



ICT Academy of Kerala

FSD Projects

Software Requirements Specification

1. ICTAK Website

Overview: Launch a responsive website for ICTAK using MEAN Stack.

Requirements:

1. Pages Required:
 - a. Home Page
 - b. About Us
 - c. Courses (course details will be shared separately)
 - Retail
 - Institutional
 - Corporate
 - d. Offerings
 - Partnership
 - Membership
 - e. Events
 - ICSET
 - Techathlon
 - f. Paatshala LMS
 - g. Contact Us
2. Each course should have a registration form with custom validations and once filled, a confirmation mail should be sent to their respective email-id with a link where they can download the corresponding brochure
 - a. Admin should be able to get all the registration details in his/her dashboard and can download it as an Excel file.
3. Partnership page should contain a Partner Application Form with custom validations and once filled they receive a confirmation mail.
 - a. Admin should be able to get all the registration details in his/her dashboard and can download it as an Excel file.
4. Membership page should also include separate application forms for Academic and Corporate with custom validations and once filled they receive a confirmation mail.
 - a. Admin should be able to get all the registration details in his/her dashboard and can download it as an Excel file.
5. Paatshala anchor tag should redirect to retail.ictkerala.org page
6. Contact Us page should include the physical address and contact details of ICTAK with a contact us form with custom validations



2. ICTAK Student Enrollment System

Overview: ICTAK Student Enrollment System should enable the participants to enroll in their preferred course and thereby automatically generate the student profile.

Requirements:

1. Pages Required:
 - a. Home Page
 - b. ICTAK Enrollment Form
 - c. Student Profile
 - d. Admin Search Page (Filter & Report Generation)
2. SignUp and Login Modules for Students, ICTAK Employers, Admin
3. Students can add, submit, view & edit their personal details - Enrollment Form:
 - a. Name
 - b. Email
 - c. Phone
 - d. Address
 - e. Highest Qualification
 - f. Pass out Year
 - g. Skill Set
 - h. Employment Status
 - i. Technology Training
 - j. Year
 - k. Course
 - l. Photo
 - m. Fees (auto) + payment gateway
 - n. ID(auto)
 - o. Send an Email notification to participants with fee details & ID
4. ICTAK Employers can search for specific participants based on search criteria:
 - a. Qualification
 - b. Pass out year
 - c. ICTAK Course
 - d. Place
 - e. Exit Exam Mark
 - f. Employment Status
5. Admin should have the overall control over the website with CRUD operations on Students & ICTAK Employers.



3. **ICTAK Trainer Management System**

Overview: ICTAK Trainer Management System should enable the trainers to enroll in ICTAK Portal and thereby automatically generate the trainer profile. The Admin should be allowed to allocate the trainer to different courses and thereby block their calendars.

Requirements:

1. Pages Required:
 - a. Home
 - b. ICTAK Enrollment Form
 - c. Trainer Profile
 - d. Admin Allocation Form with Search/Filter Options
2. SignUp and Login Modules for Trainers & Admin.
3. Trainers can add, submit, view & edit their personal details - Enrollment Form:
 - a. Name
 - b. Email
 - c. Phone
 - d. Address
 - e. Highest Qualification
 - f. Skill Set
 - g. Current Company Name
 - h. Current Designation
 - i. ICTAK Courses Handling (Dropdown)
 - j. Photo
 - k. ID (auto)
 - l. Send an Email notification to trainers with ID & Type of Employment

This form needs to be sent to the Admin for approval. Once after the approval admin can assign the trainer with their type of employment- Internal, Empanelled, Industry Expert.

4. Admin can search for specific trainers based on search criteria:
 - a. Name
 - b. Skill Set
 - c. Type of Trainer
 - d. ICTAK Courses
5. Admin should be able to allocate the trainers with the following details:
 - a. Start Date
 - b. End Date
 - c. Time
 - d. Course Name
 - e. Course ID - DSA, FSD, RPA



- f. Batch ID - DSA001, DSA002
 - g. Meeting Link/Venue
 - h. Schedule - File Upload *
 - i. Send an Email notification to Trainer
6. Once the trainer is allocated with any course their calendar needs to be blocked within the system to avoid conflicts.
- * - Optional

4. *Digital Resume Builder*

Overview: A web app where users can add their details and download their digital resume and share it among their employers as a link / can download as a file.

Requirements:

- 1. SignUp and Login Module for Admin, End Users.
 - 2. Users can add and save and can edit their personal details
 - 3. Users should be able to download their Resume in different formats [Min 3 different designs].
 - 4. Users should be able to customize details in their Resume.
 - 5. Users should also be able to create a weblink for their resumes.
 - 6. Users can also add their personal introduction video and create a digital resume with Video *
- * - Optional

5. *ICTAK Tech Blog*

Overview: A blog Web Application for ICTAK students.

Requirements:

- 1. Sign Up and Login Modules for Students, Trainers, and Admin.
 - 2. Users and Trainers can create Blog Post and send to admins for Approval
 - 3. Admins can Approve Blogs and then make them available to the Home page.
 - 4. Admins can add categories to each Post.
 - 5. In the home, page Posts can be sorted category-wise.
 - 6. Add comment and Like Option to Registered Users*
- * - Optional

6. *ICTAK Hall Booking Portal*

Overview: Create an Online Hall Booking Portal for ICTAK where associates can book a conference room prior to their meeting on a particular day and time.

**Requirements:**

1. Associates Pages Required:
 - a. Login
 - b. Home Page
 - c. Booking Calendar
2. Admin Dashboard
 - a. Associates registration
 - b. Log of Booking details
3. Associate logging into the portal must be displayed with the Home Page with their current bookings for 1 week
4. Booking Calendar should show the current month with booking details and associate can navigate to previous and next month along with the booking details
5. The associate should be able to book only for the next 15 days and the rest should be restricted
6. Booking details
 - a. ICTAK ID
 - b. Associate Name
 - c. Hall Name
 - d. Date
 - e. Time Duration
7. An associate should be able to cancel/delete their own booking
8. Once booked, it should be blocked under the associate name with the hall, date&time
9. Admin should have the overall control over the website with CRUD operations on Associate and Booking

7. ICTAK Alumni Job Portal

Overview: Create a Job Portal for ICTAK Alumni.

Requirements:

1. Sign Up and Login Modules for Alumni, Faculty, Employers, Admin.
2. Admins, Faculties, and Employers can create a job posting.
3. All Visitors of the web app can see Posting and Only registered Alumni can respond to Job Posting
4. Response to a Job Posting is a submission of a pdf file or Online Link.
5. A Job Posting Must have a Cut-off date and the response button should be automatically disabled after the cut-off time and date.
6. Admins can verify the submissions to a post and forward it to the Employer / Post Owner.