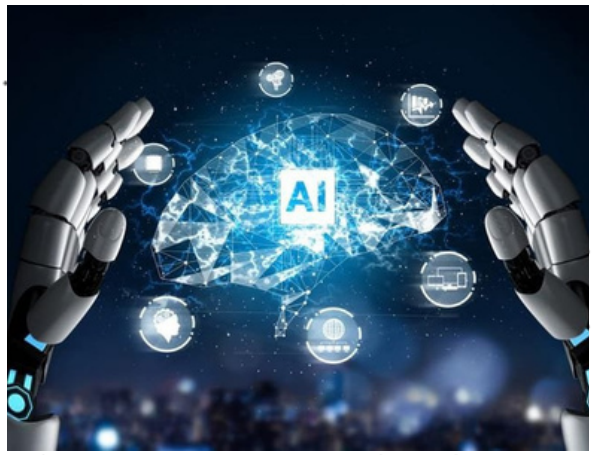
APRIL TO JUNE 2022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

NEWSLETTER



VISION

To create a centre for imparting technical education of international standards and conduct research at the cutting edge of electronics & communication technology to meet the current and future challenges of technological development.

MISSION

To create technical manpower for meeting the current and future demands of industry and academia: to recognize education and research in close interaction with electronics & communication & related industry with emphasis on the development of leadership qualities in the young men and women entering the portals of the institute with sensitivity to social development and eye for opportunities for growth in the international perspective.

Research is to see what everybody else has seen and to think what nobody else has thought-

-Albert Szent-Gyorgyi

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"Book Chapter" A Neural Network Model to Estimate Parameters of DBSCAN for Flood Image Segmentation ISBN:ISBN 978-981-16-6893-7 published by - Algorithms for Intelligent Systems, Springer Year:2022 Authors- R. Verma, S. J. Nanda

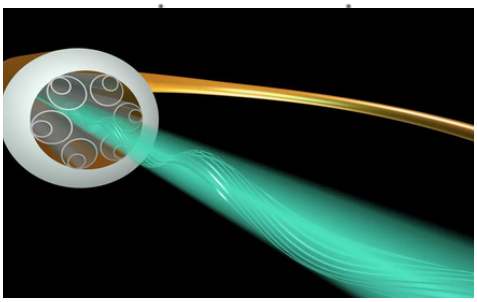
Research Projects

Sr. No.	Project Investigator	Title of the Project	Funding Agency	Amount (Lacs)	Duration
1	Dr. Vijay Janyani	High Performance Thin Film CIGS Solar Cell for Portable Electronic Devices	DST SEED	29.26	2019-2022
2	Dr. Bharat Choudhary	Development of Artificial Intelligence based functional prototype for the diagnosis of Urinary Tract Infection	M/S Techjivaa Software Private Ltd.	10.00	2022-2023
3	Dr. Kuldeep Singh	Prototype Development of Artificial Intelligence based Portable Computer Aided Diagnosis System for Silicosis	Directorate of Specially abled People , Govt. of Rajasthan	150.00	2022-2024
4	Dr. D. Boolchandani	Charge pump PLL frequency synthesizer design	ISRO	21.35	2021-2023
5	Dr. Vijay Janyani	Highly Localized, Coherent and Tunable Photon Source using Nonlinear Plasmonics and Elastomeric Actuator for Photothermal Therapy of Cancer Cells and Improved Detection in Bio-Sensing	India - Poland project (DST-International)	13.29	2020-2022
6	Dr. D. Boolchandani	FIST-2019	DST	125.00	2020-2025
7	Prof. Ghanshyam Singh	Development of a Satellite Quantum Communication Network (SQCN)	BRICS MULTILATERAL PROJECTS	15.82	2020-2023
8	Dr. Deepak Bharti	Green Template-assisted, Flexible and SkIN-attachable Sensor for NOn-inVAsive and Non-enzymatic Glucose DeTEction using Human Sweat and Saliva - INNOVATE	SRG scheme by SERB	29.37	2020-2022
9	Dr. Rajesh Saha	Impact of Lateral Straggle on the Logic Gates, SRAM, and Ring Oscillator in Silicon on Insulator (SOI) Tunnel FET	SERB DST	23.08	2019-2022
10	Dr. Rajendra Mitharwal	Modeling and Simulation of a Non-invasive Approach for the Electromagnetic Field (EMF) Assessment inside Human Subject exposed to CPS Wireless Infrastructure	Interdisciplinary Cyber Physical Systems (ICPS) Division - DST	35.00	2019-2022

READERS' CHOICE

Hollow-Core Fiber Beams a Kilowatt of Laser Power Up to a Kilometer

Recent reductions in loss of hollow-core fibers make them attractive for communication applications. Now a hollow-core fiber can transport a kilowatt of laser power up to a kilometer away.The development marks a big step for precision machining that requires high-power laser beams.



Source: IEEE Spectrum

Placements

TOP RECRUITERS

UG Placement Stats 2021-2022

B. Tech	Maximum Package (LPA)	Min Package (LPA)	Average Package (LPA)	Percentage Placed Students
	60	6	16	96.6

PG Placement Stats 2021-2022

M. Tech	Maximum Package (LPA)	Min Package (LPA)	Average Package (LPA)	Percentage Placed Students
	48	8	12	90

Internship Stats 2021-2022

Program	No. of Students Got Internship	Maximum Stipend	Minimum Stipend
UG	60	100000	11000
PG	28	50000	20000

ALL THE DATA AND INFO HAVE BEEN COLLECTED THROUGH DEPARTMENT AND RELIABLE SOURCES, WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE ACCURACY.