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#### www.fmae.in

National Automotive Design Competition

## FORMULA KART DESIGN CHALLENGE







Formula Karl Design Challenge (FKDC) is an avant-garde of Fraternity of Mechanical and Automotive Engineers. This time around, the contemporary approach of Karting Design Challenge is all set to experience a maxeshift. FMAE plans to prosecute the design challenge according it with a modish approach.

FMAE has decided to launch Formula Karl Design Challenge in three different segments.

IC - Go Karls which run on power generated by Ignition Combustion engines with constraints on all the augmenting factors, details of which would be provided in the rule book.

e.V. - Go Karls running on power generated by motors with constraints on all the augmenting factors, details of which would be provided in the rule book.

out to book.

Did Karling - An off road Go Karl bout where the event goes to another level. This requires the Go Karl to perform on a did track. Further, augmenting details will be provided in the rule book.

The three transfers would be provided with a rulebook differentiating each one in accordance with the desideratum respectively. The augmenting details will be provided in the rule book.

All the three segments would be provided with a rulebook differentiating each one in accordance with the desideratum respectively. The introductory classification of all three segments is given below for the concerned individuals to go through. One significant note that each and every participant/participating team must be aware of is that none of the three design challenges have any preliminary disqualification rounds, though it is a must for each and every team to go through a screening phase in the presentation round that is better known as the Presentation (Virtual) Round. Below are the introductory specimens to acquaint the participating teams with the different segments of EKDC.



#### www.fmae.in

#### Workshop and Training

The Training and Workshop facility started by FMAE is one Of the very useful and career oriented program for the Students.







Within months we started getting very truge response and completed the 3 days training program AL Lovely Professional University and LNCTS, Bhopai, We have also completed the Summer Training on Automobile Design And Manufacturing at Bhopol in this academic year.

About the training Program

The Iraining courses consist of long term programs and shart term programs.

### Outdoor Training Programs and Indore Workshops – Automobile Skill Development Program- FMAE

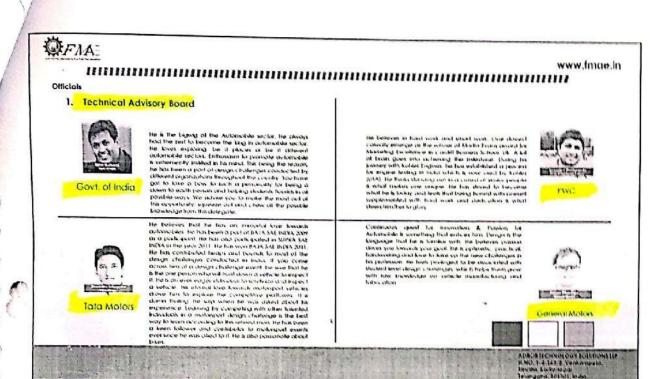


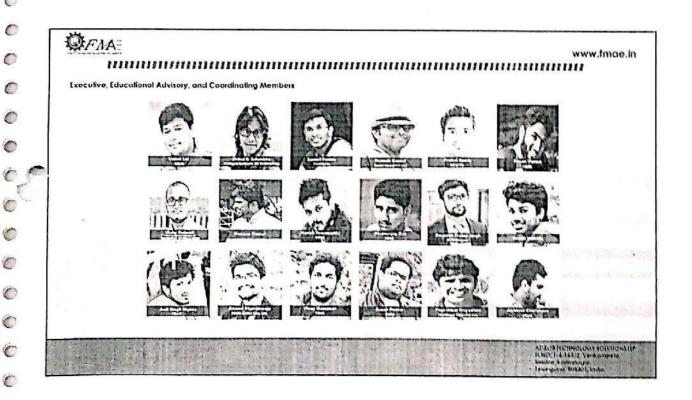












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**GURU NANAK INSTITUTE OF TECHNOLGY** Department of Mechanical Engineering Khanapur Vill, Ibrahimpatnam, Manchal Mandal, Ranga Reddy Dist-501506, Telangana -begard U Date:26/08/2017 E SUBMITTED TO PRINCIPAL accounts of 3 day national level workshop conducted on "Advance vehicle Dynamics" during 25<sup>th</sup> -27<sup>th</sup> of August 2016 and bills submission regd.

The following 25<sup>th</sup> -27<sup>th</sup> of August 2016 and bills submission regd. The following are the details of the money collected through registration and expenditure. Total number of registrations: 412 = (412x600) : 247200 — 2. Amount Received From Registration س 247200 Amount to be paid to FMAE [45%-10000 for inaugural function, -8000 for Kit-Lunch ] :111240-10000,-8000-10300=82940 4. Amount to the college [55%+10000 for inaugural function] :135960+10000+8000=153960 Expenditure for the workshop from GNIT 1. Id cards 2. T-Shirts 3. Tea & Snacks (GNIT Canteen) 4. Inaugural Fuction (Chief Guest Gift+ Miscellaneous) : 10,000/-. 5. Kit Cost (20x400) : 8,000/-6. Lunch (GNIT Canteen) - 17 8 117 Total Amount retained for GNIT-Go-Kart Team [1,53,960-44,700]: 1,09,260 Money collection and expenditure details are submitted for your review and approval. DINATOR Photos Din Line 1109, 260) and We have Shankered to geon agriste -17 Dholy of 18 8294 of Formell FIAE of the MON alegoriche IN he by of B 20,60 of how which to all facts citate on 2/8/17 1/8/17/ The wolon cur fred with (5000) of French (2000) of There (2000)

# GURU NANAK-INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

Date: 3/09/2017.

Shorthank 8) FA 46

# NOTE SUBMITTED TO PRINCIPAL

Sub: Accounts of 3 day national level workshop conducted on "Advance vehicle Dynamics" during  $25^{th} - 27^{th}$  of August 2016 and bills submission reg.

The following are the details of the money collected through registration and expenditure.

1. The total number of registrations :  $412 = (412 \times 600)$ 

: 2,47,200/-

· 2. Amount received from registrations

:2,47,200/- •

3. Amount to FMAE ( 45 % of Total amount )

.:1,11,240/-

 FMAE sponsored for inauguration function FMAE sponsored for kit

: 10,000/~~

8000/--

FMAE sponsored for Lunch

: 10,300/- -

4. Paid to FMAE after all deductions (1, 11,240-28,300) 5. Balance amount retained to Go-Kart team(2,47,200-82,940):1,64,260/-

: 82,940/- >

6. Workshop expenditure for 3days

: 51,760/- 4

7. Remaining balance after all payments and expenditure's 4(1, 64,260-51,760)

: 1,12,500/-

Hence we are requesting you to release an amount of 51,760/- towards workshop expenditure and remaining balance amount of 1,12,500/- can be used for Quad bike fabrication at GNIT campus. The

Faculty Coordinator

exinded for Payment =/ R. 51,760

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he conjunded to my of the 51,760/ to year all would of Expedition tomall AVID - Was Afford.

be reme generated of Rs 1, 12,500/ Twelferred L bolets End to side ( while out vetillet - 19 +

# GNT GURUNANAK INSTITUTE OF TECHNO

# GNIT GURU NANAK INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

## ADVANCE VEHICLE DYNAMICS WORKSHOP FEEDBACK REPORT

S.NO	DAY	PROGRAMME	FACULTY NAME	RATING				OVERALL
5.110				EXCELL ENT	V.GOO D	GOOD	AVERAGE	RATING
1	DAY 1	SESSION 1	Dr. SANDIP S DESHMUKH, Assoc Prof, BITS,HYD	38	229	59	6	V.GOOD
2		SESSION 2	Mr. RAVI ROBIN, CTO,FMAE	219	68	42	3	EXCELLENT
3	DAY 2	SESSION 3	Mr. RAVI ROBIN , CTO,FMAE	195	99	30	8	EXCELLENT
4	DAY 3	SESSION 4	Mr. RAVI ROBIN CTO,FMAE	178	101	44	9	EXCELLENT
5		SESSION 5	Mr. ADITHYA RAO, CEO,FMAE	135	122	61	14	V.GOOD
6		SESSION 6	Mr. RAVIROBIN CTO,FMAE	198	88	36	10	EXELLENT
7	TEA.	TEA AND SNACKS		186	99	32	15	EXCELLENT
8	HOS	HOSPITALITY AND TRANSPORT			78	152	93	GOOD

Sliwedel Faculty Coordinator

HOD-ME

# GUR U NANAK INSTITUTE OF TECHNOLOGY GNIT DEPARTMENT OF MECHANICAL ENGINEERING

To

Date: 17/10/2017

The Principal

Hyderabad.

Guru Nanak Institute of Technology

Ibrahimpatnam, R.R Dist.

SUB: Requesting for the Permission for Providing the Transport Facility up to Kachiguda Station. - Reg -

We are From Team Super Ignite of Mechanical Department. Since we are Participating in Quad Bike Design Challenge held at Coimbatore from 22nd Oct- 25th October, 2017. Our Team of 30 memebers have planned to leave on 20th October 2017. The train will depart from Kachiguda at

So, We kindly request you to provide a college bus on 20th Oct 2017 at 9:30 AM for our Transportation to Kachiguda Railway Station.

Thanking you,

Forwarded to principal sor to lawideration:

- Resommended for Small but Bolf of Countrast at 10.00 Am Franciscollage and bus will Camback by 1.00 pm. HDD. 17/10/17 - 20 students boarding fran college. HDD.

Yours Sincerely.

Team Super Ignite

It has recelling Translations Averagent Franches by slatts.

Told gen - 3 jenles.

Ry 8100,
05A-70 SWF,
17.10.10

Gmail

Abhilash Reddy Goda <babiabilashgoda@gmail.com>

## Fy/d: Venue Announcement for QBDC-2017 - FMAE

nussage

TEAM SUPER IGNITE <captain.gnit@gmail.com> To: Abhilash Reddy Goda <babiabilashgoda@gmail.com>

Sat, Sep 24, 2017 at 12:20 PM

----- Forwarded message -----From: QBDC FMAE <ubd @fmae in> Cate: Sat. Aug 20, 2017 at 10:10 AM

Eubject: Venue Announcement for QBDC-2017 - FMAE

Co: Ravi Robin <ravirobin@fmae.in>, Adithya Rao <adithyarao@fmae.in>, Aman Kumar <amankumar@fmae.in>

Dear Team Captain,

eelings of the day !!

Here we come up with the much awaited news of QBDC-2017. The venue is finalised and it going to be:

ACT Din Track Chinnavedampatti, Saravanampatty, Coimbatore, Tamil Nadu - 641049

Event Dates: 22nd-25th, October , 2017

#### Guidelines :

1> Every team must report by 22nd Oct, 2017 before 09:00 AM (IST) with their vehicle.

2> Onsite Team Registration and vehicle registration will be done on arrival of each team. Every participant must report with College Id Card, one passport size photo and one Government Photo Id.

3> Pit allocation will be done on 22nd Oct Morning at 9:30 AM(IST), sufficient time will be provided to each team for sembling the vehicle.

Welding Machine and Electrical supply will also be provided to recover the damage or to do any instant modifications. However this facility will also be available for all event dates.

5> FMAE will also support the teams in fetching out the nearest and affordable accommodation, registration for which will start soon.

Complete event schedule for each team will be provided in couple of days. We advice you to proceed for your travel bookings. If you need any assistance, please write us back. We will be happy to assist you.

#### Thank you

Facil Regards Learn QBDC mernity of Mechanical and Automotive Engineers 19: 8054745697 assis dinde in

### **PRESS NOTE**

We are pleased to inform you that the Department of Mechanical Engineering, Guru Nanak Institute of Technology, Ibrahimpatnam, Hyderabad, inaugurated the Three Day National Workshop on "Advanced Vehicle Dynamics" on 25th August, 2016. The workshop organized by Team Super Ignite of Mechanical Engineering in collaboration with Fraternity of Mechanical and Automotive Engineers(FMAE) is first of its kind, was inaugurated by Chief Guest, Dr. Sandip S Deshmukh, Professor, Department of Mechanical Engineering, BITS-Pilani, Hyderabad Campus. The Vice chairman, Managing Director, The Principal, The Vice-Principal, GNIT, Dr. M. Narendra Kumar and Head, Mechanical Engineering Dr. B.Vijay Kumar, the Resource Persons, Mr. Ravi Robin and Mr. Aditya Rao from FMAE were present on the occasion. Around 450 students from various colleges across India participated in the workshop held in GNI-Indoor Auditorium. Dr. Sandip S Deshmukh, the Chief Guest, in his inaugural speech presented his views on the present challenges faced in automotive engineering. The Resource Persons taught the basics of an automobile engineering, the importance of the basic design of automotives and demand of the field in the market, factors to be considered while designing of automotives and their advantages to the society including agriculture applications. This workshop is continued for the next 2 days (26th and 27th August) with hands on . experience to students on design and fabrication of performance vehicle.







Total students according to college							
GNIT	: 169		a E				
GNITC	: 43	**	51 I B				
KITS	: 5	6	1(4)				
JAGRUTI	: 6	A.A.	*				
SRI INDU	: 0 40 Va	1001	*.				
AURORA	: 29	ell	3				
CBIT	: 2		S V				
VAAGDEVI	: 10	6	¥8 27#17				
KBR	: 5	3	8				
MALLAREDDY	Y:9		36 - 5 <b>16</b> 9				
BRILLIANT	. 2		3				
BIET	: 2	85 8 <b>8</b> 8	NACE OF				
SPOORTHY	: 16		*				
NNRG	: 8						
ST.MARYS	: 8	ē ·					
MGIT	2						
NMREC	. 7	8					
BHARAT	:7	1 0 /	<u> </u>				
INDUR	:4 :-10 35 B	3N/					
RVR	• 7						
OTHERS TOTAL STUDE	386 386						
TOTAL STUDI	w: 200		1800 N				
Franoutsede college Internal	: 212	111					
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# FMA GURU NANAK INSTITUTE OF TECHNOLOGY Department Of Mechanical Engineering



FRATERNITY OF MECHANICAL AND AUTOMOTIVE ENGINEERS

### 3 Day National Level WorkShop ADVANCE VEHICLE DYNAMICS

BASIC AUTOMOBILE, DESIGNING, CAD MODELING Your Success will stort on the day, when you start participating ....



Get Ready!"

Learning needs a closer Look>>



LEARN

RESEARCH

DESIGN

**MANUFACTURE** 





DESIGNING, CAD MODELING



Registration Fee: 600-INR/partclpant

- → Full Flodged Basic Automobile Designing → Knowledge Sharing, Calculation → 3 D Cad Modeling → Suspension Designing by Each Student

- Vehicle Dovelopment Techniques Special Awards and Appreciation Letters Certification of Participation to each student Worktnop Kit Including Espoaks and references

Workshop Dates: 25th - 27th August 2017 Venue : GNIT, Hyderabad

Dr. S. Sreenatha Roddy

Principal,GNIT Dr. M. Narendra Kumar

Vice Principal GNIT

Dr. B. Vijaya Kumar

HOD-ME, Convener (8096609836)

Student Coordinator (Registration) 1.SKI HARSHA-8985130032 2.ABHILASH-9701258726

**Faculty Coordinato** 

SHAIK HIMAM SAHEB-9949019555

Mail Id- himamsal.eb.megnit@gniindia.org



# GURU NANAK INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

#### NOTE SUBMITTED TO THE PRINCIPAL

Date: 23.08.2017

### **Advance Vehicle Dynamics**

Total registered students: 201 (as on date 23/8/2017)

SRI INDU: 13
 SPOORTHY: 15

• AURORA: 16

AVN: 8SRI DATTHA: 6

INDUR : 6BRILLIANT : 12

CMR : 5
 Mallareddy : 12
 Dhruva : 2

Total outside: 95

Guru Nanak Institute Technology: 93

Guru Nanak Institutions Technical Campus: 13

#### Participants expected

Coimbatore Institute of Technology (Registrations confirmed Over mail): 4

Outside colleges in Hyderabad : 35

In GNIT : 30In GNITC : 30Spot : 50

Total confirmed : 201

Total Participants expected: 149

Total participants : 350

HOD-ME J



# GURU NANAK INSTITUTE OF TECHNOLOGY Department of Mechanical Engineering



FRATERNITY OF MECHANICAL AND AUTOMOTIVE ENGINEERS WWW.FMAE.IN

**PRESENTS** 

## 3 Day National Level WorkShop on ADVANCE VEHICLE DYNAMICS

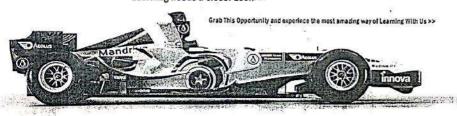
BASIC AUTOMOBILE, DESIGNING, CAD MODELING

Your Success will start on the day, when you start participating ...



Get Ready!\*

Learning needs a closer Look>>

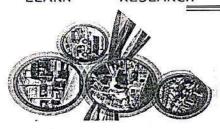


**LEARN** 

RESEARCH

DESIGN

MANUFACTURE



BASIC AUTOMOBILE DESIGNING, CAD MODELING VEHICLE DYNAMICS

Student Coordinator (Registration) 1.SRI HARSHA-8985130032 2.ABHILASH-9701258720

Faculty Coordinator

Principal, GNIT Dr. M. Narendra Kumar Vice Principal GNIT Dr. B. Vijaya Kumar

SHAIK HIMAM SAHEB-9949019555 Mail Id- himamsaheb.megnit@gniindia.org

Full Fledged Basic Automobile Designing

Knowledge Sharing, Calculation -3 D Cad Modeling

→ Suspenision Designing by Each Student → Vehicle Development Techniques

Special Awards and Appreciation Letters
 Certification of Participation to each student.

- Workshop Kit including E-books and

Workshop Dates, 4th-6th, August Venue: GNIT, Hyderabad Dr. S. Sreenatha Reddy



GNIT Mr. Sk. Himam Saheb <a href="mailto:shimamsaheb.megnit@gniindia.org">himamsaheb.megnit@gniindia.org</a>

## Follow Up for Conducting the training

15 messages

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Ravi Robin <ravirobin@fmae.in>

Sat, Jun 18, 2017 at 8:30 AM

To: "GNIT Mr. Sk. Himam Saheb" <himamsaheb.megnit@gniindia.org>

Dear Sir,

Good Morning!!

Thank you so much for writing the email!!

I have discussed the proposal with other core committee members and I am happy to inform you, that they would also like like to conduct the training in GNIT.

I am pretty clear with the proposed number of participation 200-250 for this workshop from your last email.

We are ready to conduct this training for improvement of quality learning in your region. We also promise to make it a beneficial and great learning experience for your students which is also our primary objective.

The training will be conducted for 3 days minimum for 6 hours/day which will include 1-hour brake in between.

The number of days is decided in reference with the number of participation (200-250), because we think that satisfying and assisting individual student is necessary in this training.

Day-1 = We will cover all the basic concept with developed idea about vehicle dynamics and will move to the Advance vehicle dynamics in the next session.

Day-2 = We will proceed with the design Calculation and approach.

Day-3 = We will keep for Designing and Doubt clearing season.

NOTE: On the last day we will also keep 1-hour extra session for individual assistance and training feedback.

6/25/2017 4:23 PM

I Will also send you the detailed course content , once we finalise the things.

We would also like to propose the workshop fees of 600 INR per student as decided with board members, we generally charge 1000 INR for vehicle Dynamics course but since you proposed to put 200-250 students for this workshop and we are also truly interested to have a session with your students, I somehow convinced them for this.

We would also like to share the revenue by 25 % of the total amount with the college management.

Please go through the proposed points and do not hesitate in writing me back on any point.

I will be waiting for your response.

Thank you

Best Regards,

Ravi Robin

Chief Technical Officer (CTO)
Fraternity of Mechanical and Automotive Engineers
Ph. No- +91-7065363282
www.fmae.in



Disclaimer- This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager.

GNIT Mr. Sk. Himam Saheb <a href="mailto:shimamsaheb.megnit@gniindia.org">himamsaheb.megnit@gniindia.org</a> Sat, Jun 18, 2017 at 9:32 AM Cc: Gnit Principal <a href="mailto:sprincipal.gnit@gniindia.org">sriharsha kannoju <a href="mailto:sriharshakannoju69@gmail.com">sriharshakannoju69@gmail.com</a>

work shop proposal from FMAE [Quoted text hidden]

GNIT Mr. Sk. Himam Saheb <a href="mailto:megnit@gniindia.org">himamsaheb.megnit@gniindia.org</a> To; neela sai <neelasai1996@gmail.com>

Sat, Jun 18, 2017 at 9:35 AM

[Quoted text hidden]

GNIT Mr. Sk. Himam Saheb <a href="mailto:shimamsaheb.megnit@gniindia.org">himamsaheb.megnit@gniindia.org</a> To: madhanasreedhar@yahoo.com

Sat, Jun 18, 2017 at 9:42 AM

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