

K. K. Wagh Institute of Engineering Education and Research
Department of Mechanical Engineering
Technical News Letter
Semester II of AY 2020-21

: Vision of the Department :

To impart quality education to the students in the areas of Mechanical Engineering and expose them to world of work.

: Mission of the Department :

M1: To impart analytical skill through adequate exposure to theory

M2: To provide exposure to engineering practices

M3: To inculcate professional ethics and provide necessary inputs for the development of overall personality

It's a great pleasure to present our newsletter for the semester II of AY 2020-21. Department of Mechanical Engineering has been consistently endeavoring to upgrade the skills and performance of students and staff members through various ventures.

Expert Lectures/Webinars:

Dr. Arvind Kumar Rajput, Professor Mechanical Dept, IIT Jammu, delivered an expert talk on the topic "Material Selection in design of machine components" on 1st March 2021.

Mr. Digvijay Wani, Logistic Manager, eemagine Medical Imaging Solutions, delivered an expert talk on the topic "Career opportunities in Supply Chain Management" on 18th March 2021.

Mr Yugandhar Tupe, Foundar & Director Suryouth Enterprises Nashik , delivered an expert talk on the topic "Entrepreneurship Awareness" on 24th March 2021.

Sanajy Patil, Finacial Planner, Channel Partner of Motival Oswal Mutual Fund Distributor, delivered an expert talk on the topic "Financial Planning" on 01st June 2021.

Mr. Suresh Bhandekar, Ex. Chief Engineer NTPS, Nashik, delivered an expert talk on the topic "Power Plant Instruments" on 12th June 2021.

FDP/STTP/Workshops Organized or Attended:

One day online workshop was organized on “Design & Development of Prototype” on 27th March 2021. Resource Persons: 1. Mr. Pratik Shroff, Engineer, ARIA Pune, 2. Rajsing Chauhan, Engineer, Automotive Engineering Vadodara, 3. Dr. P B Kushare, Professor, KKWIEER.

Department Faculties have attended (more than 30) online FDP, STTP & Workshops at State, National and International level.



K.K.WAGH INSTITUTE OF ENGINEERING EDUCATION AND RESEARCH, NASHIK-03
(8 Programmes NBA Accredited, NAAC A Grade)

Institution's Innovation Council organises workshop in association with Mechanical Engineering Department

Online One Day Workshop
on
“Design and Development of Prototype”
Date: 27th March 2021 (Saturday)

Sr. No.	Topic	Resource person	Time
	Inauguration		
1	Product Design and Testing : Automotive Transmissions	Mr. Pratik Shroff Engineer ARIA, Pune	10.00am to 10.10am 10.10am to 11.15am
2	Automotive Product Development Process	Mr. Rajsing Chauhan Automotive Engineer, Vadodara	11.30am to 12.30pm
Lunch break (12.30pm to 1.30pm)			
3	Nature mimicry for design idea generation	Dr. P. B. Kushare Professor, KKWIEER, Nashik	1.30.00pm to 2.30pm

All participants will be issued e-certificate of participation provided that participant attend all sessions.
Join through go-to-webinar using following link
<https://attendee.gotowebinar.com/register/2047958468229601292>

Co-ordinators Conveners
Mr. R D Rakhade Dr. P B Kushare Prof. M B Murugkar Dr. K. N. Nandurkar
Mr. A D Bhagure Dr. S D Barahate HOD, Mechanical Engg Principal



One Day Workshop on “Design and Development of Prototype”

Publication in International Journals:

Prof. S. V. Kadbhane published a paper entitled “Numerical Analysis on Convective Heat Transfer Enhancement by Using Ferrofluid” in International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN 2321- 9653, Vol. 9, Issue VI Jun 2021.

Prof. R. D. Rakhade published a paper entitled “Optimal Choice of Agricultural Drone using MADM Methods” in International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) ISSN 2455-2585, Vol. 7, Issue 4, April 2021.

Publication in Conference:

Prof. A. S. Patil published a paper entitled “Effect of laser textured dimples on tribological behavior of piston ring and cylinder liner contact at varying load” in Elsevier, Materials Today: Proceedings is a companion journal to Materials Today, ISSN: 2214-7853, Volume 44, Part 1, 2021, Pages 1005- 1020.

Prof. V. V. Khond published a paper entitled “Vibration Control of structures uses Smart Composites” in 62nd National Convention on “Role of Industrial Engineering: Tools & Techniques to Mitigate Global Effect of COVID19 pandemic” 29-20 Jan 2021(IIE, Mumbai, Chapter)

Achievements:

Student:

Team “Brahmastra Racing” has participated in “BAJA SAE INDIA 2021” Virtual Preliminary round organized by Society of Automotive Engineers India & Mahindra, On 13th Dec 2020.

Topic of Presentation:

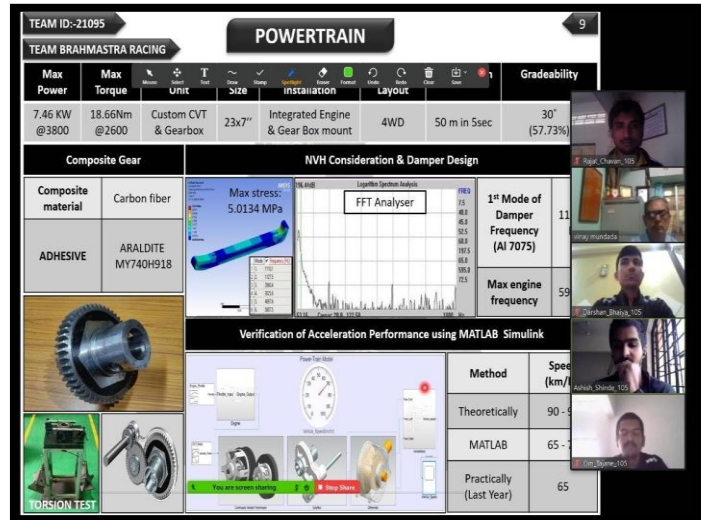
Present the 2021 Vehicle’s proposed design

Result:

Presentation Score: 32.4/50

Quiz Score: 41/50 (AIR 4)

Overall Score: 76.8/100 (AIR 20)



Team “Brahmastra Racing” has participated in “BAJA SAE INDIA 2021” online competition organized by Society of Automotive Engineers India & Mahindra, from 22nd to 25th April 2021.

Following prizes are won by the team:

Events	Rank
Maneuverability	5
Brakes	18
Manufacturing	13
All terrain	9
Overall dynamic	11
Event overall	11

