



**One-Day Seminar on
Automotive Embedded Systems(AES)**

By

Ayan Bhattacharya

R&D Engineer

Mercedes Benz Research and Development India [MBRDI]

February 26, 2021 (Saturday)

Venue: New Seminar Hall # T-5-8, 4th Floor, Dept. of ETCE, JU

The Department of Electronics & Telecommunication Engineering (ETCE), Jadavpur University (JU), Kolkata– 700 032, West Bengal was established in the Year 1957 with Prof. Jnan Saran Chatterjee as the Founder Head. The Department has celebrated its Diamond Jubilee Year (1957-2016) in 2016. At present, the Department is offering a Four Year - Bachelor of Engg., Three Master's and Ph.D. Degree Programmes. The One-Day Seminar on Automotive Embedded Systems scheduled for Feb. 26, 2022 is an endeavor by the Department as an Extension Lecture by External Resource Person in order to make the students aware of the most recent trends in Automotive Embedded Systems (AES).

As per the NIRF India Ranking 2021, Jadavpur University is placed “8th” in University Category, “17th” in Research, and “14th” in Overall category. The Faculty of Engg. & Tech. (FET) of JU is placed “17th” in Engineering Category.

Registration Fee: NIL

Registration: Participation by Pre-Registration only; NO SPOT REGISTRATION; Pre-Registration Cut-off: **February 24, 2017**; Seats are limited to 30 Participants only on First Come First Serve Basis for Faculty Members, Masters' Students & Ph.D. Scholars, Third Year and Final Year B.E./B.Tech Students. Limited Second year B.E./ B.Tech students may also be allowed with appropriate background knowledge on Digital Electronics & Microprocessors. **For Pre-Registration**, Please refer to the Registration Form for details.

Organizing Committee: Chief Patron: Prof. Suranjan Das, VC – JU;
Patrons: Prof. Chiranjib Bhattacharjee and Prof. Samantak Das, Pro-VCs, JU;
Advisor (Finance): Mr. G. K. Pattanayak, Finance Officer, JU;
Convener: Prof. Ananda Shankar Chowdhury, Head, Dept. of ETCE, JU;
Co-ordinator : Prof. P. Venkateswaran, Dept. of ETCE, JU;
Joint Co-ordinators: Dr. Chandrima Mondal, Dr. Pratyusha Rakshit, &
Dr. Jaydeb Bhaumik, Dept. of ETCE, JU.

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(TO BE CONDUCTED IN PHYSICAL MODE)

Date	10.45-11.30	11.30-12.30	13.30-14.30	14.30-15.30	15.30-16.30
Feb. 26, 2022 (Sat). [Pre-Registration Confirmation: 9.45am – 10.30am, Inauguration: 10.30am – 10.45am]	Campus to Industry: An Overview <i>(AES market and required skills)</i>	Introduction to Automotive System <i>(Need and Importance of Automotive Electronics)</i>	Communication Protocols : An Overview <i>(UART, SPI, I2C, and CAN Protocols)</i> Moderator: Prof. P. Venkateswaran	Application of Embedded Systems in Modern Cars : Case Studies <i>(AntiLock Braking Systems – ABS, Airbag and Vehicle Proximity Detection System, Electronic Ignition System and some other important Electronic Control Units – ECU)</i>	Open Forum Discussion Moderator: Dr. C. Mondal

Speaker Bio: Mr. Ayan Bhattacharya has completed his M.Tech in VLSI Design and Microelectronics Technology (Gold Medalist) from the Dept. of Electronics & Telecomm. Engg., Jadavpur University, Kolkata in June 2019. He has been with the Mercedes Benz Research and Development India (MBRDI) as an R&D Engineer since Aug. 2019. He is the recipient of the Innovation Award MBRDI 2020.

REGISTRATION FORM

1. Name of the Candidate: Mr. / Mrs. / Ms. _____
2. Indicate: Male / Female
3. Category: (a) (i) Indicate: Faculty Member / Ph.D. Scholar / Masters' Student [I / II / III Year]
(ii) Name of the Highest Degree Qualification: _____
(b) Indicate: Final Year / Third Year / Second Year B.E. / B.Tech. Student
4. Designation and Address of the Dept. and Institute:

- 5 a) Contact email ID: _____
b) Contact Cell #: _____

DECLARATION: I hereby declare that the information provided above are correct.

(Candidate's Signature with Date)

Internal Candidates: Please contact the Convener / Coordinator / Joint Coordinators of the Programme with the duly filled-in and signed Registration Form.

External Candidates:

[contact: p.venkateswaran@jadavpuruniversity.in (033) 2457 2786 (O)
cc: chandrima.mondal@jadavpuruniversity.in (033) 24572809 (O)]