

WHO CAN ATTEND

The faculty members of any Institutions, Universities, research scholars, PG scholars, UG students; participants from Government, Industry (Bureaucrats / Technicians/ Industry experts etc.) and professionals from R&D labs.

CERTIFICATE

The certificates shall be issued to those participants who will attend the program with minimum 80% attendance.

REGISTRATION

There is **NO REGISTRATION FEE** for the program. Selected participants should attend the program for the entire duration through hybrid mode. Certificates will be provided upon successful completion of the FDP. Interested candidates who want to join the programme can email their full details to the following mail id: workshopecetu@gmail.com

ORGANIZING COMMITTEE

CHIEF PATRON

Prof. Debabrata Das,
Hon'ble Vice Chancellor, Tripura University

ADVISORY COMMITTEE

Prof. Debajyoti Bhattacharjee
Dean (Faculty of Sciences), Tripura University

Prof. Swanirbhar Majumder
Professor, Dept of IT, Tripura University

ORGANIZING COMMITTEE MEMBERS

Dr. Alak Roy, Dept of IT, TU
Dr. Jayanta Pal, Dept of IT, TU
Dr. Swarup Nandi, Dept. of IT, TU
Dr. Raktim Deb, Dept. of IT, TU
Dr. Parijata Majumder, Dept. of IT, TU
Dr. Mrinal Kanti Bhowmik, Dept. of CSE, TU
Dr. Abhishek Majumder, Dept. of CSE, TU
Dr. Somen Debnath, Dept. of CSE, TU
Dr. Champa Nandi, Dept. of EE, TU
Smt. Sangita Das Biswas, Dept. of EE, TU
Dr. Gagari Deb, Dept. of EE, TU

COORDINATORS

Dr. Anirban Karmakar & Dr. Bishanka Brata Bhowmik
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6-Days Hybrid Mode Workshop

On
RF and Photonics Technologies
during
31st August to 4th September' 2026

Organized by:



Department of Electronics & Comm. Engg.
&
Tripura University (A Central University),
Suryamaninagar, Tripura



TRIPURA UNIVERSITY

Tripura University epitomizes the aspirations of the state's people for academic excellence at the highest level and a quest for knowledge. The first institution of higher education had commenced functioning from 1947 with affiliation from Calcutta University but in the immediate aftermath of partition, the population of the state registered a steep growth and so did the number of students aspiring for higher education. Subsequently, it was on October 2, 1987, the birth anniversary of Mahatma Gandhi that Tripura University formally came into being as a towering embodiment of the hopes and aspirations of the people. The University was converted into a Central University on 2nd July, 2007 under the Tripura University Act, 2006 as enacted by the Parliament.

THE ECE DEPARTMENT

The Department of Electronics and communication Engineering (ECE) was established in 2016 with initial intake of 15 students in PG program. The department has been contending to provide quality technical education since its inception. The department lays special stress on research and development activities both on the part of the faculty members as well as the students. At present the department offering M.Tech in Electronics and Communication Engineering along with Ph.D program.



ABOUT THE WORKSHOP

RF and Photonics Technologies represent an important interdisciplinary field that combines radio frequency engineering with optical science to enable advanced communication and sensing systems. Radio frequency (RF) technology involves the use of electromagnetic waves in the frequency range typically from kilohertz to gigahertz, and it plays a crucial role in wireless communication, radar systems, broadcasting, and satellite links. Photonics, in contrast, focuses on the generation, transmission, and detection of light, especially through optical fibers and laser-based systems. The integration of RF and photonics has given rise to microwave photonics, a rapidly growing area that leverages the advantages of both domains, such as high bandwidth, low signal attenuation, and resistance to electromagnetic interference. This synergy allows for improved performance in modern communication networks, including 5G and future 6G systems. Additionally, RF photonics is widely used in defense applications, remote sensing, medical imaging, and high-speed data transfer. With continuous advancements in materials, devices, and integration techniques, RF and photonics technologies are expected to play a transformative role in shaping next-generation communication and sensing infrastructures.



FDP CONTENT

The sessions will be covered by eminent speakers from reputed Institutions/ Industries as per the following schedule.

Day 1: Inaugural session (11am-1pm) & Technical session (2pm-4pm)

Day 2: Technical session (11am-1pm) & (2pm-4pm)

Day 3: Technical session (11am-1pm) & (2pm-4pm)

Day 4: Technical session (11am-1pm) & (2pm-4pm)

Day 5: Technical session (11am-1pm) & Valedictory session (2pm-3pm)