



**CHARUSAT**  
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

**FEEDBACK ANALYSIS  
REPORT  
OF STAKEHOLDERS  
(2023-24)**

**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**Chandubhai S. Patel Institute of Technology**  
**Department of Artificial Intelligence and Machine Learning**  
**CURRICULUM FEEDBACK ANALYSIS (Academic Peers)**

**Academic Year: 2023-24**

Date: 20/07/2024

Scale – Excellent: 5, Very Good: 4, Good: 3, Satisfactory: 2, Poor: 1

Sr. No.	Aspect	Excellent (A)	Very Good (B)	Good (C)	Satisfactory (D)	Poor (E)	Average	% Response
1	Content of syllabus	11	4	0	0	0	4.73	94.67
2	Relevance of syllabus to industry/research requirements	9	6	0	0	0	4.60	92.00
3	Course outcomes are well defined	11	3	1	0	0	4.67	93.33
4	Sufficient reading materials and digital resources provided	15	0	0	0	0	5.00	100.00
5	Incorporation of advanced topics	8	6	1	0	0	4.47	89.33
6	Pedagogy proposed	6	9	0	0	0	4.40	88.00
7	Have a desired balance between theory and practical	8	3	0	0	0	3.47	69.33
8	Assessment methods are fair, measuring the outcomes	9	4	2	0	0	4.47	89.33
9	Project component in the course, if applicable	12	4	0	0	0	5.07	101.33
10	Industrial training/practical exposure in the course, if applicable	8	4	0	0	0	3.73	74.67

Total No. of Responses: 15

Average =  $(A*5 + B*4 + C*3 + D*2 + E*1)/\text{Total no. of responses}$

% Response =  $(\text{Average} * 100) / 5$

**Other Comments/Suggestions:**

- Add mini project in JAVA as part of practical component.
- Include some practicals on RHCSA.
- Practical sessions can be modified to focus more on time optimization
- Certificate of Redhat is very useful to the students.




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**Chandubhai S. Patel Institute of Technology**  
**Department of Artificial Intelligence and Machine Learning**  
**CURRICULUM FEEDBACK ANALYSIS (STUDENTS)**

**Academic Year: 2023-24**

Date: 20/07/2024

Scale – Excellent: 5, Very Good: 4, Good: 3, Average: 2, Below Average: 1

Sr. No.	Aspect	Excellent (A)	Very Good (B)	Good (C)	Average (D)	Below Average (E)	Average	% Response
1	Curriculum developed and implemented has relevance to local, national, regional and global development needs.	30	18	5	0	1	4.41	88.15
2	Curriculum was broad enough to prepare you for career of choice.	27	20	5	0	2	4.30	85.93
3	Curriculum integrates crosscutting issues relevant to professional ethics, gender, human values, environment and sustainability.	30	19	4	0	1	4.43	88.52
4	The learning was supplemented by co-curricular activities such as coursework outside the curriculum, project work, internships, workshops, conference, symposia etc.	31	19	3	0	1	4.46	89.26
5	Do you feel that the content of the syllabus is adequate enough to meet the learning objectives listed in the syllabus of the Course?	23	23	6	1	1	4.22	84.44
6	Do you feel that the time allocated for completing the syllabus is adequate for the Course?	28	16	8	1	1	4.28	85.56
7	Do you feel that the practical components included of the curriculum of the Course (if applicable) are adequate?	29	19	4	1	1	4.37	87.41
8	Do you feel that the references listed in the course curriculum are adequate enough to cover the content of the syllabus?	25	22	6	0	1	4.30	85.93

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Total No. of Responses: 58

Average =  $(A*5 + B*4 + C*3 + D*2 + E*1)/\text{Total no. of responses}$

% Response =  $(\text{Average}*100)/5$

**Other Comments**

- At every lecture, please explain the theory with more practically at own devices.
- No Gate subjects which can be important for base in deep learning like - compiler design.
- Faculty should discuss syllabus in detail at the beginning of the semester.


**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**Chandubhai S. Patel Institute of Technology**  
**Department of Artificial Intelligence and Machine Learning**

**The Institute/Institution Feedback Report for 2023-24**

Sr. No.	Question	Number of Responses	Average score (Out of 10.00)	Standard Deviation
1	Takes an active interest in promoting internship, student exchange, field visit opportunities for students.	115	8.59	2.034
2	The teaching and mentoring process facilitates you in cognitive, social and emotional growth.	115	8.05	1.955
3	Provides multiple opportunities to learn and grow.	115	8.38	1.852
4	Makes an effort to engage students in the monitoring, review and continuous quality improvement of the teaching- learning process.	115	8.45	1.893
5	The overall quality of teaching-learning process is very good.	115	8.28	1.794
6	The percentage of teachers using ICT tools such as LCD projector, Multimedia, etc. while teaching.	115	8.71	1.594
7	The percentage of the syllabus covered in the class.	115	8.99	1.436




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CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

**FEEDBACK ACTION TAKEN  
REPORT OF  
STAKEHOLDERS  
(2023-24)**

# CHARUSAT

Date: 20<sup>th</sup> Dec 2024

**Subject:** Action taken from received feedback  
**Department:** Artificial Intelligence and Machine Learning

## 1. Action taken from Feedback received from Teachers and Industries (End semester course feedback)

#	Suggestion	Action taken
1	Add mini project in JAVA as part of practical component.	• Mini Project/Application is considered in practical component of the JAVA Course. (ANNEXURE - I)
2	Include some practical on RHCSA.	• Practical on RHCSA will be included in the practical lists. (ANNEXURE - II)
3	Certificate of Redhat is very useful to the students.	• The students will be encouraged to participate/join in Redhat academy and appear for certification. (ANNEXURE - III)

## 2. Action taken from Feedback received from Students

#	Suggestion	Action taken
1	At every lecture, please explain the theory with more practically at own devices.	• New classrooms are developed with laptop charging ports & Wi-Fi enabled facility, so students can do practical implementation at own device during lecture hours. (ANNEXURE - IV)
2	No Gate subjects which can be important for base in deep learning.	• Basic deep learning course will be offered as an elective course for GATE interested students. (ANNEXURE - V)
3	Faculty should discuss syllabus in detail at the beginning of the semester.	• Faculty will prepare and present subject orientation at the beginning of the semester. (ANNEXURE - VI)

*Chait*



### 3. Action taken from Feedback received from Employer

#	Suggestion	Action taken
1	NA	NA

### 4. Action taken from Feedback received from Alumni

#	Suggestion	Action taken
1	NA	NA

### 5. Action taken from Feedback received on Institute/Institution

#	Suggestion	Action taken
1	Give more practical's knowledges. Give opportunity to visit as many as industries as possible. Provide many sessions like seminars with industries or different colleges professors.	<ul style="list-style-type: none"><li>Planning to arrange course wise expert lectures from industry persons in every semester. Industry visit is planned once in a year. (ANNEXURE - VII)</li></ul>
2	There should be more preparation for placement.	<ul style="list-style-type: none"><li>Extra session for aptitude and technical preparations will be planned during free slots. (ANNEXURE - VIII)</li></ul>

*C. Bhatt*





**Charotar University of Science and Technology, Changa**  
**C.S. Patel Institute of Technology**  
**Department of Artificial Intelligence and Machine Learning**

**ANNEXURE – I**

Incorporated practical sessions focused on Competitive Programming, utilizing renowned platforms such as HackerRank, CodeChef, and LeetCode, to enhance students' coding skills effectively.



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**C.S. Patel Institute of Technology**  
**Department of Artificial Intelligence and Machine Learning**

**ANNEXURE – II**

AIML 208 Operating System Practical List

AIML-208: Operating Systems

A.Y.: 2024-25

**Charotar University of Science and Technology [CHARUSAT]**  
**Chandubhai S. Patel Institute of Technology [CSPIT]**  
**Department of Artificial Intelligence & Machine Learning**  
**Practical List**

Subject code	:	AIML208	Semester	:	4th	Academic Year	:	2024-25
Subject name	:	Operating Systems						

Sr. No.	Aim	Hrs.	CO
1.	Perform Linux Commands for the following: 1)Directory Oriented Commands(ls, mkdir, rmdir, cd, pwd,find,du,df) 2)File Oriented Commands(cat, touch, cp, rm, mv, wc, file, cmp,rm) 3)File Processing Commands(dd,expand,nl,tac,head,tail) 4)General Purpose Commands(date, who ,whoami ,man, cal, tee, script, tput clear, split, expr)		
2.	Managing Users and Groups in Linux. Part (i):Create, delete and manage groups. Part(ii):Manage Directory and File Permissions in linux Part(iii):Add users in bulk in linux		
3.	a) Implement Pipes and Filters b) Implement Process Oriented Commands in Linux:  1)ps 2) kill 3)nohup 4)bg 5)fg 6)jobs 7)nice 8)w 9)uptime 10)lscpu 11)top		
4.	Create and Manage physical, extended and logical Partitions in Linux.		
5.	Analyze and store logs in Linux Server OS(CENTOS/Red Hat).		
6.	Implement Basic Shell Programming Commands.		
7.	Implement Shell Programs.		
8.	Analyze the Time complexity and Space Complexity for SRTF and Round Robin CPU Scheduling Algorithm and plot the analysis.		
9.	Implement following Disk Scheduling Algorithm: i)SCAN ii)C-LOOK		
10.	Implement Page Replacement Algorithms: i)FIFO ii)LRU		



*Ch. Bhatt*

**Charotar University of Science and Technology, Changa**  
**C.S. Patel Institute of Technology**  
**Department of Artificial Intelligence and Machine Learning**

**ANNEXURE – III**



Maulik Shah <maulikshah.me@charusat.ac.in>

**Fwd: Link to join Red Hat certification and internship awareness session**

1 message

**Nirav Bhatt** <hod\_aiml@charusat.ac.in>  
To: Maulik Shah <maulikshah.me@charusat.ac.in>

Fri, Dec 20, 2024 at 2:23 PM

----- Forwarded message -----

From: **Bela Shah** <belashah.cse@charusat.ac.in>  
Date: Tue, Apr 9, 2024 at 10:46 AM  
Subject: Link to join Red Hat certification and internship awareness session  
To: <21CS@charusat.edu.in>, <22cs@charusat.edu.in>, <22aiml@charusat.edu.in>, <21ce@charusat.edu.in>, <22ce@charusat.edu.in>, <21it@charusat.edu.in>, <22it@charusat.edu.in>  
Cc: **Head CSE** <hod.cse@charusat.ac.in>, **Head CE CHARUSAT** <hod.ce@charusat.ac.in>, **Head IT CHARUSAT** <hod.it@charusat.ac.in>, **Sarita Thummar** <saritathummar.ce@charusat.ac.in>

Dear Students,  
Gentle Reminder to join the **Red Hat awareness session** at 11.10 am today.  
Link to join:

[https://teams.microsoft.com/j/meetup-join/19%3a-l\\_1f1E2Uh9yKHxwJdsoUih70hCHJHJ5GJtD48fnAQw1%40thread.tacv2/1712309539668?context=%7b%22Tid%22%3a%228dbd2884-120c-413b-80b2-1117dd3469a4%22%2c%22Oid%22%3a%222ff7d8f9-5a2b-4184-9731-0f23ebabe3ee%22%7d](https://teams.microsoft.com/j/meetup-join/19%3a-l_1f1E2Uh9yKHxwJdsoUih70hCHJHJ5GJtD48fnAQw1%40thread.tacv2/1712309539668?context=%7b%22Tid%22%3a%228dbd2884-120c-413b-80b2-1117dd3469a4%22%2c%22Oid%22%3a%222ff7d8f9-5a2b-4184-9731-0f23ebabe3ee%22%7d)

**Regards,**  
**Bela Anal Shah**  
**Assistant Professor,**  
**Department of Computer Science & Engineering**  
**Chandubhai S. Patel Institute of Technology (CSPIT)**  
**Charotar University of Science & Technology.(CHARUSAT)**

On Mon, Apr 8, 2024 at 9:29 AM Bela Shah <belashah.cse@charusat.ac.in> wrote:  
Dear students,  
Orientation session for Red Hat academy will be held tomorrow at 11.10 am.

On Sun, 7 Apr 2024, 17:53 Amit Thakkar, <amithakkarjit@charusat.ac.in> wrote:  
Dear All,  
Interested students may join this.

----- Forwarded message -----

From: **Bela Shah** <belashah.cse@charusat.ac.in>  
Date: Fri, 5 Apr, 2024, 16:04  
Subject: Join Red Hat Academy for Internship Opportunities and Exclusive Benefits  
To: **Head CSE** <hod.cse@charusat.ac.in>, **Head CE CHARUSAT** <hod.ce@charusat.ac.in>, **Sarita Thummar** <saritathummar.ce@charusat.ac.in>

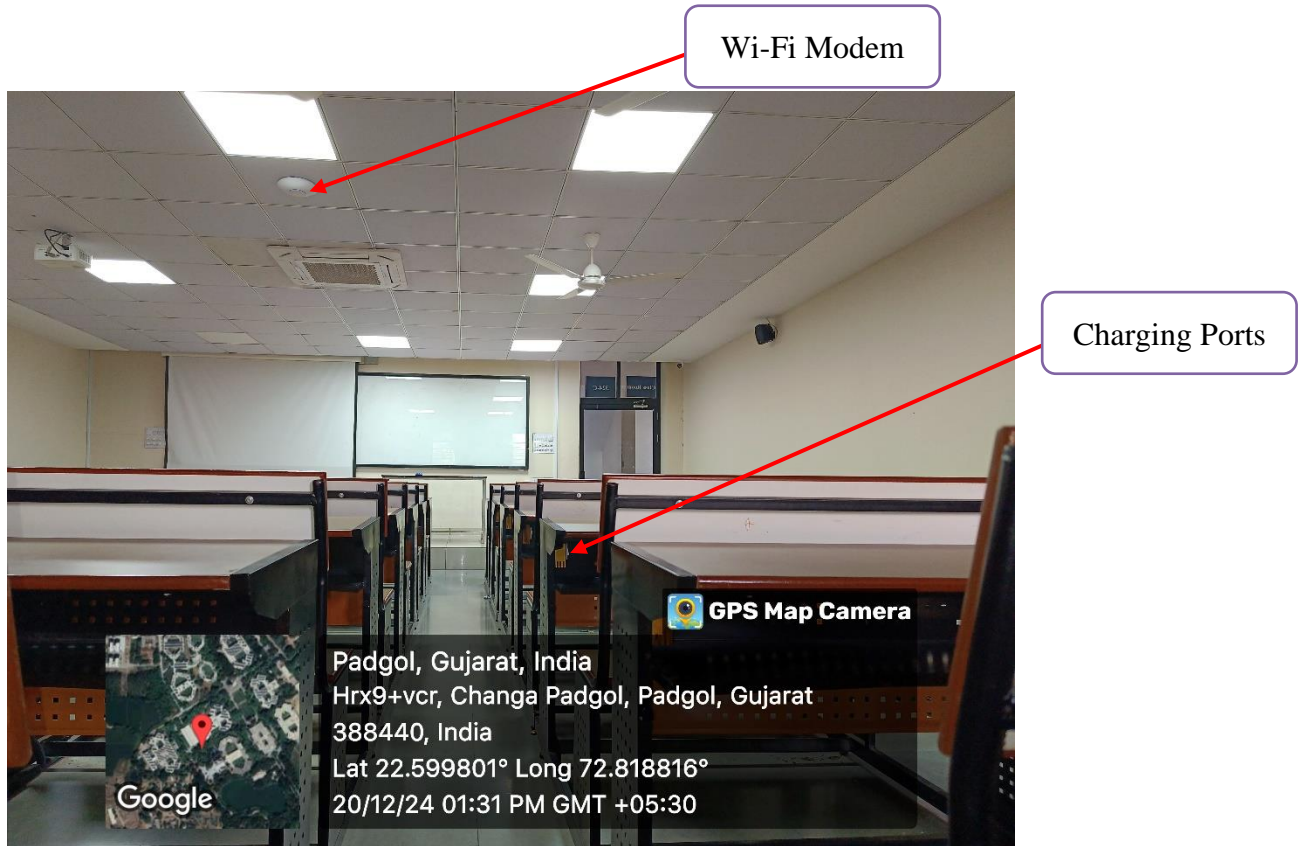
Dear Students,

Are you eager to dive into the world of open source technology and gain valuable experience through an internship? Look no further than Red Hat Academy!



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**Department of Artificial Intelligence and Machine Learning**

**ANNEXURE – IV**



Classroom with laptop charging ports & WiFi enabled facility

*C. Bhatt*



**Charotar University of Science and Technology, Changa**  
**C.S. Patel Institute of Technology**  
**Department of Artificial Intelligence and Machine Learning**

**ANNEXURE – V**

**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY**

Date : 20/12/2024

**BACHELOR OF TECHNOLOGY**

**Syllabus Details**

**Effective Year 2024-25**

<b>Program</b>	: BTECH (AIML)	<b>Semester</b>	: 6
<b>Total Subjects</b>	: 8		
<b>Total Regular Subjects</b>	: 5		
<b>Total Elective Subjects</b>	: 3		

**Group Name** : Elective-I

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
OCAIML300 1	DEEP LEARNING FOR NATURAL LANGUAGE PROCESSING	3.00	1.00		4.00	5.00	12/30	28/70	0/25	10/25	-	-	150
OCAIML300 2	INTRODUCTION TO INTERNET OF THINGS	3.00	1.00		4.00	5.00	12/30	28/70	0/25	10/25	-	-	150
OCAIML300 3	BLOCKCHAIN AND ITS APPLICATIONS	3.00	1.00		4.00	5.00	12/30	28/70	0/25	10/25	-	-	150

**Total Credit for Regular Subjects** : 15.00

**Total Credit for Elective Subjects** : 8.00

**Total Credit** : 23.00

**Examination Grade Range & Value**

Grade	Grade Points	From Marks	To Marks
AA	10.00	80	100
AB	9.00	73	79
BB	8.00	66	72
BC	7.00	60	65
CC	6.00	55	59
CD	5.00	50	54
DD	4.00	45	49
FF	0.00	0	44

*(Handwritten Signature)*



**Charotar University of Science and Technology, Changa**  
**C.S. Patel Institute of Technology**  
**Department of Artificial Intelligence and Machine Learning**

**ANNEXURE – VI**

**Minutes – Meeting on Committee Distribution and Upcoming Tasks**

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Date : 5 June, 2024, Wednesday

Time : 2:00 pm Onwards

Venue : A meeting conducted in the AIML Department, CSPIT, CHARUSAT Campus

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**Agenda Proceedings: -**

**Item 1: The following points are discussed by Dr. Nirav Bhatt (HoD-AIML)**

**Proceedings 1.01:**

**• Committee Distribution**

- Committees were distributed to each faculty member. Each faculty was instructed to plan and complete all tasks before the designated deadlines.
- The various committees include:
  - Board of Studies (BoS)
  - Time Table Committee
  - Admission Committee
  - Industry Training and Departmental Record Committee
  - Examination Committee

**• OBE Session Planning**

- It was discussed that an Outcome-Based Education (OBE) session will be conducted tomorrow, and all faculty members were briefed on its importance and agenda.

**• Student Counselling Emphasis**

- There was an emphasis on the importance of counseling students. Each faculty member was reminded to actively engage with and support their assigned counsel students.

**• Teaching Learning Practices**

- Faculty members are expected to aware students about the detail syllabus of the subject and teaching pedagogy in the beginning of the semester.



**Dr. Nirav Bhatt**

**Head,**

**Artificial Intelligence & Machine Learning, CSPIT**

**Date: 05/06/2024**



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**ANNEXURE - VII**

**List of Expert talks organized (July 2024 to October 2024)**

<b>Title of the Expert Talk</b>	<b>Expert Details</b>	<b>Date &amp; Time</b>
LaTeX for Beginners	Prof. Ishaq Shaik Assistant professor, Dept. of Electrical Engineering GEC - Dahod	03/08/2024
Ethical AI	Dr. Darshan Pandya Assistant professor, SBM, NMIMS, Mumbai, Maharashtra	09/08/2024
Workshop on Cyber Security - Vulnerability Assessment and Penetration Testing (VAPT)	Mr. Mayank Pandya Tech Lead- DevAum Technologies	13/09/2024
AI for ALL meetup 2.0	Pranav Dave, Crestdata, Ahmedabad Malay Andharia, Oracle india Vivek Shah, Capermint, Sanjay Vaghela, IQM, Ahmedabad	05/10/2024
Embedded System “where hardware meets intelligence”	Dr. Jignesh Patoliya, Sr. Design Verification Engineer eInfochips, Ahmedabad	10/10/2024
C Language Unlocked – A hands-on Coding Workshop (Phase - I)	Dr. Jignesh Patoliya, Sr. Design Verification Engineer eInfochips, Ahmedabad	10/10/2024
C Language Unlocked – A hands-on Coding Workshop (Phase - I)	Dr. Jignesh Patoliya, Sr. Design Verification Engineer eInfochips, Ahmedabad	22/11/2024
Aptitude training for placement	Maulik Shah, Gaurang Patel & Bhargav Shobhana	10/08/2024

**List of Industrial Visits organized (July 2024 to October 2024)**

<b>Details of Industry Visit</b>	<b>Date</b>
Amul Chocolate Plant, Mogar	08/07/2024
Tech Mahindra & CDAC, Pune, Maharashtra	18/09/2024 to 21/09/2024

*(Handwritten Signature)*



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**ANNEXURE - VIII**

- Aptitude training for placement has been conducted on 10/08/2024 & 31/08/2024 by Prof. Maulik Shah, Prof. Gaurang Patel, Prof. Bhargav Shobhana & Prof. Nishant Kosti.

The screenshot shows a Zoom meeting titled "Aptitude Training for Placement" with 44 participants. The main content is a slide titled "AVERAGE PROBLEMS" with the following text:

**AVERAGE PROBLEMS**

- key equations used to solve average problems:
  - Basic Average Calculation
    - Average of a Set of Numbers:
 
$$\text{Average} = \frac{\text{Sum of all numbers}}{\text{Number of items}}$$
  - Problems Involving Total and Average
    - Total Sum from Average:
 
$$\text{Total Sum} = \text{Average} \times \text{Number of items}$$
    - New Average after Adding/Removing Items:
      - Adding an Item:
 
$$\text{New Average} = \frac{\text{Old Total Sum} + \text{New Item}}{\text{Old Number of items} + 1}$$
      - Removing an Item:
 
$$\text{New Average} = \frac{\text{Old Total Sum} - \text{Removed Item}}{\text{Old Number of items} - 1}$$
  - Problems with Multiple Groups
    - Average of Multiple Groups:

The screenshot shows a Zoom meeting titled "Aptitude Training for Placement" with 44 participants. The main content is a slide with a math problem and its solution:

10. A pupil's marks were wrongly entered as 83 instead of 63. Due to that the average marks for the class got increased by half ( $\frac{1}{2}$ ). The number of pupils in the class is:

Options: 10, 20, 40, 73

**Solution:**

- Increase in average =  $0.5$
- Total increase in marks =  $83 - 63 = 20$
- Number of pupils =  $\frac{20}{0.5} = 40$

**Answer: 40**

11. A library has an average of 510 visitors on Sundays and 240 on other days. The average number of visitors per day in a month of 30 days beginning with a Sunday is:

Handwritten notes on the slide include the formula  $\Delta \bar{x} = \frac{\sum \Delta x_i}{n}$  and a blue signature.

*M. Shah*







General Aptitude Test organized for the students

*A. Bhatt*

