

Latest Developments in Automobile Sector

Mercedes-Benz SLC



Model	Rated power kW [hp]	Acceleration 0-100 km/h (manual/automatic) s	Top speed (manual/automatic) km/h	CO ₂ emissions NEDC combined (manual/automatic) g/km	CO ₂ efficiency class	Fuel consumption NEDC combined (manual/automatic) l/100 km
4 cylinders						
SLC 180	115 [156]	7.9/8.1	226/223	134-127/139-128	B	5.8-5.6/6.1-5.6
SLC 200	135 [184]	7.0/6.9	240/237	154-142/143-133	C/B	6.6-6.1/6.1-5.7
SLC 300	180 [245]	-/5.8	-/250	-/144-134	B	-/6.2-5.8
SLC 250 d	150 [204]	-/6.6	-/245	-/123-114	A	-/4.7-4.4
6 cylinders						
Mercedes-AMG SLC 43 ¹	270 [367]	-/4.7	-/250 ¹	-/178	D	-/7.8

¹Limited - AMG 3.0 liter V8 biturbo engine
You can find additional information about the vehicle's fuel consumption on page 63

Positioning

- » The SLC is the sporty roadster for undiminished driving pleasure. In its latest generation, the pioneer with the vario roof underscores its position as a trendsetter and technology leader.

Highlights

- » From 156 to 367 hp, the vehicle can meet all desired output levels. The SLC 250 d comes with an economical high-torque diesel engine.
- » DYNAMIC SELECT with five different driving programs.
- » Panoramic vario roof with MAGIC SKY CONTROL (glass roof with switchable transparency).
- » Innovative AIRGUIDE wind deflector.
- » Spacious, well-usable trunk.
- » Comfort features such as the LED Intelligent Light System, PARK-TRONIC (including Parking Guidance), DISTRONIC proximity control, and KEYLESS-GO.
- » Safety systems include Lane Keeping Assist, Blind Spot Assist, and the PRE-SAFE[®] system with reversible seat-belt tensioners.

Mercedes-Benz GLS



Model	Rated power kW [hp]	Acceleration 0-100 km/h (automatic transmission) s	Top speed (automatic transmission) km/h	CO ₂ emissions NEDC combined (automatic transmission) g/km	CO ₂ efficiency class	Fuel consumption NEDC combined (automatic transmission) l/100 km
4 cylinders						
GLS 350 d 4MATIC	190 [258]	7.8	222	199-185	A	7.6-7.1
GLS 400 4MATIC	245 [333]	6.6	240	218-206	B	9.4-8.9
6 cylinders						
GLS 500 4MATIC	330 [450]	5.3	250	264-250	E	11.3-10.9
Mercedes-AMG GLS 63 4MATIC ¹	430 [585]	4.6	250 ¹	288	E	12.3

¹Limited - AMG 5.5 liter V8 biturbo engine
You can find additional information about the vehicle's fuel consumption on page 72

Positioning

- » The new GLS strengthens its leading position in its segment with a revised exterior, an even higher-quality interior, and innovative technology for even better ride comfort and safety. The large-size SUV is designed for customers who want to enjoy a spacious interior for up to seven occupants as well as a modern interpretation of luxury.

Highlights

- » New and improved driver assistance systems, some of which are unmatched in the segment (e.g. the expanded Driver Assistance Package Plus).
- » Outstanding ride comfort, thanks to an innovative 9G-TRONIC automatic transmission and the AIRMATIC package with the adaptive damping system ADS PLUS, which continuously regulates the damping force for each individual wheel.
- » A noticeably different driving experience due to DYNAMIC SELECT and its up to six driving programs.
- » A stronger exterior presence and dominance as well as all-new front and rear styling.
- » An even higher quality interior with a luxurious ambience.

Rajendra Mane College of Engineering & Technology, Ambav Department Of Automobile Engineering



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NEWS LETTER

Department Vision

To mould the students into professional and competent automobile engineers, who can meet the global demands.

Department Mission

1. To prepare students for utilizing more creative thinking and inattentiveness.
2. To develop 'educational pathways' so that students can maximize on their optional career choices.
3. To inculcate integrity, honesty and team building through curricular, co-curricular activities.

Karl Friedrich Benz (November 25, 1844 – April 4, 1929) was a German engine designer and engineer, regarded as the inventor of the first automobile powered by an internal combustion engine, and together with Bertha Benz, pioneering founder of the automobile manufacturer Mercedes-Benz which is now one of the leading car brands. Benz received a patent for his work first, and, subsequently patented all the processes that made the internal combustion engine feasible for use in an automobile. In 1879, his first engine patent was granted to him, and in 1886, Benz was granted a patent for his first automobile. In 1895, Benz designed the first truck in history, with some of the units later modified by the first motor bus company: the *Netphener*, becoming the first motor buses in history. In 1896, Karl Benz was granted a patent for his design of the first **flat engine**. Benz began to sell the vehicle (advertising it as the Benz Patent Motorwagen) in the late summer of 1888, making it the first commercially available automobile in history.



Achievements

Students' Achievements

Students of Automobile & Mechanical have successfully participated in Student's Formula Racing Championship at Noida & Go-Karting competition held at Coimbatore in the month of Feb 2016.

Students of Automobile Engineering participated in football tournament at SVJCT, Sawarde and won the 3rd place.

Faculty Achievements

Prof. Yadav A. P. has completed M. E. in Thermal Engineering.

Prof. Mane P. L. has completed M. E. in Design Engineering

Paper Publications

Prof. Rajopadhye R. D. published a paper on 'Implementation of alternative braking system in case of Brake Failure Situation' in the 'International Journal of Research in Advent Technology' Vol.4, No. 5. E-ISSN: 2321-9637 in May 2016

Workshops

Prof. Surve S. S. attended a workshop on 'Education Technology for Engineering Teacher' at Indian Institute of Technology Mumbai from 07 Jan. 2016 to 07 Mar. 2016

Events & Activities

In association with Superintendent of Police office, Road Transport Office and Collector Office Ratnagiri, Autotrendz organized Street Play on 'Road Safety' to celebrate 26th Road Safety Week.



Automobile Department organized seminar on "career opportunities in automobile industry" by the sales team leader of Volkswagen Pune.

To celebrate Worldwide Automobile Day, Autotrendz organized Sports Bike Show in association with the Riders of Amazing Ratnagiri ROAR Group.



Winners are not the people who never fail, but the people who never quit.

Creative Section

Engineering

Engineering is not just studying,
It is a blend of many more things.

It's about those 8 hours in lectures,
Both attended seriously & bunked.

It's about spending whole nights,
For Assignments & submissions.

It's about those end-less chats,
On various topics in hostel rooms.

It's about meeting those loved ones,
Whom we wish to spend the life with.

It's about the journey,
From first year to the last.

It's the heap of memories,
Those are unforgettable part of life.

- Joshi Manas U.



At the End of Every Light, there's a
Tunnel of Darkness.
- Shitut Chinmay C.



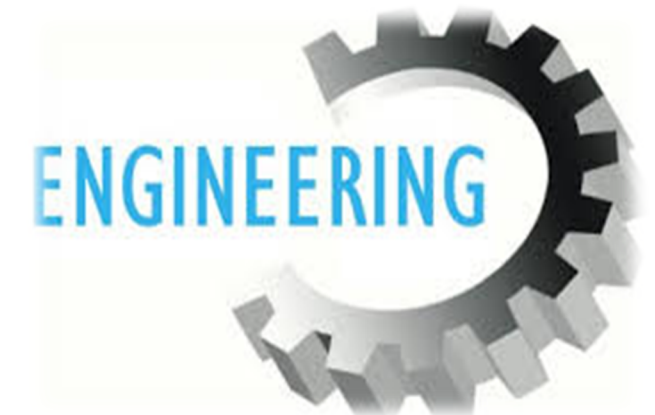
The Ups and Downs of Life can't
stop me from going ahead.
- Nagwekar Maitreya M.



Green and Serene
-Awasare Rupesh I.



Together Forever...
- Joshi Manas U.



The pessimist sees difficulty in every opportunity; the optimist sees opportunity in every difficulty.

- Winston Churchill