**CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING**



**Advanced Computing Training School**

**Course Name:** PG- Diploma in Advanced Computing

**Batch:** March 2022

**Module Name:** MS.NET

**Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Max Marks: 40 Marks**

**PRN No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Duration: 2 Hours**

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# Set 1

**Tool:**      Visual Studio.net

               MySQL ( Connected Data Access Mode)

               .NET Framework

[ASP.NET](http://asp.net/) MVC

**Problem Definition**

1. Design and implement a Web based Learning Management System(LMS) as ASP.Net MVC  application.

2. Allow Web Application to have Home Page link “Training Topics” to  redirect for showing list of topics.

3. Web based application will show List of Topics which are going to be conducted during course execution by trainer.

4. Show details of each topic selected from List with following information:

•topic

•description

•faculty

•Location

5. Prepare necessary database table and apply validations wherever required.

6. Allow presenter to update existing topic details by clicking update link in details view.

7. Apply Bootstrap to all views with proper CSS classes.

8. Build solution using n-Tier architecture with the help of class libraries using  Data Access Layer, Business  Layer and MSQL Database.

9. Apply proper naming convention and indentation while writing Source code.

10. Demonstrate Application navigation and Visual studio Solution structure with the help of screen shots captured as  Images.

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**Signature of Student** **Signature of Evaluator** **Signature of Coordinator**