**Assignment Report**

Name: Rimpy Saini

Student Id:10369466

**Overview of C#……………………………**

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**Requirements…………………………………**

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**Assessment Detail ……………………………………**

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**Assessment Specification……………………………………**

**Innovations……………………………………**

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**Testing……………………………………**

**Overview of C#**

C# is a modern, general-purpose, object-oriented programming language developed by Microsoft and approved by European Computer Manufacturers Association (ECMA) and International Standards Organization (ISO).

C# was developed by Anders Hejlsberg and his team during the development of .Net Framework.

C# is designed for Common Language Infrastructure (CLI), which consists of the executable code and runtime environment that allows use of various high-level languages on different computer platforms and architectures.

The following reasons make C# a widely used professional language:

* It is a modern, general-purpose programming language
* It is object oriented.
* It is component oriented.
* It is easy to learn.
* It is a structured language.
* It produces efficient programs.
* It can be compiled on a variety of computer platforms.
* It is a part of .Net Framework.

# Assessment Details

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| Unit Title: | **Object Oriented Programming** |
| Unit Code: | B8IT117 |
| Unit Lecturers: | Paul Laird |
| Level: | 8 |
| Assessment Title: | Practical Programming |

**Assessment Specification**

Dublin Business School Library has decided to implement a new management software package; your task is to present the solution in Console format or GUI format.

Your program should provide a **Console-based UI** or a **form-based GUI** that allow for services such as

* Add student
* Add lecturer
* Search lecturer or student
* Show the details of all enrolled students

Show the names of all lecturers

**Requirements**

The project requires the following:

**Hardware**

Computer system

Keyboard

Mouse

**Software**

Visual studio 2015

**Innovation**

I added Getaverage and Getdivision Method in student class which shows the given student detail with student division .i used switch statement for the same.

**Testing**

**I tested 4 parts of Assignment.**

1. To return details of student with to string ,method.

2. To return details of lecturer with to string ,method.

3. TotalSalary should be 6300 for lecturer l1 for 2 months.

4. TotalFee should be 600 for s3 for 3 months.