



TANGENT ProBiz

INTERSHIP REPORT :

(23th February 2021 to 24th March 2021)



AMC ENGINEERING COLLEGE
Department of Master of Computer Application

Applying intelligent to make
technology work

SUBMITTED BY :

FAIZAN KHAN

1AM18MCA01

DEPARTMENT OF MASTER OF COMPUTER APPLICATION,
AMC ENGINEERING COLLEGE BANGALORE



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*Applying intelligence to make
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INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. Faizan khan (IAM18MCA01) student of AMC Engineering College has successfully completed his Internship in our organization for the period of 23rd February 2021 to 24th March 2021.

His performance and conduct during this period was good. We wish all the best in future endeavor.

Thanking You,
For Tangent Pro Biz

Kjain

TANGENT PRO BIZ
80, Krishna Reddy Colony
Dombivli Layout, Bangalore-560 071
Mr. Karan Jain
(HR Manager)

www.tangentprobiz.com

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CONFIRMATION OF INTERNSHIP

Dear Sir/Madam,

It is our pleasure to confirm that Mr. Faizan khan (1AM18MCA01) student of AMC Engineering College, Bengaluru will work with our company as an "Intern/Trainee" under the guidance of Mr. Ganesh D (Team Lead), Tangent ProBiz Bengaluru for the period of 23rd February 2021 to 24th March 2021.

Thanking You,

For Tangent Pro Biz

K Jain

TANGENT PRO BIZ

Mr. Karan Jain
#80, Krishna Reddy Colony,
Domlur Layout, Bangalore-560 071
(HR Manager)

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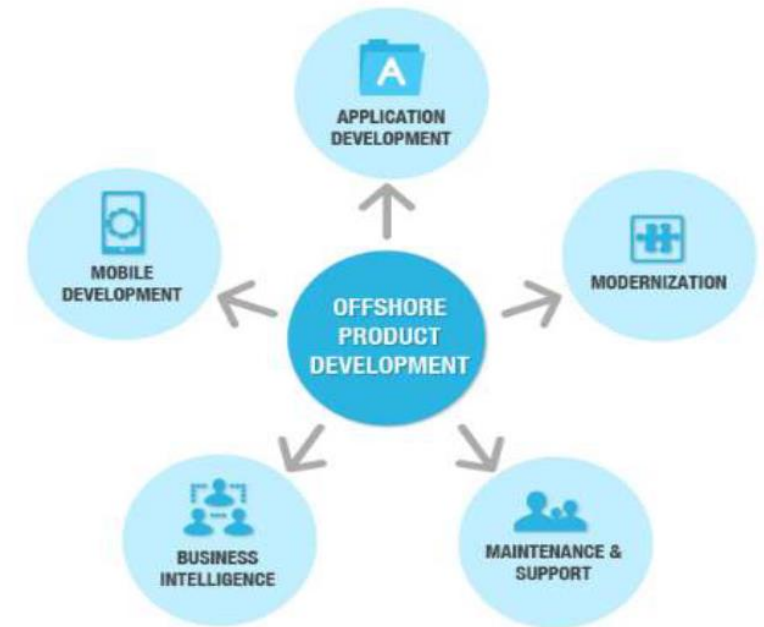
CONFIRMATION OF INTERNSHIP

ACKNOWLEDGEMENT

- ❑ I would like to thank Dr. **K. R. Paramahamsa** of AMC Engineering College for providing good infrastructure and Hi-tech lab facilities to develop and improve student's skills.
- ❑ I sincerely express my gratitude to the college Principle Dr. **A.G. Nataraj** for supporting the students in all their technical activities and giving guidance to them, I would like to thank Prof. Dr. ACMV. Srinivas, HOD, Department of MCA. AMC Engineering College for giving permission to undertake this project. I would like to express my gratitude to the project guide Sr. Mr. Ganesh D(Team Lead), Tangent ProBiz Bangalore for giving all the instruction and guideline at every stage of the Project work.
- ❑ I thanks all the staff member of the Department of Master of Computer Application, for extending their constant support to complete the project. I express my heartfelt thanks to my parents and friends who were a constant source of support and inspiration throughout the project.

COMPANY PROFILE

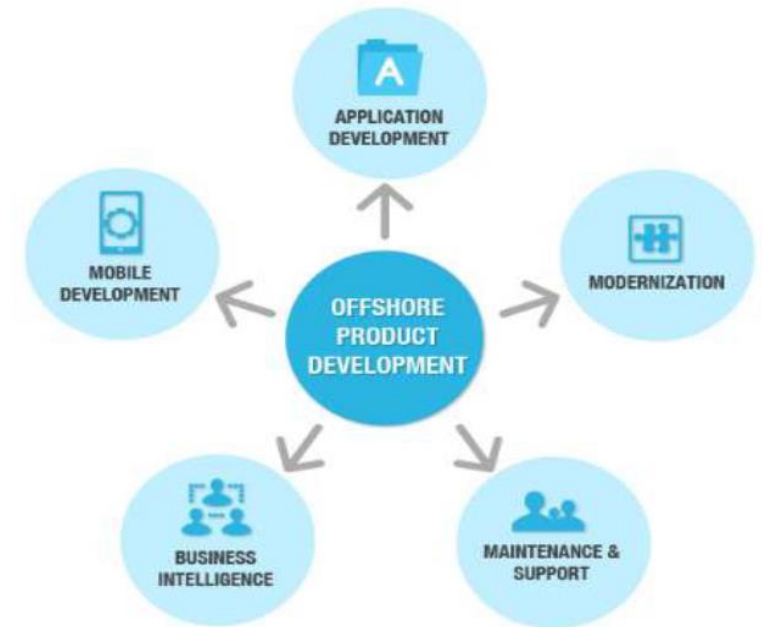
- As establish in 2010 all the related operational research and development services are provide the various organizations. The related expertise will help the client the client to associate the need it integrated work perfection according to the customized requirement as for every client related requirement analysis with related research methodology for implementation is oriented so that a well-define program perspective can be provide. The entire technology base is include for the required development and analysis as minute perceptions of the clients requirement taken so that optimized work services can be provided. The company provide multiple platform base business provisions to the client including different domains from finance to the development organization so that a working can be more optimized in differential working. The Global presence and the need conceptualization implementation to achieve the goal will help the organization the target more clients.



COMPANY PROFILE

Profile of the company

- ▶ Tangent established in 2010 with respect to provide different network association and operational activity based development and Research services. The company helps the business and organizations to become more competitive with respect to the different activity operations and resource required. Multiple expertise teams are associated to manage all the related Technology based operations and the related consultation required for the plan and research prospective.
- ▶ Multiple flexible commercial platforms are operated and managed to provide the understanding and coordination required for the business. Multiple Staging with respect to the development enhancement will be provided. Tangent empowers the clients to have all the relative innovative business conceptualization implementation for achieving the business goal and success. Tangent provides an effective network has association for multiple Global partners where all the related structured working can be




Mission and vision

- ▶ Tangent works on various usefulness based undertakings where distinctive sorts of affiliations are required as for the assets and regarding the advancement work control so in the methods for to deliver improved execution where we require an appropriate scientific comprehension of the working capital required to create diverse operational exercises unconcerned business imminent.
- ▶ Tangent administration considers calculative comprehension for all the distinctive everyday operations and the future necessities. All the separate programming arrangements that are required either on the premise of Pre constructed functionalities then again with thought of the customization the organization gives a detailed comprehension and execution.

The main working choices in terms of the association is listed below-

- ❑ Portable application administration
- ❑ Digitalization
- ❑ Generation observing
- ❑ Monetary counselling
- ❑ Application advancement
- ❑ Business Optimization
- ❑ Online Business stage outline
- ❑ Facilitating arrangements gave
- ❑ Rebuilding exercises
- ❑ Examination progressively will be embraced



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- ▶ Tangent works at different convenience base endeavours where unmistakable sorts of affiliations are required with respect the benefits and in regards to the headway work control so in the techniques for to convey enhanced execution where we require a suitable logical appreciation of the working capital required to make various operational activities unconcerned b inevitable

Tool and Methodology

Architecture

Common Language Infrastructure

- ❑ Common Language Infrastructure (CLI) provides a language-neutral platform for application development and execution. By implementing the core aspects of .NET Framework within the scope of CLI, these functions will not be tied to one language but will be available across the many languages supported by the framework.

Common Language Runtime

- ❑ .NET Framework includes the Common Language Runtime (CLR). It serves as the execution engine of .NET Framework and offers many services such as memory management, type safety, exception handling, garbage collection, security and thread management. All programs written for .NET Framework are executed by the CLR.
- ❑ Programs written for .NET Framework are compiled into Common Intermediate Language code (CIL), as opposed to being directly compiled into machine code. During execution, an architecture-specific just-in-time compiler (JIT) turns the CIL code into machine code.

Assemblies

- ❑ Compiled CIL code is stored in CLI assemblies. Assemblies are stored in Portable Executable (PE) file format, common on Windows platform for all dynamic-link library (DLL) and executable EXE files. Each assembly consists of one or more files, one of which must contain a manifest bearing the metadata for the assembly. The complete name of an assembly (not to be confused with the file name on disk) contains its simple text name, version number, culture, and public key token. Assemblies are considered equivalent if they share the same complete name.
- ❑ A private key can also be used by the creator of the assembly for strong naming. The public key token identifies which private key an assembly is signed with. Only the creator of the key pair (typically the person signing the assembly) can sign assemblies that have the same strong name as a prior version assembly, since the creator possesses the private key.

Class library

- ❑ .NET Framework includes a set of standard class libraries. The class library is organized in a hierarchy of namespaces. These class libraries implement many common functions, such as file reading and writing, graphic rendering, database interaction, and XML document manipulation. The class libraries are available for all CLI compliant languages. The class library is divided into two parts (with no clear boundary): Base Class Library (BCL) and Framework Class Library (FCL).
- ❑ BCL includes a small subset of the entire class library and is the core set of classes that serve as the basic API of CLR. For .NET Framework most classes considered being part of BCL reside in `mscorlib.dll`, `System.dll` and `System.Core.dll`. BCL classes are available in .NET Framework as well as its alternative implementations including .NET Compact Framework, Microsoft Silverlight, .NET Core and Mono.
- ❑ FCL is a superset of BCL and refers to the entire class library that ships with .NET Framework. It includes an expanded set of libraries, including the Windows Forms, ASP.NET, and Windows Presentation Foundation (WPF) but also extensions to the base class libraries ADO.NET, Language Integrated Query (LINQ), Windows Communication Foundation (WCF), and Workflow Foundation (WF).

- With the introduction of alternative implementations (e.g., Silverlight), Microsoft introduced the concept of Portable Class Libraries (PCL) allowing a consuming library to run on more than one platform. As the next evolutionary step of PCL, the .NET Standard Library was created retroactively based on the System.Runtime.dll based APIs found in UWP and Silverlight. New .NET platforms are encouraged to implement a version of the standard library allowing them to re-use extant third-party libraries to run without new versions of them. The .NET Standard Library allows an independent evolution of the library and app model layers within the .NET architecture.

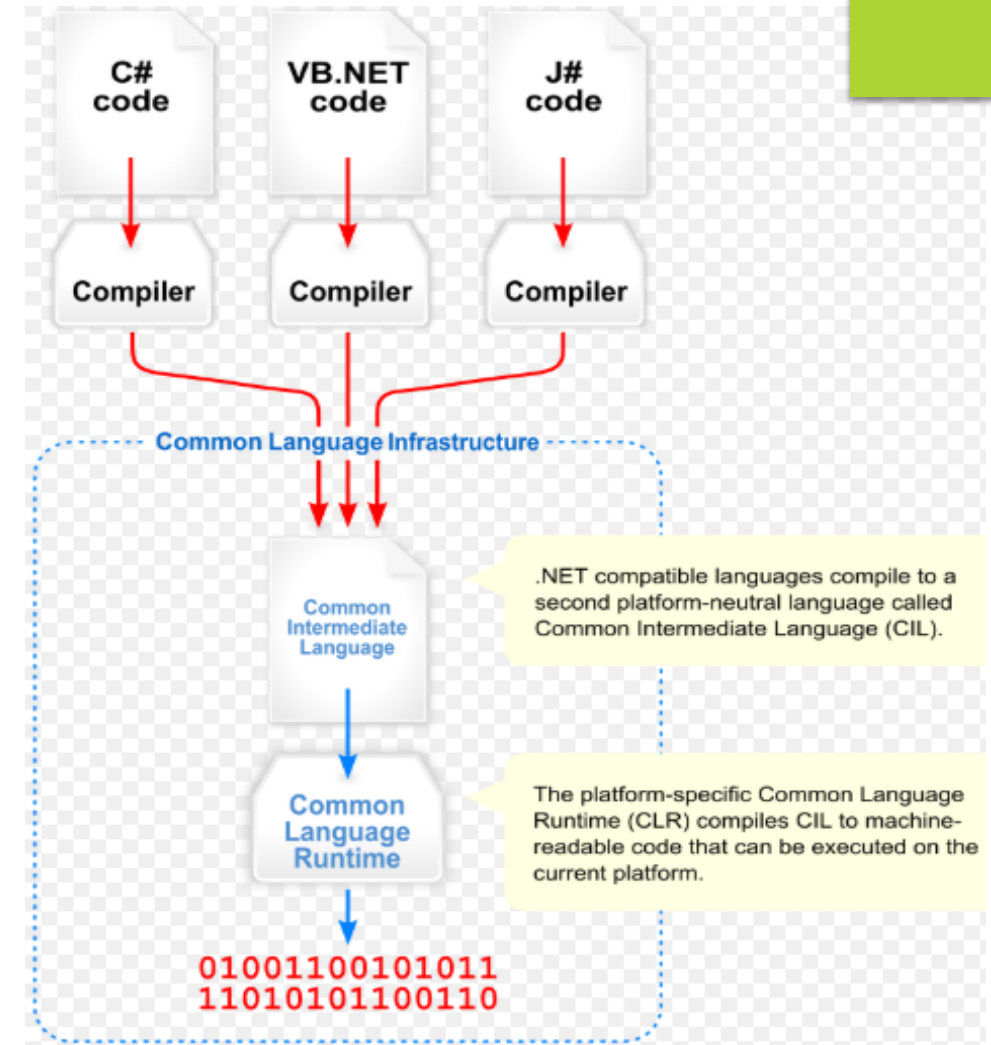


Figure
Common Language Infrastructure (CLI)

MySQL

- ❑ MySQL is based on a client-server model. The core of MySQL is MySQL server, which handles all of the database instructions (or commands). MySQL server is available as a separate program for use in a client-server networked environment and as a library that can be embedded (or linked) into separate applications.
- ❑ MySQL operates along with several utility programs which support the administration of MySQL databases. Commands are sent to MySQL Server via the MySQL client, which is installed on a computer.
- ❑ MySQL was originally developed to handle large databases quickly. Although MySQL is typically installed on only one machine, it is able to send the database to multiple locations, as users are able to access it via different MySQL client interfaces. These interfaces send SQL statements to the server and then display the results.

HARDWARE AND SOFTWARE REQUIREMENTS

Hardware requirements

Components

- ✓ Computer processor
- ✓ Clock speed
- ✓ Hard Disk
- ✓ Space RAM

Specification

- ✓ 4th generation Intel core i3
- ✓ 1.7 GHz
- ✓ 500GB
- ✓ 4GB

Software requirements

Components

- ✓ Operating System
- ✓ Visual studio 2019
- ✓ NET Framework 4.7.1
- ✓ Sql server 2014/Oracle
- ✓ Cloud service integration

Specification

- ✓ Windows
- ✓ To handle C# code
- ✓ To handle environment
- ✓ To maintain database
- ✓ Amazon S3 or EC2

Conclusion

- ❑ I can conclude that with the help of proper understanding of the requirements the design orientations are made easier and the internship help me in terms of implementing the theoretical perceptions in real-time consideration. According to the work consideration with the help of our system the activities related to different operations can easily be tracked and organized whereas all respective work perceptions are properly elaborated and will help to boost the functionality management in respect to different organizational clients. The system will use the integrated platforms to have a communicative understanding where all study with respect to the information required probing the understanding of different business associates.
- ❑ The system includes the facility to arrange the work as required plus multiple activities can be organized to provide effective way to have all in one work review with a flexible time understanding. The accomplishment can be achieved with all authenticated users that can be clubbed to the system all the single workspace defined by the admin as multiple setup options will be provided to conclude the monitoring and work liability requirements. All factors are available to help the trade management in respect to the requirements of the resources are included.