MAETECH

YOUR DIGITAL TRANSFORMATION PARTNER

WHO WE ARE?

Founded in 2009, our Pakistan-based IT company has expanded its presence to the Gulf region, notably in the UAE. Our strengths lie in delivering top-notch services in the IT sector; encompassing Digital Solutions, IT Consultancy, Project Management and Data Science. Our capabilities extend to ERP Systems, Purpose-built Digital Platforms, Business Process Re-engineering (BPR) and AI-driven dashboards leading to Decision Making Systems.

The MAE Tech family is home to the most skilled experts and professionals in the field.

MISSION AND VISION

MAE Tech is a driving force behind our Customers' Achievements by delivering Holistic, Purpose-built and complete IT solutions. These solutions not only boost agility but also empower Customers to excel in the competitive realm by adopting the best global practices to tackle challenges and complexities of the business landscape.

65+ Customers

100+ Resources

10+ Years

OUR EXPERTISE

IT Solutions

- UI/UX
- Digital Platforms
- Mobile Applications
- Quality Assurance
- Technical Documentation
- Cyber Security
- ERP's
- CRM's

Artificial Intelligence

- Decision Making Systems
- Predictive Analysis
- Comparative Analysis
- Data Science
- Data Engineering
- Data Modeling

IT Consultancy & Project Management

- IT Consultancy
- BPR
- Project Management
- Technical Trainings

Marketing

- Search Engine Optimization
- Social Media Handling
- Social Media Campaigns
- Marketing Strategy and Plans

OUR TECH STACK EXPERTISE

Software Development

UI/UX Design
Figma
Adobe XD
Adobe Photoshop
Adobe Illustrator
Adobe After Effects

UI/UX Development
ReactJS
Angular
Vue.js
HTML / CSS
Java Script / JQuery
Webix.js

Software Development
Node.js
Python
Dot Net
Java
PHP
Laravel
Django

Mobile Apps
iOS
Android
Flutter
React Native
PhoneGap

AI/ML/Analytics

Tableau
PowerBI
QuickSight
Knime
Python
Qlik Sense

ERP/CRM/Automation

MS Dynamics 365
Oracle
Odoo
BPR
Customised Solutions

e-Commerce & Databases

WordPress
Drupal
Shopify
My SQL/ SQL
Oracle
Mongo DB
AWS

SOME OF OUR HAPPY CLIENTS

FLAGSHIP PROJECTS

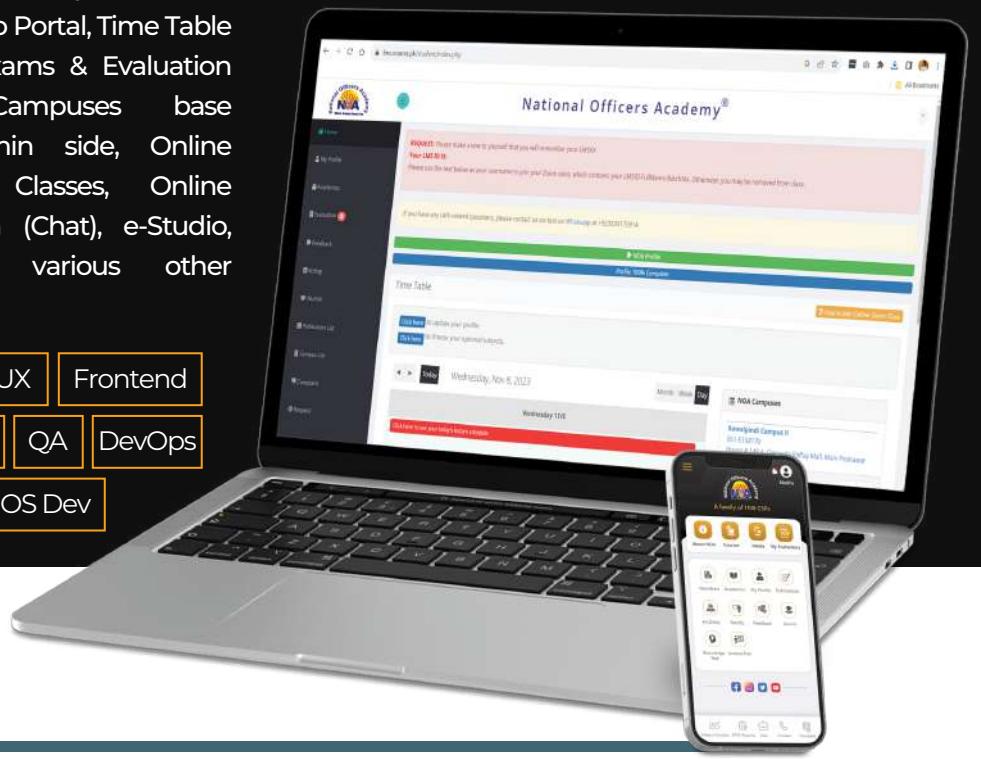
Provided here are glimpses of Significant Projects executed by MAE Tech and its core team members.

Learning Management System (LMS)

A Learning Management System tailored for the National Officers Academy (NOA), along with a Web Portal and Mobile Application has been successfully Developed and Deployed. The System includes distinct modules for Students, Faculty, Admin & Accounts, e-Vouchers, Job Portal, Time Table Management, Online Exams & Evaluation System, e-library, Campuses base Management on Admin side, Online Registrations, Online Classes, Online Communication System (Chat), e-Studio, Media Centre, and various other functionalities.

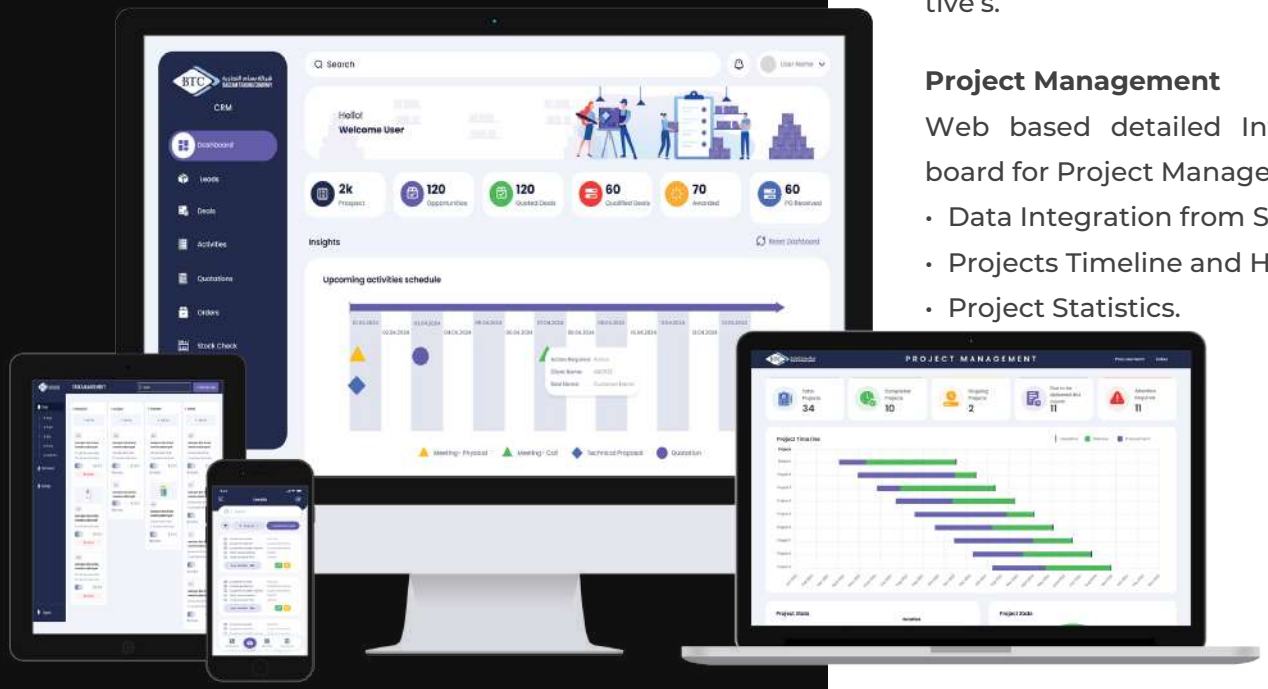
Team

PM | BA | UI/UX | Frontend | Backend | DB | QA | DevOps | Android Dev | iOS Dev



Sales CRM

A Sales CRM tailored for the Bassam Trading Company, KSA with a Web Portal and Mobile Application has been successfully Developed and Deployed. It has four main Modules i.e:



Sales CRM

- Sales Module for Sales Representative's.
- Reporting Module for Management to create and download reports with custom filters option.
- Self-Assessment Module for Sales Representative's.
- User Roles and Permissions.
- Mobile Application for Sales Representative's.

Project Management

Web based detailed Interactive Dashboard for Project Management including:

- Data Integration from SAP.
- Projects Timeline and Health.
- Project Statistics.

Executive Dashboards

We will be designing and developing Power BI Executive Dashboards:

- Statistical Overview.
- Financial Trends.
- Department level details.
- Assets & Liabilities Details.
- Cost breakup & Revenue Flow.

Task Management

Web based Task Management Module integrated predefined Tasks, once any Lead is locked in CRM including:

- Auto Assignment from System.
- Checklist or To-Do List.
- User Interface with Task Status.
- Interactive Dashboard for Management.

Team

PM	BA	SA	UI/UX	Frontend	Backend
DB	Android Dev	iOS Dev	DevOps	QA	

Mortuary Management System

This digital platform is engineered to provide real-time visibility into the movements and locations of deceased individuals. Its primary objective is to enhance the management and coordination of these individuals, ensuring they are treated with dignity and efficiency. Initially, the platform is proposed as a pilot project specifically for the Hajj Operations in 2024.

The platform encompasses four distinct roles, each with dedicated functionalities:

1. **Authorized Personal (Mobile App)**
2. **Transportation (Mobile App)**
3. **Processing Centre (Mobile App)**
4. **Admin (Web Portal)**

User will not be able to register to app until they are enrolled by admin.

a) User will receive his credentials over email.

b) Upon first sign in user will be sent OTP on his mobile device to ensure that relevant user is signing in.

c) Upon verification of OTP, Update password screen can be seen.

At the landing page for Authorized Personal, they will get three options:

i. Report a Death.

ii. View live maps on which they can see the current location of already reported bodies.

iii. Complete list of deaths reported can be viewed along with status in card format with timeline.

Complete list of deaths reported can be viewed along with status in card format with time-line. Authorized Personal selects to report a death and then will select the number of deaths and chooses the generalized location from dropdown and shares location. Then he will scan QR code from stripe on deceased hand.

Driver will receive notification via app.

Team

PM | BA | SA | UI/UX | Frontend | Backend | DB | Android Dev | iOS Dev | DevOps | QA

e-Campus

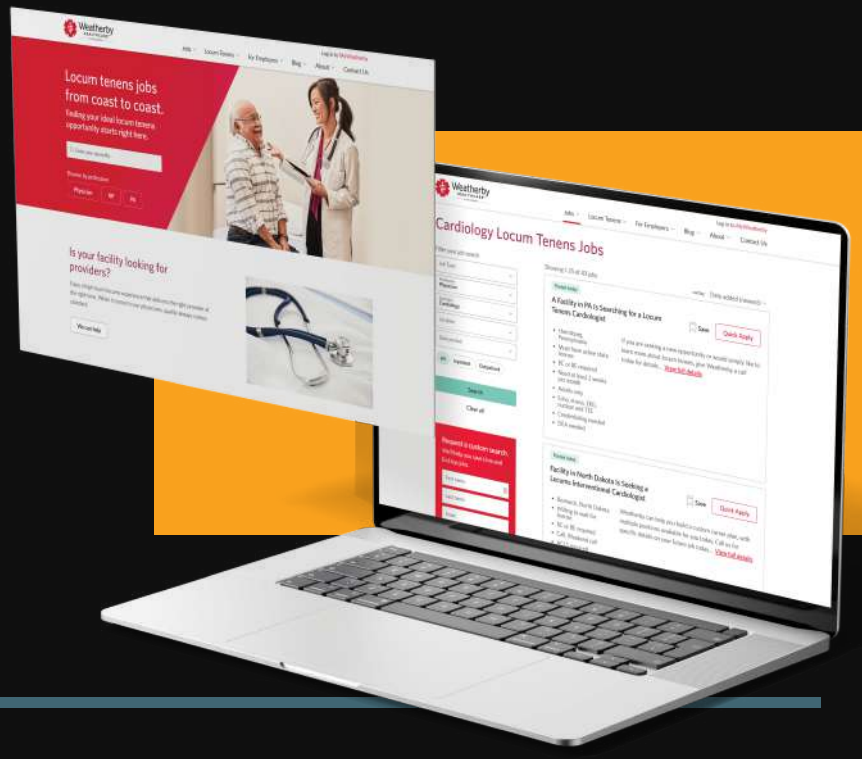
An online Educational Hub that replicates the Operations of a Complete Educational Institute. Students, Faculty and Admin side possess dedicated user Roles & Accounts which allowed them to carry out their specific duties more effectively. The platform offers both recorded and live classes and features a Central Repository of Online Lectures for students who may need to catch up or revise.

Team: PM | BA | UI/UX | Frontend | Backend | DB | DevOps | QA

Job Portal

An online job portal (Web and Mobile App) employing a match-making approach for both job seekers and employers. The platform is centrally controlled by product owners (confidential) with sub-controls at the Country and Employer levels. The Platform incorporates AI-based dashboards on the Admin side; offering features such as Predictive Analysis, Decision-making Systems, Financial Management, Profile Handling and much more, all based on real-time integrated data.

Team: PM | BA | SA | UI/UX | Frontend | Backend | DB | Android Dev | iOS Dev | DevOps | QA



Task Tracking System

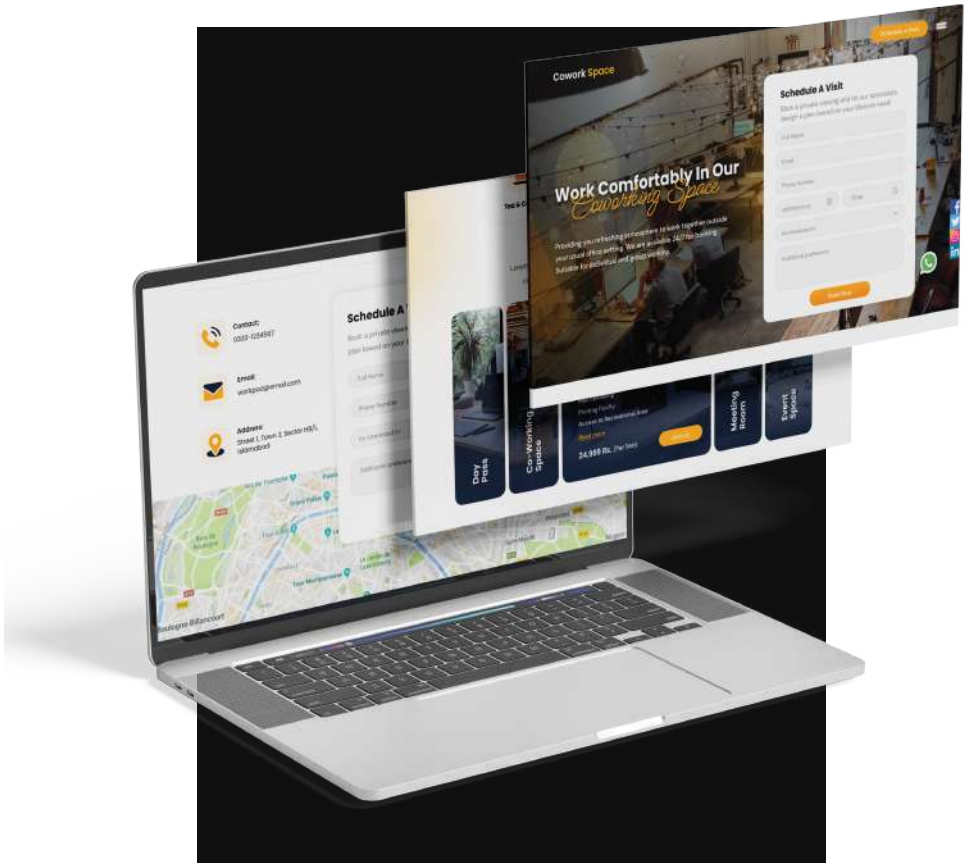
Recognizing the fundamental requirement for organizations to have real-time monitoring and evaluation of onboarded resources, a solution has been crafted and introduced. One may characterize the system in question as resembling JIRA; in reality, it incorporates more features and can be customized according to the specific needs of any client.

Team | PM | BA | SA | UI/UX | Frontend | Backend | DB | Android Dev | iOS Dev | DevOps | QA

Automation of Board Meetings

A digital platform with the aim of overhauling end-to-end Board Meetings and Agenda items of any Organization, moving away from traditional methods to Automated Digital Systems with provision to remotely attend said meetings as well. This initiative eliminates paper usage, safeguards the confidentiality of board meetings and agendas while concurrently achieving cost savings in boarding & lodging and security heads through the adoption of e-services.

Team | PM | BA | SA | UI/UX | Frontend | Backend | DB | DevOps | QA



Platform for Co-working Space

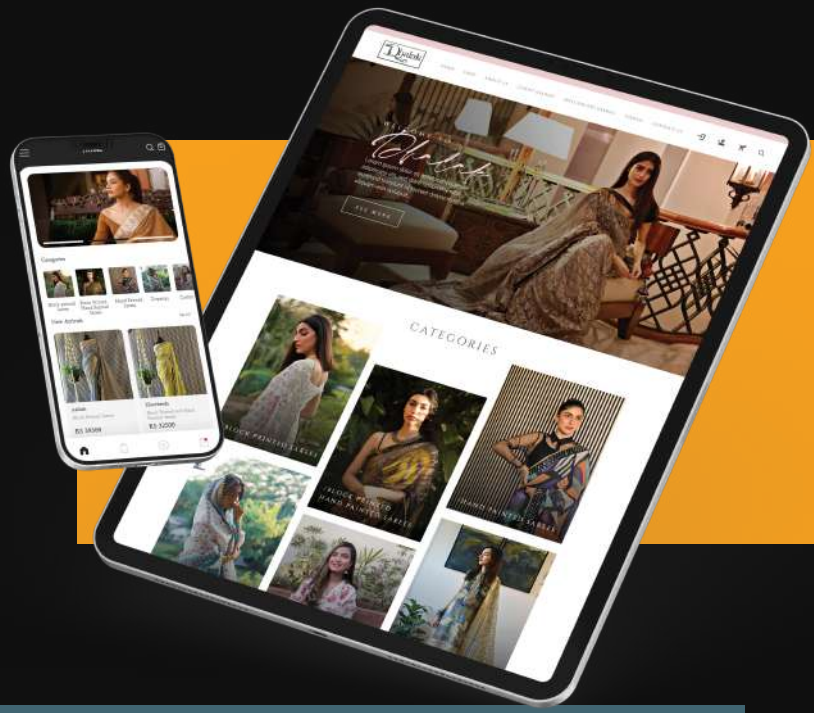
A platform where all services offered by space providers are published. Visitor can have virtual visit of whole vicinity and can schedule a visit. Those who are registered can have access to e-invoice, Complaints Management, Events Management, Guests Management and many more. On admin side their whole business process is digitized; including HR, Admin, Marketing, Operations and Finance departments.

Team | PM | BA | SA | UI/UX | Frontend | Backend | DevOps | QA

e-Commerce

An e-commerce platform for a Saaree brand, featuring a dynamic content management system (CMS) for online showcasing. Users can explore multiple options, add items to their cart and complete online payments when confirming an order. The system includes a Complaint Management System and an e-Ledger, along with other fundamental operational processes.

Team | PM | BA | SA | UI/UX | Frontend | Backend | DB | Android Dev | iOS Dev | DevOps | QA



My Loader App

My loader app is a platform for loader vehicles of all cargo categories and end users who wants to get his cargo shifted from one place to another. Said Platform makes its very simple for domestic users to book a cargo vehicle by using this app from thousands of vehicles available in this surroundings instantly or schedule it for some other time. My loader app provides a facility where the user and vehicle owner can negotiate the fair that suits both parties.

Team

PM	BA	SA	UI/UX	Frontend	Backend
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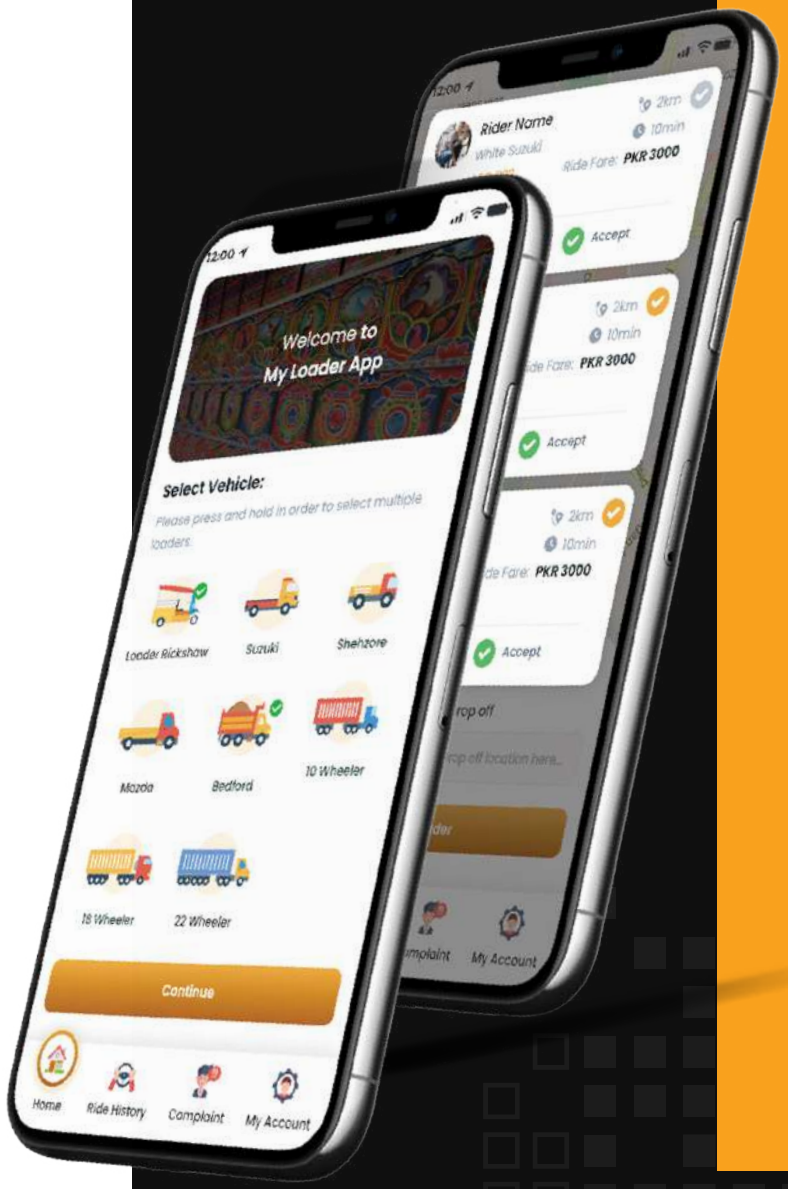


Resource Management System

A comprehensive Platform (accessible through both Web and Mobile App) allowing organizations and employees to engage in immediate online coordination. It encompasses features like HR Management System, Payroll Management System, Leave Management System, e-filing, Attendance Management System (usable on smartphones, with location-based application limited to defined premises), Vehicle Management System and various other routine operational business processes.

Team

PM | BA | SA | UI/UX | Backend | DB | Android Dev | iOS Dev | DevOps | QA

Digital and AI based disaster management solutions

In the times of the COVID-19 pandemic and past floods in Pakistan, multiple dashboards were created and launched for a national cause; MAE Tech provided maximum input in this regard.

These dashboards offer real-time analysis of total deaths, hospital stock and updates, affected citizens and during floods; information on injured individuals, livestock loss, damaged houses and affected people. They also include details on relief granted and aids distributed.

Additional features consist of smart lockdowns, hot spot mapping, geo-fencing of highly affected areas, layering over effected areas and relief activities and many more.

Decision-making became simplified with real-time comparisons at the fingertips of decision-makers, fostering transparency and effectiveness.

Team | PM | BA | SA | UI/UX | Frontend | Backend | Data Science | DB | DevOps | QA

Data Science

MAE Tech excels in Data Cleansing, Data Mapping, Data Modeling, Data Integration and Visualization (customized on both web and tools). The data processed is utilized to develop Decision-Making Dashboards that offer capabilities such as Predictive Analysis, Comparative Analysis, different Trends, Forecasting, Evaluation & Assessment, Real-Time Monitoring and any other tailored user requirements.

Aforementioned Dashboards have been deployed and are actively functioning in different organizations under Health, Education, IT and Finance sectors.

Team

- PM
- BA
- SA
- UI/UX
- Frontend
- Backend
- Data Science
- DB
- DevOps
- QA

IT Consultancy

MAE Tech excels in providing IT consultancy as a professional service to provides advice, guidance and solutions to organizations seeking to leverage information technology to achieve their business objectives. MAE Tech family owns expert IT consultants who work closely with clients to assess their IT needs, develop strategies and implement solutions.

Key Aspects of IT Consultancy

Assessment and Analysis Services

Our IT Consultants analyze the current state of an organization's IT infrastructure, systems and processes to identify strengths, weaknesses, opportunities and threats related to the existing technology environment.

Strategic Planning

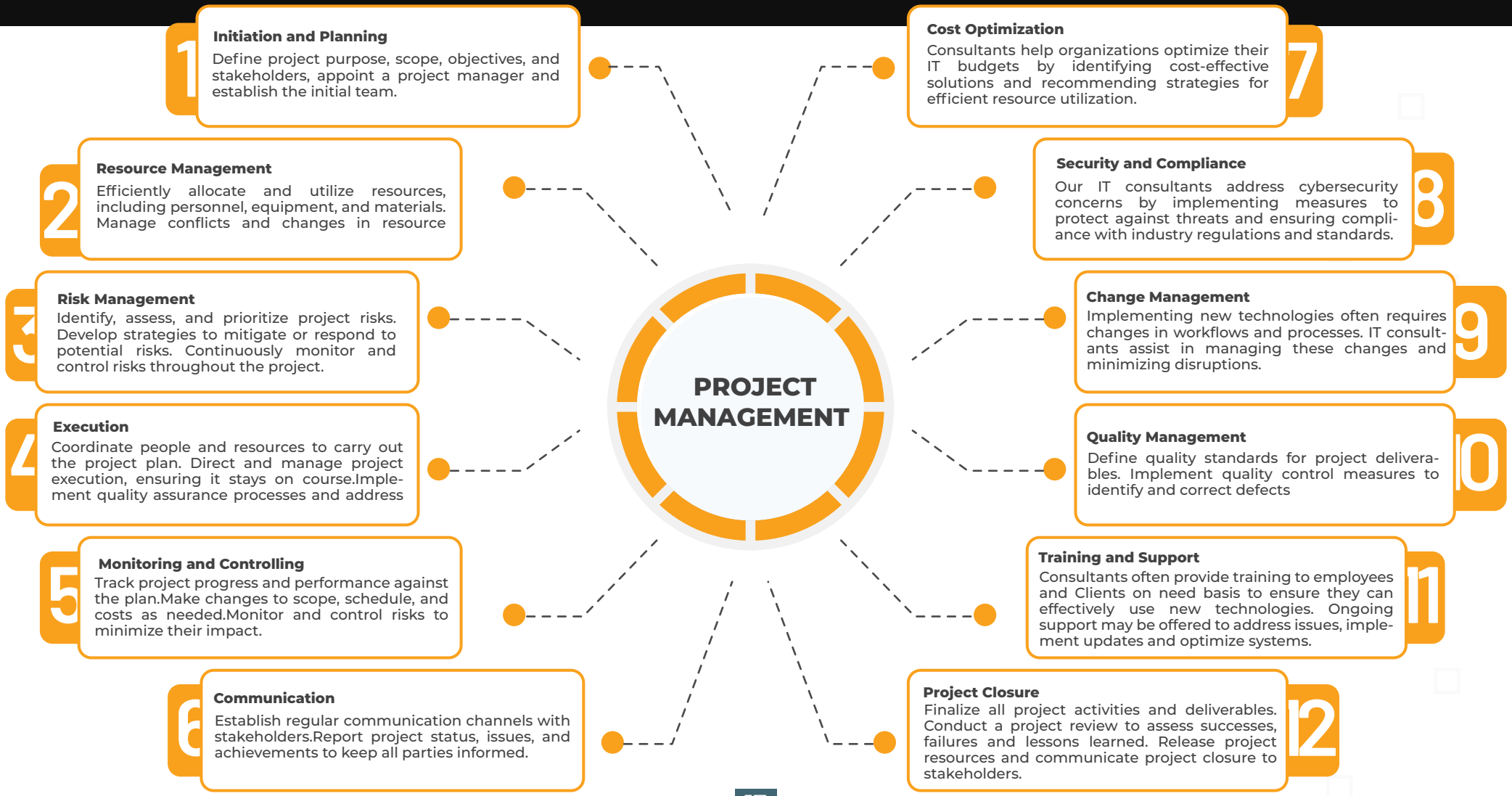
Based on the assessment; consultants develop strategic plans that align IT with the overall business goals of the organization by providing them recommendations on how technology can be used to improve efficiency, reduce costs and enhance competitiveness.

Implementation of Technology Solutions

Our IT consultants assist in the selection, customization and implementation of hardware, software and other technology solutions and will oversee the integration of new systems into existing infrastructure and ensure a smooth transition.

Project Management

Project management is a systematic approach involving planning, execution, control, and closure to meet project requirements. It employs various methodologies (e.g., Agile, Scrum, Waterfall, PRINCE2) based on project nature and preferences. Successful project management is crucial for on-time, within-budget, and quality delivery, requiring technical skills, leadership, communication, and adaptability to handle complexities.
Here are key aspects of project management we suggest and follow:



Customer Relationship Management

CRM (Customer Relationship Management) MAE Tech excels in providing off the shelf and customized purpose built CRM solutions. A CRM solution is a technology tool or software designed to help businesses manage and analyze customer interactions and data throughout the customer lifecycle.

The primary goal of a CRM solution is to improve customer relationships, streamline processes, and increase profitability. Key features of a CRM solution typically include:

Here are key aspects of project management we suggest and follow:

01 Contact Management

Organizing and storing customer information, including contact details, communication history and any other relevant data.

02 Lead Management

Tracking and managing potential customers (leads) from the initial contact to conversion.

03 Sales Automation

Automating sales processes, such as lead scoring, email campaigns and deal tracking.

04 Customer Service and Support

Providing tools to manage customer inquiries, complaints and support requests often through ticketing systems.

05 Marketing Automation

Automating marketing tasks, such as email campaigns, social media posting and lead nurturing.

06 Analytics and Reporting

Generating reports and analyzing data to gain insights into customer behavior, sales performance and other key metrics.

07 Integration

Connecting with other business tools and software (e.g. email, calendars, accounting) to ensure a seamless flow of information across different departments.

08 Mobile Accessibility

Allowing users to access CRM features on mobile devices for flexibility and on-the-go access.

Risk Assessment Strategy

A Risk Assessment Plan is a structured document that outlines the process, methods and tools used for identifying, assessing and managing risks within a project or organization. Creating a risk assessment plan with a mitigation plan involves identifying potential risks, assessing their impact and likelihood and developing strategies to minimize or eliminate these risks.

Monitoring and Review

Establish a process for monitoring risks throughout the project. Regularly review and update the risk assessment and mitigation plans as needed.

Risk Identification

List of potential risks that could impact the project which include risks related to scope, schedule, resources, technology and external factors.

Responsibility

Assign responsibilities for executing mitigation strategies and contingency plans.

Risk Analysis

Evaluate the impact and likelihood of each identified risk. Use a scale (e.g. low, medium, high) for both impact and likelihood.

Contingency Plans

Define contingency plans for dealing with risks if they materialize despite mitigation efforts.

Mitigation Strategies

Develop specific actions and strategies to mitigate or reduce the impact and likelihood of each identified risk.

Change Management Approach

Change management is a structured approach to transitioning individuals, teams and organizations from the current state to a desired future state while minimizing resistance and maximizing engagement. When considering a change management approach, it's important to follow a systematic process to increase the likelihood of successful implementation of any Digital Platform on launch. Implementing a change management approach in software development is crucial for the successful adoption of new processes, tools or methodologies.

Here's a tailored change management approach specifically for software development:

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