### ● Members

[CP] LI-WEI, LI, [FA] Chih-Keng Chen, [MBR] Yu-Yu Cheng, Cheng-Yang Liu, Po-Yuan Cheng, Zong-Xuan Wu, Deng-Hong Lee, I-Shen Ho, Po-Hsuan Chen, Yuan-Xu Peng, Li-Hsin Chen, Yu-Han Hsiao, Pai-Chen Chen, Cheng-Yu Chang, Bing-Bing Shiu, Wei Huang, Fan-Ju Liao, Ting Tong, Po-Cheng Chang, Tzu-Yi Chuang, Che-Yu Lin, Li-Huan Hsu, Szu-Chi Huang, Shih-Hao Wu, Jing-Chih Huang, I-Cheng Lu, Li-Hng Tan, Ssu-Sheng Tsai, Yang-Chu Hong, Tzu-Hao Su, Cheng-Shian Yang, Chien-Chun Lai

### ● Car Features and Team Aspirations

This year we set up a two-year plan. We manufacture two cars. One is TTR4 ICV, The other is TTR4 EV in this year JSAE. In TTR4 ICV, We

tried manufacturing machines aiming for ultimate durability that we couldn't achieve last year. We are aiming for more than 20th overall as a whole more than last year!

### ● Team sponsors

KCMG, Sanyang, Mouser Electronics, Motul, t-global, Hotaimotor, Formosa Taffeta, Epolab Chemical Industries, Unilli, Yamaha, RES, WHETRON, NSK, ASAZAWA INDUSTRIAL, Triple S, Racingbros, Fit Shox, RockShox, FCC, AXALTA, RAEMCO, Chroma, trionco, IGUS, KYT, Golden Bloom, FOUNDER LAND, CHELIC, Yohshang Precision Machinery, BOSCH, GARMIN, KOSO, zircotec, Bender, Sensata, Solidworks, Cybernet



## 77 Mie University

### ● Members

[CP] Ryusei Sakaguti, [FA] Ryouzyun Ikeura, [MBR]

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

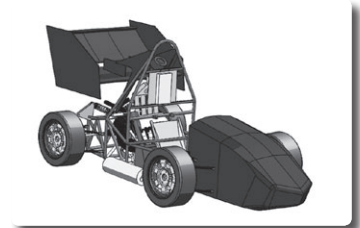
## 79 Tokyo Metropolitan University

### ● Members

[CP] Yutaka Washizuka, [FA] Gen Tamaoki, [FA] Takuya Yoshimura, [FA] Satoshi Kobayashi, [FA] Takahiro Matsueda, [MBR] Ryosuke Yumoto, Fuuchi Matsushita, Yu Zusho, Keigo Iwamoto, Shundai Deguchi, Akari Misawa, Kota Mochigi, Ryo Kumata, Kaido Kuze, Kana Inoue, Itsuki Onda

### ● Car Features and Team Aspirations

### ● Team sponsors



## 80 Hoseo University

### ● Members

[CP] MinseoCHA, [FA] Yeung woo kim, [MBR] Changkyu Lee, Lee Sang Jin, Ilung NA, kwontae Jeong, Yeongmin KIM, minji Sung, Youngsik OH, TaeHyun Kim, Hyun Woo Lim, gim wantae, Su Bin Kim, Duil Park, Sung ho Choi, Dong Hwan Lee

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

# Team Information (Members and Sponsors)

## E1 Nagoya University

### ● Members

[CP] Yoshihiro Toyoshima, [FA] Tatsuya Suzuki, [MBR] Kaito Nakao, Taiki Yasuda, Shunnosuke Ozawa, Ryota Takemura, Wataru Sawada, Shota Ikeguchi, Soga Tsuyoshi, Naoki Ueno, Naoki Kosugi, Sato Takashige, Tsuyoshi Kato, Yuta Ito, Atsuno Tsuji, Sadayuki Koji, Kaito Ogawa, Yumi Tsukamoto, Yuya Takeuchi, Yuka Maeda, Ryuga Nishida, Takumi Akao, Kaito Fujii, Naoki Sakata, Haruhito Iriyama, Ren Takagaki, Aya Matsumura, Morita Saki, Kentaro Onishi, Sawada Yusuke, Ichikawa Yuki, Yamamoto Yusuke, Yoshikawa Yudai, Hiroki Kadokami, Yusuke Tamaki, Yuya Otake, Haruki Sugimoto, Nanako Hattori, Nohara Tomoki, Haruki Inomata, Kadowaki Yugo

### ● Car Features and Team Aspirations

We changed the power unit according to the four-year plan and developed the 4WD vehicle "FEM-16". By developing four-wheel independent control system, we aim for first place in Acc, Skid, AutoX and also for the first overall win in EV history.

### ● Team sponsors

IME, AISIN AW, AISIN Seiki, IPG Automotive, ARRK, ACTIVE, Asahi Kasei Construction Materials, ADVICS, ANSYS Japan, Asahi Chiyoda Kogyo, ANEST Iwata, igus, ISHINO Circuit, ISOWA, Iwakura Welding Industry, AMK, Aiw Engineering, SS Mold, NTN, O.Z.Japan, Oyama Engineering, Okajima Pipe, KAI-U Patent Law Firm, Gamagori Industry, Kitagawa Industries, Gilu Gear, CAST, CALIO, Kyosei Kotsu Daigaku, Kyowa Industrial, KYOWA ELECTRONIC INSTRUMENTS, KURE Engineering, Koken, KOTA CIRCUIT YRP KIRIYAMA, Kobe Steel, ZEAL by TS-SUGIYAMA, CCI, SHORAI Japan, SWING, Sumitomo Wiring Systems, ThreeBond, ZF Japan, Sensata Technologies Japan, SolidWorks Japan, DAI-ICHI SOKUHAN WORKS, DIVES Interplanet, TAIHO TECHNO Solutions, DENSO, TOHNIKI Manufacturing, TOPLINE Products, TOYOTA CUSTOMIZING & DEVELOPMENT, NAKAZAWA Foundry, NISSAN, NISSIN Kogyo, NITTO KOGYO, J.S.T.MFG, Vi-grade Japan, Nippon Light Metal, NIHON KENSHI, JEMA, IKO, NIHON PARKERIZING, NHK SPRING, NEXT, HI-LEX, Hibi Seiki, HIROSE ELECTRIC, Fujikin, Fuji Seimitsu, Fujita Rashi, Fujimoto Service, BRIDE, Furuto Industrial, Brave Auto, PROTECTA, PROTRAD, Henkel Japan, BOEING, Polyplastics, Hongkong Mingda Industrial, HONDA SHIROSHI LAWYER OFFICE, WHITE HOUSE, Makita, Matworks, MARUBENI INFORMATION SYSTEMS, Maruwa Kikai, MISUMI, Minoru International, MUTOH INDUSTRIES, MEIDOH, Mentor Graphics Japan, YAZAKI, Yamashita Seisakusyo, YAMAHA MOTOR POWERED PRODUCTS, UNICRAFT, RAMPP Group Japan, Roland DG, resonac Japan, WorldWalk, Okudaya Gikan, TOYOTA MOTOR NAGOYA Univ. ALUMNI ASSOCIATION, DENSO NAGOYA Univ. ALUMNI ASSOCIATION, AISIN AW NAGOYA Univ. ALUMNI ASSOCIATION, TOYOTA CENTRAL R&D LABS, TOYOTA BOSHOKU NAGOYA Univ. ALUMNI ASSOCIATION



## E2 Tongji University

### ● Members

[CP] Yu Yongshang, [FA] Zhang Tong, [FA] Song Ke, [MBR] Yu Yongshang, Gong Yuqi, Guo Zixin, Cai Zhen, Chan Houcheong, Chen Zhe, Hu Yulun, Huang Wenhao, Kang Xin, Li Yuanyuan, Li Yueling, Li Ziwen, Liu Dayu, Liu Fan, Peng Yiming, Qiao Hanping, Wang Jiajun, Wang Shiwen, Wang Wei, Wang Xiuse, Gu Mingkang, Xiang Yue, Yang Shixuan, Yu Shibo, Zhang Bo, Zhang Lu, Zhao Xiaolong, Zhou Xiao, Zhou Xingyu, Wang Xukang, Xu Linfeng

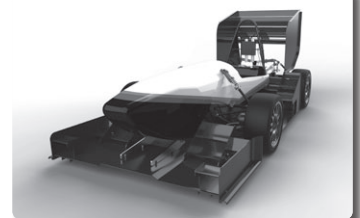
### ● Car Features and Team Aspirations

DRe19 is our third 4WD car with full monocoque. We are equipped with aero package, as well as carbon suspension. And for torque vectoring, traction control, we developed our own algorithm to improve the

performance of DRe19. DIAN Racing is a passionate Formula Student Electric team from Tongji University. Established in March 2013, the consists of 100 members.

### ● Team sponsors

VW China, SINOCEM, MEGLEC, Chroma, MEKO PROTOTYPING, SCHAEFFLER, Huahai Technologies, LEMO, Evonik China, MOUSER



## E3 Toyohashi University of Technology

### ● Members

[CP] Yamahata Takumi, [FA] Yanada Hideki, [FA] Toshiaki Yasui, [FA] Tatsuhiko Sakaguchi, [FA] Naohiro Hozumi, [MBR] Takahisa Sasayama, Shogo Chiba, Masashi Masuda, Yuto Mochizuki, Souchirou Moriyama, Yuta Ueda, Kento Kimura, Tatsunari Miyama, Yoshihiro Yato, Nagamasa Kametani, Tasuku Miki, Ryosei Tanaka, Mitsuharu Hattori, Yuto Hayakawa, Seiya Ishizuka, Taichi Kimura, Hiroki Sato, Toshiaki Hukuhara, Hibiki Yashiro, Boldbaatar Batbaatar, Yuri Ogura, Yuudai Kataura, Shoma Tanaka, Chikara Tsuchimoto, Chikara Takeuchi, Keita Tsukamoto, Koshiro Baba, Masao Kikuike, Kouei Miyata, Ryo Ehara, Takeaki Nakamura, Hidemine Fujii, Yuuki Nakata, Hidenori Toyoshima, Kousei Uno, Takato Nishigami, Gakuto Nishizima, Gen Ishikawa

### ● Car Features and Team Aspirations

For this year, we set our goal "Dynamic events 500points×10th overall". We will aim higher goal

under the concept of "Light Weight Evolution".

### ● Team sponsors

Musashi Seimitsu Industry, Mitsubishi Chemical, Pacific Engineering, MEIDOH, CDS, AICELLO CHEMICAL, CAR MATE MFG., Asahi Metals, ROHM Hamamatsu, OHBA SEIKEN, Onozuka Seiki, ENDO SCIENTIFIC INSTRUMENT, Hanada Koumuten, Edec Linsey System, ATSUMI MOTORS, Asahi-Seiki Manufacturing, AKEBONO MANUFACTURING, HOEI KOGYO, Tsugepurasesu, NEXT, Sika, TAKAGI KIGATA, Tamatsaura Kigata Seisakusyo, Kito Kigata Seisakusyo, Daido Die&Mold Steel Solutions, JAPAN INSULATION, ENJUMA CHAIN MFG., NTN, SAIMA, NIPPON POP RIVETS AND FASTENERS, NHK SPRING, igus, F.C.C., OSG, Mitsubishi Materials, WAKO CHEMICAL, ANZEN MOTOR CAR, AUTOBACS SEVEN, Sumitomo Wiring Systems, HIROSE ELECTRIC, Eilthion, SOLIDWORKS Japan, CYBERNET SYSTEMS, Vi-grade Japan, SMART MANUFACTURING TECHNOLOGY JAPAN, OKINAYA, TOPY INDUSTRIES, Garage Takahashi, MISUMI Group, Works Bell, KINOKUNI Enterprise, PLOT, SHORAI JAPAN, MinebeaMitsumi, SUNRISE, SHOWA AIRCRAFT INDUSTRY, Sensata Technologies, PROTRAD, HPC SYSTEMS, Rent, WHITEHOUSE, Okamoto Industries, Kyosei Kotsu Daigaku, Daytona, IME, ISK Hamanako, MIRAI, Akira Nemoto, Toshiaki Nakanishi, Katsumi Nakamura, Shinya Hatauchi, Hiroyuki Hotta, Koichi Akiyama, Hirokazu Takano, Kenta Tanaka, Masaki Takamizawa, Kazuhiro Tanaka, Naoto Izumi



## E4 National Tsing Hua University

### ● Members

[CP] TZU-CHING, CHEN, [FA] Lin, Chao-An, [MBR] KAO, CHU-YU, HSIEH, TSUNG-YEH, WANG, YAO-WEI, CHIU, CHING-YU, TANG, YU-JU, CHEN, FANG I, WU, JIE-YING, WENG, CHI-YU, KUO, PEI-YU, WU, NIAN-JE, CHEN, YU-TING, HAN, LE, CHEN, YU-AN, SHIH, I-LUN, TUNG, WEI-TING, POE, WILLIAMS, HUANG, CHIH YEN, LIU, SHAN-JU, CHAO, GUI-SHENG, LIN, TING-WEI, WU, JUI-HO, HSIEH, SHENG-HAN, FAN, CHI-CHUN, CHEN, ZUO-REN, LI, HAO-CHE, CHEN, SHAO-RONG, KAO, WEI-TUNG, CHENG, HSIANG-RU, WU, DA-SHAN

### ● Car Features and Team Aspirations

This year is our fourth participation of JSAE competition. Rather than making 2 cars

(EV & ICV) in one time as last year, we decided to focus on EV only this year. To improve the previous car (TH03), we change the location and the number of accumulator, raise the voltage, self-design new mechanism of suspension, and remove redundant part to keep this car (TH04) simple and robust.

### ● Team sponsors

Adata, Argosy, KYMCO Inc, SINBON, Syntec, E-CALL, Quanta, Delta Electronics, Inc., TITC, Racingbro, TAIWAI LTD., FCC, Wei&Cut Co., LTD, T&K ENTERPRISE CO., LTD, FOUNDER LAND., WAHLEE., CFPHD, ENERGIUM, CHROMA ATE INC., Hong Yu Electric Co., Ltd., Cheer Time Enterprise Co., LTD, Robert Bosch GmbH, YEN SUN TECHNOLOGY CORP., KSS, powertronics, Advantech Co., Ltd., igus® inc., ENDRICH CO., LTD, ASAZAWA INDUSTRIAL CO., LTD, FORMOSA TAFFETA CO., LTD, YANGMIN, SKF, Unilix, Maxon, ArchiAct, Beltenick, Raemco, Chain Yi Li, KYT





## E5 National Institute of Technology, Ichinoseki College/Iwate University

### ● Members

[CP] Kaishi Chiba, [FA] Kazuya Itoh, [MBR]

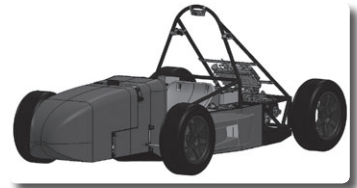
### ● Car Features and Team Aspirations

We got a new Powertrain, so motor power improved 20% over last year. Our vehicle can use "Torque Vectoring" and "Regenerative Charging" We use these functions and aim to win the EV class.

### ● Team sponsors

HONDA R&D, MODI, IWAFUJI, Lithium Energy Japan, Nippon Tanshi, Chida-seimitsu, HIROSE ELECTRIC, NTN, Morioka Isuzu motors, NAGASHIMA MANUFACTURING, Prime Earth EV Energy, Sumitomo Wiring Systems, P&A Technologies, TOHOKU NIPPATSU, NISSIN KOGYO, Iwate Iron, Aisin Comcruise, Ichikoh, SAHARA, FUKAI, SHIBATA Vehicles, SHINRYO Racing, KYOWA, NIPPON PISTON RING, SHOEI, MISUMI, RAYS, Society of Automotive Engineers-Tohoku, Iwate, Ichinoseki Industrial Accumulation Promotion Meeting, Kitakami River

Manufacturing Network, Itoh-Laboratory, National Institute of Technology, Ichinoseki College, Iwate University



## E6 Toyota Technical College Nagoya

### ● Members

[CP] Kazuki Hama, [FA] Tetsuya Hayakawa, [FA] Shiro Kaga, [FA] Ryota Tanigawa, [FA] Kenichi Kubota, [FA] Kazunari Takahashi, [FA] Keisuke Yamasaki, [MBR] Kazuki Baba, Kousei Miyahara, Ryota Tokuhara, Kouta Tsutsui, Yuya Nagata, Masazumi Hamanaka, Kakeru Nimi, Yuma Watanabe, Kazuho Seko, Yuki Tsukahara, Tenyu Hirai, Kenta Iihoshi, Kazunori Kotani, Takato Shibata, Katsunori Momiyama, Chihiro Hirata, Akito Kono, Shota Kamiya, Ryuunosuke Sei

### ● Car Features and Team Aspirations

Our team concept's is "Kiwami", comes from investigating F18 car's problems and normally evolving. Also, we focus on team management. As a result, we could grasp the progress. We "TTCN-F EV" aimed to finish

race and our team's best place.

### ● Team sponsors

YAMAHA Motor, SHINMEI KOUGYOU, Vicor Japan, Takagi Seisakujo, NOMURAMACHINE, Okano Electronics, GOODYEAR Japan, SolidWorks Japan, DAD, TACTI, TOYOTA GOSEI, F.C.C, NTN, Kyouwa Kougyou, Watanabe kougyou, Southco Japan, AISIN SEIKI, AICHI, Horaisen, Daisen Sangyou, Kyoseikoto College, Dexerials, IWATAFUKUSO, TOYOTA COROLLA AICHI, EV AICHI, FT TECHNO, FUKAI Seisakujo, WHITE HOUSE



## E7 Kanagawa University

### ● Members

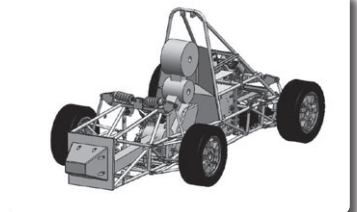
[CP] Aoi Kimata, [FA] Hiroki Nakamura, [FA] Mitsuhiro Yamaguchi, [MBR] Riku Oyamada, Yuta Hosino, Chihaya Nakamae, Yuta Sakurada, Mahiro Hirata, Daiki Enomoto, Kosuke Nakanishi, Kensho Tamura, Karin Suzuki, Yukimasa Isse, Takahiro Miyazawa, Eishu Andou

### ● Car Features and Team Aspirations

This season, with the goal of "endurance complete" as the team goal, I made the machine with awareness of a stable machine to finish the endurance. We aim to complete all competitions we have never achieved.

### ● Team sponsors

molex, Hitachi Metals, Analog Devices, AESC, Nishikawa Precision Machine Works, Kawasaki City Industrial Promotion Foundation, OZ Corporation, Saima Corporation, Nichiatsu General business, Tsutsumi Industrial, Okinaya, NTN, Hiramiya, Misumi, Matsuyama Industrial, VSN, Totec Amenity, KURAFT OB, Sato Parts, Osada, YAZAKI, Pulton Chain, Shigematsu, TDK lambda, TGM, FCC, Nisshin Industrial, TE Connectivity, Fukai Manufacturing plant, Auto shop Fukui, Nippon Tanshi, Koken Cematic, Fine Chemical, Daid Industrials, NMB, Nicole Racing, Widemuller Japan, GS Yuasa Corporation, Nifco, Sunlight, Koito, Cemedine, Kitaco, Plus  $\mu$ , Plot, D jac, Xam Japan, Nippon Dry Chemical, Eco Technilin/Lineo, KHK, La foret, SUBARU, Sentan Inc



## E8 Tohoku University

### ● Members

[CP] Kenta Shishido, [FA] Kenji Nakamura, [FA] Koichiro Kamata, [MBR] Ryo Kato, Naoki Takano, Kai Higuchi, Yuki Tatsui, Takashi Sano, Tarp Sakai, Tatsuya Kubo, Kondo Yoshiaki, Joshua Teguh Santoso

### ● Car Features and Team Aspirations

This year's TF-19 vehicle was developed with the concept of "the pursuit of ease of use". The team will work together to challenge the Competition with the aim of overall victory.

### ● Team sponsors

Tohoku University Mechanical Research Department Nakamura Laboratory, New Industry Creation Hatchery Center, MotoGarage Winds, Tohoku Univ. Micro System Integration Center ( $\mu$ SIC), Honda R&D., multiplex organic design institute (MODI), TOYOTA MOTOR EAST JAPAN,

MIYAGI TOYOTA, Netz Toyota Miyagi, TOYOTA COROLLA MIYAGI, Rent-A-Lease MIYAGI, TOKYO WELD, BOEING, TOHOKU STEEL, ZF Japan, KYOWA, Nifco, UMEZAWA-MUSEN., Dassault Systèmes SolidWorks Japan, MISUMI., Nissin Kogyo, KYOWA KOGYO, DENSO, THK, NTN, NSK, Honda Seiki, NHK SPRING, Astro Kiko, IZUMI-TECH, Protrad, TwinklePochet, Sumitomo Wiring Systems, National Instruments, JUUCHIYA-BOLT, PLUS-MYU Brake Factory, Susprog, OZ Japan, MathWorks, YAZAKI, NOK, Tohoku University Formula Team Alumni



# Team Information (Members and Sponsors)

## E9 Shizuoka Institute of Science and Technology

### ● Members

[CP] Shun Saito, [FA] Takashi Nozaki, [MBR] keito shukusima, naoki ueguti, keisuke adachi, kazumasa matsui, Kento Kubota, naoyuki kashiwagi, ryoya saitou, kenta yamauti, tomohiro suzuki, ayumu oshio, kazushige okamoto, sho watanabe, Eisuke Nakano, Tomotaka Nagai, natsuki serizawa, Hiroki Shizuhata, Syougo Kinpara, ryo honda, katsuya hirano, hiroki yano, Hikaru Ashihara, Yosimasa Okura

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

## E10 Toyota Technical College Tokyo

### ● Members

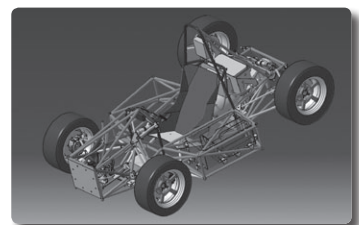
[CP] Daisuke Noguchi, [FA] Hironori okaya, [FA] Naoto Ninomiya, [FA] Hideaki suzuki, [FA] Yusuke Hishinuma, [FA] Sinto Sano, [MBR] Yuki Aida, Yuta Ito, Eita Kanaoka, Takumi Kimura, Takafumi Kuguhara, Akito Kobayashi, Kazuma Sato, Jyunitiro Sofue, Takahiro Tanabe, Masataka Chiba, Toshiki Tuchiya, Hideaki Nagai, Kenya Murakami, Shunichi Yamashita, Kaisei Igarashi, Erupan Aburaiti, Kazuki Oniishi, Taisei Ono, Kento Kojima, Masaki Kobayashi, Yusuke Komuro, Daisuke Sato, Takuma Suzuki, Shoichi Seino, Saki Takahashi, Tomokazu Nakamura, Takaaki Nike, Sho Nozawa, Hiroki Hujita, Tomoya Honda, Koji Yoshioka, Shuichi Mizuno, Miyano Kouhei

### ● Car Features and Team Aspirations

In 2019, under the concept of "light handling EV", we reduced the weight of the vehicle and changed the mounting position of the Li-ion battery. In addition, we will aim for the top 50 overall.

### ● Team sponsors

Amaz Techno-consultant, Ibaraki Toyota, WEINS IMPORT CARS, FTTECHNO, Kanagawa Daihatsu, Kanagawa Toyota, KIMURA FOUNDRY, Celica Repair Garage KOTOBUKI, Saitama Toyota, Saitama Toyopet, SATO PARTS, Shizuoka Toyota, Shizuoka Toyopet, Sensata Technologies, Daihatsu Tokyo, TAKASAGOSEISAKUSHO, Chiba Toyopet, Chiba Hino Motors, DENSO SOLUTION JAPAN, Tokyo Hino Motors, Tochigi Daihatsu, Tochigi Hino Motors, TOYOTA WEINS GROUP SERVICE, Toyota L&F Saitama, Corolla Kanagawa, Corolla Saitama, Corolla Shinsaitama, Corolla Chiba, Corolla Yokohama, Toyota Nishi Tokyo Corolla, Netz Kanagawa, Netz Shizuoka, Netz Shonan, Netz Tama, Netz Higashisaitama, Netz Yokohama, Hitachinouen, Fukushima Toyopet, FUJIMOTO KOUZAI, BuchiRock R&D, PROTRAD, BENDER, MATOBA, Maruyo Shoten, THE YOKOHAMA RUBBER, Yokohama Toyopet, Yokohama Hino Motors, LIGHT MOBILITY Mechanical Design, WAKO CHEMICAL



## E11 Universitas Islam Indonesia

### ● Members

[CP] Abdul Aziz, [FA] Wahyudi Budi Pramono, S.T., M.Eng., [MBR] Alivio Maulidya, Nadia Nur Afifah, Alfaza Malikal Fadly

### ● Car Features and Team Aspirations

Telemetry system. UASC EV Team is a college student organization dedicated supporting the development young engineers. The conceptual programs have many plans that exposes students to all augmentative aspect of engineering consist of project management, design, manufacturing, research, analysis and prototyping. Every members dedicated time, mind and soul to building the car to achieve goals. This team strive to research and build dream car that is technologically advanced.

### ● Team sponsors

PT. Wijaya Karya Tbk, PT Pertamina, PT. Adaro Energy Tbk



## E12 INSTITUT TEKNOLOGI SEPULUH NOPEMBER

### ● Members

[CP] JOEL DARREN PERMANA, [FA] ALIEF WIKARTA, S.T, [MBR] A A ANANDIKA PARWATA, SATRYO FADHIAN SHIDQI, RIQY RIZQYANDRA, MR MUHAMMAD ZIAUL ARIF, RHEMA ADI MAGIZA WICAKSANA, ING FADHLURRAHMAN IKBAR, MUHAMMAD HA EKAL SHAFI, FAHREZA AJI TARUNA, MUHAMMAD NAUFAL FARIZA, JOEL DARREN PERMANA, INGGRITA PUTRI KUSUMA, ING AGUNG PRASTOWO FRENG, MR LINGGAR ALVINSYAH TRENGGINAS, MADE BHASWARA WIRANUGERAHA, MAHDIYAH DWIMA YANISA, MUHAMMAD ANDHIKA ADIWIDYA, MR KHADIF GICHA ALIFIO, CLEVERZA MUHAMMAD SYAH, BACHARUDDIN YUSUF WAHYUDI, ANNISA RAMADHANTI RIRIANZA PUTRI, ING FAHRI HUMAIDI JR, GEN BARIZ IRFAN RIDHO, MR BINTANG PRATAMA, DAFFA RAFSANJANI IJLAL, RIZAL BAGUS PRAYOGO

### ● Car Features and Team Aspirations

Our car feature is using monoque combine with side tube sub frame, so we can maximize the capacity of battery that we use. We also make efficient vehicle by designing and building our own Electric Motor and Controller unit so we can adjust the variable. Our tim aspiration is highly appreciated by listening to all sugestion and discussion while troubleshooting and through some revision after manufacturing, assembling and testing our vehicle. We also making idea together to get funding and income.

### ● Team sponsors

Pertamina, Bright Gas, Indonesia Power, Humpus Transportasi Kimia, Prosinergi, Inka, ISTW



## E13 Kyushu Institute of Technology

### ● Members

[CP] Kanta Yoshioka, [FA] Naoki Mori, [MBR]

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

## E15 National Pingtung University of Science and Technology

### ● Members

[CP] Ciou, Yue-Hao, [FA] Lin, Chang-Sheng, [MBR] Lau, Win-Kit, Wu, Yi-Xiu, Su, Yu-Nan, Weng, Ke-Hsi, Lin, Kuan-Ting, Tu, Yi-Ting, Chang, Chih-Yu, Hsu, Chuan-Hsing, Cheng, Zhen-Ting, Liao, Yi-Jhih, Chiang, Hung-Tse, Yen, Ting-Yu, Lin, Ming-Hsien, Chung, Ho-ting

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

## E16 Rajshahi University of Engineering & Technology

### ● Members

[CP] Md. Tenver Sahariar Utso, [FA] Prof. Dr. Md. Rokunuzzaman, [MBR] Shafi Md. Istiak, Md. Razoan Mahmud, Abu Mosaeab Khan, Md. Fazley Rabbi, Md Rafi Rahman, Md. Zahid Hasan, Kh. Ferdous Wahid, Taufique Ahmed, Ahsanul Alam Kabhi, Sujan Banik, Souvik Ghatak, Sultan Muhammad Ahasanul Karim Asif, Sheikh Abdullah Al Saeed, Md. Nazmul Hasan Suman, Sk. Toki Tahmid, Md. Rashedul Alam, Dewan Tauhid Rahman, Saleh Mohammed Shahriar, Erphan Ahmmad Bhuiyan, Md. Abdur Raiyan Rian, Md Shamim Miah, Shahiba Noshin, Roknuzzaman, Mohammad Munem, Md. Hafizur Rahman, Md. Ariful Islam, Fuad Ahmed Chyon, Ashikur Rahman

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

## E17 R V College of Engineering

### ● Members

[CP] Venkatesh S, [FA] Dr. Shanmukha Nagaraj, [MBR] Mujavar Mohammed Ashtaq, Mushtaq Ahmed, Karshit Takhtani, Manoj S, Rutuja Jagtap, Akshay Kumar Joish, Aishwarya Sinha

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA



# Team Information (Members and Sponsors)

## E18 National Cheng Kung University

### ● Members

[CP] Lin Tzu Hsiang, [FA] Hou Ting Wei, [FA] Chih-Hsing Liu, [MBR] Kuo Yu Cheng, Chou Ting Kai, Chiu Jen fu, Lin Chia Chun, Wong Yi Ting, Huang Ting Shan, Chuang Yu Hsiang, Huang Hung-Hsun, Kuan Zi Wei, Chiao Kuan Wei, Huang Shao Kai, Lai Kuan Lin, Yang Hao Jen, Ou Szu Yin, Hsu Chang Chi, Hsu Yu Chin, Li Yu Hong, Lin Jui Hung, Yang Chia Yin, Tseng Chi Chung, Lin Pin Yi, Ogawa Takashi

### ● Car Features and Team Aspirations

### ● Team sponsors

NO DATA

## E19 National Taiwan University

### ● Members

[CP] Yuchen-chou, [FA] Kuan-lun Hsu, [MBR] PENG, CHI-JUI, Lin Tien-Li, WU, MENG-CHOU, SHUN-CHI, CHANG, Kuo-Lun, Huang, LYU, BO-TING, CHUN-SHENG, LIN, Bo-Ruei, Huang, Ching-Te Lin, YINCHIEN HUANG, TSAI, MENG-CHEN, Hsiang-Wei, Chang, Lin Tien-Li, Yu Hong Chen

### ● Car Features and Team Aspirations

It's our first time participate in this competition. Our goal is to build a safe chassis and a stable drivetrain with potential for further develop. The most important feature of our car is safety. We take larger safety factor than usual, with respect to maximize the safety.

### ● Team sponsors

Mouser, J-Tek, Trillion, Mobipus, Prodigit, Sonic, SKF, Bender, Raemco, Bar bear, Fuzhuan, Sharkfactory...



## E20 JiLin University

### ● Members

[CP] Hu Haiyang, [FA] Wang Da, [MBR] Liu Zhekai, Hu Wanli, Chen Guanrong, Yang Ruoli, Zhang Anran, Xu Qianhui, Li Yanfeng, Zheng Peng, Cui Haonan, Huang Tianqi, Xiang Mingjun, Wang Wuze, Li Hong, Liu Zhe, Song Qingchun, Shi Wentong, Ma Yingtong, Zhang Wenqi, Min Zifan, Wang Yifei, Liu Pujun, Liu Zihan, Xu Yidong, Wang Liwen, Wang Ke, Han Zhiquan

### ● Car Features and Team Aspirations

Jilin University Gspeed Electric Formula Vehicle Team is established in 2015. The team adheres to the people-oriented development concept and aims to cultivate innovative talents with international vision. For the first time in the 18th season, the team developed a carbon fiber composite

single-shell body, an anti-lock braking system with electronic brake distribution (ABS+EBD), and a planetary gear reducer. We will explore advanced racing designs to create first class racing and talent.

### ● Team sponsors

DENSO, Lintianyuanda, Changchuntianhuo, Continental, Speedgoat, BOSSARD



## E21 National Taipei University of Technology

### ● Members

[CP] Po-Yuan, Cheng, [FA] Kuang-Yow, Lian, [MBR] Shun-Wei, Hung, Yu-Yu Cheng, Cheng-Yang Liu, Zong-Xuan Wu, Deng-Hong Lee, I-Shen Ho, Po-Hsuan Chen, Yuan-Xu Peng, Li-Hsin Chen, Yu-Han Hsiao, Pai-Chen Chen, Cheng-Yu Chang, Bing-Bing Shiu, Wei Huang, Fan-Ju Liao, Ting Tong, Po-Cheng Chang, Tzu-Yi Chuang, Che-Yu Lin, Li-Huan Hsu, Szu-Chi Huang, Shih-Hao Wu, Jing-Chih Huang, I-Cheng Lu, Li-Hng Tan, Ssu-Sheng Tsai, Yang-Chu Hong, Cheng-Shian Yang, Tzu-Hao Su, Li-Wei Li, Chien-Chun Lai

### ● Car Features and Team Aspirations

This year we set up a two-year plan. We manufacture two cars. One is TTR4 ICV, the other is TTR4 EV in this year JSAE. In TTR4 EV, we

aiming for "stability". In this first year we aiming for completing the competition.

### ● Team sponsors

KCMG, Sanyang, Mouser Electronics, Motul, t-global, Hotaimotor, Formosa Taffeta, Epolab Chemical Industries, Unilli, Yamaha, RES, WHETRON, NSK, ASAZAWA INDUSTRIAL, Triple S, Racingbros, Fit Shox, RockShox, FCC, AXALTA, RAEMCO Chroma, trionco, IGUS, KYT, Golden Bloom, FOUNDER LAND, CHELIC, Yoshang Precision Machinery, BOSCH, GARMIN, KOSO, zircotec, Bender, Sensata, Solidworks, Cybernet



## E22 Harbin Institute of Technology at Weihai

### ● Members

[CP] Zezheng Huang, [FA] Jianfeng Wang, [MBR] Shaolong Cao

### ● Car Features and Team Aspirations

HRT founded in 2013, our concept is 'Design to win, compete for victory', HRT-19E is based on innovation, lightweight and reliability. We design one-piece CFRP monocoque, and we design our aerodynamic devices based on CFD. As for the powertrain, distributed four motor drive used to improve the vehicle performance. We use third spring arrangement to improved vehicle response.

### ● Team sponsors

光威, 蔚来汽车, Chroma, arm, 贤泽电子, 科列, melasta, Bender, HUBER SUHNER, 北京华海科技有限公司, National Instruments, 恒润科技, Mentor, 森萨塔, 大陆, igus, 长鹿工具, ANSYS, MathWorks, MSC Software, IPG, 新北洋, 上海拓渝实业有限公司, Altair, 中科恒泰, HONDA, IMK, ZF



## E23 Beijing Institute of Technology

### ● Members

[CP] Mingkai Zeng, [FA] Peng Liu, [MBR] Mingyang Li, Haoyu Liu, Chengyu Lian, Yankun Lu, Huichen Ma, Ruifeng Mao, Yizhou Pang, Kai Pang, Bokai Quan, Fei Wang, Jiheng Wang, Yuze Wang, Da Wen, Yonghua Wu, Xin Xiong, Ruoxin You, Jiawei Zhang, Shumeng Zhang, Xiangchao Zhang, Xinshuo Zhang, Qunfeng Zheng, Haoan Zhou, Zheng Sun

### ● Car Features and Team Aspirations

Car Features: Distributed drive control strategy based on AMK hub motors, integrated management of control circuit, carbon fiber products oriented by lightweight idea e.g. monocoque car body, suspension, and adjustable aerodynamics kits.

Team Aspirations: With the brand new product, Silver Shark VIII, for Season 2019, the teams are expecting detailed communications in all aspects with friend-teams for inheritance of technology, and to finish competitions without regrets.



### ● Team sponsors

BAIC BJEV, School of Mechanical and Vehicle Engineering, Beijing Institute of Technology, SMC, Institute of Advanced Structure Technology, Beijing Institute of Technology, Huahai Technologies, SINO COMPOSITE CO., LTD., MAGNA, Altair, Melasta, Meiwo Material, DuPont, Kiclear, BENDER, HUBER-SUHNER, Jettop Racing Development, IMK Brakes, FLUKE, SUI ON INSULATING

## E24 Universitas Gadjah Mada

### ● Members

[CP] Ariestyan Darmawan, [FA] Triyogatama Wahyu Widodo, M.Kom., [MBR] Ahmad Koirul Rijal, Ariestyan Darmawan, Akbar Yuga A. M., Andini Khairat Besral, Andriel Perangin Angin, Arif Purnomo Aji, Ayu Titan Damayanti, Benedictus Axel Nugroho, Bima Anggoro, Bimo Widyatamoko, Christopher Tangguh Bayu Wahyudi, Erwin Firmansyah, Erwin Julian Triantoko, Fina Nur Khalisha, Hanif Faalih Wienico Kusuma, Ibra Ilham Wijaya, Ignatius Chandra Kurniawan, Imam Al Hakim, Inherenta Muhammad Amarutli, Josi Aldo Emmanuel Pramono, Ken Zabyi Muhammad Arief, Lusya Estihito Estuningrum, Previo Iman Prakasa, Rama Satriya, Ramadhani Yuda Pratama, Rizka Faradilla Zulfiana, Rizky Dewandaru, Sabit Akbar Biruni, Suryo Hadiwibowo, Wibi Fahru Ma'rufi, Yunas Pandu Satria, Zaky Fadlurrahman, Alwinda Husna Aliya, Eva Anugrahayu, Farhan Iqbal Bagaskoro

### ● Car Features and Team Aspirations

Arjuna EV is the Formula Student team of Universitas Gadjah Mada for electric class. Founded in 2012, we have created many inovations for Indonesia's electrical vehicle technology. As the pioneer of formula EV car in Indonesia, this year will be our second times to participate in FSAE Japan. Over all, the performativity of our car would be much better than previous years which is lighter, better aerodynamics, and better maneuverability.

NO DATA

### ● Team sponsors

Toyota Motor Oil, Pegadaian, Suzuki, PT Pertamina MOR IV, PT PJB, Ministry of Industry Republic of Indonesia, and to be released

## E25 SEIKEI University

### ● Members

[CP] Yusei Sakae, [FA] Shinji Shinoda, [FA] Kiichiro, [FA] Munenori Kai, [FA] Kentaro Shikada, [MBR] Akihiro Okazaki, Yuto Koizumi, Ayase Arai, Tomoya Isozaki, Takuma Kawaguchi, Haruki Kumasaka, Ryo Yoshida, Mikihiro Ebihara, Atushi Kanazawa, Mayu Kuroiwa, Reona Taira, Nanaho Takano, Yuichi Hayashi, Kaito Matumura, Kiwamu Murakami, Mutuki Kanda, Wataru Akasaka, Tomoyasu Biyazima, Daiki Morifuzi, Wakana Watanabe, Tatuya Nagashima, Shotaro Hokari, Hayato Miwa

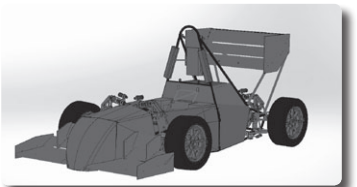
### ● Car Features and Team Aspirations

This year's machine "DEBUT" was designed and manufactured in a two-year plan. The name of "DEBUT" is derived from your EV debut machine. Maked a team and changed the team system. The goal of the competition

is the completion of all events and to get a rookie award.

### ● Team sponsors

iPX, Asahi Kasei Building Materials, Althea Engineering, WINTECH, HPC Systems, NTN, FCC, AUTOBACS SEVEN, Kumasaka Window Works, Kyowa Kogyo, Crossover, Shodenkai, Koken, Kojin Chemical, Ohara Gear Industry, KONDO, SATO Parts, CIR Research Institute, Sumitomo Wiring Systems, Seikei University, Seikei University Faculty of Science and Technology, Seikei University Faculty of Science and Technology Alumni Association, Sensora Technologies Japan, SolidWorks Japan, Dysord, TEIN, THK, DMM.com, Tonji Works, Nissan Motor Co., Ltd., Nissin Kogyo, Nifco, Nippon National Instruments, Fuji Precision, PUES EV, Pro Torad, Honda Motor, Male Japan, Makita, Maxell Sliontec, MISUMI, Musashi Sakai Motors Training School, Murakami Manufacturing, Yazaki General Industry, Yashica Auto Body, Yutaka Giken



# Team Information (Members and Sponsors)

## E26 Nissan Automobile Technical College Kyoto

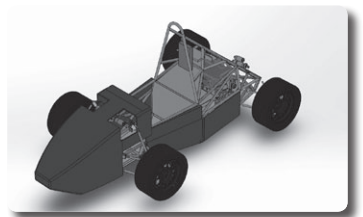
### ● Members

[CP] Nishikori Ryo, [FA] HIDEYUKI YOSHIKAWA, [FA] Toshihiko Kato, [FA] Tetsuji Ohmura, [MBR] Sasaki Shoma, Kazuki Okada, Kohei Nakamura, Takumi Kawamoto, Ryuhei Sakurada, Satoshi Ito, Daisuke Nagasako, Yudai Higuchi, Satoshi Yamano, Noboru Watanabe, Shota Aoyama, Akihiro Ono, Motohiro Fujisawa, Taishi Tsukioka, Kenichiro Murata, Daiji Fujiki, Ryoma Arimoto, Taishi Iwayama, Akiyoshi Tanda, Tsukasa Yozai, Natsuyuki Kawabata, Syo Kunihiro, Takuto Kanba, Masaki Sumino, Natsuki Miura, Takaya Yoshikawa, Motoki Ashihara, Keiji Kawai, Takashi Tamai, Ko Akai, Naoki Tsuda, Tetsuya Koyama, Takashi Tanaka

### ● Car Features and Team Aspirations

The vehicle concept is "chassis faithful to the basics" and "high power

train". As it is the first challenge for us, we have struggled in various ways without knowing anything, but we manufactured the vehicle while holding the basics firmly in order to achieve the goal of completing all the events. Please provide some support.



### ● Team sponsors

Nissan Motor, TONE, SolidWorks·Japan, F·C·C, NTN, OZJapan, Settsu Kinzoku Kogyo place, DEEPSTAGE Racing, waist racing Cars, TMC, National Instruments SHENZGEN MELASTA BATTERY, EVOLVE, hero Electric, Sumitomo electric equipment, Sankei Industry, Nippon Dry-Chemical, Nicole racing, HILL TOP, Protrad, proto, Sensata Technologies Japan

## E27 Kanagawa Institute of Technology

### ● Members

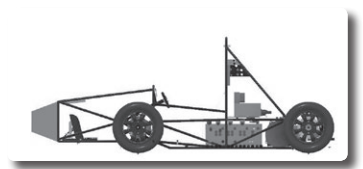
[CP] Shinya Tanaka, [FA] Makoto Yamakado, [FA] Akihito Okazaki, [MBR] Shinya Tanaka, Shingo Matsumoto, Zhang Haipeng, Hidetaka Hatakeyama, Takamasa Suzuki, Tomoya Funaoka, Riku Hashimoto, Ryuto Iijima, Shuntaro Otsu, Kentarou Hoshi, Rikuto Goto, Riku Tamagawa, Go Takahashi, Hisaha Watanabe, Sho Yamanouchi, Yoshiki Fujiwara, Kouhei Watanabe, Kengo Ishiwari

### ● Car Features and Team Aspirations

In order to produce a vehicle that can demonstrate the performance of the motor 100%, our team has produced a battery module of its own. The team aim finishes running all the dynamic events by winning the overall victory in acceleration.

### ● Team sponsors

Matex, HEMMI





# スポンサー企業一覧

Sクラススポンサー 5社

# TOYOTA

# NISSAN

MOTOR CORPORATION

# HONDA



# 日立金属

Materials Mag!c

Aクラススポンサー 26社



# TAMADIC

Change creation into power

# NOK

# igus



# VSN

# AISIN

# ISUZU



# Kawasaki

# KOMATSU

# SAGInoMIYA



**ZUKEN**  
The Partner For Success

 **SUZUKI**

 **DAIHATSU**

**DENSO**  
Crafting the Core



MOTION & CONTROL™  
**NSK**

**HITACHI**  
Inspire the Next  
日立オートモティブシステムズ

**HTFT**  
Honda Techno Fort

  
**YAMADA**

 **YAMAHA**  
*Revs Your Heart*

Bクラススポンサー 86社

 **TACHIS**



**PRESS KOGYO**

 **豊田自動織機**

**YOROSU**

  
UD TRUCKS

**ICHIKOH**  
a Valeo company

  
DEVELOP YOUR ORIGINALITY THROUGH UNIVERSAL JOINTS  
**KYOWA** JAPAN  
<http://www.kyowa-uj.com>

**NIFCO**  
WOWING THE WORLD

 **HINO**

**BBS**

**dSPACE**

 **MathWorks®**

**NTN**

**Mentor®**  
A Siemens Business

 **SOLIZE**

  
アイシン・エイ・ダブリュ

**ADVICS**

  
株式会社 アネブル

 **Altair**

**ANZEN**  
安全自動車株式会社

**ETAS**



**Valeo**

**WITZENMANN**

**AVL** 

 **ACTIVE TRACTION SERVICE**

**EXEDY**



AUTECH JAPAN, INC.





Cクラススポンサー 72社



# Competition Site



# ECOPA Guide Map

