

◆ CHIEF PATRON ◆



Thiru. V.M. Muralidharan
Chairman
Ethiraj College for Women
Chennai, Tamil Nadu

◆ PATRON ◆



Dr. S. Uma Gowrie
Principal & Secretary
Ethiraj College for Women
Chennai, Tamil Nadu

◆ VICE PRINCIPALS ◆

Mrs. M. Vijaya (Aided)
Dr. M. Jeyanthi (Self supporting)
Ethiraj College for Women Chennai,
Tamil Nadu

◆ CONVENORS ◆

Dr. S. Abhirami
Associate Professor & Head
PG Department of Physics
Ethiraj College for Women, Chennai
Tamil Nadu

Dr. A.V. Jhone Verjhula
Associate Professor & Head
Department of Physics
Ethiraj College for Women, Chennai
Tamil Nadu

◆ ORGANIZING SECRETARY ◆

Dr. J. Bhavani, Associate Professor

◆ ORGANIZING COMMITTEE ◆

Dr. Rajeswari G, Associate Professor

Dr. S. Leela, Assistant Professor

Dr. Aparnadevi N, Assistant Professor

Dr. B. Uma, Associate Professor

Dr. S. Mahalakshmi, Associate
Professor

Dr. M. Amudha, Assistant Professor

Dr. E. Elamurugu Porchelvi,
Assistant Professor

Dr. N. Kavitha, Assistant Professor

Dr. P. Sumathy, Assistant Professor

For Further queries contact:

Dr. J. Bhavani - 8678922888

Dr. S. Leela - 9865480808

Registration Fee: Students -Rs. 100/-

Faculty - Rs. 250/-

Last date for registration 25.07.2024

Refreshments & Lunch will be Provided

**For all active participants,
participation certificates
will be provided**

ONE DAY STATE LEVEL WORKSHOP

on

IoT - Based Embedded Systems for Home Automation and Urban Planning

01 AUGUST, 2024

organized by

The Department of Physics



ETHIRAJ COLLEGE FOR WOMEN (AUTONOMOUS)

CHENNAI - 600 008

*Affiliated to the University of Madras
College with Potential for Excellence*

in collaboration with



FLORANIX

Manufactures of Electronic Teaching Aids

REGISTRATION LINK

<https://forms.gle/oEYcHNNxLbauoyGD9>



ABOUT THE COLLEGE

Ethiraj College for Women, a premier institution dedicated to the cause of women's education was founded by the illustrious Barrister -at-law, Thiru. V.L. Ethiraj in 1948. His philanthropic donation paved the way for the establishment of the college with a mission to empower young women through holistic education. The college with a proven track record as a leading educational institution in Tamil Nadu enjoys a position of eminence on completion of its 75th year of establishment. The College has gained the Potential for excellence and reaccredited in NAAC Cycle IV "A+" (CGPA – 3.39)

ABOUT THE DEPARTMENT

Since its establishment in 1948 the Physics department has worked unceasingly towards its enhancement. After acquiring post graduate status in 2004, the department was upgraded into a full-fledged research centre by introducing M.Phil. course in 2009 and Ph. D Program in 2018. With a vision to become the "Department of Choice" for students, and a mission to achieve excellence in teaching and learning through innovative methods, the department is dedicated to the delivery of high quality education to produce graduates with professional and personal competence. The department organises Workshops, Seminars, National and International Conferences periodically to expose the students to the latest trends in research and mould their research temperament.

ABOUT FLORANIX

FLORANIX is a leading manufacturer of electronic teaching aids. It was launched in 1986 by Dr.G.Kumar Sathian, Former Professor & Head, Dept of Physics, Madras Christian College with a vision to help the academic community to approach Electronics with ease. Its main forte being manufacturing, the design elements behind the trainer kits and other products from Floranix, are fused with compactness, quality, comprehensive simplicity and intent to unlock the potential of young minds. Through Internship Courses and In-Plant Training modules it offers Interactive/hands-on training programs.

THEME OF THE WORKSHOP

Presently, Internet of Things (IoT) is the most promising and revolutionary technology of internet, worldwide. Implementation and research on IOT across different domains ranging from civilian to defense sectors has become the primary focus area of academia. This workshop will provide an invaluable opportunity for participants to explore the state-of- art technologies using IoT in the spheres of Automobiles, Home and Urban automation, Agriculture, Robot control using RF & Android Apps. The sessions will involve lectures on Automation – Concepts of Embedded system for electronic automation using ATmega 328 Embedded microcontroller & appropriate sensors & actuators. The Hands on sessions will include Embedded C Programming, Compiling with IDE Software & downloading the HEX Codes into ATmega 328

SESSION DETAILS

Venue : Library Conference Hall

Inauguration - 10.00 - 10:30 a.m.

Session 1

Time : 10.30 - 11.30 a.m.

“ SMART IoT Based System in Home Automation and Urban Planning”

Dr. G. Kumar Sathiyam

Former Professor & Head,

Dept of Physics,

Madras Christian College, Chennai

Founder, FLORANIX

Tea Break

Time : 11.30 a.m. - 12.00 p.m.

Session 2

Time : 12.00 - 1.00 p.m.

“ Sensor Based Automation using Embedded Microcontroller ATmega 328”

Mr. Adhiruban B.E

Software engineer

FLORANIX

Lunch Break

Time : 1.00 - 2.00 p.m.

Session 3 & 4

Time : 2.00 - 4.00 p.m.

Hands on Training

Venue : Physics Laboratory

“ Demo and Exposure to Embedded System Projects”

Dr. G. Kumar Sathiyam, Mr. Adhiruban B.E & Mr. Arul

FLORANIX