Muthoot Institute of Technology & Science
Autonomous
RELENTLESS PASSION FOR EXCELLENCE

CONTINUING EDUCATION CELL (2024-25)

The Continuing Education Cell is dedicated to fostering a culture of lifelong learning among students. Our mission is to equip learners with the skills, knowledge, and competencies needed to excel in a rapidly evolving world.

We offer a variety of sessions, workshops, and training programs tailored to enhance technical, professional, and soft skills. These initiatives are designed to bridge the gap between academic learning and industry requirements, empowering students to stay ahead in their chosen fields.

Office Bearers

#	**Name of the Faculty**	**Designation and Department**
1.	Asha Raj	AP, CSE
2	Nivea Kesav	AP, CSE
3	Anjali Muraleedharan	AP, AI& DS
4	Geethu Chacko	AP, EEE

What We Offer:

- **Skill Enhancement Workshops:** Interactive sessions focused on technical and professional development.
- **Industry Expert Talks:** Insights from professionals to prepare students for real-world challenges.
- **Certification Programs:** Opportunities to earn certifications in trending technologies and areas of expertise.
- **Career Development Guidance:** Resume building, interview preparation, and career counseling.

By participating in our programs, students gain access to cutting-edge tools and techniques that elevate their academic and professional journeys.

Recent Sessions and Workshops:

- **Interactive Session with Dr. John Jose** (IIT Guwahati) – This session provided valuable insights into advanced computing concepts and innovations, IT industry practices, and the significance of competitive exams like GATE.

- **STTP ON FLUTTER & DART APPLICATION DEVELOPMENT** – This course aimed to equip students with essential skills in mobile application development, focusing on both theoretical knowledge and practical application using Flutter and Dart. By providing hands-on experience in building real-world mobile applications, the program enhanced the employability of the students, preparing them for competitive job markets. It also promoted collaboration among students through group projects and peer reviews, building a community of learners who supported each other's growth and development.

RESOURCE PERSON

Mr. BASIL BABY

Assistant Professor,
Department of Computer
Science & Engineering

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Register details:

Registration fee: Rs.750
*Last date to register August 1st 2024
*Shortlisted students shall be informed through email.
*Students can pay the registration fee after confirmation.

COURSE CONTENT

Week 1: Introduction to Flutter and Dart

- Overview of Flutter.
- Setting up the development environment.
- Basics of Dart programming.

Week 2: Flutter Widgets and Layouts

- Understanding widgets.
- Building layouts using Flutter.

Week 3: State Management and Navigation

- Navigation and routing.
- Passing data between screens.
- Understanding stateful, and stateless widgets.

Week 4: Networking and Data Storage

- Making network requests.
- Storing data locally.

Week 5: Flutter with Firebase

- Introduction to firebase.
- Setting firebase with flutter apps.
- Developing flutter CRUD app with firebase as back end .

Week 6: State Management in Flutter

- Introduction to BLOC.
- Flutter architecture.
- Developing apps based on Flutter architecture and BLOC.

Week 7: UI/UX

- Introduction to UI/UX using Figma.
- Initiation of Real Time Project based on Flutter and Firebase

Week 8: Project

- Continuation of the project.

- **ROS2 WORKSHOP** – The hands-on workshop on Robot Operating System 2 (ROS2) provided participants with an immersive experience to master the development of autonomous robots from scratch. Combining expert-led sessions with practical activities, the workshop covered core ROS2 concepts, robotic navigation, manipulation, and sensor integration. Participants worked on real-world projects, enhancing their technical expertise and problem-solving skills while fostering collaboration through group tasks and peer reviews. The workshop successfully equipped attendees with a strong foundation in robotics, preparing them for advanced challenges in the field and boosting their employability in the competitive robotics domain.

By organizing such enriching sessions, the Continuing Education Cell aims to bridge the gap between theoretical knowledge and practical application, empowering students to excel in their careers.