

**DEPARTMENT OF CSE(HONORS)**  
**SUBJECT CODE: 2 0 C S 3 0 1 6 A A -**  
**. N E T P R O G R A M M I N G ( E P A M )**

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**Lab12: ASP.NET MVC**

**Date of the Session: //**

**Time of the Session:            to \_\_\_\_\_**

**Learning outcomes:**

- Understanding the Usage of MVC.

**IN-LAB:**

1) Develop a web application to perform CRUD operations on EMP details using ASP.NET MVC.

**Code :**

**//Model Class :**

```
public class Emp
{
    public int EmpId { get; set; }
    public string EmpName { get; set; }
    public string EmpEmail { get; set; }
    public string EmpPhone { get; set; }
}
```

**//DbContextClass(View) :**

```
public class EmpContext : DbContext
{
    public EmpContext() : base("EmpContext")
    {
    }
    public DbSet<Emp> Emps { get; set; }
}
```

**//Controller Class :**

```
public class EmpController : Controller
{
    private EmpContext db = new EmpContext();

    // GET: Emp
    public ActionResult Index()
    {
        var emps = db.Emps.ToList();
        return View(emps);
    }
}
```

```

}

// GET: Emp/Create
public ActionResult Create()
{
    return View();
}

// POST: Emp/Create
[HttpPost]
public ActionResult Create(Emp emp)
{
    if (ModelState.IsValid)
    {
        db.Emps.Add(emp);
        db.SaveChanges();
        return RedirectToAction("Index");
    }
    return View(emp);
}

// GET: Emp/Edit/5
public ActionResult Edit(int? id)
{
    if (id == null)
    {
        return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
    }
    Emp emp = db.Emps.Find(id);
    if (emp == null)
    {
        return HttpNotFound();
    }
    return View(emp);
}

// POST: Emp/Edit/5
[HttpPost]
public ActionResult Edit(Emp emp)
{
    if (ModelState.IsValid)
    {
        db.Entry(emp).State = EntityState.Modified;
        db.SaveChanges();
        return RedirectToAction("Index");
    }
    return View(emp);
}

// GET: Emp/Delete/5

```

```

public ActionResult Delete(int? id)
{
    if (id == null)
    {
        return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
    }
    Emp emp = db.Emps.Find(id);
    if (emp == null)
    {
        return HttpNotFound();
    }
    return View(emp);
}

// POST: Emp/Delete/5
[HttpPost, ActionName("Delete")]
public ActionResult DeleteConfirmed(int id)
{
    Emp emp = db.Emps.Find(id);
    db.Emps.Remove(emp);
    db.SaveChanges();
    return RedirectToAction("Index");
}

protected override void Dispose(bool disposing)
{
    if (disposing)
    {
        db.Dispose();
    }
    base.Dispose(disposing);
}
}

```

**Outputs:**





