

Mechanical screw

MECHANICAL DEPARTMENT
NEWSLETTER

Vol.X, 01 Nov 2022

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Inside.....

Teacher day celebration
Parents Meet
Tree Plantation

From HOD's Desk



Yoga day Arranged by the MESA Students

22 June 2021, Pune: Mechanical Engineering Department celebrates a Yoga day on 21 June 2021. Teachers day function was organized by the MESA (Mechanical Engineering Students Association), Chief Guest of the event is Hon. Principal Prof. S.S. Kande. The program has started with the felicitation of Respected Principal sir and all respective Professors of Mechanical Department. The event has successfully been done by the motivational speech of S.S. Kande and Mrs. P.S. Mitkari H.O.D. of Mechanical department.

It's with great pride and immense pleasure, that I am HOD of BSCOER Mechanical Dept, the new year issue of the Newsletter that has an interesting topic "Educational Institutes-are they churning centers for lucrative student's careers" as the theme.

TSSM's

Bhivarabai Sawant College of Engineering and Research Polytechnic, Narhe, Pune

Mechanical Engineering Department

VISION:

Produce comprehensively trained socially responsible, invitive mechanical engineers to contribute to the techno-economic development.

MISSION:

1. Provide sound technical foundation in Mechanical Engineering through comprehensive curriculum and application-oriented learning.
2. Provide ambience for professional growth and lifelong learning for adapting to challenges in rapidly changing technology.
- 3.

PEO's

1. Provide socially responsible, environment friendly solutions to Mechanical engineering Related broad-based problems adapting professional ethics.
2. Adapt state-of-the-art Mechanical engineering broad-based technologies to work in Multi-disciplinary work environments.
3. Solve broad-based problems individually and as a team member communicating Effectively in the world of work.



After completion of the guest speech students share their experience in Mechanical Department of BSCOER Narhe.

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*TSSM's
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Engineering and Research
Polytechnic, Narhe, Pune*

Women Day Conducted in Mechanical Engineering Department of BSCOER Polytechnic, Narhe, Pune

Women day Arranged by the MESA Students

9 March 2021, Pune: Mechanical Engineering Department celebrates a women day on 9 March 2021. Women day function was organized by the MESA (Mechanical Engineering Students Assosiation), Chief Guest of the event is Hon. Principal Prof. S.S. Kande. The program has Start with the felicitation of Respected Principal sir and all respective Professors of Mechanical Department. The event has successfully done by the motivational speech of S.S. Kande and Mrs. P S Metkari H.O.D. of Mechanical department.



Tree Plantation Programm Organised by MESA in TSSM'sBSCOER Polytechnic Narhe, Pune

Tree Plantation Arranged by the MESA Students

27 July 2021, Pune: Mechanical Engineering Department celebrates a Tree Plantation on 9 March 2021. Tree Plantation function was organized by the MESA (Mechanical Engineering Students Assosiation), Chief Guest of the event is Hon. Principal Prof. S.S. Kande. The program has Start with the felicitation of Respected Principal sir and all respective Professors of Mechanical Department. The event has successfully done by the motivational speech of S.S. Kande and Mrs. P S Metkari t H.O.D. of Mechanical department.



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Health Awareness camp for mechanical engineering staff:-

9 March 2021, Pune: Mechanical Engineering Department organized a health camp on 9 March 2021. *Health is Awareness camp* was organized by the MESA (Mechanical Engineering Students Assosiation), Chief Guest of the event is Hon. Principal Prof. S.S. Kande. The program has Start with the felicitation of Respected Principal sir and all respective Professors of Mechanical Department. The event has successfully done by the motivational speech of S.S. Kande and Mrs. P S Metkari H.O.D. of Mechanical department.



Teacher day Arranged by the MESA Students

September 06, Pune: Mechanical Engineering Department celebrates a teachers day on 5th sep 2018. Teachers day function was organized by the MESA (Mechanical Engineering Students Assosiation), Chief Guest of the event is Hon. Principal Prof. S.S. Kande. The program has Start with the felicitation of Respected Principal sir and all respective Professors of Mechanical Department. The event has successfully done by the motivational speech of S.S. Kande and Mr. S S Hiremath H.O.D. of Mechanical department.



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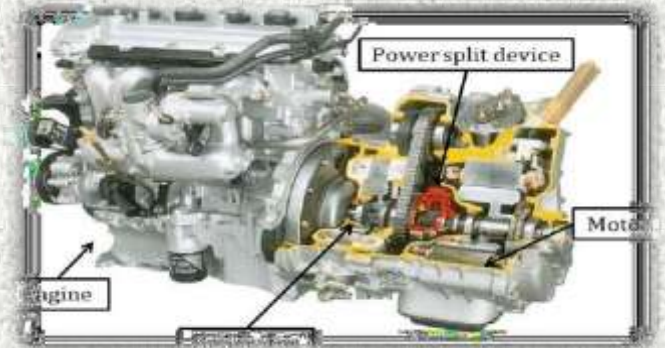
Toyota Prius II hybrid powertrain

Toyota Prius II hybrid powertrain (Courtesy of Toyota Motor Co.) To be employed in electric and hybrid vehicles, a variety of electric motors are developed in recent years. More than 100 different electric motors can be found in modern vehicles. Most common types of electric motors available in the market are DC motors, multi-phase AC induction motors, permanent magnet (PM) synchronous motors (or brushless AC motors), switched reluctance (SR) motors and brushless direct current (BLDC) motors (Hashem Nia & Asaei, 2008; De Santiago et al., 2012; Yildirim et al., 2014; Kumar & Jain, 2014).

The choice of electric motor type is critical. In order to compete against the fossil fuel vehicles, a FEV has to successfully satisfy the following criteria: High torque value, Minimum torque ripple control, Low speed hill climbing, Overload and fault tolerant capability, Instant acceleration, High speed



cruise, High efficiency over a wide torque-speed range, Regenerative braking system, Operational controllability, Temperature management, Evaluation of electric motors used in the vehicle industry.



Students Speak



SHEGHANE MAHADEV K.

Hello every one this is Sheghane Mahadev very happy to be selected as newsletter coordinator, being in this committee I am happy that my enter personnel skills will be developed as well as this will also help me in my personality development also my hobby related to journalism is also getting a great vogue.

Sheghane Mahadev, Student of SY Mechanical Engineering



KONDHARE SIDDHI S.

I am student of second year mechanical department it gives me immense pleasure to be selected for newsletter coordinator, where I explored my presentation and communication skills.

Kondhare siddhi, Student of SY Mechanical Engineering



KULKARNI SHUBHAM R.

I am very happy to be elected as newsletter coordinator also assures all of you that each and every progress of mechanical department will be highlighted with all of your support and motivation.

Kulkarni shubham Student of SY Mechanical Engineering