



CAYM Education Trust's

# SIDDHANT INSTITUTE OF COMPUTER APPLICATION

(Approved by AICTE New Delhi, Government of Maharashtra Recognised Savitribai Phule Pune University)

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## Participative Learning

The classroom atmosphere is maintained to be conducive, enabling learners to feel comfortable sharing their ideas and experiences and fostering healthy discussions.

Sr. No.	Details
1	Flipped Classroom
2	Tutorials
3	Case Study

Tutorials are taken based on following topics

1. Case studies for writing SSR
2. Examples of Use Case Diagram
3. Examples of E-R Diagram
4. Example of Class Diagram
5. Example of Sequence Diagram

Courses with case study based, problem solving using various methodologies, subject teacher has conducted various tutorials. Example is given below:

Course Title: **MT21 Optimization Techniques**

Tutorial 1: Linear Programming

Tutorial 2: Simplex Method & Two Phase Simplex Method

Tutorial 3: PERT and CPM

Tutorial 4: Game Theory





## 2. Course tutorials based on Problems

### Course: MT21 Optimization Techniques

Classroom > MCA II Year 2022-24 Semester III

Instructions Student work

### OT Assignments

Sarita Patil · Jun 7 (Edited Sep 26)

100 points

Submit All Assignments before 19/06/2023. If anyone fails to submit an assignment it will directly affect your internal marks.

OT Assignment 1.docx Word	OT Assignment no 3.docx Word
OT Assignment 4.docx Word	

Class comments

Add class comment

OT assignment 3 & 4.pdf

Open with Google Docs

Assignment No. 3

Page No: Gadgaon  
Date: / /

Q.3 Two phase Simplex Method

Max Z =  $3x_1 + 2x_2 + x_3 + 4x_4$

Subject to:

$$4x_1 + 5x_2 + 6x_3 - 2x_4 = 5$$
$$2x_1 - 3x_2 - 4x_3 + 5x_4 = 3$$
$$x_1 + 4x_2 + 2.5x_3 + 4x_4 = 6$$

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Files

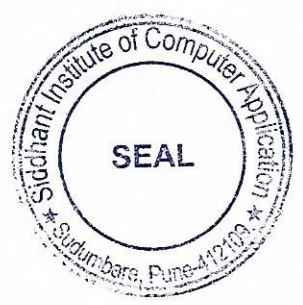
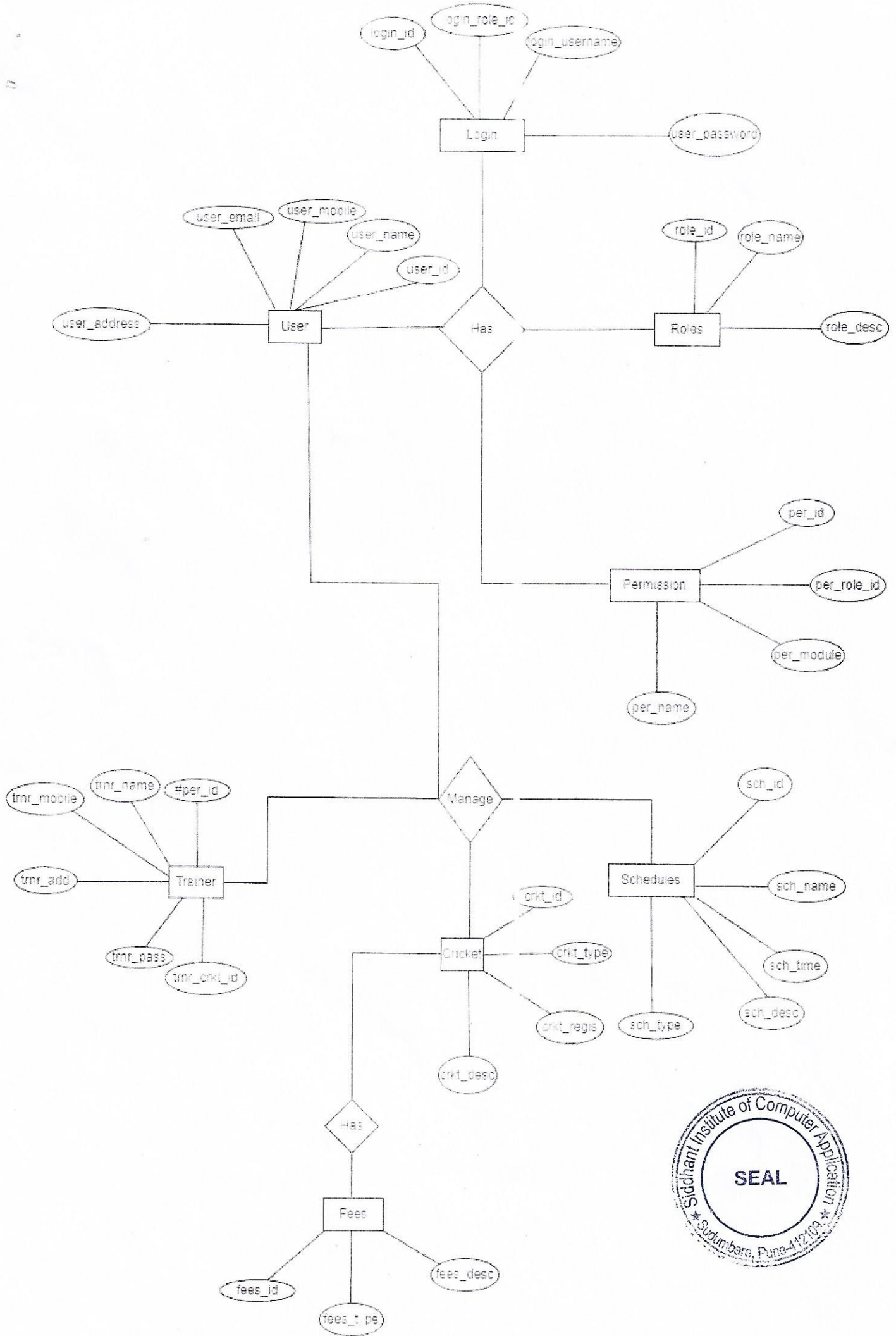
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OT assignment 3 & 4

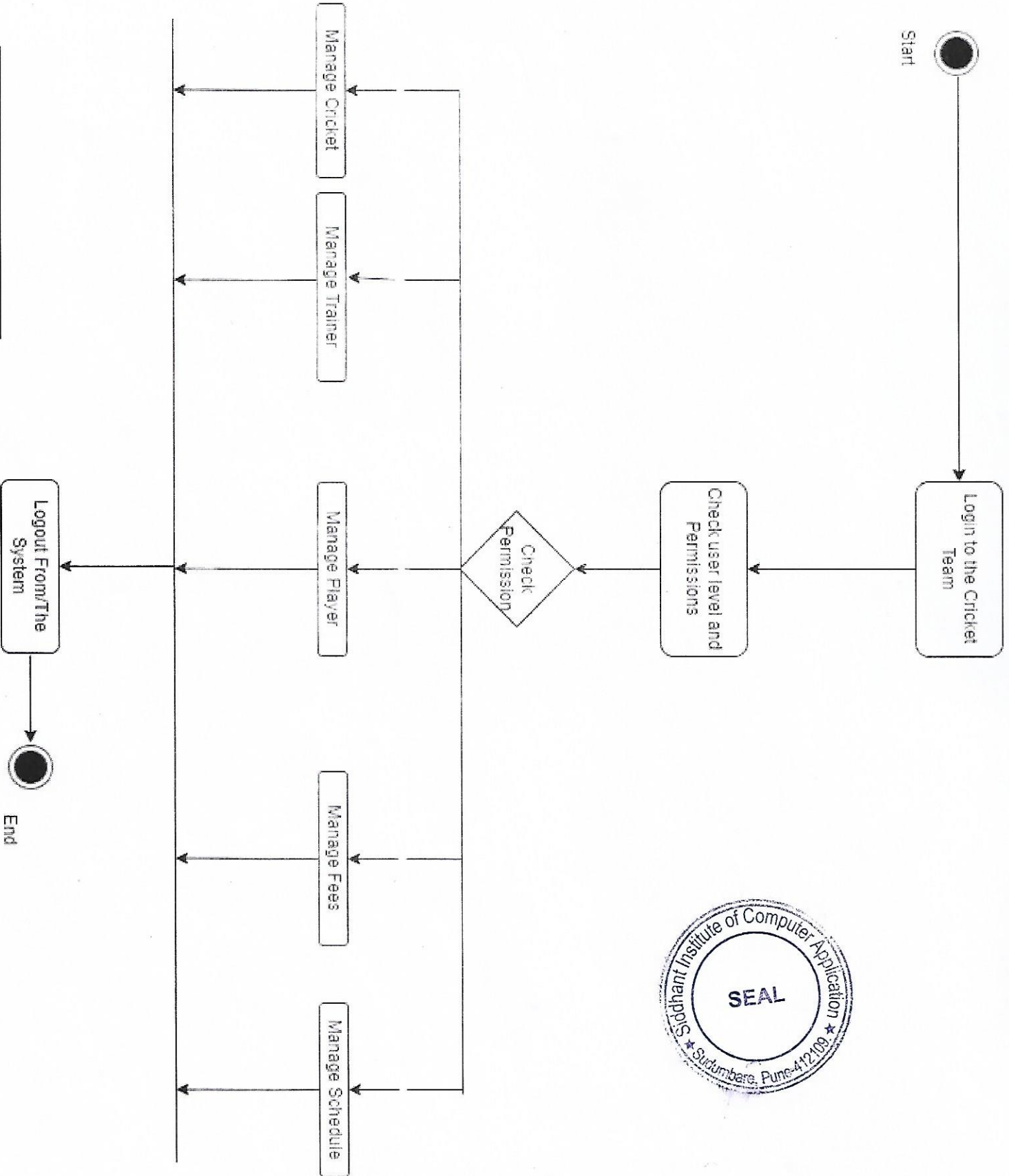
Grade /100

Private comments



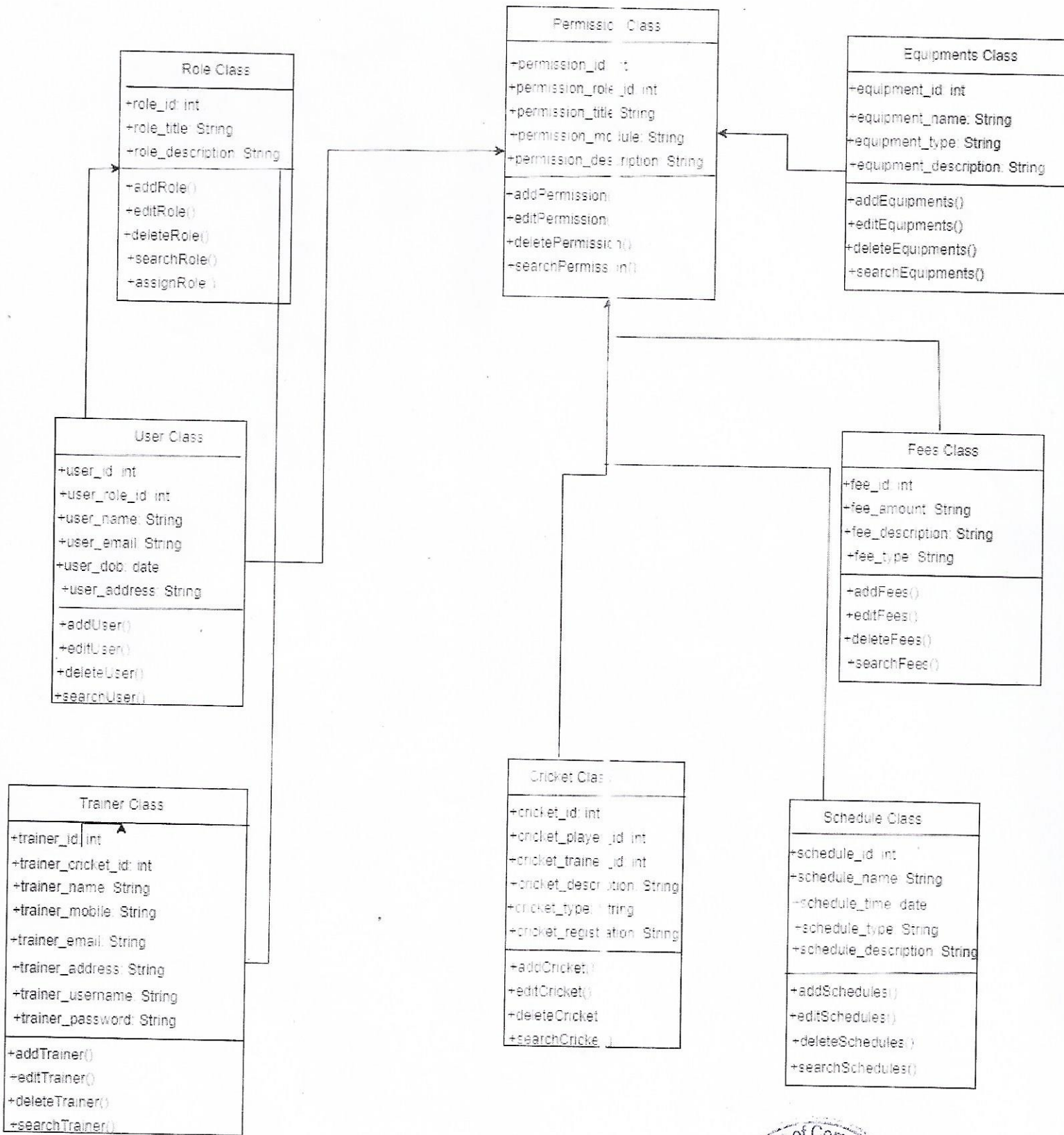


ER Diagram For Cricket Team



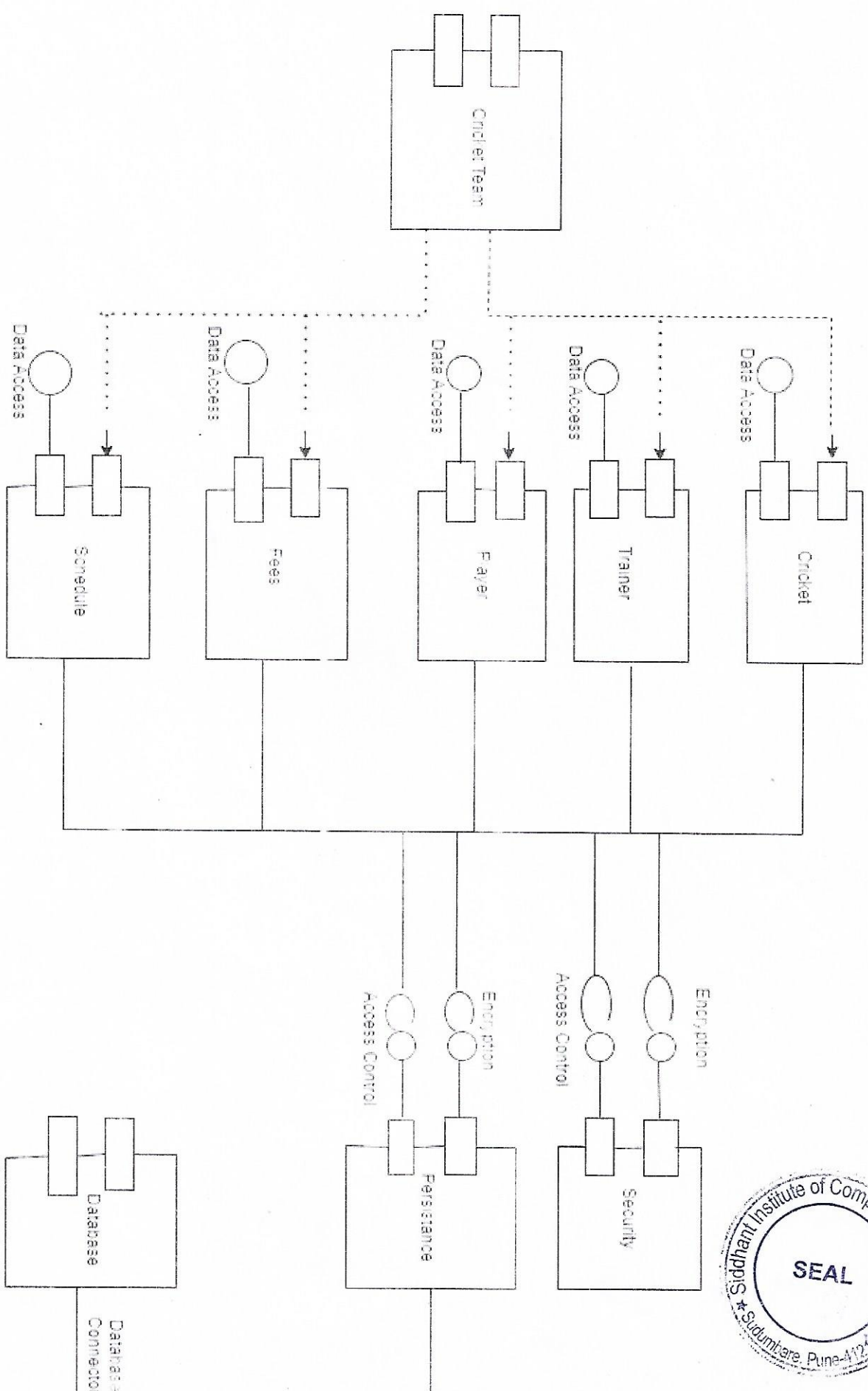
Activity Diagram For Cricket Team





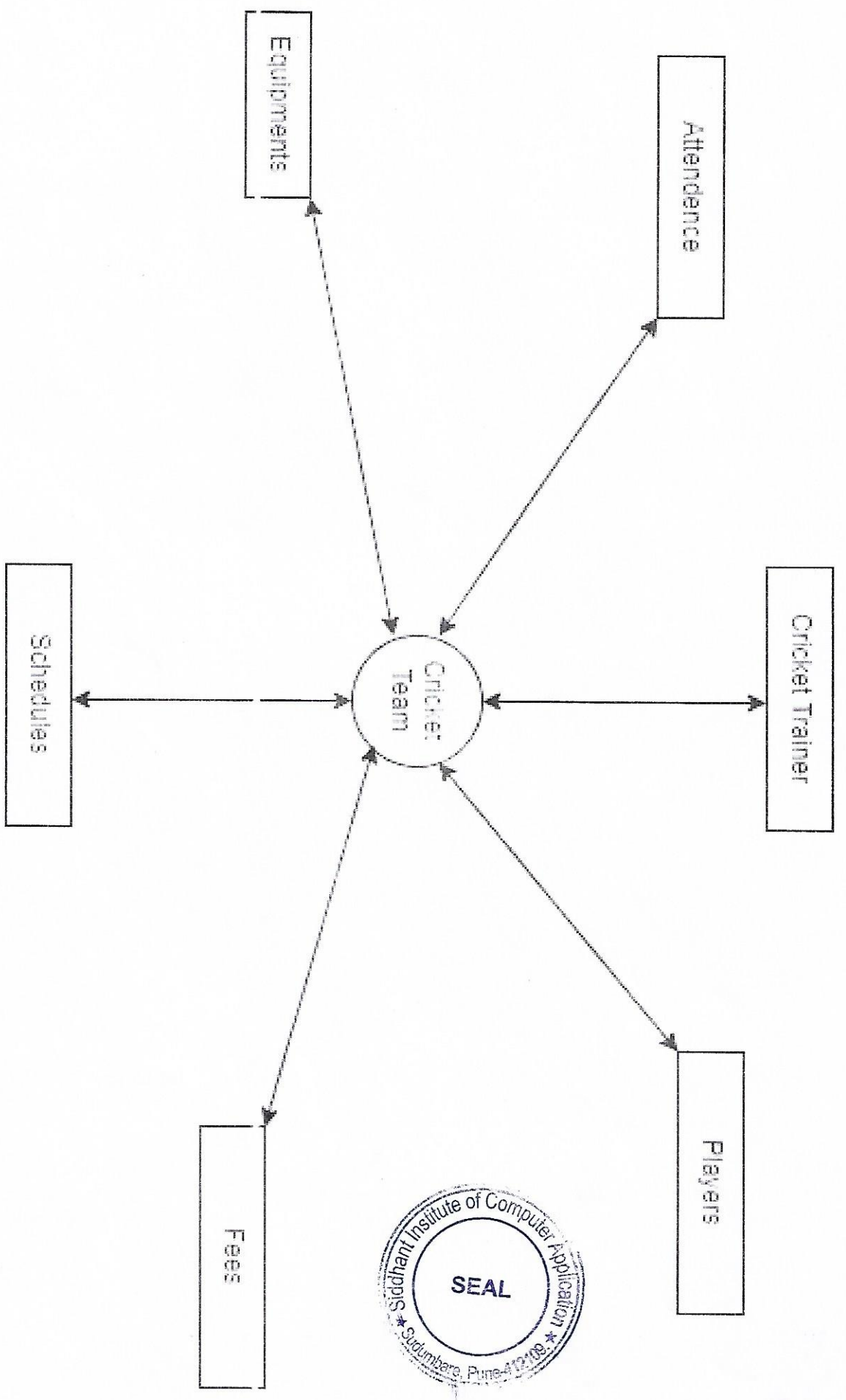
Class Diagram for Cricket Team



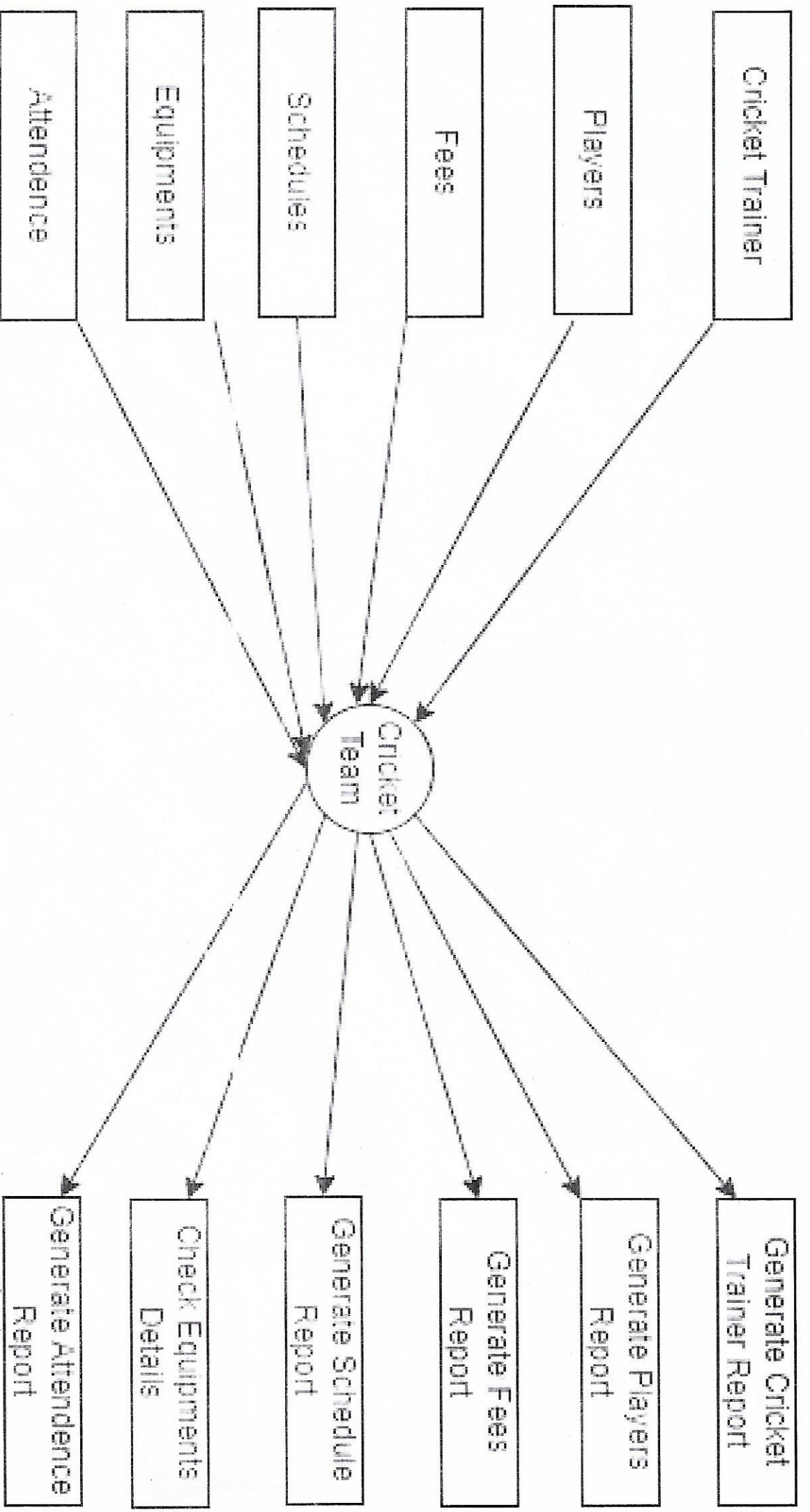


Component Diagram Cricket Team

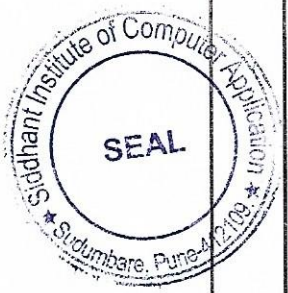




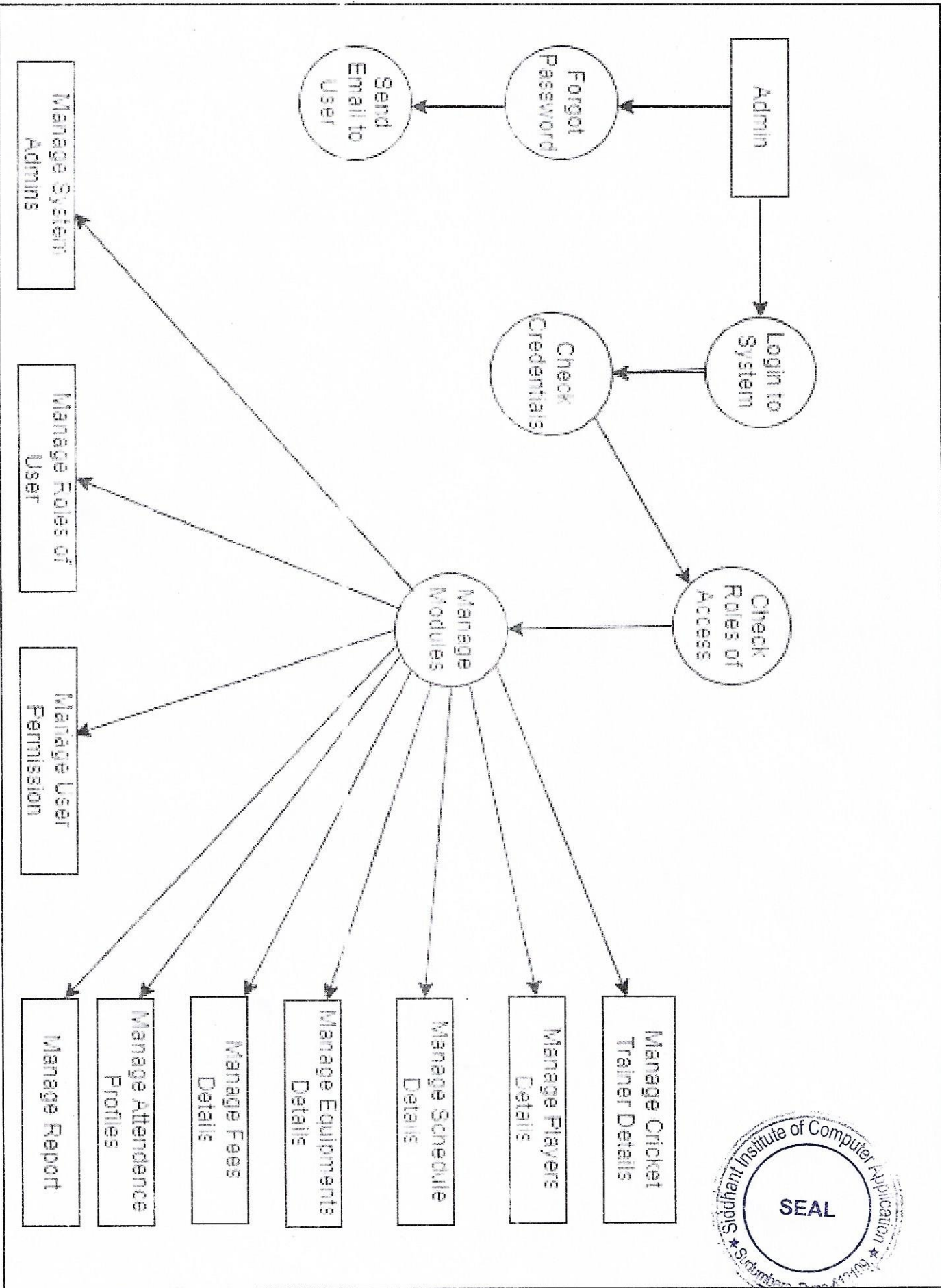
Zero Level DFD-Cricket Team



First Level DFD - Cricket Team

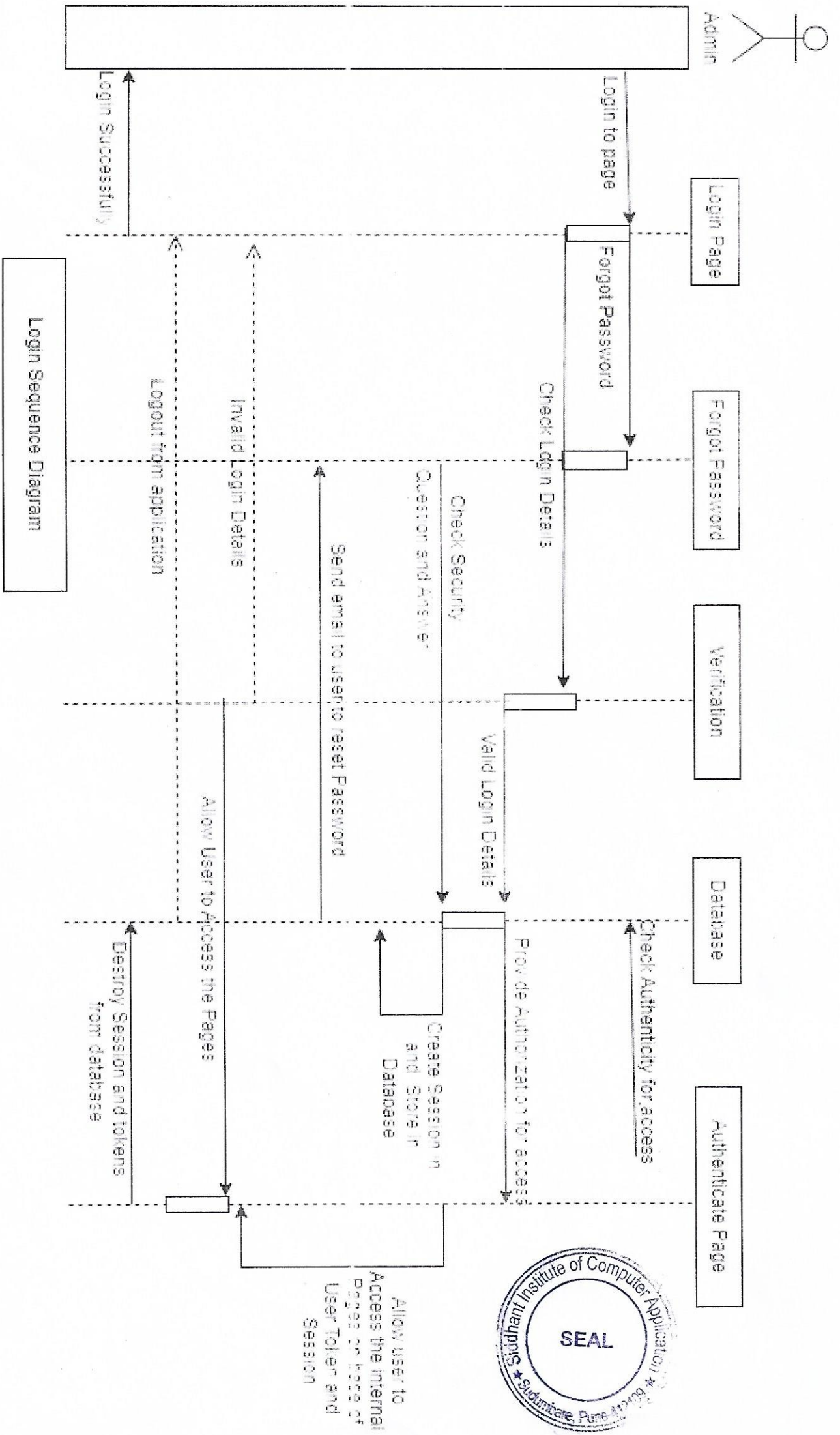






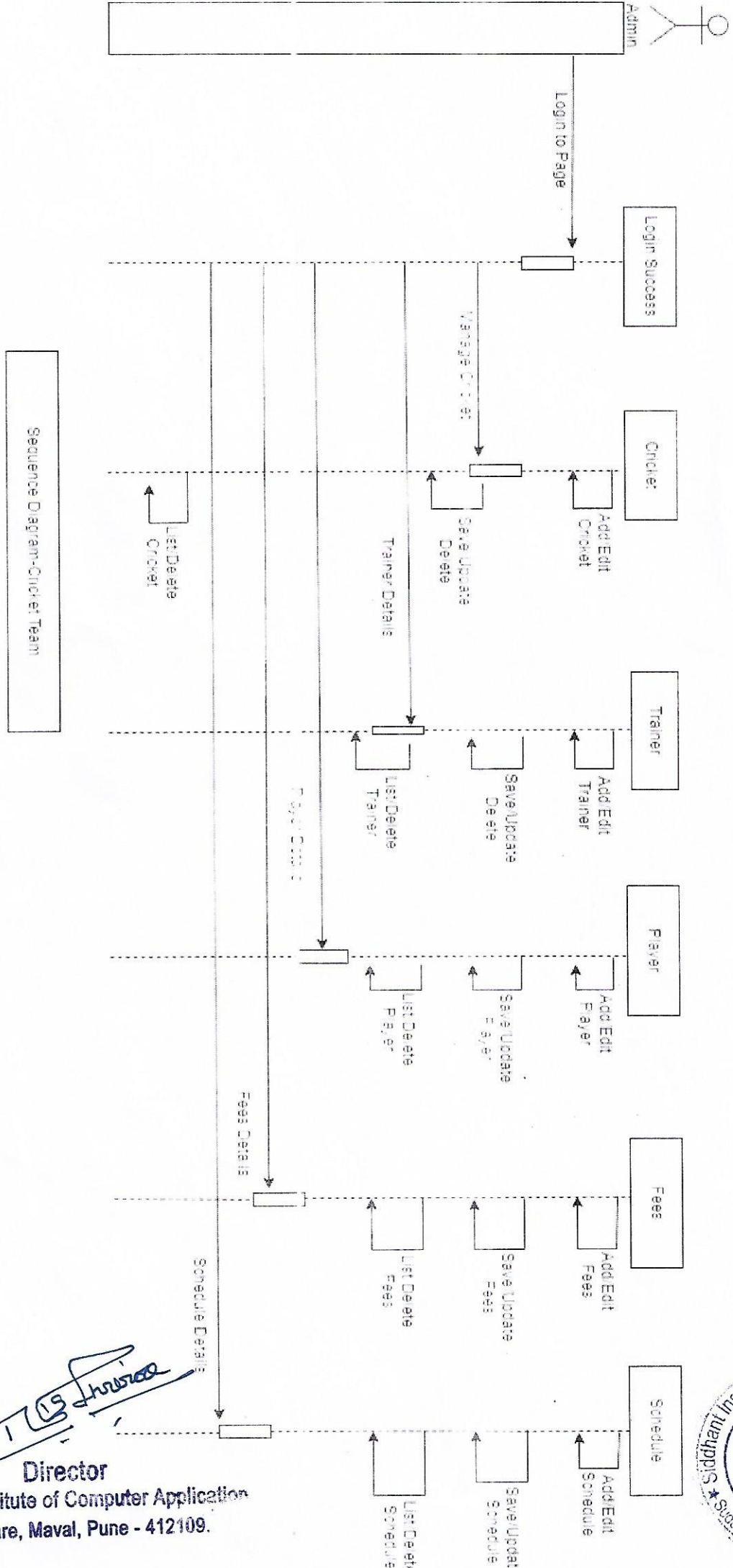
Second Level DFD - Cricket Team





Login Sequence Diagram





Sequence Diagram-Cricket Team

*S. S. Shivare*

Director

