

ABOUT THE INSTITUTE

COLLEGE OF ENGINEERING THALASSERY AFFILIATED TO CUSAT AND KTU WAS ESTABLISHED BY GOVT. OF KERALA UNDER THE COOPERATIVE ACADEMY OF PROFESSIONAL EDUCATION (CAPE) IN THE YEAR 2000. THE COLLEGE, RECOGNIZED BY AICTE, OFFERS SIX B.TECHPROGRAMMES (CSE, IT, ECE, EEE, ME AND CE) AND TWO M.TECHPROGRAMMES (ECE AND ME). THE COLLEGE IS WELL-KNOWN FOR ITS TECHNICAL EXCELLENCE, MODERN FACILITIES, RECORD OF PERFORMANCE WITH EXCELLENCE RESULTS ADDED UP BY UNIVERSITY RANKS AND ENTERPRISING STUDENTS. THE COLLEGE IS SITUATED ON THE TOP OF KUNDOORMALA, JUST 6 KM AWAY FROM THALASSERY. THE COLLEGE IS ONE AMONG 19 ENGINEERING COLLEGES IN KERALA WHICH HAS BEEN SELECTED FOR GRANT UNDER TEQIP PHASE II.

ABOUT THE DEPARTMENT

THE DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING WAS ESTABLISHED IN THE YEAR 2000 OFFERING FOUR YEAR B.TECH IN CSE. THE DEPARTMENT HAS BEEN CONSISTENTLY PRODUCING ILLUSTRIOUS ENGINEERING GRADUATES OF HIGH CALIBER WHO OCCUPY PRESTIGIOUS POSITIONS IN THE ACADEMIC AND INDUSTRIAL FIELDS. THE MAJOR STRENGTH OF THE DEPARTMENT IS HIGHLY QUALIFIED AND EXPERIENCED FACULTY AND STATE OF THE ART LABORATORIES. THE CURRICULAR, CO-CURRICULAR AND EXTRACURRICULAR ACTIVITIES CONDUCTED BY THE DEPARTMENT EQUIP THE STUDENTS WITH LEADERSHIP QUALITIES AND TALENTS TO ENSURE BRIGHT FUTURE INCLUDING PLACEMENTS AND HIGHER STUDIES.

COURSE OVERVIEW

MACHINE LEARNING IS A FIELD OF COMPUTER SCIENCE THAT USES STATISTICAL TECHNIQUES TO GIVE COMPUTER SYSTEMS THE ABILITY TO "LEARN" WITH DATA, WITHOUT BEING EXPLICITLY PROGRAMMED. IT IS THE SCIENCE OF GETTING COMPUTERS TO ACT WITHOUT BEING EXPLICITLY PROGRAMMED. IN THE PAST DECADE, MACHINE LEARNING HAS GIVEN US SELF-DRIVING CARS, PRACTICAL SPEECH RECOGNITION, EFFECTIVE WEB SEARCH, AND A VASTLY IMPROVED UNDERSTANDING OF THE HUMAN GENOME

PROGRAMME CONTENTS

- REGRESSION TECHNIQUES & INSTANCE BASED LEARNING
- DECISION TREE ALGORITHMS & CLUSTERING
- NEURAL NETWORK LEARNING
- SUPPORT VECTOR MACHINES
- BAYESIAN LEARNING
- DEEP LEARNING
- REINFORCEMENT LEARNING
- PRINCIPAL COMPONENT ANALYSIS (PCA)
- APPLYING MACHINE LEARNING ALGORITHMS ON LARGE DATA SETS

TARGET AUDIENCE

TEACHING FACULTIES OF CSE/IT AND OTHER RELATED BRANCHES FROM EDUCATIONAL INSTITUTIONS APPROVED BY AICTE/UGC.

RESOURCE PERSONS

DR.GOVINDAN V K
DR. DEEPU VIJAYASENAN
DR. VINEETH R
MR. PREMJIITH B

HOW TO REGISTER

REGISTRATION FORM IS AVAILABLE ALONG WITH THE BROCHURE.

