

## Workshop Overview:

EMC (Electromagnetic Compatibility) compliance is an important aspect for today's automobiles from road safety point of view. The electronic in vehicles is rapidly increasing and critical vehicle control functions such as powertrain, braking, steering and numerous safety functions are handled by electronics.

Many of the modern vehicles have more than 100 ECUs and managing the increasing electronics complexity without error is a challenge for engineers. With lot of active electronics, signals, wiring harnesses, mobile towers & high tension electrical lines, the chances of interference and signal getting altered or corrupted is too high. And here, the role of EMI/ EMC comes into picture.

To overcome these challenges, ARAI invites you to join this program to give an in-sight of Vehicle EMC.

**For registration, please mail to [training.pga@araiindia.com](mailto:training.pga@araiindia.com)**

**EV Awareness Programme supported by:**



**19th – 20th July 21**  
Online Platform MS  
Teams

**02 days  
06 hours**

**First  
come  
first  
Serve!**

## Registration Fees :



Pricing Category	Registration fees per person (incl. 18% GST)
Industry Professionals/ Teaching Faculty	Rs. 3000 + Rs. 540 = Rs. 3540
College Students	Rs. 2250 + Rs. 405 = Rs. 2655

Participants from organization in SEZ must confirm the applicability for GST before making the payment.  
**10% discount, if 5 or more delegates are registered from the same organization**

Schedule on 19th & 20th July 2021 via MS Teams Online Platform

Sr.	Session	Date	Day	Time
	Inauguration & Welcome Address	19-Jul-21	Monday	10:00-10:15
1	Introduction to Electromagnetic Interference and Compatibility	19-Jul-21	Monday	10:15-11:00
2	EMC- Emission Part-RE, Magnetic Emissions (V/I), CTE –EMC Design Validation Plan(DVPR)	19-Jul-21	Monday	11:00-11.45
3	EMC- Immunity Part-RI,CI, BCI, Stripline, TEM, Design Validation Plan (DVPR)	19-Jul-21	Monday	11.45-12.30
4	EMC- Immunity Part-Magnetic Immunity, Handy Transmitter, ESD, Design Validation Plan(DVPR)	19-Jul-21	Monday	12.30-13.15
5	International Regulations for Vehicle EMC	20-Jul-21	Tuesday	10:00-10:45
6	Vehicle EMC-CMVR Requirements	20-Jul-21	Tuesday	10:45-11:30
7	EMC for Electric Vehicles	20-Jul-21	Tuesday	11:30-12.15
8	Wireless device EMC requirements & EMC for Non-Automotive Products	20-Jul-21	Tuesday	12.15-13.00
	Feedback & Assessment Test	20-Jul-21	Tuesday	15.00-15.30
	Valedictory Session & Declaration of Toppers	20-Jul-21	Tuesday	16:00-16:30

**Mr. N. R. Shimpi / Mr. N. A. Deshmukh /Mr. R. M. Patil**

**Phone: 02135-630795/91/90 or 02135-396695/91/90**

**Email: [training.pga@araiindia.com](mailto:training.pga@araiindia.com); [tc.pga@araiindia.com](mailto:tc.pga@araiindia.com);**

**[nadeshmukh.pga@araiindia.com](mailto:nadeshmukh.pga@araiindia.com); [patil.pga@araiindia.com](mailto:patil.pga@araiindia.com)**

**Website: [www.araiindia.com](http://www.araiindia.com); [academy.araiindia.com](http://academy.araiindia.com); [emobility.araiindia.com](http://emobility.araiindia.com)**

**Candidates with more than 50 % marks in the assessment test and 75% attendance are eligible for the certificate.**

**Note: ARAI reserves the right to change the dates, contents, schedule, etc. for the programme without any notice.**

**No recordings of the training session will be provided . Hence, request to attend all the sessions.**