Header Information

- Institution: K.S. School of Engineering and Management

- Parent Organization: Kammavari Sangham (R) 1952, K. S. Group of Institutions

- Location: No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109

- Contact: +919900710055

- Affiliations:

    o Affiliated to VTU, Belagavi

    o Approved by AICTE, New Delhi

    o Accredited by NAAC

Current Announcements

- Admission Notice: Registrations Open for Academic Year 2025-2026

- Admission Contact: 9900710055

Department Focus

Electronics and Communication Engineering (ECE) Department

Vision

To emerge as a pioneer in the field of Electronics and Communication Engineering, through excellence in technical education and research.

Program Overview

- Focus areas: Digital electronics, signal processing, telecommunications, microelectronics, embedded systems, wireless communication

- Curriculum includes theoretical coursework and practical experiences

- Career paths: Electronics engineer, communication systems engineer, network designer, embedded systems developer, RF engineer

Latest News

1. Day-2: Rural Outreach Program (13 September 2025)

   o Tech-Venture program at Agara Government School

   o For students of standards 8-10

2. Bangalore Technology Conclave (12 September 2025)

   o Organized by IEEE Bangalore Section

3. Technical Talk (11 September 2025)

   o Collaboration with CSBS, AI & DS, CSE departments and Leo Vishwa Yuvashakti Club

   o Charter sheet handed over to KSSEM

4.

5. Industrial Visit to LEOS, ISRO Center (3 September 2025)

   o For final year students

6. National Student Workshop (2 September 2025)

   o Topic: Internet Engineering

7. Seminar on Career Opportunities (2 September 2025)

   o Speaker: Prof. Vijaylakshmi Venugopalan, HOD English, T.I.M.E, Bangalore

   o For pre-final year students

8. Rural Outreach Program Day 1 (30 August 2025)

   o At Agara Government School for standards 1-7

9. LEO Club Installation Ceremony (18 August 2025)

   o President: Leo SaiKiran Gowda

10. 3-Day Training Program

   o Topic: "Exploring the CST Studio Suite for Antenna Modeling"

   o In association with BEACON Bangalore

11. Two Day Workshop (17-18 May 2025)

   o Topic: "Introduction to Sensors"

- o For 2nd year students

Upcoming Events

12. State Level Hackathon BOTQUEST 2025 (14 November 2025)

1.

- o Organized with IEEE Students Chapter & Inversa Technosoft

2. Industrial Visit (17-18 November 2025)

- o Destination: U R Rao Satellite Centre
- o For Pre-Final year students
- o Focus: Satellite and Optical Fiber Communication

3. IEEE Day Celebrations (8-11 October 2025)

Department Information

Head of Department

- Name: Dr. K Senthil Babu
- Designation: Professor & Head
- Qualifications: M.Tech, Ph.D

Department Statistics

- Faculty Members: 21
- Students: 400 (undergraduate, masters, and doctoral)
- Established: 2010

Research Areas

- RF Electronics
- Communication
- Signal Processing
- Image Processing
- VLSI

- Embedded System

- Wireless Sensor Network

Department Highlights

- Well-trained, competent faculty

- Well-equipped classrooms & laboratories

- Audio-visual teaching aids

- Dedicated student counselors

- Industry expert lectures

- Student forum: EXCELTRON

Placement Companies

Robert Bosch, Wipro, Mindtree, Infosys, Cognizant Technology

Solutions, NTT Data, HCL Technologies, TCS, Mahindra Satyam, iGate, and MSMEs

Student Testimonial

Ujwala (Passing Year 2024)

- Current Position: Patent Engineer at L S Davar & Co, Bangalore

- Praised infrastructure, faculty, facilities, and placement support

Important Links

- AICTE, VTU, IEEE, KSHEC

- National Scholarship Portal, SC

- Scholarships

- Grievance Redressal Cell, Disciplinary Measures, Committees

Group of Institutions

- KSGI, KSIT, KSSA, KS Polytechnic, KS Hospital, KS Credit Co-op Bank

Footer

op Header Section

- **College code** (link)

- **Online fee payment** (link)

- **Notification** (link)

Welcome Banner

"Welcome to K.S. School of Engineering and Management, Admission Registrations Open for the Academic Year 2025-2026. For Admissions contact 9900710055."

Institution Header

- **Parent Organization**: Kammavari Sangham (R) 1952, K. S. Group of Institutions

- **Institution Name**: K. S. SCHOOL OF ENGINEERING & MANAGEMENT

- **Address**: No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109

- **Phone**: +919900710055

- **Affiliations & Accreditations**:

  o Affiliated to VTU, Belagavi

  o Approved by AICTE, New Delhi

  o Accredited by NAAC

- **Admission Enquiry** (button)

- **MENU** (navigation)

Announcement Section

"Announcement |"

Department Welcome Section

"Welcome to ECE Department"

Welcome Message

"Welcome to the Department of Electronics and Communication Engineering"

Welcome to the Department of Electronics and Communication Engineering, where we combine cutting-edge technology with innovative engineering principles to shape the future of communication systems.

Program Description

The Electronics and Communication Engineering program focuses on the design, development, and application of electronic systems and communication networks. Students will gain expertise in areas such as:

- Digital electronics
- Signal processing
- Telecommunications
- Microelectronics
- Embedded systems
- Wireless communication

The curriculum includes both theoretical coursework and practical experiences, including hands-on lab sessions, projects, and industry collaborations.

Career Opportunities

Graduates of this program are equipped to work in a wide range of industries, including:

- Telecommunications
- Electronics manufacturing
- Broadcasting
- Aerospace
- Automotive

Common career paths include roles such as:

- Electronics engineer

- Communication systems engineer

- Network designer

- Embedded systems developer

- RF engineer

With the ongoing growth in smart technologies, IoT, and 5G networks, the demand for skilled professionals in this field continues to rise.

Vision and Mission Section

VISION

To emerge as a pioneer in the field of Electronics and Communication Engineering, through excellence in technical education and research.

MISSION

(Section header present but content not shown in page text)

The Latest at ECE

Latest News

1. **Bangalore Technology Conclave on 12 September 2025**

   o The Department of Electronics and Communication Engineering, in association with the KSSEM IEEE Student Branch, actively participated in the "Bangalore Technology Conclave" organized

echnical Talk_ Leo Vishwa Yuvashakti KSSEM_11-9-2025

- Department of Electronics and Communication Engineering in collaboration with Department of CSBS, AI & DS, CSE and Leo Vishwa Yuvashakti Club of KSSEM successfully organized a Technical Talk on 11th September 2025 at Aryabhata Seminar Hall, KS School of Engineering and Management. The Charter sheet was handed over to KSSEM as official recognition to Leo Vishwa Yuvashakti Club of KSSEM.

- **Industrial Visit**

   o Department of ECE in association with IEEE student Branch conducted an Industrial visit to LEOS, ISRO Center on 3 September 2025 for Final year students.

- o View Image (link)

-

- **National Student Workshop on 2 September 2025**

  - o The Department of Electronics and Communication Engineering, in association with the KSSEM IEEE Student Branch, actively participated in the "National Students Workshop" on Internet Engineering held on 2nd September 2025.

  - o View Image (link)

Upcoming Events

1. **Industrial Visit on 17 and 18 of November 2025**

   - o Department of ECE in association with IEEE KSSEM student branch is organising an Industrial Visit to U R Rao Satellite Centre on 17th and 18th of November 2025 for Pre-Final year Students to explore and bridge the gap between Theory and Practice in Satellite and Optical Fiber Communication.

2. **State Level Hackathon BOTQUEST 2025**

3.

   - o Department of ECE in association with IEEE Students Chapter & Inversa Technosoft organizing State Level Hackathon BOTQUEST 2025 on 14-11-2025.

   - o View Image (link)

4. **IEEE Day celebrations from 8th October to 11th October 2025**

   - o Department of ECE in association with IEEE student branch is celebrating IEEE Day from 8th October to 11th October 2025.

   - o View Image (link)

5. **State Level Hackathon BOTQUEST 2025** (duplicate listing)

   1.

   - o Department of ECE in association with IEEE Students Chapter & Inversa Technosoft organizing State Level Hackathon BOTQUEST 2025 on 14-11-2025.

   - o View Image (link)

Department Navigation Menu

- PROFILE
- PO, PEO & PSO
- R & D
- PROFESSIONAL BODIES
- TEACHING AND LEARNING
- TIME TABLE
- SYLLABUS
- NEWS LETTER
- FACULTY
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- STUDENT CLUB
- INTERNSHIPS & PROJECTS
- INDUSTRIAL VISIT
- EVENTS
- E-RESOURCES
- PROJECT EXHIBITION
- MOUS SIGNED
- NBA
- SOCIAL ACTIVITIES

- OTHER DETAILS

Program Outcomes Section

PROGRAM OUTCOMES

PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and engg. specialization to the solution of complex engineering problems.

PO2. Problem analysis: Identify, formulate, research literature, and analyze engineering problems to arrive at substantiated conclusions using first principles of mathematics, natural, and engineering sciences.

PO3. Design/development of solutions: Design solutions for complex engineering problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations

PO4. Conduct investigations of complex problems: Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.

PO10. Communication: Communicate effectively with the engineering community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations, and give and receive clear instructions.

PO11. Project management and finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Excel in professional career by acquiring domain knowledge.

PEO2: Motivation to pursue higher Education and research by adopting technological innovations by continuous learning through professional bodies and clubs.

PEO3: To inculcate effective communication skills, team work, ethics and leadership qualities.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Be able to acquire knowledge and apply concepts in the field of engineering and interdisciplinary subjects.

PSO2: Be able to identify the existing problems, effectively utilize tools to provide solution, and disseminate the information.

Placements Section

Placements for Electronics & Communication Engineering at KSSEM

"Our alumni thrive in renowned companies, driving innovation and excellence"

Testimonials Section

Testimonials

"Heartfelt words from our students"

Student Testimonial - Nikitha.C M

Infrastructure: The college has all necessary infrastructure facilities. The digital classrooms provide a better learning experience. The hostels have 24/7 WIFI and the

entire infrastructure is well maintained. The entire college is clean and food is very hygienic.

Academics: I have taken up electronics and communication in the college. The teaching is very good. The teachers make sure the concepts are well explained and give proper guidance to anyone who is facing any trouble. Overall making us job-ready.

Placements: The placements have been exceptional. Several students got selected in many companies last batch and the others have also been placed in good companies. The job opportunities provided cater to the growth of an individual and a variety of companies take part in placements.

Campus Life: Campus life is well balanced, There is a cultural fest that happens every year called AROHANA generally during the earlier days of the even sem, Ethnic day happens a few days before that. The auditorium of our college is extremely huge and is a place where several club activities take place. The teachers and staff are highly supportive and friendly. Each student is assigned to a proctor this system enables one on one attention on each student. The location is safe and the connectivity is good.
Anything Else: Overall KSSEM is a well-established college and is always fun to be in the campus. You get to learn many of the things other than the main stream because of the courses offered by the college I did my internship at TECHNOLOGICS, Bangalore. Based on embedded systems and IOT I got placed in 2 companies. At NTT DATA as Information Technology senior associate and At GLOBAL QUEST as software developer with the very good package. I am very glad placement cell of KSSEM provide a great opportunities.

Name: Nikitha.C M

Footer Section

Important Links (link icon)

- AICTE

- VTU

- IEEE

- KSHEC

Student Welfare (support icon)

- Grievance Redressal Cell

- Disciplinary Measures

- Committees

- Disclaimer & Privacy Policy

Quick Links (share icon)

- Careers

- Online Fee Payment

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- Accreditation & Approvals

- Login

Scholarship (school icon)

- National Scholarship Portal

- SC Scholarships

Group of Institutions (handshake icon)

- KSGI

- KSIT

- KSSA

- KS Polytechnic

- KS Hospital

- KS Credit Co-op Bank

Social Links (public icon)

(Links present but not specified)

Visitors Counter (touch_app icon)

820384

Copyright Footer

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Faculty Details

Teaching Faculty

1. **Dr. K Senthil Babu**

   - Designation: Prof & Head
   - Qualification: PH.D

2. **Dr. Girish V Attimarad**

   - Designation: Professor
   - Qualification: PH.D

3. **Dr. Manu D K**

   - Designation: Associate Professor
   - Qualification: PH.D

4. **Dr. Arun Kumar M**

   - Designation: Associate Professor

5.

   - Qualification: PH.D

6. **Dr. Kishore M**

   - Designation: Associate Professor
   - Qualification: PH.D

7. **Dr. Renuka.V.Tali**

   - Designation: Associate Professor
   - Qualification: PH.D

8. **Dr. Gopalakrishna Murthy C R**

   - Designation: Associate Professor

- Qualification: PH.D

9. **Mrs. Manjula B G**

10.

- Designation: Associate Professor

- Qualification: M.Tech

11. **Mr. Ravikiran B A**

- Designation: Assistant Professor

- Qualification: M.S

12. **Mr. Syed Waseem Tabraiz**

- Designation: Assistant Professor

- Qualification: M.Tech

13. **Mrs. Reena Kulkarni**

- Designation: Assistant Professor

- Qualification: M.Tech

14. **Dr. Dileep J**

- Designation: Assistant Professor

- Qualification: PH.D

15. **Mrs. Swati Sarkar**

- Designation: Assistant Professor

- Qualification: M.Tech

16. **Mrs. Hemapriya M**

- Designation: Assistant Professor

- Qualification: M.Tech

17. **Mrs. Tejaswini G V**

- Designation: Assistant Professor

- Qualification: M.Tech

18. **Mrs. Deepa R Bhangi**

   o   Designation: Assistant Professor

   o   Qualification: M.Tech

19. **Mrs. Bhargavi V S**

   o   Designation: Assistant Professor

   o   Qualification: M.Tech

20. **Ms. Muskaan Huda R.**

   o   Designation: Assistant Professor

   o   Qualification: M.Tech

21. **Mrs. Yeshwini V**

   o   Designation: Assistant Professor

   o   Qualification: M.Tech

22. **Mr. Santhosh H S**

23.

   o   Designation: Assistant Professor

   o   Qualification: M.Tech

24. **Mrs. Shilpa A S**

   o   Designation: Assistant Professor

   o   Qualification: M.Tech

25. **Mrs. Mamatha N**

   o   Designation: Assistant Professor

   o   Qualification: M.Tech

26. **Mrs. Supriya V**

   o   Designation: Assistant Professor

   o   Qualification: M.Tech

Other Faculty

24. **Mr. Sanjay Baburao Nayak**

- Designation: Faculty

- Qualification: M.E

25. **Mr. Sasindran Madhav Prabhu**

- Designation: Visiting Faculty

- Qualification: M.Tech, PGDM

Supporting Faculty

1. **Mr. Raju K**
   - Designation: Foreman
   - Qualification: M.Tech (Phd)

2. **Ravikumar B**
   - Designation: Instructor
   - Qualification: ITI

3. **Ashwini S**
   - Designation: Foreman
   - Qualification: Diploma

4. **Anilkumar G P**
   - Designation: Instructor
   - Qualification: M.Tech

5. **Girish C J**
   - Designation: Instructor
   - Qualification: ITI

6. **Radhika K S**

7.
   - Designation: Lab Technician

o   Qualification: ITI

8. **Megha P**

   o   Designation: Office Assistant

   o   Qualification: Mcom

9. **Prabhakar R**

   o   Designation: Attender

   o   Qualification: SSLC

10. **Shatish H N**

   o   Designation: Attender

   o   Qualification: SSLC

11. **Ambika D**

12.

   o   Designation: Attender

   o   Qualification: SSLC

Placements

Placements for Electronics & Communication Engineering at KSSEM "Our alumni thrive in renowned companies, driving innovation and excellence"

Student Testimonial - Sadhana H C

Student Testimonial - Sadhana H C

Testimonial Text: My name is Sadhana H C having USN 1KG18EC046. I'm a student of Electronics and Communication Engineering from 2018 to 2022. My experience in this college has been amazing overall, as I entered into my first year of academics all the professors were very generous in helping me understand the concepts better and made sure to clear my doubts within the class itself. Our college has great infrastructure, labs, auditoriums, and a canteen and there is also a basketball court. Everything is very hygienic and well maintained. There is IEEE Student Branch, NSS, and Rotary Club in the college which keeps all the students involved in co-curricular activities as well. I served our IEEE Student Branch as Chairperson for a year, where we conducted a lot of events which are technical and non-technical many more every month. It helped me imbibe qualities such as leadership, voluntariness, team player, communication skills and many more. There is also special placement training that is organised by the Placement department of the college for all the students. They helped us comprehend from the very basics of aptitude to how to face the interview and soft skills with various tips and tricks. I have been placed at TATA Consultancy Services as Assistant System Engineer in Web development and Project Management with CTC of 3.36 LPA. I'm grateful to my college for always encouraging, supportive and motivating us in each step to aim high and accomplish our goals. Thank you

Name: Sadhana H C

Infrastructure and Facilities

- **Modernized Laboratories:** With state-of-the-art facilities and experienced instructors.

- **Classrooms and Seminar Halls:** Spacious, well-ventilated, with seating arrangements, projectors, and internet access.

- **Department Labs:**

  - Electronics Devices and Instrumentation Laboratory (Third Semester)

  - Digital System Design Laboratory (Third Semester)

- Microcontroller Laboratory (Fourth Semester)

- Analog Circuits Laboratory (Fourth Semester)

- Digital Signal Processing Laboratory (Fifth Semester)

- Hardware Description Language Laboratory (Fifth Semester)

- Embedded Controller Laboratory (Sixth Semester)

- Communication Laboratory (Sixth Semester)

- Computer Networks Laboratory (Seventh Semester)

- VLSI Laboratory (Seventh Semester)

The Department of Placement & Training of KSSEM with the assistance of EC department faculty coordinators facilitates logistic support to companies that visit the College for placements by assisting them in conduction of Presentation, testing, Group Discussions and Interviews. The department of Placement & Training provided job opportunities to students through On-Campus, Off-Campus, Centralized Campus, State level Placement Programme and Job-fairs etc. Placement Office also co-ordinates and helps the students to get project work , arranging in-plant training, industrial visits, projects, guest lecturers and other industry institute activity.

Internship

An internship is an opportunity offered by an employer to potential employees, called interns, to work at a firm for a fixed period of time. The interns usually will undergo internships which usually last between two to four weeks. Internships are usually part-time if offered during a university semester and full-time if offered during the vacation periods. An internship

should give the practical skills, workplace experience and greater knowledge of that industry. The Internships are more flexible and they provide an opportunity for the students take up in different companies, work in different roles and really explore an industry in depth. The Internship will also provide an opportunity to get the employment and also to understand the industrial culture

Events and Activities

- **Rural Outreach Program**:

  - **Tech-Venture-Ignite Curosity, Build Confidence, Shape Future** (Agara Government School)

  - **Dates**: Day 1 on 30 August 2025, Day 2 on 13 September 2025

- **Bangalore Technology Conclave**: 12 September 2025

- **IEEE Day Celebrations**: 8–11 October 2025

- **State Level Hackathon (BOTQUEST 2025)**: 14 November 2025

- **Industrial Visit**: 17–18 November 2025 to U R Rao Satellite Centre

- **Technical Talks and Workshops**:

  - **"Career Opportunities and Higher Studies in India and Abroad"** (2 September 2025)

  - **"Exploring the CST Studio Suite for Antenna Modeling"** (30 July 2025)

  - **"Introduction to Sensors"** (17–18 May 2025)

  - **"Pre-Silicon RTL Verification using Universal Verification Methodology (UVM)"** (25 March 2025)

-

  - **"Career Opportunities in VLSI & Embedded Systems Industry"** (24 May 2022)

- **Workshops and Training**:

  - **"Altium Designer Essentials: Mastering the Fundamentals"** (3 February 2025)

  - **"Train the Trainers Program"** (27–29 January 2025)

- o **"Antenna Modelling and Simulation using CST Studio Suite"** (6–10 January 2025)

Student Activities and Achievements

- **Placement Details**:

  - o Highest package: ~10 lakhs

  - o Companies visiting: Infosys, Wipro, Virtusa, Tata Consultancy Services, Larsen & Toubro

  - o Placement process: Begins from the 3rd year

- **Alumni Testimonials**:

  - o **Haritha**: Placed at Wipro, Infosys, Virtusa, Giant Eagle

  - o **Internship Experience**: Interned at Tequed Labs and Giant Eagle, working on AI, Machine Learning, and Automation Testing

- **Campus Life**:

- Cultural fests, project exhibitions with patent rights, and sports activities

- Infrastructure: Well-equipped with all necessary facilities