



LokSewaShikshanBahuuddeshiyaMandal

Padm. Dr. V.B. Kolte College of Engineering

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Department:-Computer Science and Engineering

Academic Year:-2021-22

Department Activity :- Industry Expert Lecture

Summary Report

Date: -19/01/2022

Name of Expert: - Mr. Pranav A. Bhole, Senior Engineer manager, Software Development at Yahoo, San Jose, California.

Name of Programme :- Industry Expert Lecture

Date 19/01/2022

Class: - 2nd , 3rd & 4th year Computer Science and Engineering

Padm. Dr.V.B. Kolte College of Engineering, Malkapur, Department of Computer Science and Engineering organized an Industry Expert Lecture on **“Object Relational Mapping & Data Persistence using Hibernate & Spring”** on 19/01/2022 at our institute by online mode due to the pandemic situation of COVID-19. The aim of this program was to aware the students about current technology use in company and to aware students about that technology. Our institute always takes an initiative for the development of the students, and about their career.

The Industry Expert Lecture was conducted by Mr. Pranav A. Bhole, Senior Engineer manager, Software Development at Yahoo, San Jose, California on **“Object Relational Mapping & Data Persistence using Hibernate & Spring”** on 19/01/2022. This session was very informative and beneficial for students. The resource person guided students about the how to tackle with Hibernate and Spring, it's application and benefits in industry.

Total number of students attended the program is 70. HOD, program co-ordinator and faculties from department also attend program. Program is conducted by Google Meet.

Speaker: - Speaker Details -



Mr. Pranav A. Bhole,
Senior Engineer manager, Software Development at Yahoo, San Jose, California.

Date: 19/01/2022

Time: 01.00 pm


Google meet Link - <https://meet.google.com/okc-xtvh-xtt>

Banner




Padm. Dr. V. B. Kolte College of Engineering , Malkapur
Department of Computer Science and Engineering

Industry Expert Lecture on
Object Relational Mapping & Data Persistence using
Hibernate & Spring



Speaker
Mr. Pranav A. Bhole
Senior Engineer Manager,
Software Development at Yahoo



HIBERNATE

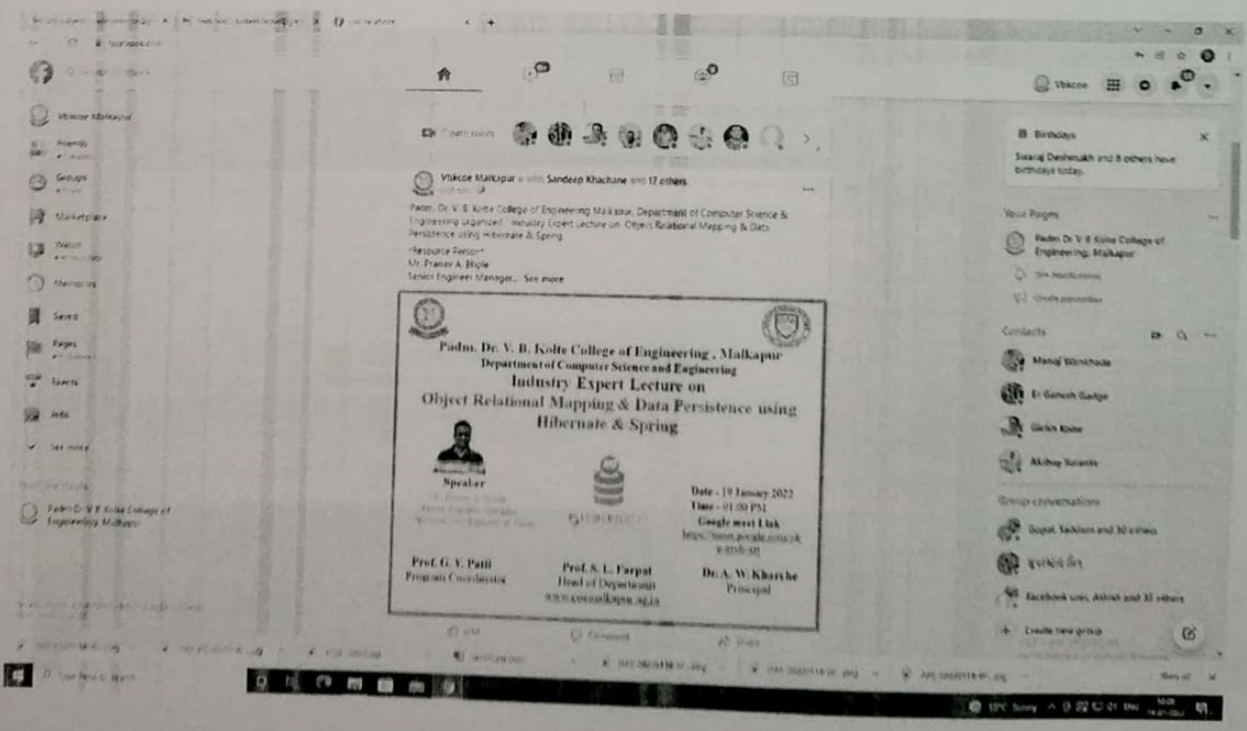
Date - 19 January 2022
Time - 01:00 PM
Google meet Link
<https://meet.google.com/ok-c-xtvh-xtt>

Prof. G. V. Patil
Program Coordinator

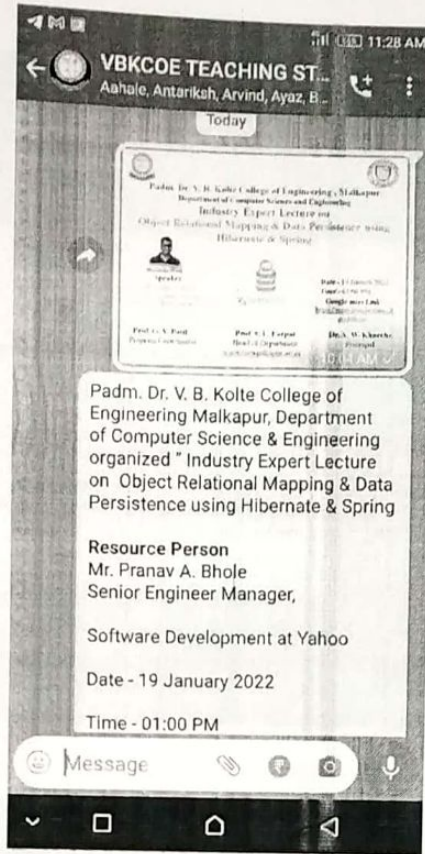
Prof. S. L. Farpat
Head of Department
www.coemalkapur.ac.in

Dr. A. W. Kharche
Principal

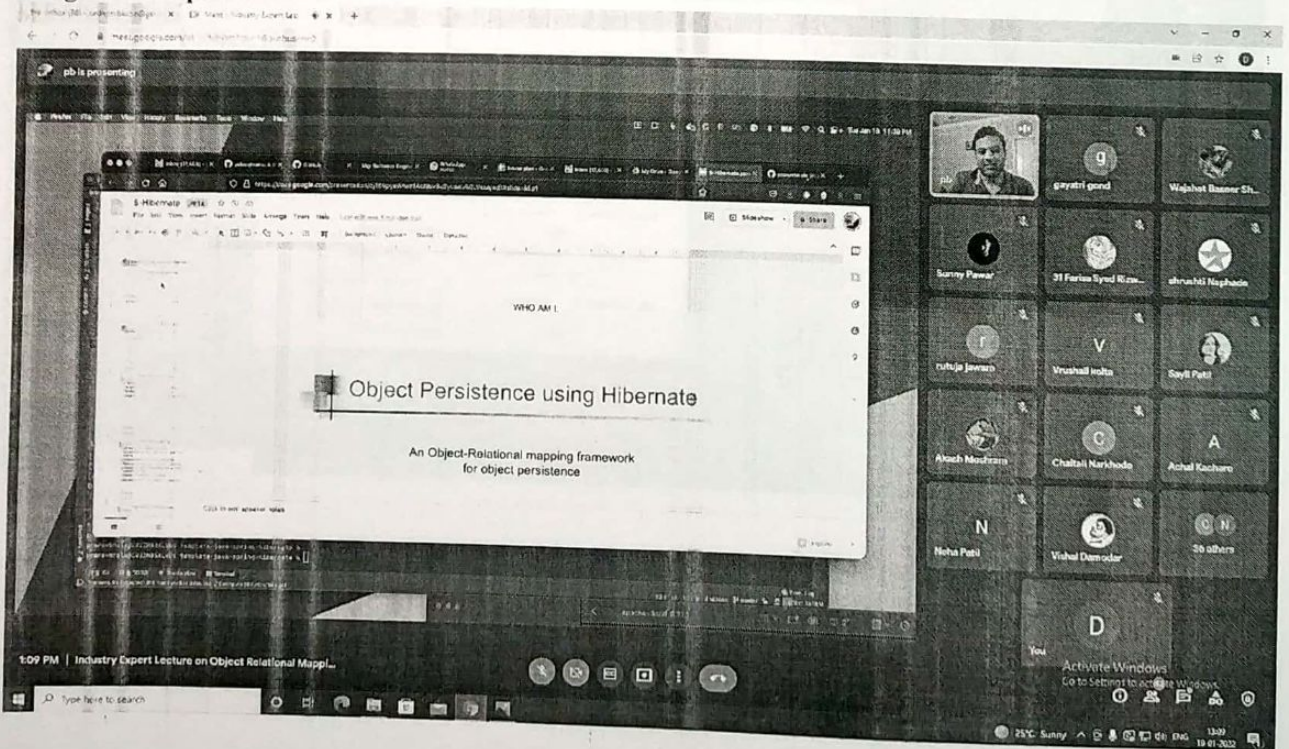
College Facebook



College WhatsApp Group



Program Snapshot



WHO AM I

What Hibernate Does

- Object - Relational mapping
- Transparent persistence & retrieval of objects
- Persistence of associations and collections
- Guaranteed uniqueness of an object (within a session)

1:13 PM | Industry Expert Lecture on Object Relational Mapping

WHO AM I

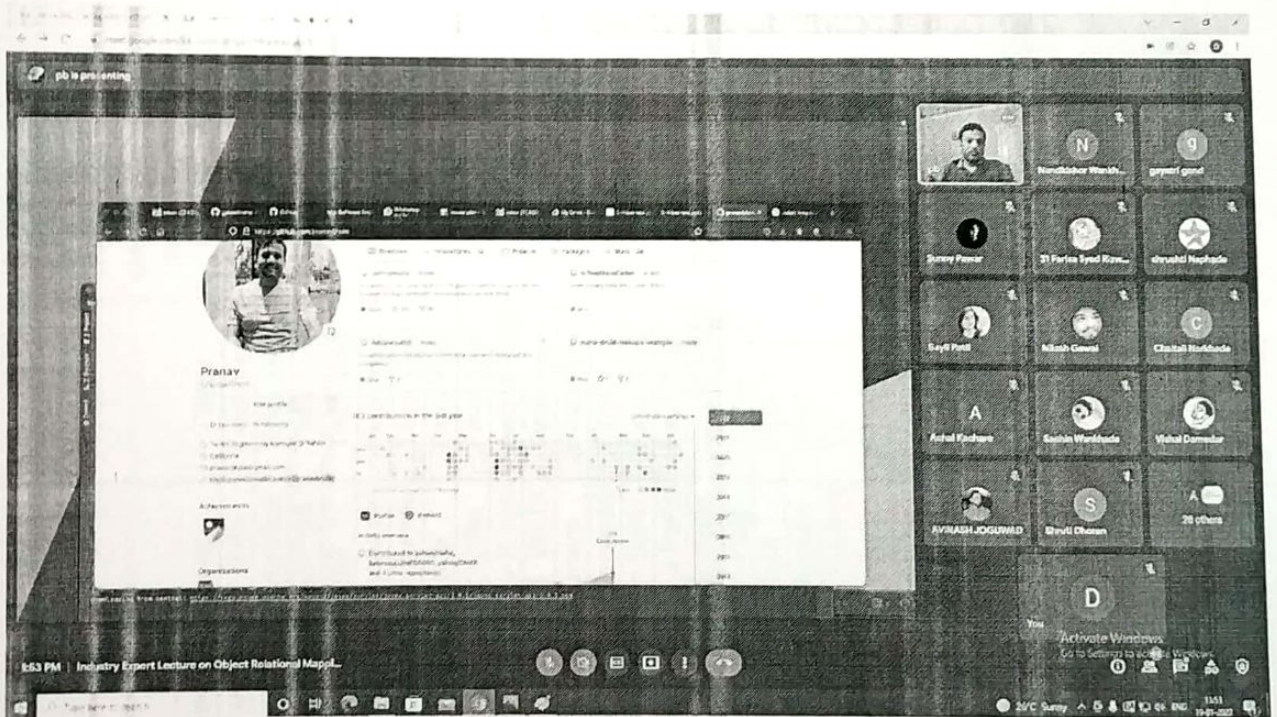
Application Architecture


```

    graph TD
      subgraph UI
        UI_event[UI event]
        data_xfor_object[data xfor object]
      end
      subgraph Application_Logic
        data_request[data request]
        domain_object[domain object]
      end
      subgraph Domain_Objects
        DAO[DAO]
        domain_object2[domain object]
      end
      subgraph Session_Factory
        Session_Factory[SessionFactory]
      end
      subgraph Foundation_Classes
        hibernate_api[hibernate API]
        jdbc_api[JDBC API]
        result_set[ResultSet, etc.]
        jdbc[JDBC]
      end
      subgraph Hibernate
        hibernate[Hibernate]
      end
      subgraph Foundation_Classes_2
        hibernate_cfg_xml[hibernate.cfg.xml]
        hbm_xml_class_mappings[hbm.xml class mappings]
      end

      UI_event --> Application_Logic
      data_xfor_object --> Application_Logic
      Application_Logic --> Domain_Objects
      Domain_Objects --> Session_Factory
      Session_Factory --> hibernate_cfg_xml
      hibernate_cfg_xml --> hibernate
      hbm_xml_class_mappings --> hibernate
      hibernate --> jdbc_api
      jdbc_api --> result_set
      result_set --> jdbc
  
```

1:16 PM | Industry Expert Lecture on Object Relational Mapping




H.O.D.
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Dr V.B.Kolte College of Engineering,
Malkapur, Dist. Buldana. (M.S.)