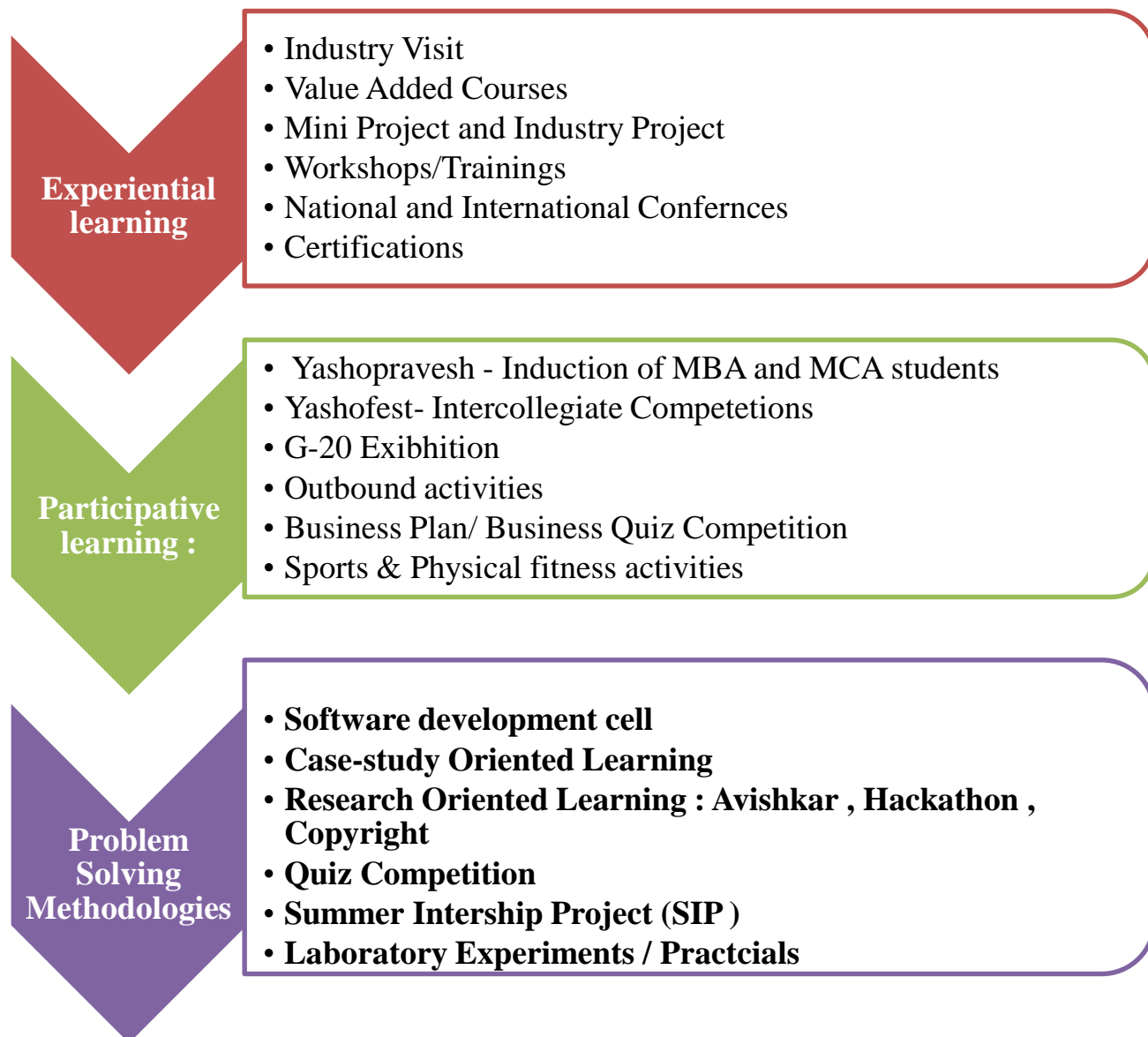


2.3. Teaching- Learning Process

I. Students Centric Methods



I. Students Centric Methods

3. Problem Solving Methodologies

• Software development cell

International Institute of Management Science (IIMS) established **Software development Cell for in-house software development** to empower students with computer application skills. The main aim of this cell is to work on teaching learning solutions, administrative processes and smooth executions.

The institute has developed the full fledged ERP Dashboard developed by students under the guidance of faculties integrates essential functionalities such as attendance tracking, feedback submission, conference and journal websites and a gate pass system. This centralized platform streamlines administrative tasks, enhances communication, and facilitates efficient management of academic and operational activities within the institute.

The team members and Faculty mentors are as Follows

IIMS- Software Development Cell			
Project Title	Technology Used	Student Name	Faculty Mentor
Attendance Software	HTML, CSS, JS, Java, MYSQL,Bootstrap	Onkar Naik, Kotali Mallikarjun, Pingale Sagar	Prof. Yugandhara Patil
Mentor-Mentee Software	HTML, CSS, JS, Java, MYSQL,Bootstrap	Varsha Salunke	Prof. Prashant Wadkar
Conference and Journal Website	Word Press , PHP , Java Script	Saurabh Kolte, Jayant Kinge , Pinate Shubham	Prof. Nishant Pachpor
Feedback	Python,Django,HTML, CSS,Javascript	Punam Annasaheb Gunjal, Samrudhi Kadukar, Chaitali Kulkarni, Pratiksha Gaikwad, Atharva Pande, Samruddhi Kodnikar	Prof. Prashant Wadkar
LMS	Python,Django,HTML, CSS,Javascript	Aniket Kumare, Ankita Fere	Prof. Nishant Pachpor
MCQ	Python,Django,HTML, CSS,Javascript	Soham Patankar, Atharva Kupale, Sanskruti Lonkar, Siddhi Adhav, Pradnya Giram	Dr Sachin Misal
SDC – Dashboard (ERP)	Python,Django,HTML, CSS,Javascript	Sakshi Chandrakant Jagtap, Prajakta Balu Kolekar, Prerna Desai, Manisha Narkhede	Prof. Tushar Kathane



IIMS- Software Development Cell Screenshots:

SDC – Dashboard (ERP)

Software Development Cell

Yashaswi Education Society's International Institute of Management Science (IIMS) established Software development Cell for in-house software development used in day to day teaching learning and academics process..

Objectives

- ✓ Skill Development
- ✓ Real-World Application
- ✓ Innovation and Creativity
- ✓ Community Outreach
- ✓ Professional Networking
- ✓ Open Source Contributions
- ✓ Quality Assurance
- ✓ Campus Solutions
- ✓ Industry Relevance
- ✓ Project Management Experience
- ✓ Portfolio Building
- ✓ Continual Improvement
- ✓ Entrepreneurship Development

All Projects Completed Projects Ongoing Projects Upcoming Projects

Yashomanthan Mentor -Mentee Attendance Feedback

Dashboard

Study Material
Learn More

Online Certificate
Learn More

Previous Year Question Paper
Learn More

APTITUDE TEST
Aptitude And Reasoning
Learn More

LIBRARY
Library
Learn More

Project
Project
Learn More



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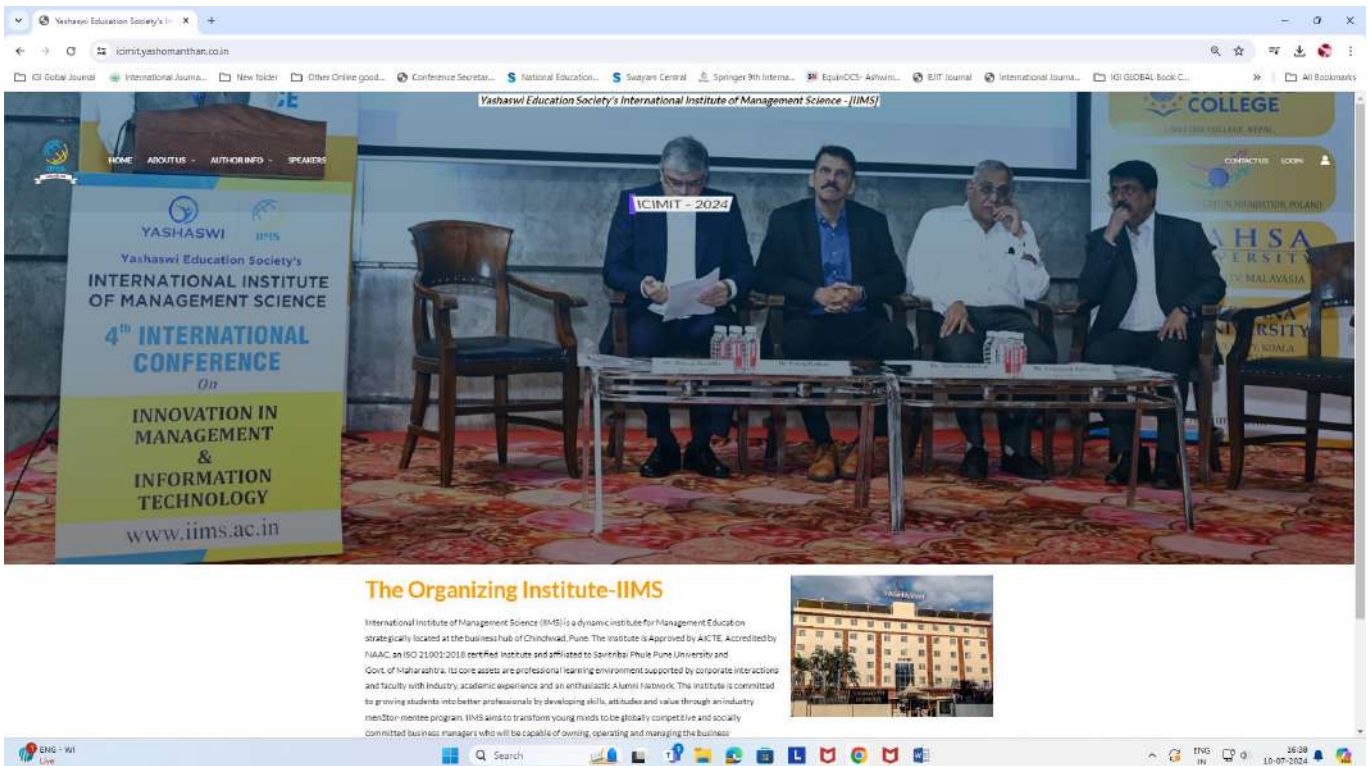
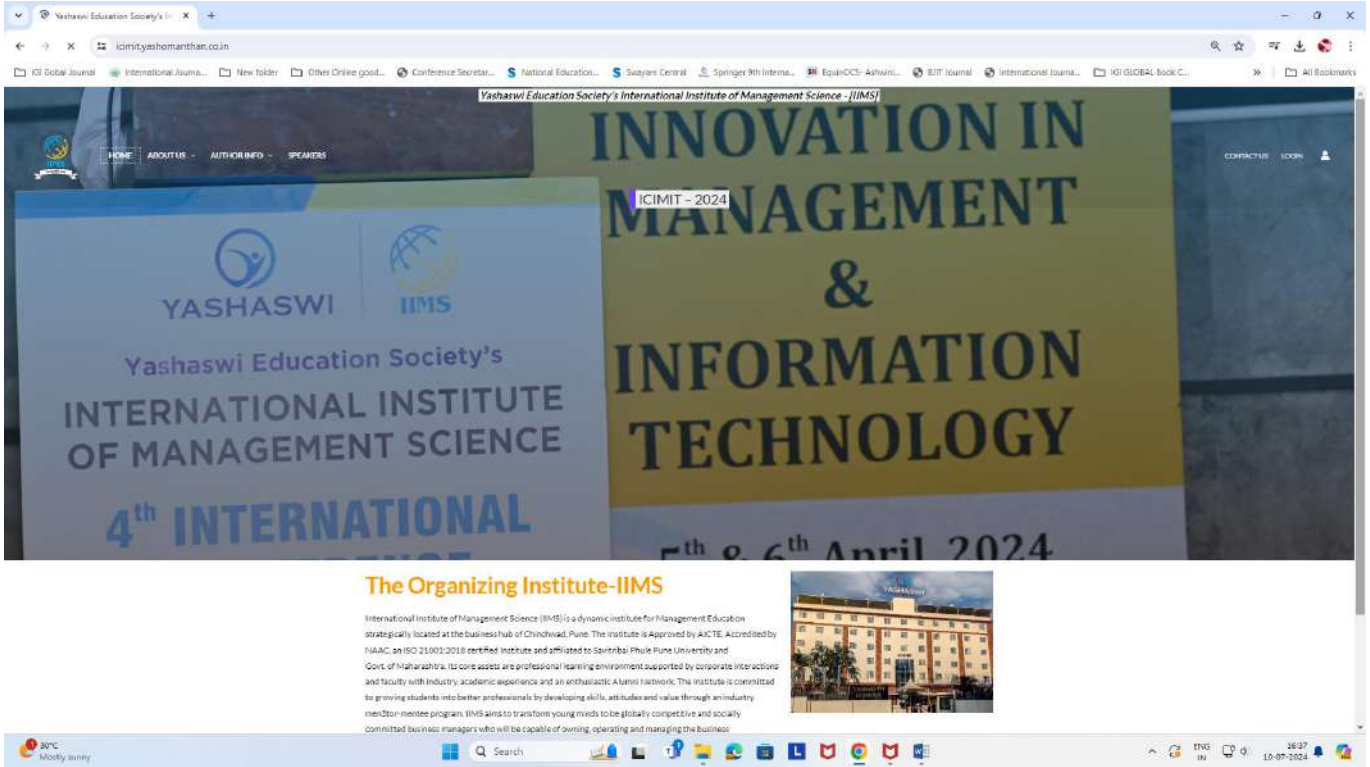
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**Campus. : IIMS Bldg, S. No. 169/1/A, Opp. Elpro International, Chinchwad, Pune - 411033. Ph.: (020) 27353730/32/33/34, Fax : (020) 27354731
Website. : www.iims.ac.in E-mail : info@iims.ac.in**

International Conference Website





Journal Website

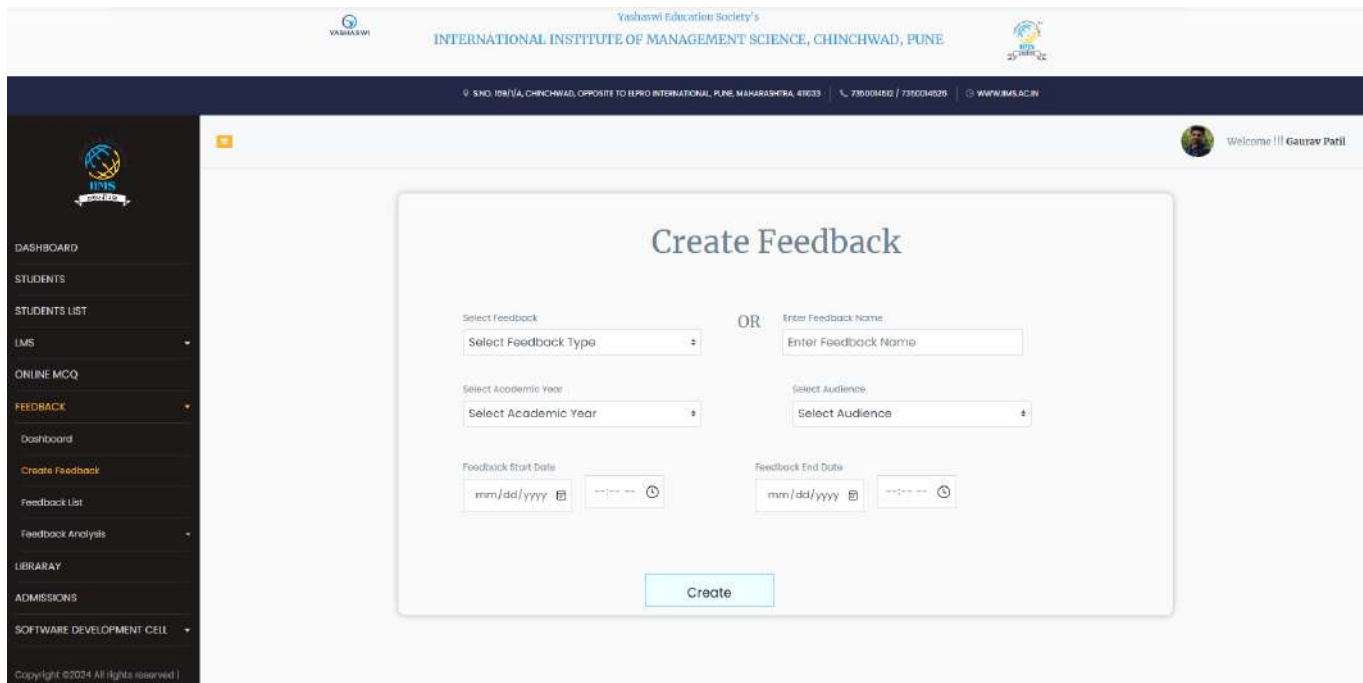
The screenshot shows the home page of the Yashomanthan journal website. The header includes the IIMS logo, the journal title 'YASHOMANTHAN', its ISSN (p-issn) 2347-0039, and the tagline '(A Peer Review Multidisciplinary Research Journal)'. A navigation menu contains links for HOME, ABOUT YASHOMANTHAN, PAPER SUBMISSION, ARCHIVES, FOR AUTHORS, CONTACT US, and LOGIN. The main content area features a 'Home' section with a 'Scientific Journal Impact Factor' table, a 'Welcome to IIMS' message, and a 'Current Issues' button. The impact factor table is as follows:

YEAR	IMPACT FACTOR
2023	6.892
2022	4.849
2021	4.100
2020	3.394

Below the table is a 'Current Issues' button and a thumbnail of the journal cover. A 'Join as Reviewer' button is also visible.

The screenshot shows the 'ARCHIVES' page of the Yashomanthan journal website. The header is identical to the home page. The navigation menu highlights 'ARCHIVES'. The main content area displays 'ARCHIVES' and 'YASHOMANTHAN RESEARCH JOURNAL'. Below this, it says 'Current Issues -' and features a button for 'Volume 10 - 2023'. At the bottom, it states 'Designed and Managed By--' and lists several authors: Saurabh Kulkarni, Jayant Kulkarni, Shubham Prasad, and Bhargav More.

Feedback Analysis System



Yashaswi Education Society's
INTERNATIONAL INSTITUTE OF MANAGEMENT SCIENCE, CHINCHWAD, PUNE

Welcome !!! Gaurav Patil

Create Feedback

Select Feedback OR Enter Feedback Name

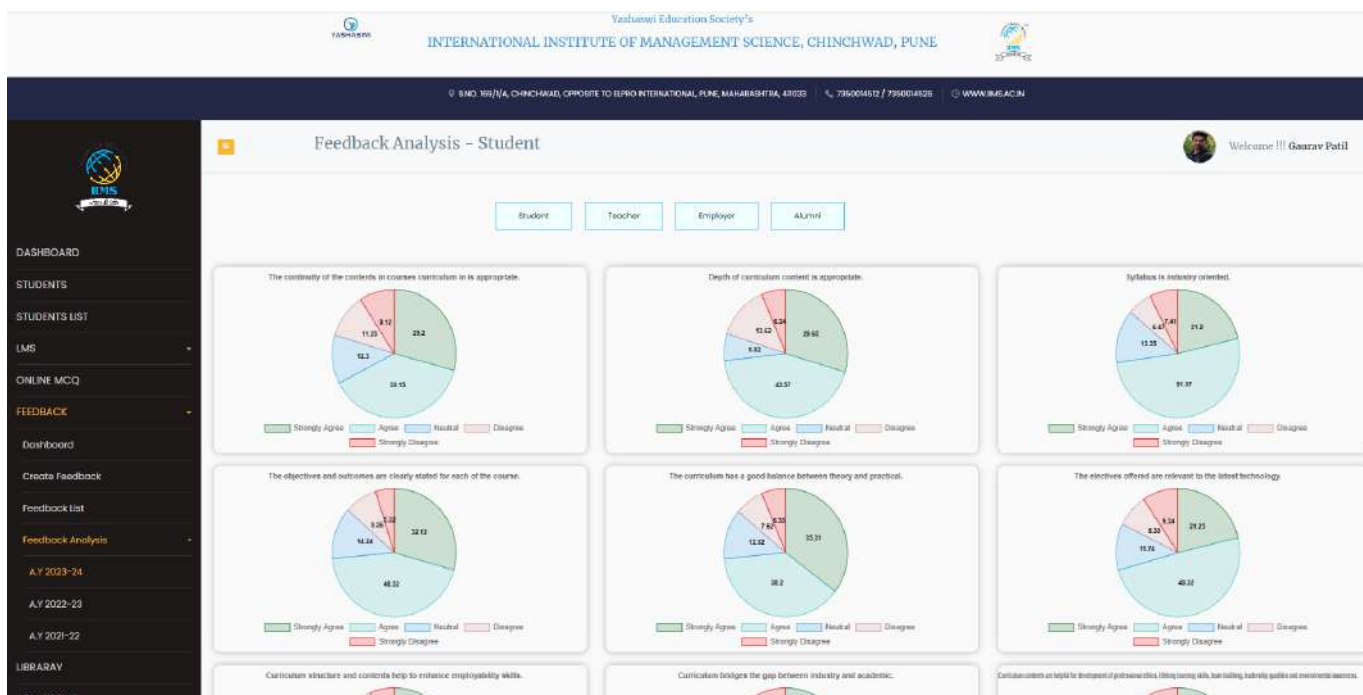
Select Feedback Type OR Enter Feedback Name

Select Academic Year Select Audience

Select Academic Year Select Audience

Feedback Start Date Feedback End Date

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Gaurav Patil

Course :	MCA
Admission Year :	2023-2024
Email :	gauravp@gmail.com
Mobile :	+91-9865232569

Family Information

Father Name :	Ramesh Patil
Mother Name :	Minakshi Patil
No of Siblings :	2
Fathers Occupation :	Business

Feedback

[Please submit Infrastructure Feedback click here](#)

[Please submit Cresendo Feedback click here](#)

Attendance Software

Welcome to Admin Dashboard of International Institute of Management Science, Chinchwad

STUDENT ATTENDANCE SYSTEM Logout

DEPARTMENTS

- MCA**
Master Of Computer Application
- MBA**
Master Of Business Administration
- PHD**
Doctor of Philosophy

• Case study Oriented Learning

Institute take Case study Solution Practices from Students. The MCA students have given Case studies based on software Project Management Subject and motivated to solve the same with their innovative ideas. The student has played role of Project Manager, Team Leader, Software Developer, Risk Manager etc. The case study and role play solution session was conducted on 23 June 2023. Some of the topics are

- ERP and Risk Management Strategies
- Construction Projects and Delays
- Software Development Project Cost Overrun
- ERP Implementation in Software Development & Completion



MCA 1st

Roll NO: MC22061, Kavree Shinde, MC22036 Pooja Mogan
MC22050, Greta Pahl

Case Study 4: Construction Project Delay, 23/06/23

Scenario: A construction company is tasked with building a new office complex for a client within a specified timeframe. However, the project faces ~~and~~ numerous delays, impacting the completion date and causing financial and reputational losses.

* Solution *

1) Objective: Building a new office complex for a client within a specified timeframe.

2) Identified Risks:

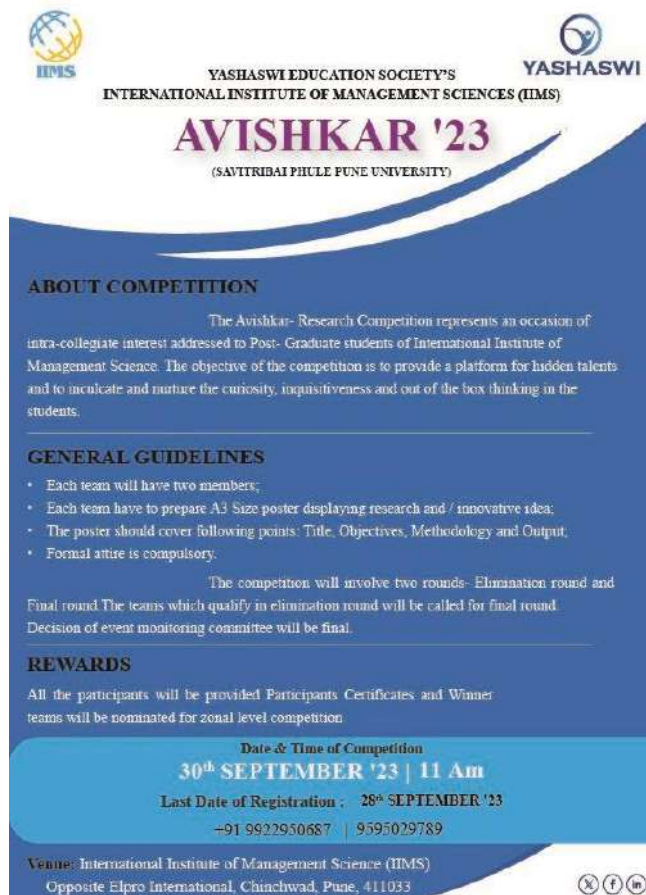
- Weather Conditions: Adverse weather conditions, such as heavy rains or storms, can hinder construction progress and lead to delays.
- Resource Availability: Limited availability of skilled labor, materials, or equipment can cause delays in the project timeline.
- Design changes: Frequent design changes requested by the client can disrupt the construction schedule and require additional time for revisions and approvals.
- Permitting and Regulatory Approvals: Delays in obtaining necessary permits and regulatory approvals can halt construction activities and extend the project timeline.

• **RESEARCH ORIENTED LEARNING**

Avishkar Research Competition-2023

Date: 30/09/2023 Time: 11.00 am

Institute has organized Institute Level - Avishkar Research Competition – 2023 of Savitribai Phule Pune University on 30th September 2023.



**YASHASWI EDUCATION SOCIETY'S
INTERNATIONAL INSTITUTE OF MANAGEMENT SCIENCES (IIMS)**

AVISHKAR '23
(SAVITRIBAI PHULE PUNE UNIVERSITY)

ABOUT COMPETITION

The Avishkar- Research Competition represents an occasion of intra-collegiate interest addressed to Post- Graduate students of International Institute of Management Science. The objective of the competition is to provide a platform for hidden talents and to inculcate and nurture the curiosity, inquisitiveness and out of the box thinking in the students.

GENERAL GUIDELINES

- Each team will have two members;
- Each team have to prepare A3 Size poster displaying research and / innovative idea;
- The poster should cover following points: Title, Objectives, Methodology and Output.
- Formal attire is compulsory.

The competition will involve two rounds- Elimination round and Final round. The teams which qualify in elimination round will be called for final round. Decision of event monitoring committee will be final.

REWARDS

All the participants will be provided Participants Certificates and Winner teams will be nominated for zonal level competition.

Date & Time of Competition
30th SEPTEMBER '23 | 11 Am

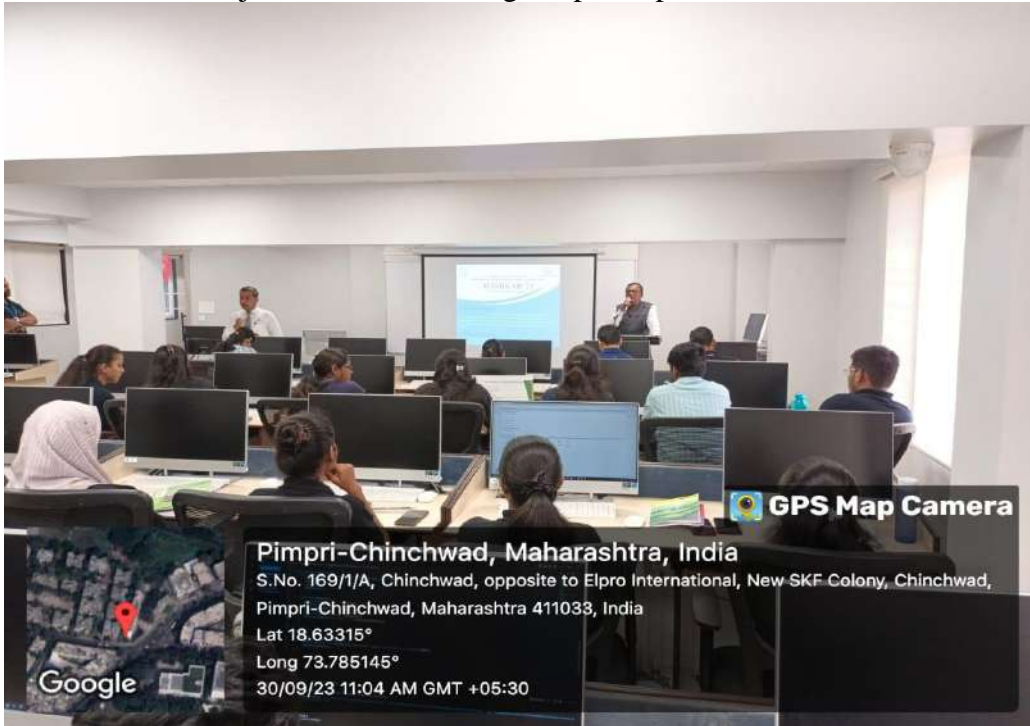
Last Date of Registration : 28th SEPTEMBER '23
-91 9922950687 | 9595029789

Venue: International Institute of Management Science (IIMS)
Opposite Elpro International, Chinchwad, Pune, 411033

Following teams were shortlisted after the evaluation. The shortlisted teams were further nominated for the Cluster Level Avishkar Competition.

Sr No	Team Name	Team Members	Topic of Research
1	Trolley Titans	Ms. Neha Pise & Ms. Anjali Patil	Multipurpose Trolley
2	Sunrisers	Ms. Aruna Patil & Ms. Nisha Gathe	Prevention of Lift Accident
3	Explore	Ms. Vaishnavi Kale & Ms. Dnyaneshwari Katkar	Lora Technology

Director Dr. Shivaji Mundhe addressing the participants:



Participants presenting their research in Avishkar Competition:





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Website. : www.iims.ac.in E-mail : info@iims.ac.in

• Hackathon 2023

Date: 27/09/2023 Time: 11.00 am

Venue: Computer Lab, First Floor, IIMS,

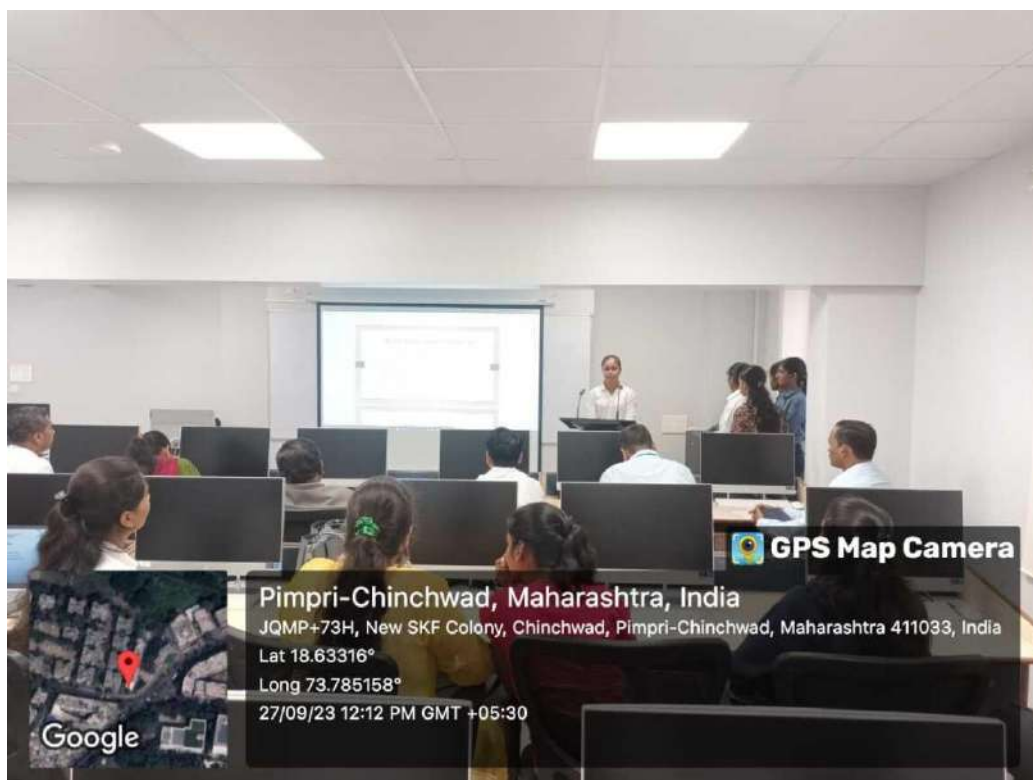
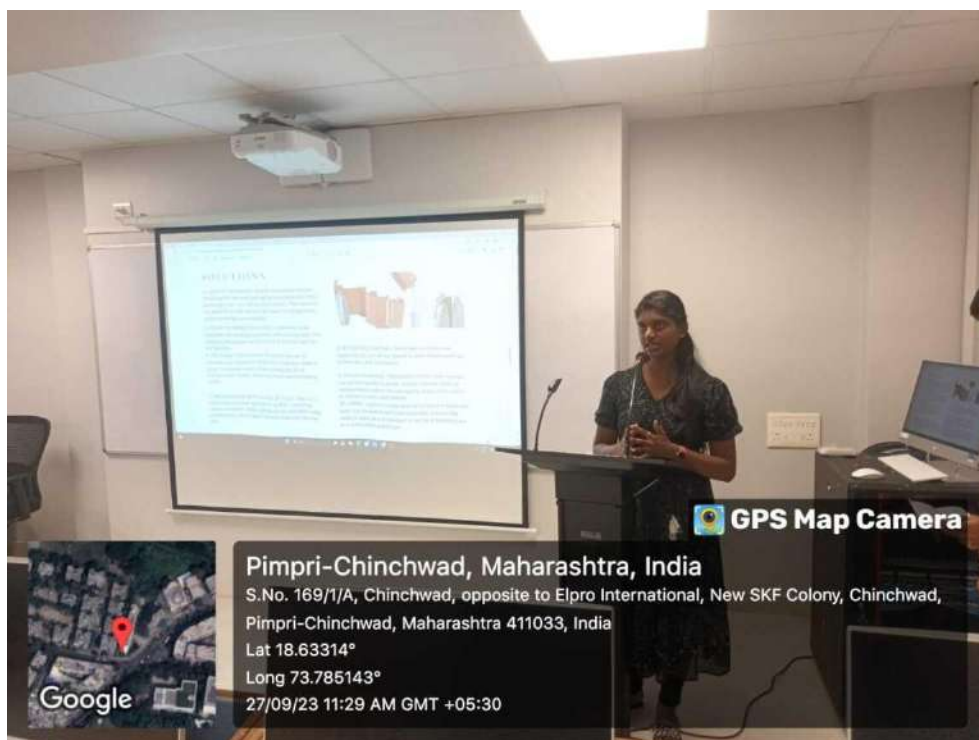
Institute organized "IIMS-Hackathon 2023" on 27st of September, 2023 as an IQAC Cell Initiative and a part of Smart India Hackathon.

The poster for IIMS Hackathon 2023 features logos for the Ministry of Education, IIMS, IIMB, and AICTE. The title "IIMS HACKATHON 2023" is prominently displayed in red. Below the title, a blue box contains the "ABOUT COMPETITION" text. A white box lists "General Guidelines" with four bullet points. A green box states "Who can participate - MBA AND MCA". A black box with white text shows the "Date & Time of Competition" as "27th SEPTEMBER '23 | 11 Am". A white box below that shows the "Last Date of Registration : 22nd SEPTEMBER '23" and contact numbers "+91 9922950687 | 9422419386". At the bottom, it mentions "(AICTE's Smart India Hackathon 2023) (IQAC CELL INITIATIVE)".

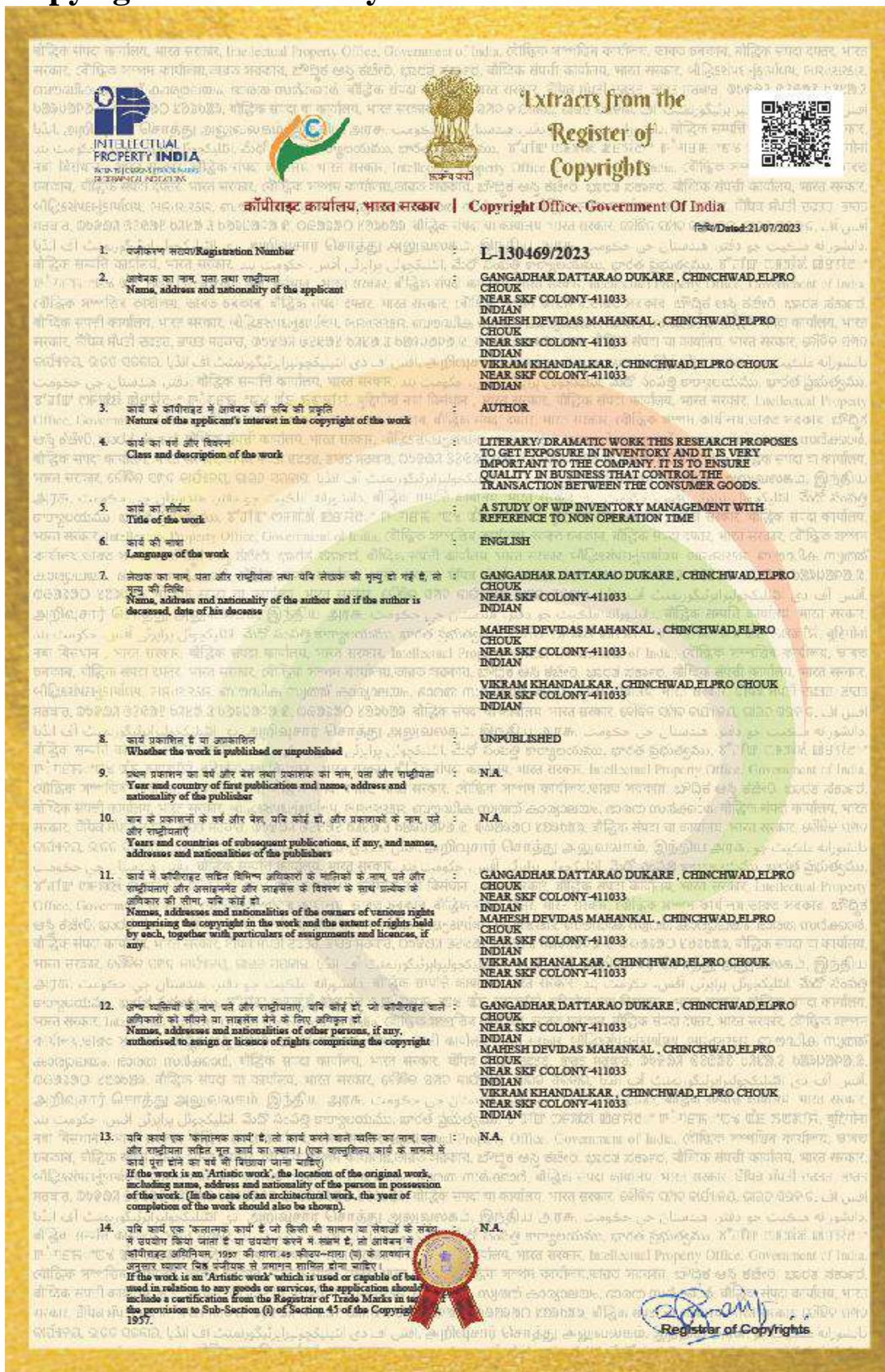
The details of shortlisted teams are as follows:

Sr. No.	Team Name	Team Leader	Class
1	Unbeatable	Ms. Akansha Rakshe	MBA First Year
2	The Conqueror	Ms. Kaveree Shinde	MCA Second Year
3	Neon	Mr. Abhishek Mishra	MBA First Year
4	Best or Bust	Ms. Ankita Varude	MBA First Year

Photographs of Hackathon-2023:



• Copyrights Published by students



Extracts from the Register of Copyrights

Copyright Office, Government Of India

Date: 21/07/2023

L-130469/2023

GANGADHAR DATTARAO DUKARE, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

MAHESH DEVIDAS MAHANKAL, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

VIKRAM KHANDALKAR, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

AUTHOR

LITERARY/DRAMATIC WORK THIS RESEARCH PROPOSES TO GET EXPOSURE IN INVENTORY AND IT IS VERY IMPORTANT TO THE COMPANY. IT IS TO ENSURE QUALITY IN BUSINESS THAT CONTROL THE TRANSACTION BETWEEN THE CONSUMER GOODS.

A STUDY OF WIP INVENTORY MANAGEMENT WITH REFERENCE TO NON OPERATION TIME

ENGLISH

UNPUBLISHED

N.A.

N.A.

GANGADHAR DATTARAO DUKARE, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

MAHESH DEVIDAS MAHANKAL, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

VIKRAM KHANDALKAR, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

GANGADHAR DATTARAO DUKARE, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

MAHESH DEVIDAS MAHANKAL, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

VIKRAM KHANDALKAR, CHINCHWAD,ELPRO CHOUK
NEAR SKF COLONY-411033
INDIAN

N.A.

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N.A.

REGISTRAR OF COPYRIGHTS

• QUIZ COMPETITION

Yashaswi Education Society's International Institute of Management Science (IIMS) organized Quiz competition on Friday, **23rd June 2023** on the topic "Python Programming Quiz Competition". The Competition was organized by students of 1st year MCA (Batch 2022-24).

Photographs of events-

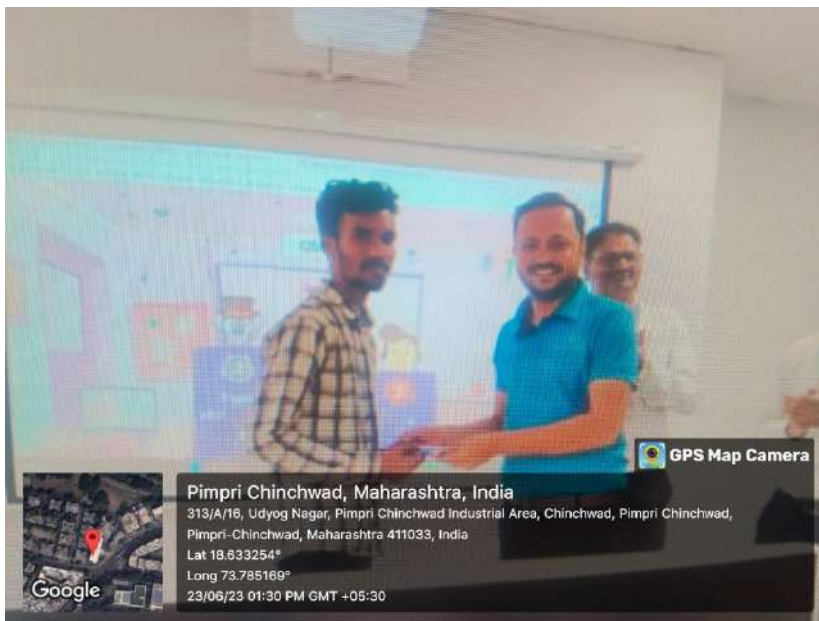


Photo-1: Network Engineer Mr. Abhijeet Chavan Sir Felicitating the Winner student Mr. Mayur Gatti.



Python Programming Quiz Competition on 10 June 2023

Photo-3: Prof. Prashant Wadkar Felicitating the Winners



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Website. : www.iims.ac.in E-mail : info@iims.ac.in





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Summer Internship Programme (SIP): Academic Year 2022-23

Roll No	Name of Student	Name of Company	Title of SIP -PROJECT REPORT
MB21001	Suraj Sunil Ade	Flash Electronic,Chakan	Explore the impact of changing technologies key on HR process
MB21002	Anisha Mukund Alhat	KUPSA coatings pvt ltd	Study of Attrition Management
MB21003	Ankita Vitthal Arote	Parity Cube private limited	Tally ERP 9 at parity Cube private limited
MB21004	Bagale Shivangi Anil	Kalyani maxion wheels Pvt LTD	Reduce the cost of transportation and packing cost
MB21005	Shubhangi Sumedh Gaikwad	Trimurti Enterprises	Study of capital structure
MB21006	Bhor Pranjali Goraksh	Trimurti Enterprises	Study of capital structure
MB21007	Bhujade Tejal Rajendra	Vivek doba training solution	An effectiveness of digital marketing on consumer
MB21008	Komal Sanjay Bhutada	HDFC Bank	Credit appraisal process of HDFC Bank
MB21009	Chafe Rahul Datta	VAN LOGIX CO.	"A Study on the working capital Management At VAN LOGIX"
MB21010	Chavan Abhishek Madhukar	Pioneer Engineers	A study of Elevator industry with specific focus on pioneer Engineers
MB21011	Deggall Neha Vinod	Vedant enterprises	Customer satisfaction towards coco cola
MB21012	Dharanakar Vaibhav Dashrath	Kalyani Maxion Wheels Pvt. Ltd.	A STUDY OF GOODS & SERVICE TAX FILING PROCEDURE AND ITS IMPACT ON KALYANI MAXION WHEELS LTD
MB21013	Vaishnavi Prabhakar Dikonda	Learning vertos private limited company, Bengaluru	A study on Digital Marketing
MB21014	Dongare Rutuja Nitin	Relation Realtech pvt ltd	Fund flow statement
MB21015	Dumbre Akanksha Anil	CAMline solution Pvt Ltd	Market basket analysis
MB21016	Ekkaldevi Ashwini Shrikant	Amber international LLP	A study of Working capital
MB21017	Dinesh Dattatray Gadave	SAVERA PRESS COM Pvt Ltd	STUDY ON CAPITAL BUDGETING OF SAVERA GROUP"
MB21018	Gaikwad Dnyaneshwari Bharat	Relation realtech pvt ltd	Financial statement analysis & ratio analysis
MB21019	Gaikwad Manasi Jayawant	J. M. Enterprises	"The study on investors behaviour in Indian Stock Market"
MB21020	Gaikwad Mayuri Balaji	Sharekhan Limited	PORTFOLIO CONSTRUCTION USING MEAN VARIANCE ANALYSIS
MB21021	Gangurde Sonali Dasharath	VIVEK DOBA TRAINING SOLUTION	Social Media Marketing and Promotion



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Website. : www.iims.ac.in E-mail : info@iims.ac.in

MB21023	Ghule Vishal Dilip	Margin Sentiment Advisory Pvt.Ltd.	To Study Of The Banking Sector Stock By Using Techniquial Indicators
MB21025	Vaibhavi Rajesh Harne	FLASH ELECTRONICS	STUDY OF EMPLOYEE WELFARE SCHEME AND ITS IMPACT ON JOB SATISFACTION
MB21026	Ravina Sunil Howale	SAFE POWER ENTERPRISES	Predictive analysis
MB21027	Indore Pratima Shivaji	Relation Realtech Pvt.ltd	A study on Cash flow Statement
MB21028	Jaware Dadasaheb Ashok	Unbound marketing private limited	Goods Services Tax GST
MB21029	Vishal Shivaji Kachare	Pulus Saharkari Bank	To Study of Load Process
MB21031	Kamble Abhishek Sukhanand	HEZAL OUTLOOK	A study on Factor Affecting Employees Job Satisfaction
MB21032	Khandekar Rohit Vitthal	HDFC	"TO STUDY AND GENERATE LEADS FOR THE PERSONAL LOAN OF HDFC BANK USING DIGITAL PLATFORM".
MB21033	Sakshi Umeshrao Khursade	Nest Real Estate Services	Competency mapping.
MB21035	Labade Dhanashree Balu	FLASH ELECTRONICS	New employee onboarding
MB21036	Lahare Nikhil Annasaheb	Shree Meher Industries	A study of the working capital with special preference to Shree Meher industries
MB21037	Lodha Ravina Rahul	Yamaha Vestra Automotives	Sales Forecasting
MB21039	Magar Nitin Dattatray	Bajaj Finserv	To study of the ratio analysis of Bajaj Finserv
MB21040	Mahajan Yuvraj Bhagvat	MRF vapocure paints	A study to predict growth of company by using sales analytics
MB21041	Mankar Rohini Babaji	Trimurti Enterprises	Study of financial performance analysis
MB21042	Mirajkar Pranjal Atul	Flash Electronics India Pvt. Ltd	The Study of Employee Engagement Activities in Flash Electronics
MB21043	Misal Ashwini Kisan	Darshana Industries Private Limited	Performance Appraisal in HRM
MB21044	More Ashish Dnyaneshwar	Sunrise Enterprises	Financial Planning for Salaried Employees and Strategies for Tax Savings
MB21045	Kshitija More	JM Enterprises	To understand & analyse the different types of trading in indian stock market
MB21046	More Mrunal Vishnu	Me taluka products india pvt ltd	HR data analysis
MB21047	Mulani Sajeeya Shaikhlal	Kalyani Maxion Wheels Pvt Ltd.	Effect of reward and recognition on employee motivation



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Website. : www.iims.ac.in E-mail : info@iims.ac.in

MB21048	Mundaye Kaustubh Kishor	Flash Electronic ,Pune	Employee Wellbeing & its impact on Employee And organization Performane
MB21049	Nadaf Saniya Shahanur	chemsol poylmer industrie	To Study of negotiation
MB21050	Nalawade Harshada Pralhad	E Clerx	Study of financial performance analysis
MB21051	Neharkar Shraddha Rajaram	Relation realtech pvt ltd	Working Capital
MB21052	Pacharne Omkar Satish	V TRANS LIMITED	STUDY OF DIFFERENT FACTORS AFFECTING EMPLOYEES SATISFACTION
MB21053	Patil Neha Mukesh	Badve Engineering private Limited, Chakan	BUDGET AND BUDGETORY CONTROL.
MB21054	Pillay Shruti Pillay	Lumax Industries Limited	TO STUDY OF TRAINING AND DEVELOPMENT OF EMPLOYEE
MB21055	Prajapati Rajesh Kumar Ramnath	ATLAS CASTALLOY LTD	CASH FLOW MANAGEMENT
MB21056	Shradha Vijay Randhire	IMocha	Skill Based Assessment Analytics using Power-BI
MB21057	Rohit Kamalkishor Rathi	Hdfc bank	Personal loan trend's reference to hdfc bank
MB21058	Rohida Riya Harichand	Tulsidas the Mall	Financial Accounting and Reporting
MB21059	Rokade Aatish Gopinath	NETTUR TECHNICAL TRAINING FOUNDATION	STUDY ON WORKING CAPITAL MANAGEMENT
MB21060	Sabale Rutuja Vilas	Intershalla	Marketing Analysis
MB21062	Sachwani Bhavana Vicky	Credence HR Services	Cash Flow Statement
MB21063	Shelar Vrushali Gorakh	ICICI LOMBARD	Financial statement analysis using ratio
MB21064	Shelhalkar Neha Dhondiram	Chemsol polymer pvt. Ltd	Employee satisfaction at chemsol polymer pvt. Ltd
MB21065	Shetkar Pratik Prakash	Aqua j1 technologies	Customer satisfaction towards water purifier
MB21066	Shinde Harshal Ajit	VDTS Institute	digital marketing
MB21067	Shinde Namrata Ramrao	Vivek Doba training Solution	Digital Marketing Practices at VDTS
MB21068	Shinde Shubham Shashikant	Eclate Staffing Solution	"RETURN PO PROCESS IN SAP MM"
MB21069	Shinde Vaishnavi Dnyaneshwar	Uday A Patil & Associates	A Study of Tax Audit at Uday A Patil & Associates for their clients



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Website. : www.iims.ac.in E-mail : info@iims.ac.in

MB21070	Shivabhakt Nirvighna Hanamant	mitsubishi electric india pvt ltd	the role of logistics in b2b business
MB21071	Taras Ketan Dhananjay	Dhore stone crusher & Construction	Cost Analysis
MB21072	Nilima Narayan Tati	Balaji Amiens ltd	A study on Ratio analysis
MB21073	Thakur Devanksing Pradeepsing	SHREE MEHER AUTO PARTS INDUSTRIES	“COMPARATIVE STUDY OF BALANCE SHEET AT SHREE MEHER AUTO PARTS INDUSTRIES
MB21074	Rohit Hemraj Waghmare	Flash Electronics	Purchasing And Supply Chain Management
MB21075	Arekar Shraddha Dilip	Vyankatesh Software Solutions	Trans9
MB21076	Kiran Narayan Baviskar	Emerson Process Management (India) Pvt. Ltd.	CYCLE TIME REDUCTION AND PROCESS IMPROMENTS IN GEARBOX ASSEMBLY AREA
MB21077	Arihant Betageri	Sonen Engineering Solutions	Stock market analysis
MB21078	Bharambe Rahul Sunil	Sugandhi Innovation and Multipurpose Foundation	Empowering of HR System in NGO through Operation Executive
MB21079	Bhusare Rohan Suresh	Vsenegic Hinjewadi	Business Analytics-Company
MB21080	Borkar Chandrakant Vilas	Yashaswi academy for skills	Storytelling using power BI for better insights
MB21081	Adesh Gautam Chandanshive	SBI General Insurance co. Ltd	Documentation of Health insurance rating model
MB21082	Chavan Ganesh Dada	SBI General Insurance co. Ltd	Group health insurance rating model based on retrospective experience data
MB21084	Dagade Ajit Laxman	Bajaj Finserv	To Study of Working Capital Management
MB21085	Salil Sanjay Deshpande	RD Enterprises	Study of working capital at RD Enterprises
MB21087	Gudle Madhav Dnyanoba	Sugandhi innovation and multiple purposes foundation	INDIAELAERN.ORG
MB21088	Hodgar Madhukar Somnath	S S & A R	A study on tax planning for salaried individual
MB21089	Hubale Samadhan Hanumant	Fab-O-Craft	Study Project on KANBAN Implementation
MB21093	Kamble Sagar Ashok	Kailash Vahn Pvt Ltd	Packaging Improvement
MB21094	Kamble Sejal Jaysing	Hazel Outlook	Work life balance
MB21095	Vaibhav Jaysing Kamble	Flash viven machining technology pvt LTD.chakan	Employee welfare facilities



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		pune	
MB21097	Vikram Latari Khandalkar	Viscon Rubber Private Limited	A Study of WIP Inventory Management with Reference to Non-Operation Time
MB21098	Khillare Gautam Bhagwan	Camline solution	Implementation of infrastructure security for amazon facility
MB21100	Kinge Pramod Pralhad	Scan It Pune	Business Analysis -IT
MB21101	Kolapkar Aniket Sudhirrao	Kalyani Maxion Wheel	Supply Chain & Logistic Management
MB21102	Korade Rushabh Santosh	Divine Tooling	CONSTRUCT AND OPTIMIZE PLANT LAYOUT USING META-HEURISTIC APPROACH
MB21103	Kulkarni Sagar Vitthal	Internshalla -Certification	To Study & Analysis Business Analyttics Systems
MB21104	Kulkarni Yayati Rajaram	Aqua Tech -Hinjewadi	Hr Management & Safety System
MB21107	Panpatil Gautam Vasantrao	Brain Cord	STUDY SOFTWARE PROJECT PLANNING
MB21109	Savita Shankar Pawar	Intershall -certifictaion	To Study of Business Analytic & Process
MB21110	Pawar Vikas Dadarao	Syngenta India Ltd	A Study on Distribution channel adopted by Syngenta Company
MB21111	Pawara Ketan Idram	TULSI EXTRUTION LITIMITED, JALGAON	CASH FLOW MANAGEMENT
MB21112	Phulari Nikhil Sudhir	Natkrupama Developers	Financial Systems & Cash Flow
MB21114	Reddy Akshay Prakash	Amdocs	To analyze the recruitment and selection process of amdocs from selcted candidates point of view
MB21115	K V Bharatkumar Remya	SNBP International School	Financial statement analysis and Internal Audit process
MB21116	Sable Nilesh Laxman	Verificient Technologies	Online education system
MB21117	Sadekar Poornima Ravindra	Shriyansh Investment Services	Trend Analysis of Mutual funds of Tata Digital India Fund
MB21120	Sankpal Abhinandan Prakash	Kalyani Maxion Wheels India Pvt.ltd	The study of inventory analysis and reconciliation with global reference for Truck Wheel Plant
MB21121	Mayawati Milind Sarwade	Jaishiv Enterprises	Demand forecasting
MB21122	Manasi Sudhakar Shikhare	Hachimichi Tech	Design and development of supply chain for a start up company



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MB21123	Shinde Chetan Nanasaheb	Sales Force	Business Analytic & Process
MB21124	Shinde Sampada Krishna	TCS Pvt Ltd,Pune Tel:912267789999	Financial Analysis
MB21125	Shubham Deepak Shinde	SWAMI SAMRATH ENGLISH SCHOOL	Human Resource Systems
MB21126	Shinde Ujwala Keshav	Magna Automotive	To Study of HR & Recruitment Process
MB21128	Shubham Sugandhi	Sugandhi innovation and multiple purposes foundation	India E learn
MB21129	Tamboli Choudhari Shahabaj Altaf	POLMANN INDIA LIMITED	Market Mapping of Plastic Products in Automotive Industry (Passenger Cars)
MB21130	Kashinath Sudarshan Tati	Mahindra Logistics	Supply Chain Management practice of auto component industry
MB21131	Tati Manish Arvind	Vijay Engifab India Pvt Ltd	Analysis of Financial Statement
MB21132	Tolnure Abhishek Ashok	VSAP & company	Cash flow statement
MB21133	Shobha Shrikant Vishwakarma	Star health insurance company	Study on Health Insurance
MB21134	Wadmare Suyash Sudhir	ND Bhodavw Group	Market Segment Analysis
MB21135	Waghamare Dhanashri Devendra	Sales Force	Human Resource Recruitment



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Lab Manual



**International Institute of Management Science,
Chinchwad, Pune**

**Department of
Master of Commuter Application
(Semester II)**

LABORATORY MANUAL

Course Code: IT21L

(Subject : Python Programming)

Course Name: Practical's

Developed By

Prof. Prashant Wadkar

Prof. Nishant Pachor

Prof. Priya Pawar





Course Code: IT21L

Course Name: Practicals

Course Description:

This Practical course contains 2 sections. –

1. List of Practicals – Python Programming

Note:

- i. • Recommended IDE for python – IDLE
- ii. • Exception handling concepts should be used with file handling programs.

2. List of Practicals – Advanced Internet Technologies

Course Outcomes:

Student will be able to

- CO1: implement python programming concepts for solving real life problems.
CO2: Implement Advanced Internet Technologies.





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**International Institute of Management Science,
Chinchwad, Pune
Department of
Master of Commuter Application
CERTIFICATE**

This is to Certify that

Mr./Miss Shweta Dipak Katkar

Of Class MCA (F.Y) Roll No. MC21024

Examination Seat No. 23891 has completed all the
practical work in the: **IT21L- Python Programming**

Practical's satisfactorily, as prescribed by the Savitribai

Phule Pune University, Pune in the Academic Year 2021-20 22.

Staff In-charge

Head of Department

Director
















Internal Examiner

External Examiner



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SECTION A :- List of Practicals – Python Programming

Sr. No.	Title	Date of Commencement	Date of Submission	Marks Obtained	Signature
1	Python installation and configuration with windows and Linux	17/5/2022	25/5/22	07	
2	Programs for understanding the data types, control flow statements, blocks and loops	25/5/2022	31/5/22	08	
3	Programs for understanding functions, use of built in functions, user defined functions	31/5/2022	7/6/22	07	
4	Programs to use existing modules, packages and creating modules, packages	7/6/2022	14/6/22	08	
5	Programs for implementations of all object-oriented concepts like class, method, inheritance, polymorphism etc. (Real life examples must be covered for the implementation of objectorientedconcepts)	14/6/2022	15/6/2022	08	
6	Programs for parsing of data, validations like Password, email, URL, etc.	15/6/2022	22/6/22	09	
7	Programs for Pattern finding should be covered.	22/6/2022	28/6/22	10	
8	Programs covering all the aspects of Exception handling, user defined exception, Multithreadingshould be covered.	28/6/2022	30/6/22	09	
9	Programs demonstrating the IO operations like reading from file, writing into file from differentfile types like data file, binary file, etc.	30/6/2022	5/7/22	10	
10	Programs to perform searching, adding, updating the content from the file.	5/7/2022	6/7/2022	08	
11	Program for performing CRUD operation with MongoDB and Python	6/7/2022	12/7/22	07	
12	Basic programs with NumPy as Array, Searching and Sorting, date & time and String handling	12/7/2022	13/7/2022	08	
13	Programs for series and data frames should be covered.	13/7/22	20/7/22	10	
14	Programs to demonstrate data pre-processing and data handling with data frame.	20/7/2022	27/7/22	08	
15	Program for data visualization should be covered	27/7/2022	30/7/22		

Assignment No-2

Page No.	
Date	

Q1. What are different datatypes in Python.

Ans- There are 4 built in datatypes -

- ① List
- ② Tuple
- ③ set
- ④ Dictionary

& other are string, numbers, Boolean, etc.

Q2. What is set data type in python.

Ans- Sets are used to store multiple values in a single variable.

It is unordered, unchangeable & unindexed collection.

Q3. What is character data type in Python?

Ans- Python does not have a character data type, a single character is simply a string with a length of 1.

Q4. What are control statements in Python.

Ans- Control statements in python are used to control the order of execution of the program based on the values & logic.

Q5. What is flow control in python.

Ans- A program's control flow is the order in which the program's code executes.



Name :- Katkar Shweta Dipak
STD :- MCA Fy (Sem II)
Roll No :- MC21024

Assignment No :- 2

Q2. Programs for understanding the data types, control flow statements, blocks and loops

#Understanding The Data Type

```
a = 5
print("Type of a: ", type(a))

b = 5.0
print("\n Type of b: ", type(b))

c = 2 + 4j
print("\n Type of c: ", type(c))
```

```
Type of a: <class 'int'>
Type of b: <class 'float'>
Type of c: <class 'complex'>
```

Control flow statements

```
a = 5
b = 10
c = 15

if a > b:
    if a > c:
        print("a value is big")

else:
```

