

ABOUT THE INSTITUTE

K.S.R. College of Engineering is one of the foremost multi professional research lead institutions established in the year 2001 by Aarthi Educational and Charitable Trust. KSRCE is an autonomous institution, affiliated to Anna University, accredited by NAAC with 'A++' grade and approved by AICTE. The college has come up with all essential and advanced modern infrastructure facilities to excel both in academic and research activities. The college offers 12 UG and 12 PG programmes in engineering and technology in addition to MBA, MCA and 07 Ph.D. programmes. The college is continuously recognized by several organizations, ranking agencies and magazines like NIRF, Anna University, EDU - Band Rankings, QS Ranking and other reputed journals.

ABOUT THE DEPARTMENT

The Department of ECE, established in 2001, has excelled in academics and research, offering a PG course in Communication Systems since 2010. Recognized as a research center, permanently affiliated with Anna University and accredited by NBA, the department boasts state-of-the-art laboratories, internet facilities, and a team of experienced faculty. Over the past two decades, it has significantly contributed to nation-building and technological advancement. Moving forward, the department aims to strengthen its role in IoT-driven Smart Farming, leveraging cutting-edge communication technologies to enhance agricultural productivity, sustainability, and precision farming applications.

ABOUT BIRAC

BIRAC (Biotechnology Industry Research Assistance Council) is a government-backed not-for-profit agency under the Department of Biotechnology, India, focused on empowering biotech startups and SMEs. It drives innovation by providing funding, technology support, and partnerships to develop affordable, cutting-edge biotech products that address national needs and enhance global competitiveness.

RATIONALE OF THE WEBINAR

- Address the urgent need for sustainable and efficient farming methods to meet rising food demands.
- Introduce IoT technologies as practical tools to enhance precision agriculture and resource management.
- Provide hands-on knowledge on getting started with IoT applications in agriculture.
- Demonstrate how IoT can help implement sustainable farming practices and reduce environmental impact.
- Explore advanced IoT solutions for real-time monitoring, automation, and smart decision-making in agriculture.
- Equip participants with strategic insights into the future trends and innovations in IoT-driven smart farming.

OUTCOME OF THE WEBINAR

The webinar highlights the transformative potential of IoT in agriculture, fosters knowledge exchange among key stakeholders, and opens pathways for collaborative innovation and funding. Participants gain actionable insights, networking opportunities, and a deeper understanding of sustainable, technology-driven farming practices.



BIRAC Supported

2 Day

**Webinar on IoT-Driven Smart Farming:
Unlocking Sustainable Agricultural
Growth**

27th & 28th November 2025

CO-ORDINATOR

Dr.R.Poornima

Associate Professor/ECE

CO-COORDINATOR

Mr.J.Rameshkumar

Assistant Professor/ECE

Organized by

**Department of Electronics and
Communication Engineering
K.S.R. College of Engineering**

Tiruchengode, Namakkal

Tamil Nadu-637215

OBJECTIVE OF THE WEBINAR

To encourage the integration of technology-driven approaches that increase agricultural efficiency while reducing environmental impact, aligning with BIRAC's mission to foster biotechnology innovations that contribute to societal and economic growth.

ELIGIBILITY

This Webinar is open to all Biotech entrepreneurs/Start-ups/Industry/Academia.

HOW TO APPLY

- Participants can register for the webinar through the link
- The webinar will be advertised through KSR College of Engineering website as well as through social media namely, Facebook, Twitter, LinkedIn, etc.
- No registration fee for participation.

SUCCESSFUL COMPLETION

The certificate is provided by K.S.R. College of Engineering to participants who have attended the webinar with a minimum of 80% attendance and have completed the feedback form..

IMPORTANT DATES

Last date of registration: 24/11/2025

Intimation of selection through

E-mail: 25/11/2025

CHIEF PATRON

Mr.R.Srinivasan, Chairman

K.S.R. Educational Institutions

PATRON

Dr.P.Meenakshi Devi

Principal

K.S.R. College of Engineering

CONVENER

Dr.C.Gowri Shankar

Professor & Head, ECE

K.S.R. College of Engineering

COORDINATOR

Dr.R.Poornima

Associate Professor, ECE

K.S.R. College of Engineering

Email: poornijagavi@gmail.com,9486498687

CO-COORDINATOR

Mr.J.Rameshkumar

Assistant Professor, ECE

K.S.R. College of Engineering

Email: rameshjatr@gmail.com, 8072784232

ABOUT THE WEBINAR

The webinar on IoT-Driven Smart Farming: Unlocking Sustainable Agricultural Growth, sponsored by BIRAC, offers a comprehensive exploration of how Internet of Things (IoT) technologies are revolutionizing agriculture. This webinar aims to equip participants with insights into the latest innovations and practical applications of IoT in enhancing farming efficiency, productivity, and sustainability. Through expert-led sessions, the webinar will cover various aspects of smart farming, including precision agriculture, real-time monitoring of crops and soil conditions, automated irrigation systems, and data-driven decision-making. By highlighting the potential of IoT to address challenges such as resource management, climate variability, and crop health, the webinar seeks to empower farmers, and stakeholders to adopt sustainable practices that contribute to long-term agricultural growth and food security.

RESOURCE PERSONS

The sessions of the Webinar will be conducted by the domain experts from various reputed institutions and relevant industries in India. Possible speakers for the Webinar are:

- Er.K.Ganesh Moorthy, Executive Director & CEO, MABIF, Agricultural College & Research Institute, TNAU Campus, Madurai.
- Mr. S. Vignesh, Deputy Manager – Intellectual Property Facility Centre (IPFC) at the Madurai Agribusiness Incubation Forum (MABIF)
- T. Umaadevan, Managing Partner, Jayasakthi Agro Solution, Erode.
- Dr. T. Senthilkumar, Scientist, ICAR-Central Institute of Agricultural Engineering, Regional Centre, Cbe.
- Dr. P. Venkatachalam Ph.D., Former Professor at Tamil Nadu Agricultural University, Coimbatore.
- Dr.N.Sriram,Professor (Agricultural Extension), TNAU, Coimbatore.

PROGRAM SCHEDULE

BIRAC Webinar Title: Webinar on IoT-Driven Smart Farming: Unlocking Sustainable Agricultural Growth

DATE: 27.11.2025 & 28.11.2025

S.No	Date	Session Time	Speaker	Title
1.	27.11.25	9.30 a.m to 10.00 am	Inauguration	
2.		10.00 a.m to 10.30 am	Opening Remarks: Dr. Amita Joshi Head & In-Charge, Technical Dept. BIRAC Purpose of the Webinar: Dr. Sujit Das, Officer, Technical Dept., BIRAC Expected Outcomes: Ms. Kamna Nanda, Principal Consultant, Technical Dept., BIRAC	Role of BIRAC in empowering Indian Biotech Ecosystem
3.		10.30 a.m to 11.30 a.m	Er.K.Ganesh Moorthy, Executive Director & CEO, MABIF, Madurai Agribusiness Incubation Forum, An Initiative of NABARD & TNAU, Agricultural College & Research Institute, TNAU Campus, Madurai – 625104 Email ID: bte7.ganesh@gmail.com, Mobile No:8754645685	Getting Started with IoT in Agriculture: A Hands-On Approach
4.		11.30 a.m to 12.30 p.m	Mr. S. Vignesh, Deputy Manager – Intellectual Property Facility Centre (IPFC) at the Madurai Agribusiness Incubation Forum Email ID: ipr@mabif.com, Mobile No: 9789224506	Implementing Sustainable Practices using IoT Tools
5.		12.30 p.m to 1.30 p.m	Mr.T. Umaadevan, Managing Partner, Jayasakthi Agro Solution, Erode-638101, Tamil Nadu. Email ID: umaadevan@gmail.com Mobile No. : 9965139132	Exploring IoT Technologies in Agriculture through Practical Application
6.	28.11.25	9.30 a.m to 10.30 a.m	Dr. T. Senthilkumar, Scientist, ICAR-Central Institute of Agricultural Engineering, Regional Centre, Coimbatore - 641 007 Email ID : thasekumar@gmail.com, Mobile No. : 9842955606	Practical Implementation of Advanced IoT Applications with Strategic Insights

S.No	Date	Session Time	Speaker	Title
7.		10.30 a.m to 11.30 a.m	Dr. P. Venkatachalam Ph.D., Former Professsor at Tamil Nadu Agricultural University,Coimbatore Email : pvenkat55@icloud.com, Mobile : +91 9442961793	Exploring the Future of IoT in Agriculture through Practical Applications
6.		12.01 p.m to 1.00 p.m	Dr.N.Sriram Professor(Agricultural Extension), TNAU, Coimbatore - 641003 Mobile No:9443702262 Email ID: ns73@tnau.ac.in	Building and Testing Smart Automated Systems in Agriculture