


Criterion 3: Research, Innovations and Extension

3.2.2 Number of workshops/seminars/onference including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

OPPURTUNITY OF COMMERCE GRADUATES IN IT SECTOR



CAMPUS

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SAINTGITS COLLEGE OF APPLIED SCIENCES PATHAMUTTOM, KOTTAYAM

PG DEPARTMENT OF COMMERCE

REPORT FOR ALUMNI INTERACTION MODULE (AIM)

Speaker: Mr. Bobin Abraham (2006-09)

Topic: The opportunities of Commerce Graduates in IT Sector

The alumni interaction was held on 20th February 2021 on the topic Opportunities of Commerce Graduates in IT Sector. The session was attended by 50 attendees including students and the faculty of the commerce department.

During the session Mr. Bobin shared his experience from college and work. The entire session was very informative and he guided the students regarding various opportunities for commerce graduates in the IT sector. He answered with great interest queries from students regarding various designations, career and work life. The whole session was very interactive and energetic.

Q&A

Q.1. To move directly from commerce to the IT sector is a challenging job. How do you manage it?

Ans: As our discipline is commerce, a sudden change is not possible. We need proper training and experience to cope with the changes. I took MCA for post-graduation. It helped me to acquire knowledge and experience in IT.

Q.2. Work profile?

Ans: App development.

Q.3 How do you get updated with drastic changes in IT?

Ans: We are going through regular training to get updated. Sometimes the company itself provides training. Otherwise they suggest online courses related to the job profile.

Q.5 Are you getting a good salary package?

I am getting an excellent salary package in UVJ technologies.


Q.6 How B Com computer applications helped you in MCA?





As compared to other B Coms like taxation, finance etc. Computer application will be more helpful in MCA

Q.7 Is it stressful work?


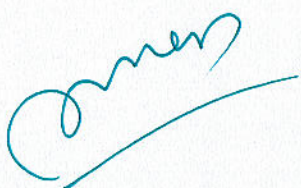

App development is done with care, but it is not stressful as compared to software development. However, it depends upon the type, time and software application.

Prepared By, 
Asst. Prof. Lima Lukose

Verified By, 
Asst. Prof. Anish B Bhaskran


Approved By,
Prof. M C Joseph

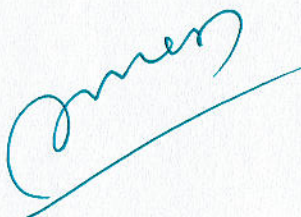
Asst. Prof. Anish B. Bhaskaran
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BOBIN ABRAHAM

I am looking for the opportunity where I can effectively utilize my pertinent training, experience, knowledge and professional skills.

- Almost 8 years of experience in **Mobile developing** and managing applications in platforms like **iOS, Android** and **Java**
 - Hands on experience in mobile cross platform frameworks such as **KONY**
 - Have good knowledge in **JQuery Mobile, Sencha , JavaScript HTML5** and **CSS3**
 - Good knowledge in Defect tracking and management and versioning tools like **SVN, TFS, Git**
 - Proven successful track record in leading and working with different R&D teams.
 - Ability to grasp new technologies & tools quickly and apply them in the projects and Willing to learn new technologies and capable to work under tight schedule of the project
 - Actively involved in CSR activities, Company Cricket team etc.
 - Final round qualifier in **Hackathon** conducted by CII at Kharadi, Pune.
-
- **Operating System** : Windows, Android, Linux, iOS.
 - **Languages** : Objective C, SWIFT, Java, JavaScript, HTML, SQL
 - **Databases** : Oracle, MySQL, SQLite
 - **Cross platform Technologies** : Kony, Sencha
 - **Web Applications/Servers** : WebLogic, Tomcat
 - **Tools** : Xcode, Android Studio, Kony One Studio 6.5
-
- Working as **Software Developer** for **UST Global** from June 2013 to July 2016
 - Working as **Senior Software Engineer** for **UVJ Technologies** from July 2016 to till date



Project: 1

Environment : iOS
Role : Developer
Target Device : iPhone, iPad, AppleWatch
Technology : SWIFT, XCode, REST Web services.

Project Details

MudraBand is an iOS application targeted for the owners of MudraBand device. This app helps to configure the MudraBand wearable device using the bluetooth connectivity. It has the capability to capture the user data specific to the device including the calibration and hand preference. This enables the user to handle the incoming call using the gestures. It also showcases the details regarding the pressure, data signals and gestures in a graphical way to the user based on the input given by the user with his/her hand movement.

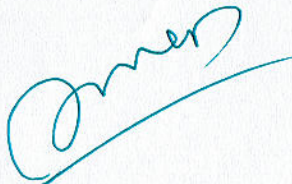
Roles & Responsibilities:

- ✓ Design of UI, which includes creations of screens, popups, Alerts and Confirmations.
- ✓ Coding and best practice implementation in SWIFT.
- ✓ Learning the SDK of Mudra to implement the connectivity
- ✓ Integration of JSON services which includes the parsing of response getting from server.
- ✓ Support the application by fixing the issues/bugs reported by client and his team members
- ✓ Working with client to discuss and implement the enhancements/Suggestions
- ✓ Participate in Unit Testing and System Testing.
- ✓ Integrating frameworks for Analytics
- ✓ Handling the logging and log file uploading

Project: 2

Environment : iOS
Role : Developer
Target Device : iPhone, iPad, AppleWatch
Technology : SWIFT, XCode, REST Web services.

Project Details



In order to demonstrate the working of MudraBand in various use cases, we developed various independent applications namely MudraPaint, MudraCamera, MudraTimer and MudraSnake. All of these apps providing a touch free experience for the user to make drawings, taking photos , settings timer and playing the game.

Roles & Responsibilities:

- ✓ Design of UI, which includes creations of screens,popups, Alerts and Confirmations.
- ✓ Coding and best practice implementation in SWIFT.
- ✓ Integration of JSON services which includes the parsing of response getting from server.
- ✓ Learning the SDK of Mudra to implement the connectivity
- ✓ Support the application by fixing the issues/bugs reported by client and his team members
- ✓ Working with client to discuss and implement the enhancements/Suggestions
- ✓ Participate in Unit Testing and System Testing.

Project: 3

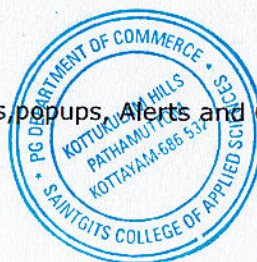
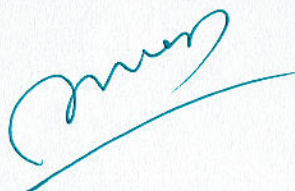
Environment	: iOS
Role	: Developer
Target Device	: iPhone, iPad
Technology	: SWIFT, XCode, REST Web services.

Project Details

RackManager is a mobile application intended to help the hardware team specifically the site owners and consultants .This app is helping them to get a detailed information about each of their sites, which includes Building details, Room details, Cabinet details, Asset details and Connection details between the assets in cabinets. The site owner can add new sites with all the required details and he can assign the consultants to selected sites. Based on the privileges the consultant can manage the cabinet and asset details.This app also provides a graphical representation of cabinets with in a room and the assets with in a cabinet.The graphical representation is a editable tool so its make it easy for the user to update the details of cabinets and assets easily

Roles & Responsibilities:

- ✓ Design of UI, which includes creations of screens,popups, Alerts and Confirmations.



- ✓ Coding and best practice implementation in SWIFT.
- ✓ Integration of JSON services which includes the parsing of response getting from server.
- ✓ Support the application by fixing the issues/bugs reported by client and Internal Testers.
- ✓ Working with client to discuss and implement the enhancements/Suggestions
- ✓ Participate in Unit Testing and System Testing.
- ✓ Releasing QA, Development and Production builds in Fly builds

Project: 4

Environment	: iOS
Role	: Developer
Target Device	: iPhone, iPad
Technology	: SWIFT, XCode, REST Web services.

Project Details

Eye exam is the industry-leading mobile application offering fun, easy-to-use and patent pending, vision screening tests as well as as a GPS based eye doctor locator with over 28,000 registered eye care providers with more offices added daily. This app enables to connect with your doctor and using iOS device to schedule appointments ,view and claim special offers and promotions , check you individual vision insurance benefits and learn more about your eyes by searching the mobile dictionary.

App store link :<https://itunes.apple.com/in/app/eyexam/id357290178?mt=8>

Roles & Responsibilities:

- ✓ Design of UI, which includes creations of screens,popups, Alerts and Confirmations.
- ✓ Coding and best practice implementation in SWIFT.
- ✓ Integration of JSON services which includes the parsing of response getting from server.
- ✓ Support the application by fixing the issues/bugs reported by client and Internal Testers.
- ✓ Working with client to discuss and implement the enhancements/Suggestions
- ✓ Participate in Unit Testing and System Testing.
- ✓ Releasing QA, Development and Production builds in Test Flight



Project: 5

Environment : iOS
Role : Developer
Target Device : iPhone
Technology : Objective C, XCode, REST Web services.

Project Details

An application which act as a complete aid for a user who wants to dining into a restaurant. It handles all the functionalities right from the reservation to final payment for a restaurant.

User can search the restaurants around. The application will provide the detailed list and user can make reservations, He/She can dine in to restaurant with specified number of guests. Once user done with his dining, he can send a notification for the payment via the application. Application supports card payment, user can update the card details in the application and save that for future orders. Cash payment option also available.

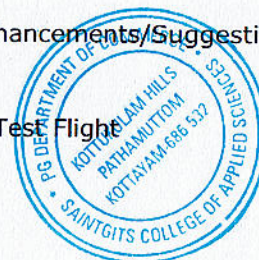
Application provides the various kind of coupons and promo codes for all users like Referral Coupon, Discount coupon, New user coupons etc. They can make use the promo codes while doing the payments

All the functionality are enabled with proper notification. User will be acknowledged with corresponding notifications each time so that he can act upon the app accordingly with out any confusion.

apple store link : <https://itunes.apple.com/in/app/joyous/id913471893?mt=8>

Roles & Responsibilities:

- ✓ Design of UI, which includes creations of screens, popups, Alerts and Confirmations.
- ✓ Coding and best practice implementation in Objective C.
- ✓ Integration of JSON services which includes the parsing of response getting from server.
- ✓ Support the application by fixing the issues/bugs reported by client and Internal Testers.
- ✓ Participate in Daily scrum calls with client.
- ✓ Working with client to discuss and implement the enhancements/Suggestions
- ✓ Participate in Unit Testing and System Testing.
- ✓ Releasing QA, Development and Production builds in Test Flight



Project: 6

Environment : iOS
Role : Developer
Target Device : iPad
Technology : Objective C, XCode, Core Data, REST Web services.

Project Details

An application which act as a complete tool for a restaurant owner who wants to digi-
tize the functionalities with in a restaurant. It handles all the functionalities right from the
reservation to final payment with in a restaurant.

There is both admin and user modules with in the application

Admin functionalities include Report Generation, Shift Management, Staff Details, Seat Map-
ping etc.

User functionalities include Seat Assignment, Making Dining task, Making cash payment ,
Freeing tables, Daily Reports

Application working in sync with the consumer app running over iPhone devices.Both the
application are communicating each other via service apis and notifications.

apple store link : <https://itunes.apple.com/in/app/joyous-for-restaurant/id977632906?mt=8>

Roles & Responsibilities:

- ✓ Design of UI, which includes creations of screens,popups, Alerts and Confirmations.
- ✓ Coding and best practice implementation in Objective C.
- ✓ Integration of JSON services which includes the parsing of response getting from server.
- ✓ Support the application by fixing the issues/bugs reported by client and Internal Testers.
- ✓ Participate in Daily scrum calls with client.
- ✓ Working with client to discuss and implement the enhancements/Suggestions
- ✓ Participate in Unit Testing and System Testing.
- ✓ Releasing QA,Development and Production builds in Test Flight

Project: 7

Environment : iOS
Role : Developer
Target Device : iPhone
Technology : Objective C, Xcode, Core Data, Restful Web services.



Project Details

As part of digital transformation, innovative plugin solutions are developed which can be integrated with new or existing mobile applications. Some of the solutions are: Proximity sensing, Offline indoor mapping, Database Interfacing, Analytics Framework, Customizable widgets.

- ✓ design UI of the application.
- ✓ Coding and best practice implementation in Objective C.
- ✓ Debugging and issue fixing.
- ✓ Build generation and distribution for project submission
- ✓ Participate in Unit Testing and System Testing

Project: 8

Environment : iOS
Role : Developer
Target Device : iPhone
Technology : Objective C, Xcode, Core Data, openCV framework

Project Details

As part of digital transformation, an Image processing engine was developed for image searches and pattern matching, which could be reused in various verticals like retail, healthcare and so on. A real time image captured using camera is processed and its match is retrieved from the database using openCV algorithms.

- ✓ design UI of the application.
- ✓ Coding and best practice implementation in Objective C.
- ✓ Debugging and issue fixing.
- ✓ Build generation and distribution for project submission
- ✓ Participate in Unit Testing and System Testing

Project: 9

Environment : J2ME
Role : Developer
Target Device : Low end J2ME Mobile phones
Software Used : Eclipse, JAVA ME Plugin

Project Details

This application manages all most all kind of banking activities for a customer. It is having mainly two modes of operations SMS and GPRS. SMS mode is similar to an offline mode, where all transactions are happening through SMS communications. In the case GPRS mode, which is the regular online mode of application through which user can avail



Owner

the various functionalities by using the GPRS connectivity provided by the respective service provider (SIM). Application mainly having the functionalities Account Summary, Fund Transfer, Top-up and Recharge, Mcommerce, Bill payments, Requests and Profile Settings. The design of the application was device specific and so the look and feel of the application was slightly different over Small, Medium and Large screens.

Roles & Responsibilities:

- ✓ Design of UI, which includes creations of Forms, Alerts and Confirmations.
- ✓ Integration of JSON services which includes the parsing of response getting from server
- ✓ Java coding for UI development
- ✓ Support the application by fixing the issues/bugs reported by client and Internal Testers
- ✓ Participate in Daily Status calls
- ✓ Participate in Unit Testing and System Testing

Project: 10

Environment	: Kony
Role	: Developer
Target Device	: iPhone
Technology	: Kony studio, Eclipse ADT, XCode

Project Details

This application is developed using a java based cross platform framework called Kony Studio for the iPhone device. The application is meant for the crew members of Masco who are taking work orders of their clients. The crew members can join the crew through the login process and then they can take the work orders one by one. At each stage of the work order either work in progress, complete or incomplete they can update the work order status respectively. The application shows the geolocation of the work site with proper driving directions in order to help the crew to arrive at their work site easily. The application also sending time slices on a crew basis (Drive, Install...) and also on a crew member basis (Lunch, End Lunch...) to the database. This time slices are considering for the employee payment calculations (indicating their productive hours).The application supporting the off-line mode of working also

Roles & Responsibilities:

- ✓ Design of java Services(Employee Authentication, Employee Confirmation, Time slice Service) and their development



Ames

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- ✓ Deployment of java services in WebLogic server
- ✓ JavaScript coding for functionality implementation from UI
- ✓ Support the application by fixing the issues/bugs reported by client and Internal Testers
- ✓ Participate in Daily Status calls
- ✓ Participate in Unit Testing and System Testing
- ✓ Preparation of System Appreciation Document(SAD)

Degree	Institute	%/CGPA
MCA	MG University Kottayam	77.59%
Bcom Computer Application	MG University Kottayam	87.37%
XII	Kerala State Higher Secondary Board	83.67 %
SSLC	Kerala State Board	89.83 %

TRAININGS

- Trained in Sencha Touch, JQuery Mobile, Android SDK, iOS SDK
- Mobile QA

CERTIFICATION

- IOS Developer Certification
- RHCSA
- RHCE
- RAD
- DB2

I hereby declared that the above statements are true to the best of my knowledge.

Place: Cochin

Date: Sep 8th, 2021

BOBIN ABRAHAM

