





Recourse Person Sri. H N Seetharam delivering his session in workshop



Recourse Person Dr. RMVGK Rao addressing the participants in Technical Talk





Domain experts in GTTC explaining their Technologies



Session by the expert from Yuken India limited

# Prospects of Light Alloys and Composites for Automotive and Aerospace Applications

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## Metal Matrix Composites and Functionally Graded Materials



- Processing technologies for Aluminum and Magnesium matrix composites.
- Functionally graded metal- ceramic composites for engineering applications.
- Materials and Engineering component development in collaboration with user industries - Cylinder sleeves, brake rotors, piston, bearings and connecting rods for automotive, low CTE composites for space, armour materials, gear housing and piston ring for defence, neutron absorbing composites for nuclear applications.



Al-graphite MMC



Al-SiC MMC Connecting Rods



Al FGM Components



Al-SiC FGMMC Brake Rotor



Al-SiC gear housing



Z124 Al-SiC armour material



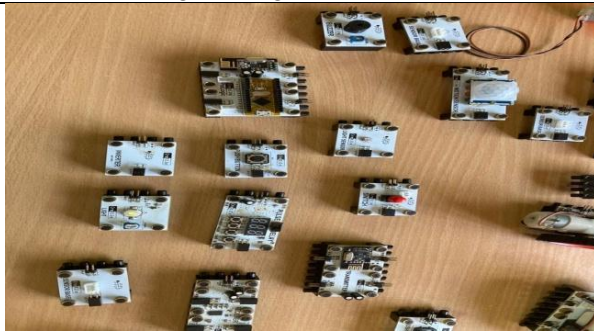
## Workshop on “Robotics”



Welcoming the Dignitaries on to the Dias



Participants in the session



Different Control Units



Facilitating the Experts