



APS COLLEGE OF ENGINEERING

Anantha Gnana Gongothri Campus,
Somanahalli, Kanakapura Road, Bengaluru – 5600082

Department of Electronics & Communication Engineering



Department Activities for the Academic Year: 2025-2026

Sl No	Date	Activity Name	Resource Person with Affiliation	Audience
1	18/08/2025	Workshop on “Embedded Systems, IoT & Firebase Integration with Arduino & ESP866 with Insight of 3D Printing”.	SPHERENEX, Innovation Labs, JP Nagar, Bengaluru.	Students of 5 th and 7 th Semester
2	29/08/2025 and 29/08/2025	Workshop on “Ki-Cad Software”.	Dr. Krushitha Shetty, Department of CSE, APS College of Engineering, Bengaluru	Students of 7 th Semester
3	17/09/2025	Guest Lecture On “Future-Ready Engineers: Shaping Careers with Confidence”	Dr. Mahesh Kumar N, Global Academy of Technology, Bengaluru	ECE staff and Students of all Semesters
4	27/09/2025	Workshop on “Job Ready: VLSI Engineers”.	Maven Silicon, Bengaluru	Students of 5 th and 7 th Semester
5	11/10/25	Add-On Courses	Prof. Chandra Sekhar S & Prof. Gururaj Karanam	Students of 5 th and 7 th semester
6	28/10/2025	Industrial Visit “E-Mudhra Pvt. Ltd.”, Bengaluru.	Bengaluru Tech Summit,	Students of 7 th Semester
7	17/11/2025	Alumni Interaction on “Kirana to Cloud: The digital Transformation of Indian’s Retail”	Ms. Deepthi G V, Program Head-Growth Big Basket, Bengaluru.	Students of 7 th Semester

Sl. No.	Program
1	A workshop on “Embedded Systems, IoT & Firebase Integration with Arduino & ESP8266 with insight into 3D Printing” was organized by the Department of ECE, APS College of Engineering on 18-08-2025 in collaboration with SPHERENEX Innovation Labs. Conducted in the Srinivasan Ramanujan Lab for 7th semester (morning) and 5th semester (afternoon) students, the session covered Arduino Uno, Arduino IDE, digital and analog sensors, OLED display interfacing, servo motor control, ESP8266, and a 3D printing demonstration. The workshop provided practical exposure to embedded systems, IoT integration, and modern prototyping tools.    

- 2 **A two-day workshop on PCB Design using Ki-Cad Software** was conducted for VII Semester ECE students from **28-08-2025 to 30-08-2025** in the Department of ECE, APS College of Engineering, by **Dr. Krushitha Shetty, Associate Professor, ISE**. Students were introduced to the open-source Ki-Cad platform for schematic design, PCB layout, manufacturing file generation, 3D visualization, and SPICE simulation, gaining hands-on experience in circuit design and PCB workflows, thereby enhancing practical skills in industry-relevant electronic design.



- 3 An **Interaction Program** was conducted by the **Department of ECE** under the forum **“Electronika”** on **17 September 2025** for ECE students. **Dr. Mahesh Kumar N**, Associate Professor, ISE, Global Academy of Technology, Bengaluru, delivered a session on **“Future-Ready Engineers: Shaping Careers with Confidence,”** focusing on upgrading technical and professional skills and highlighting career opportunities in the **semiconductor industry**, motivating students toward industry readiness and career development.



4. **An industrial workshop on VLSI & Embedded Systems** was conducted by **Maven Silicon, Bengaluru on 27 September 2025** for 5th and 7th semester ECE students of APS College of Engineering. The session covered **RTL/SoC/IP design, verification (UVM, SVA), Physical Design, STA, DFT, SoC/FPGA validation, embedded systems, and RISC-V** processor design, along with industry-focused training pathways, enhancing students' understanding of semiconductor practices, career opportunities, and VLSI skills.



5. **Add-on Course on Introduction to VLSI: Domain, Scope and Career Roadmap** was organized by the Department of Electronics and Communication Engineering on **11/10/25** by **Prof. Karanam Gururaj** to provide students with an overview of VLSI fundamentals, IC design flow, and their relevance in modern electronic systems. The course created awareness about career opportunities in the VLSI and semiconductor industry and guided students in identifying suitable skills and career pathways in core ECE domains.



6. **An industrial visit to eMudhra Pvt. Ltd., Bengaluru** was held on **28 October 2025** for 7th semester ECE students of APS College of Engineering, providing exposure to **cyber security and digital trust technologies**. Students gained insights into **encryption, digital signatures, eKYC, SSL, secure authentication, and certification processes**, while also learning about **innovation trends, industry interaction, and emerging technology domains**, enhancing awareness of technology ecosystems and career opportunities.



- 7 An **Alumni Interaction Session** was conducted by the Department of ECE under “**Electronika**” on 17 November 2025. **Ms. Deepathi G V**, alumna (2014 batch) and **Program Head – Growth, BigBasket, Bengaluru**, spoke on “**Kirana to Cloud: The Digital Transformation of Indian Retail,**” emphasizing personality development, industry-ready skills, and career opportunities in the retail and digital commerce sector.



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