

FACULTY OF ENGINEERING AND TECHNOLOGY



Annual Report 2023-2024

FACULTY OF ENGINEERING & TECHNOLOGY



Submitted By

Dr. Vineet Goel

Dean

Prepared By

Faculty of Engineering



Faculty of Engineering & Technology

Faculty of Engineering & Technology serves to be the cradle for the inventions and innovations. Faculty of Engineering and Technology aims to be recognized as leaders in higher education, research and industry and to develop human power with creativity, technology and passion for the betterment of nation.

- (i) Bhagwan Mahavir College of Engineering & Technology**
- (ii) Mahavir Swami College of Engineering & Technology**
- (iii) Bhagwan Arihant Institute of Technology**

Program Offered:

Bachelor of Technology

Master of Technology

Ph.D.

FROM DIRECTOR GENERAL'S DESK



Dr. Vineet Goel

Dean-FOET

Dear Faculty, Staff, and Students,

As We Come to The Close of The Academic Year 2023-2024, I Wanted to Take a Moment to Reflect on Our Journey Together and Express My Gratitude for Your Dedication, Resilience, And Commitment to Excellence at Faculty of Engineering and Technology.

This Past Year Has Presented Us with Numerous Challenges, From Adapting to New Modes of Learning and Working in Response to The Ongoing Global Pandemic, To Navigating Changes and Uncertainties in The Higher Education Landscape. Despite These Challenges, Our University Community Has Demonstrated Remarkable Strength and Perseverance, Coming Together to Support One Another And Advance Our Shared Mission of Academic Excellence and Student Success.

Faculty Of Engineering & Technology Offers Bachelor of Engineering and Master of Technology Programme in The Field of Computer, Mechanical, Civil, Automobile, Aeronautical, Electronics, Electronics & Communication. The Academic Programme That Is Designed and Implemented by Bhagwan Mahavir University Provides Undergraduates and Post Graduate a Solid Foundation for Understanding Advanced Technology.

I Am Immensely Proud of Our Faculty for Their Unwavering Dedication to Delivering Highquality Education in Both Online and Hybrid Formats, Ensuring That Our Students Continue to Receive the Knowledge, Skills, And Support They Need to Thrive in Their Academic Pursuits. Your Creativity, Adaptability, And Commitment to Student Learning Have Been Truly Inspiring.

Looking ahead, I am confident that we will emerge from these challenging times stronger and more united than ever before. As we prepare for the year ahead, let us reaffirm our commitment to academic excellence, innovation, and inclusivity, and continue to work together towards our shared vision of transforming lives through education.

Warm regards,

Dr. Vineet Goel

Dean

Faculty of Engineering & Technology, Surat.

❖ Academic Programmes:

The Bhagwan Mahavir University (BMU) Engineering and Technology Department comprises three-degree engineering colleges: BMCET, BAIT, and MSCET, and two polytechnic institutions: BMPoly and MSPoly. Each of these institutions has received recognition from the All-India Council for Technical Education (AICTE) and the Directorate of Technical Education, Government of Gujarat. All are constituent colleges/institutions of BMU.

BMCET started in 2008.

• **MSCET started in 2012.**

• **BAIT was subsequently established in 2017, with the patronage of Bhagwan Mahavir Education Foundation (BMEF).**

The institute also offers undergraduate programs in numerous streams of engineering, such as Automobile, Mechanical, Civil, Electrical, Computer, Electronics, Electronics & Communication, Chemical, Robotics & Automation, Nanotechnology, Aeronautical, Environmental, Pharmaceutical, and Information Technology Engineering.

At postgraduate level, it provides M. Tech in Civil, Electrical, Computer, Mechanical and Electronics Engineering. Research at advanced level is facilitated through Ph.D. programs offered in Civil, Electrical, Computer, Mechanical and Aeronautical engineering.

- Each department has its identity and maintains academic acumen with structured curricula and state-of-the-art facilities.

Programme	Carted By
Bachelor of Technology (Computer Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Automobile Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Electronics and Communication Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Civil Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Mechanical Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Electrical Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Aeronautical Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Robotics and Automation Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Chemical Engineering)	Faculty of Engineering & Technology
Bachelor of Technology (Information Technology Engineering)	Faculty of Engineering & Technology
Master of Technology (Mechanical Engineering)	Faculty of Engineering & Technology

Master of Technology (Construction Project Management)	Faculty of Engineering & Technology
Master of Technology (Structural Engineering)	Faculty of Engineering & Technology
Master of Technology (Geotechnical Engineering)	Faculty of Engineering & Technology
Master of Technology (Real Estate & Valuation)	Faculty of Engineering & Technology
Master of Technology (Town & Country Planning)	Faculty of Engineering & Technology
Master of Technology (Electrical Engineering)	Faculty of Engineering & Technology
Master of Technology (Computer Engineering)	Faculty of Engineering & Technology

- **AERONAUTICAL ENGINEERING:**

BMU's Aeronautical Engineering program is dedicated to the design, development and operation of aircraft and spacecraft. Students learn broadly about the areas including aerodynamics, aircraft structures, propulsion systems, flight dynamics, and control systems. The focus in this study program lies on hands-on experience with the latest technologies and simulations to judge and enhance aircraft performance. Such graduates can take rewarding careers in aerospace research and development, aircraft design, maintenance, among others, roles within the aviation and space industries. This program is a great opportunity as the aerospace sector expands rapidly; hence, for people who love aviation and their processes in exploring and getting into space.

- **AUTOMOBILE ENGINEERING:**

In the field of Automobile Engineering, BMU places a strong emphasis on the design, manufacturing, and maintenance of vehicles. Students can opt for specializations such as Automotive Electronics (focusing on vehicle electronics systems), Vehicle Dynamics (concentrating on the performance and handling of vehicles), and Alternative Fuels (exploring sustainable and alternative propulsion methods). Our well-equipped automotive labs provide hands-on experience with the latest vehicle technologies, allowing students to gain real-world insights into the automotive industry.

- **CIVIL ENGINEERING:**

BMU's Civil engineering deals with the design, construction, and maintenance of the physical and naturally built environment, including public works such as roads, bridges, canals, dams, airports, sewerage systems, pipelines, structural components of buildings, and railways. The curriculum is flexible for specializations towards post-graduate degrees in such fields as Structural Engineering, Construction Project Management, Water Resource Engineering, Town and Country Planning, and

Real Estate Valuation. The cutting edge of laboratories will ensure that the students have widespread hands-on experience and practical skills in all core areas of civil engineering.

- **CHEMICAL ENGINEERING:**

Within the Chemical Engineering department, BMU offers a comprehensive program that delves into the science and processes behind chemical reactions and materials. Students have the opportunity to specialize in areas such as Process Engineering (designing and optimizing chemical processes), Materials Science (studying the properties and applications of materials), and Environmental Engineering (addressing environmental sustainability and pollution control). Our advanced chemical labs are equipped with specialized equipment for experiments in chemical synthesis, analysis, and testing. Graduates from this program find career opportunities in diverse sectors, including pharmaceuticals, petrochemicals, environmental management, and more.

- **COMPUTER ENGINEERING:**

BMU's Computer Science program offers an extensive curriculum that covers a wide spectrum of computing disciplines. Students can specialize in areas like Artificial Intelligence (exploring machine learning, robotics, and AI applications), Software Engineering (learning software development methodologies and practices), and Data Science (analyzing and interpreting complex data sets). Our computer science labs are equipped with the latest hardware and software tools for software development, data analysis, and AI research. Graduates from this program are in high demand across industries such as technology, finance, healthcare, and more.

- **ELECTRICAL ENGINEERING:**

BMU's Electrical Engineering program encompasses a wide spectrum of electrical systems, electronics, and power generation. Students can choose from specialized areas like Power Systems (concentrating on the generation and distribution of electrical power), Control Systems (centred on automation and control processes), and Renewable Energy (exploring sustainable power sources). Our modern laboratories are equipped with advanced equipment, offering students the opportunity to work with emerging technologies in the field.

- **ELECTRONICS ENGINEERING:**

BMU's Electronics Engineering program is tailored to meet the demands of the rapidly evolving electronics industry. Students can choose from various specializations such as Digital Electronics (focusing on digital circuitry and logic design), Analog Electronics (exploring analog circuit design and signal processing), and Embedded Systems (developing computer systems integrated into devices and machinery). Our state-of-the-art electronics labs provide students with hands-on experience in designing and building electronic circuits and systems. Graduates are well-prepared for careers in industries ranging from consumer electronics to telecommunications and automation.

- **INFORMATION TECHNOLOGY**

BMU's Information Technology program focuses on the management and utilization of information systems and technology. Students can specialize in areas such as Network Security (ensuring the security of computer networks), Cloud Computing (exploring cloud based technologies), and Database Management (managing data storage and retrieval systems). Our well-equipped IT labs provide hands-on experience with networking hardware, cybersecurity tools, and database management systems.

- **MECHANICAL ENGINEERING**

Within the Mechanical Engineering department, BMU focuses on the study of mechanical systems, their design, analysis, and development. Students have the opportunity to specialize in various areas, including Thermal Engineering (dealing with heat and energy), Manufacturing Technology (exploring the production processes), and Machine Design (focusing on creating efficient mechanical systems). Our state-of-the-art laboratories are equipped with cutting-edge machinery and tools, facilitating hands-on learning and enabling students to gain practical experience in their chosen field.

- **ROBOTICS AND AUTOMATION**

BMU's Robotics and Automation program immerses students in the exciting realm of autonomous systems and artificial intelligence. Specializations include Autonomous Robots (concerned with self-driving and self-operating machines), Human-Robot Interaction (exploring how humans and robots interact in various settings), and Robotics Vision (focusing on computer vision and perception for robots). Our cutting-edge robotics labs feature the latest hardware and software, providing students with the ideal environment for experimentation, research, and innovation in robotics technology.

❖ Student Details:

Level	Year- I	Year- II	Year- III	Year- IV
B. TECH	158	461	444	347
M.TECH	36	32	-	-

❖ Number of Research Scholars / Post Graduate & Under Graduate students getting financial assistance from University / State / Central:

Sr. No	Name of Students	Enrollment No.	Scholarship Passed year 2023-24	Financial Assistance from
1	Gavit Pragnaben Kolghubhai	2128020203001	76000	Govt of Gujarat
2	Patel Divyeshbhai Navinbhai	20280206043	76000	Govt of Gujarat
3	Patel Aditya Jayeshbhai	2228020203012	76000	Govt of Gujarat
4	Patel Pinal Ashokbhai	2228020203014	76000	Govt of Gujarat
5	Chaudhari Pratikkumar Mohanbhai	20280206005	76000	Govt of Gujarat
6	Rathod Priyanka Ramubhai	2228020203018	76000	Govt of Gujarat
7	Patel Shivaniben Jayantilal	2128020203024	76000	Govt of Gujarat
8	Shreyakumari Rameshbhai	2228020203021	76000	Govt of Gujarat
9	Chaudhari Avani Fatesinhbhai	2328030601003	84000	Govt of Gujarat
10	Vasava Devinandini	2328020203029	79000	Govt of Gujarat
11	Sonvane Shreyansh Rajubhai	2328020303016	79000	Govt of Gujarat
12	Vasava Ashishkumar Anilbhai	2328020601101	76000	Govt of Gujarat
13	Chaudhari Avnika Rakeshbhai	2228030601003	80000	Govt of Gujarat
14	Mahla Himanshukumar	2228020203011	76000	Govt of Gujarat
15	Gamit Dipteshkumar Umeshbhai	20280206014	76000	Govt of Gujarat
16	Patel Megha Hemantkumar	2328020603034	79000	Govt of Gujarat
17	Parmar Yashkumar Vinodbhai	2128020601071	76000	Govt of Gujarat
18	Vagh Nirmalkumar Arvindbhai	2228020601099	76000	Govt of Gujarat
19	Solanki Javkumar Manojbhai	2328020603034	79000	Govt of Gujarat
20	Mehta Dhruvkumar Pareshbhai	2128020203013	76000	Govt of Gujarat

21	Patel Sonali Sumanbhai	2328020203015	79000	Govt of Gujarat
22	Patel Avni Pradiᅇbhai	2128020303012	76000	Govt of Gujarat
23	Solanki Raian Yogeshbhai	2207020703015	67000	Govt of Gujarat
24	Solanki Raivi Yogeshkumar	2207020703016	67000	Govt of Gujarat
25	Makvana Manoikumar	2307021003011	70350	Govt of Gujarat
26	Patel Mahek Javeshbhai	2107020701057	67000	Govt of Gujarat
27	Vasava Nikunikumar	2207021003015	67000	Govt of Gujarat
28	Rathod Nimesh Mahesh	20070209005	67000	Govt of Gujarat
29	Patel Dhruvi Abeshbhai	2307020703032	70350	Govt of Gujarat
30	Patel Mansiben Shaileshbhai	2307020703035	70350	Govt of Gujarat
31	Chaudhari Vaibhavikumari	2307020703006	70350	Govt of Gujarat
32	Vasava Sunilkumar Ashokbhai	2307021003036	70350	Govt of Gujarat
33	Patel Meghaben Rameshchandra	2307020603024	70350	Govt of Gujarat
34	Revar Jemin Tejabbhai	2101020603036	74000	Govt of Gujarat
35	Gohil Chirag Arunbhai	2101020403003	74000	Govt of Gujarat
36	Chauhan Bhavishakumari	2101020601010	74000	Govt of Gujarat
37	Rana Rahulkumar Mukeshbhai	2301020403011	77700	Govt of Gujarat
38	Surati Krishna Bharatkumar	2301020403013	77700	Govt of Gujarat
39	Ganvit Monikaben Kantubhai	2120200360038	74000	Govt of Gujarat
40	Patel Shreva Javeshbhai	2301020403008	77700	Govt of Gujarat
41	Vasava Jigishaben Shantilalbhai	2101020403013	74000	Govt of Gujarat

❖ **Library Details:**

- **No. of Books Available: 19,306**
- **No. of Title available: 3014**
- **No. of Journals subscribed During: 08**
- **No. of magazines subscribed during: 00**

FACULTY OF ENGINEERING STAFF PROFILE
COMPUTER ENGINEERING DEPARTMENT

Staff Profile				
SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1	Mrs.Rauki Yadav	M.Tech (CSE) (13.4 Years)	Head Of Department/ Assistant Professor	
2	Ms. Nensi Panchal	M.Tech (IT) (5.7 Years)	Assistant Professor	
3	Mrs. Ashka Bhalodia	M.E.(CE) (5 Years)	Assistant Professor	
4	Mrs.Maitry Desai	M.E.(CE) (5.4 Years)	Assistant Professor	
5	Ms. Vandana Patel	B. Tech (CSE) (4.6 Years)	Teaching Assistant	
6	Ms. Kajal Singh	B.E.(CE) (1.5 Years)	Teaching Assistant	
7	Mr. Abhay Hadiya	BE (IT) (2.5 Years)	Teaching Assistant	

8	Mr. Manish Kumar Singh	B.E (CSE) (1 Year)	Teaching Assistant	
9	Mrs. Krishna Vyas	Diploma (5.11 Years)	Lab Assistant	
10	Ms. Darshana Patel	BE (5.11 Years)	Lab Assistant	
11	Ms. Neha Patel	BCA (3.4 Years)	Lab Assistant	

CIVIL ENGINEERING DEPARTMENT

Staff Profile				
SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1	Dr. Deepti Patel	PHD-Geotechnical Engineering (7.1 Years)	Head Of Department/ Associate Professor	
2	Mr. Suresh Bhalgamiya	M. Tech.-Structural Engineering (8 Years)	Assistant Professor	
3	Mr. Sagar Naik	M. Tech.-Structural Engineering (4 Years)	Assistant Professor	
4	Mrs.Janki Patel	M.E.-Construction Engineering and Management (7 Years)	Assistant Professor	
5	Mr. Vijay Kothari	M.E.-Town & Country Planning (6.5 years)	Assistant Professor	
6	Mr. Jigesh Gajera	M.E.-Town & Country Planning (5 Years)	Assistant Professor	

7	Mr. Kishan M. Rana	M. Tech.- Water Resource Engineering and Management (2.5 Years)	Assistant Professor	
17	Ms. Nancy Patel	Diploma in Civil (4 Years)	Lab Assistant	

MECHANICAL ENGINEERING DEPARTMENT

Staff Profile				
SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1	Mr. Dharmag Patel	M.E.-Cad-Cam (13 Years)	Head of Department/ Assistant Professor	
2	Mr. Shailesh Goyani	M.E.-Cad-Cam (12 Years)	Assistant Professor	
3	Mr. Kaikaskumar Sakpal	M.E.-Design (8 Years)	Assistant Professor	
4	Mr. Narendra Dalia	M.E.-Thermal (10 Years)	Assistant Professor	
5	Mr. Latesh Kshatriya	B.E. Mechanical (2.5 Years)	Assistant Professor	

AERONAUTICAL ENGINEERING DEPARTMENT

Staff Profile				
SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1.	Mr. Gaurav Mehta	M.E-Mechanical Engineering 13 Years	Head Of Department/ Assistant Professor	
2	Mr. Keyur Patel	M.E.-Gas Turbine and Jet Propulsion 9 Years	Assistant Professor	
3	Mrs.Dharti Parmar	M.Tech – Turbo Machinery 7 Years	Assistant Professor	

AUTOMOBILE ENGINEERING DEPARTMENT

Staff Profile				
SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1.	Mr. Nilesh Vasawala	B.E.- Automobile 9 years	Head Of Department	
2	Mr. Happy Patel	M.E.-Advance Manufacturing systems 10 years	Assistant Professor	

ELECTRONICS ENGINEERING DEPARTMENT

Staff Profile				
SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1	Mr. Rahul Gonawala	M.E.- E&C (11 year)	Head of Department/ Assistant Professor	
2	Mrs.Priti Bhagat	M.Tech - E&C (6 year)	Assistant Professor	
4	Ms. Sneha Patel	M.E. – E &C (1 year)	Assistant Professor	
5	Ms. Vaishali Tandel	B.E. (7.10 year)	Lab Assistant	

CHEMICAL ENGINEERING DEPARTMENT

Staff Profile				
SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
2.	Mrs.Irshita Patel	M.Tech-Chemical Engineering (6 Years)	Head of Department\ Assistant Professor	
3.	Mrs.Urmila Chauhan	M.E -Chemical Engineering (8 Years)	Assistant Professor	
4.	Mr. Hardik Sailor	M.E – Chemical Engineering	Assistant Professor	

HUMAN SCIENCE DEPARTMENT

Staff Profile				
SR .NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1	Mrs. Pooja Desai	M.Sc. (12 Years)	Head of Department/ Assistant Professor	
2	Ms. Vaishali Patel	M.Sc, B.Ed., M. Phil, (8 Years)	Assistant Professor	
3	Mrs. Radhika Maheshwari	M.Sc (7 Year)	Assistant Professor	
4	Dr. Vanita Kapadia	M.Sc, Ph.D (10 year)	Assistant Professor	
5	Ms. Komal Pandey	MBA (2 years)	Assistant Professor	

ELECTRICAL ENGINEERING DEPARTMENT**Staff Profile**

SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1.	Mrs. Bhumika Patel	M.Tech- Electrical Engineering (11 Years)	Head of Department/ Assistant Professor	
2.	Mrs. Prajakta Patil	B. Tech (1 Year)	Teaching Assistant	

ADMIN OFFICE

Staff Profile

SR. NO	NAME OF FACULTY	QUALIFICATION & EXPERIENCE	DESIGNATION	PHOTO
1.	Mr. Manan Joshi	Diploma Automobile Engineering (11 Years)	Clerk	
2.	Mrs. Varsha Upadhyay	B. Sc, B.Lib, M.Lib 13.5 Years	Librarian	
3.	Mrs. Marry Patel	B.Com, MSW, B.Lib, M.Lib 2 Year	Asst. Librarian	

Computer Engineering Department Photo Gallery



Computer Lab: Computer Programming and Utilization



Computer Lab: Cyber Security



Computer Lab: Database Management System



Computer Lab: Database Management System



Computer Lab: Computer Centre



Computer Lab: System Programming

Civil Engineering Department Photo Gallery



Surveying Lab



Concrete Technology Lab



Highway Engineering Lab



Highway Engineering Lab



Soil Mechanics Lab

Mechanical Engineering Department Photo Gallery



CAD Lab



CNC MACHINES LAB



EME Lab



HMT Lab



MSMT Lab



EG Lab



FM-FPE Lab



MMM Lab



RAC Lab



Workshop

Automobile Engineering Department Photo Gallery



Internal Combustion Engine and Automobile Lab

HSD Department Photo Gallery



Physics Lab



English Lab

TEACHING SCHEME
COMPUTER ENGINEERING DEPARTMENT
SEMESTER WISE TEACHING SCHEME (2023-2024)

SEM	CODE	SUBJECT	L	T	P	CREDITS
1	2010200101	Induction Program	0	0	0	0
	2010200102	Mathematics – I	4	1	0	5
	2010200105	English- Theory	2	0	0	2
	2010200108	English- Practical	0	0	2	1
	2010201102	Engineering Graphics & Design -Theory	2	0	0	2
	2010201104	Engineering Graphics & Design -Practical	0	0	4	2
	2010204101	Basic Electrical Engineering-Theory	3	0	0	3
	2010204102	Basic Electrical Engineering-Practical	0	0	2	1
	2010206101	Programming for Problem Solving-Theory	3	0	0	3
	2010206102	Programming for Problem Solving-Practical	0	0	2	1
		TOTAL				20
2	2010200103	Physics-Theory	3	0	0	3
	2010200106	Physics- Practical	0	0	2	1
	2010200109	Workshop / Manufacturing Practices	0	0	4	2
	2010200110	Sports and Yoga - Practical	0	0	2	1
	2010200201	Mathematics - II-Theory	4	1	0	5
	2010202201	Environmental Science	0	2	2	0
	2010204201	Basic Electronics - Theory	3	0	0	3
	2010204202	Basic Electronics -Practical	0	0	2	1
	2010206201	Object Oriented Programming with JAVA-Theory	3	0	0	3
	2010206202	Object Oriented Programming with JAVA-Practical	0	0	2	1
		Total				20
3	2010200301	Probability and Statistics	4	1	0	5
	2010200306	Indian Constitution	2	0	0	0

	2010200307	Effective Technical Communication– Theory	2	0	0	2
	2010200308	Effective Technical Communication -Practical	0	0	2	1
	2010206301	Data Structures – Theory	3	0	0	3
	2010206302	Python Programming-Theory	3	0	0	3
	2010206303	Data Structures – Practical	0	0	4	2
	2010206304	Python Programming - Practical	0	0	4	2
	2010206305	Digital Electronics – Theory	3	0	0	3
	2010206306	Digital Electronics –Practical	0	0	2	1
		TOTAL				22
4	2010200401	Discrete Mathematics	3	2	0	5
	2010200406	Principles of Economics and Management	3	0	0	3
	2010200409	Universal Human Values - II -Understanding Harmony	2	1	0	3
	2010206401	Operating System-Theory	4	0	0	4
	2010206402	Computer Organization & Architecture – Theory	3	0	0	3
	2010206403	Database Management Systems –Theory	4	0	0	4
	2010206404	Operating System-Practical	0	0	2	1
	2010206405	Computer Organization & Architecture – Practical	0	0	2	1
	2010206406	Database Management Systems –Practical	0	0	2	1
			TOTAL			
5	2010200501	Personality Development Program	2	0	0	2
	2010200502	Design Engineering - I	0	0	2	1
	2010206501	Computer Aided Networking -Theory	4	0	0	4
	2010206502	Theory of Computation	4	1	0	5
	2010206503	Analysis & Design of Algorithms -Theory	4	0	0	4
	2010206508	Computer Aided Networking -Practical	0	0	2	1
	2010206509	Analysis & Design of Algorithms –Practical	0	0	2	1
	2010202508	Disaster Management (Open Elective – I)	3	0	0	3
		Professional Elective Course - I -Theory	-	-	-	-
		Professional Elective Course - I -Practical	-	-	-	-
			TOTAL			

6	2010200601	Intellectual Property Rights	3	0	0	3
	2010200602	Design Engineering - II	0	0	2	1
	2010205614	Microprocessor and Interfacing -Theory	3	0	0	3
	2010205615	Microprocessor and Interfacing -Practical	0	0	2	1
	2010206601	Compiler Design - Theory	3	0	0	3
	2010206607	Compiler Design - Practical	0	0	2	1
		Open Elective-II-Practical	-	-	-	1
		Open Elective-II-Theory	-	-	-	2
		Professional Elective-III-Practical	-	-	-	1
		Professional Elective-III-Theory	-	-	-	3
		Professional Elective-II-Practical	-	-	-	1
		Professional Elective-II-Theory	-	-	-	3
		TOTAL				23
7	1010206701	Artificial Intelligence - Theory	4	0	0	4
	1010206709	Artificial Intelligence - Practical	0	0	2	1
	1010206717	Project	0	0	4	2
		Open Elective - III	0	0	0	3
		Professional Elective Course-IV - Practical	0	0	0	1
		Professional Elective Course-IV - Theory	0	0	0	3
		Professional Elective Course-V - Practical	0	0	0	1
		Professional Elective Course-V - Theory	0	0	0	3
		Professional Elective Course-VI - Practical	0	0	0	1
		Professional Elective Course-VI - Theory	0	0	0	3
		TOTAL				22
8	1010206801	Internship	0	0	24	12
		TOTAL				12

CIVIL ENGINEERING DEPARTMENT

SEMESTER WISE TEACHING SCHEME (2023-2024)

SEM	CODE	SUBJECT	L	T	P	CREDITS
1	2010200101	Induction Program	0	0	0	0
	2010200102	Mathematics – I	4	1	0	5
	2010200103	Physics-Theory	3	0	0	3
	2010200106	Physics- Practical	0	0	2	1
	2010200109	Workshop / Manufacturing Practices	0	0	4	2
	2010200110	Sports and Yoga - Practical	0	0	2	1
	2010201101	Basic Mechanical Engineering - Theory	3	0	0	3
	2010201103	Basic Mechanical Engineering - Practical	0	0	2	1
	2010202101	Basic Civil Engineering - Theory	3	0	0	3
	2010202102	Basic Civil Engineering - Practical	0	0	2	1
			Total			
2	2010200105	English- Theory	2	0	0	2
	2010200108	English- Practical	0	0	2	1
	2010200201	Mathematics - II-Theory	4	1	0	5
	2010201102	Engineering Graphics & Design - Theory	2	0	0	2
	2010201104	Engineering Graphics & Design - Practical	0	0	4	2
	2010202201	Environmental Science	2	2	0	0
	2010204101	Basic Electrical Engineering- Theory	3	0	0	3
	2010204102	Basic Electrical Engineering-Practical	0	0	2	1
	2010206102	Programming for Problem Solving-Theory	3	0	0	3
	2010206102	Programming for Problem Solving-Practical	0	0	2	1
			Total			
3	2010200306	Indian Constitution	2	0	0	0
	2010200307	Effective Technical Communication – Theory	2	0	0	2
	2010200308	Effective Technical Communication - Practical	0	0	2	1
	2010202301	Geotechnical Engineering-Theory	4	0	0	4
	2010202302	Building Construction Technology - Theory	2	0	0	2

	2010202303	Mechanics of Solids - Theory	4	0	0	4
	2010202304	Building and Town Planning - Theory	2	0	0	2
	2010202305	Geotechnical Engineering- Practical	0	0	2	1
	2010202306	Building Construction Technology-Practical	0	0	2	1
	2010202307	Mechanics of Solids - Practical	0	0	2	1
	2010202308	Building and Town Planning - Practical	0	0	4	2
		Total				22
4	2010200402	Numerical & Statistical Method	3	2	0	5
	2010200409	Universal Human Values - II – Understanding Harmony	2	1	0	3
	2010202401	Civil Engineering - Societal & Global Impact	2	0	0	2
	2010202402	Surveying- Theory	4	0	0	4
	2010202403	Structural Analysis-I-Theory	4	0	0	4
	2010202404	Fluid Mechanics & Hydraulics-Theory	4	0	0	4
	2010202405	Concrete Technology-Theory	3	0	0	3
	2010202406	Surveying- Practical	0	0	2	1
	2010202407	Structural Analysis-I-Practical	0	0	2	1
	2010202408	Fluid Mechanics & Hydraulics-Practical	0	0	2	1
	2010202409	Concrete Technology-Practical	0	0	2	1
		Total				29
5	2010200501	Personality Development Program	2	0	0	2
	2010200502	Design Engineering - I	0	0	2	1
	2010202501	Environmental Engineering -Theory	3	0	0	3
	2010202502	Transportation Engineering -Theory	3	0	0	3
	2010202503	Design of Structures - Theory	4	0	0	4
	2010202509	Environmental Engineering - Practical	0	0	2	1
	2010202510	Transportation Engineering - Practical	0	0	2	1
	2010202511	Design of Structures - Practical	0	0	2	1

		Open Elective - I	--	--	--	3
		Professional Elective - I - PR	--	--	--	1
		Professional Elective -I - TH	--	--	--	3
		Total				23
6	2010200601	Intellectual Property Rights	3	0	0	3
	2010200602	Design Engineering - II	0	0	2	1
	2010202601	Water Resource Engineering & Hydrology -Theory	4	0	0	4
	2010202602	Foundation Engineering - Theory	3	0	0	3
	2010202610	Water Resource Engineering & Hydrology - Practical	0	0	2	1
	2010202611	Foundation Engineering - Practical	0	0	2	1
		Open Elective-II-Theory	0	0	0	3
		Professional Elective-III-Theory	0	0	0	4
		Professional Elective-II-Practical	0	0	0	1
		Professional Elective-II-Theory	0	0	0	3
		Total				24
7	1010204701	Switchgear and Protection- Theory	4	0	0	4
	1010204702	Renewable Energy Sources- Theory	3	0	0	3
	1010204714	Switchgear And Protection - Practical	0	0	2	1
	1010204720	Project - I	0	0	4	2
		Open Elective - III	-	-	-	3
		Professional Elective Course - III - PR	-	-	-	1
		Professional Elective Course - III - TH	-	-	-	3
		Professional Elective Course - IV	-	-	-	3
		Professional Elective Course - V	-	-	-	3
	Total				23	
8	1010204801	Internship/Project - II	0	0	24	12
		Total				12

MECHANICAL ENGINEERING DEPARTMENT**SEMESTER WISE TEACHING SCHEME (2023-2024)**

SEM	CODE	SUBJECT	L	T	P	CREDITS
1	2010200101	Induction Program	0	0	0	0
	2010200102	Mathematics – I	4	1	0	5
	2010200103	Physics-Theory	3	0	0	3
	2010200106	Physics- Practical	0	0	2	1
	2010200109	Workshop / Manufacturing Practices	0	0	4	2
	2010200110	Sports and Yoga - Practical	0	0	2	1
	2010201101	Basic Mechanical Engineering - Theory	3	0	0	3
	2010201103	Basic Mechanical Engineering - Practical	0	0	2	1
	2010202101	Basic Civil Engineering - Theory	3	0	0	3
	2010202102	Basic Civil Engineering - Practical	0	0	2	1
		Total				20
2	2010200105	English- Theory	2	0	0	2
	2010200108	English- Practical	0	0	2	1
	2010200201	Mathematics - II-Theory	4	1	0	5
	2010201102	Engineering Graphics & Design - Theory	2	0	0	2
	2010201104	Engineering Graphics & Design - Practical	0	0	4	2
	2010202201	Environmental Science	2	2	0	0
	2010204101	Basic Electrical Engineering- Theory	3	0	0	3
	2010204102	Basic Electrical Engineering- Practical	0	0	2	1
	2010206102	Programming for Problem Solving- Theory	3	0	0	3
	2010206102	Programming for Problem Solving- Practical	0	0	2	1
	Total				20	
3	2010200302	Complex Variables and Numerical Methods	3	2	0	5
	2010200306	Indian Constitution	2	0	0	0
	2010200307	Effective Technical Communication – Theory	2	0	0	2
	2010200308	Effective Technical Communication - Practical	0	0	2	1
	2010201301	Engineering Thermodynamics Theory	4	1	0	5
	2010201302	Kinematics and Theory of Machine- Theory	4	1	0	5

	2010201303	Material Science and Metallurgy-Theory	3	0	0	3
	2010201304	Material Science and Metallurgy-Practical	0	0	2	1
		Total				22
4	2010200407	Mechanical Measurement & Metrology	3	0	2	5
	2010200409	Fluid Mechanics	4	0	2	6
	2010201401	Machine Design & Industrial Drafting	4	0	2	6
	2010201402	Manufacturing Processes -II	3	0	2	5
	2010201403	Design Engineering - I B	0	0	3	3
	2010201404	Manufacturing Processes-Theory	3	0	0	3
	2010201405	Mechanical Measurement and Metrology-Practical	0	0	2	1
	2010201406	Fluid Mechanics and Hydraulics Machines-Practical	0	0	2	1
	2010201407	Fundamentals of Machine Design-Practical	0	0	2	1
	2010201408	Manufacturing Processes-Practical	0	0	2	1
			Total			
5	2010200501	Personality Development Program	2	0	0	2
	2010200502	Design Engineering - I	0	0	2	1
	2010201501	Heat Transfer-Theory	4	0	0	4
	2010201502	Manufacturing Technology-Theory	3	0	0	3
	2010201507	Heat Transfer-Practical	0	0	2	1
	2010201508	Manufacturing Technology-Practical	0	0	2	1
		DEPT Elective-1-Pr	-	-	-	1
		DEPT Elective-1-Th	-	-	-	3
		DEPT Elective-2-Th	-	-	-	4
		Open Elective-1-Th	-	-	-	3
		Total				23
6	2010200601	Intellectual Property Rights	3	0	0	3
	2010200602	Design Engineering - II	0	0	2	1
	2010201601	Applied Thermodynamics-Theory	4	0	0	4
	2010201602	Dynamics of Machinery-Theory	4	0	0	4
	2010201607	Applied Thermodynamics-Practical	0	0	2	1
	2010201608	Dynamics of Machinery-Practical	0	0	2	1
		Department Elective-III-PR	-	-	-	1
		Department Elective-III-TH	-	-	-	3

		Department Elective-IV-TH	-	-	-	3
		Open Elective-II	-	-	-	3
		Total				24
7	1010201701	Project	0	0	4	2
	1010201702	Internal Combustion Engine-Theory	4	0	0	4
	1010201703	Design of Machine Elements - Theory	4	0	0	4
	1010201704	Refrigeration and Air conditioning - Theory	3	0	0	3
	1010201707	Internal Combustion Engine - Practical	0	0	2	1
	1010201708	Design of Machine Elements - Practical	0	0	2	1
	1010201709	Refrigeration and Air conditioning - Practical	0	0	2	1
		DEPT Elective-5-Pr	-	-	-	1
		DEPT Elective-5-Th	-	-	-	3
		Open Elective - III	-	-	-	3
		Total				23
8	1010201801	Internship	0	0	24	12
		Total				12

AUTOMOBILE ENGINEERING DEPARTMENT**SEMESTER WISE TEACHING SCHEME (2023-2024)**

SEM	CODE	SUBJECT	L	T	P	CREDITS
1	2010200101	Induction Program	0	0	0	0
	2010200102	Mathematics – I	4	1	0	5
	2010200103	Physics-Theory	3	0	0	3
	2010200106	Physics- Practical	0	0	2	1
	2010200109	Workshop / Manufacturing Practices	0	0	4	2
	2010200110	Sports and Yoga - Practical	0	0	2	1
	2010201101	Basic Mechanical Engineering - Theory	3	0	0	3
	2010201103	Basic Mechanical Engineering - Practical	0	0	2	1
	2010202101	Basic Civil Engineering - Theory	3	0	0	3
	2010202102	Basic Civil Engineering - Practical	0	0	2	1
		Total				20
2	2010200105	English- Theory	2	0	0	2
	2010200108	English- Practical	0	0	2	1
	2010200201	Mathematics - II-Theory	4	1	0	5
	2010201102	Engineering Graphics & Design - Theory	2	0	0	2
	2010201104	Engineering Graphics & Design - Practical	0	0	4	2
	2010202201	Environmental Science	2	2	0	0
	2010204101	Basic Electrical Engineering- Theory	3	0	0	3
	2010204102	Basic Electrical Engineering- Practical	0	0	2	1
	2010206102	Programming for Problem Solving- Theory	3	0	0	3
	2010206102	Programming for Problem Solving- Practical	0	0	2	1
		Total				20
3	2010200302	Complex Variables and Numerical Methods	3	2	0	5
	2010200306	Indian Constitution	2	0	0	0
	2010200307	Effective Technical Communication – Theory	2	0	0	2
	2010200308	Effective Technical Communication - Practical	0	0	2	1
	2010201301	Engineering Thermodynamics- Theory	4	1	0	5

	2010201302	Kinematics and Theory of Machine-Theory	4	1	0	5
	2010201303	Material Science and Metallurgy-Theory	3	0	0	3
	2010201304	Material Science and Metallurgy-Practical	0	0	2	1
		Total				22
4	2010200407	Organizational Behaviour	3	0	0	3
	2010200409	Universal Human Values - II - Understanding Harmony	2	1	0	3
	2010201402	Fluid Mechanics and Hydraulics Machines- Theory	4	0	0	4
	2010201403	Fundamentals of Machine Design-Theory	4	0	0	4
	2010201406	Fluid Mechanics and Hydraulics Machines-Practical	0	0	2	1
	2010201407	Fundamentals of Machine Design-Practical	0	0	2	1
	2010203401	Basics of Automobile Systems - Theory	4	0	0	4
	2010203402	Automotive Manufacturing Processes and Technology- Theory	3	0	0	3
	2010203403	Basics of Automobile Systems-Practical	0	0	2	1
	2010203404	Automotive Manufacturing Processes and Technology-Practical	0	0	2	1
			Total			
5	2010200501	Personality Development Program	2	0	0	2
	2010200502	Design Engineering - I	0	0	2	1
	2010203501	Automotive Heat Transfer -Theory	4	0	0	4
	2010203502	Automobile Engines -Theory	3	0	0	3
	2010203503	Alternative fuel and power systems - Theory	3	0	0	3
	2010203506	Automotive Heat Transfer - Practical	0	0	2	1
	2010203507	Automobile Engines - Practical	0	0	2	1
	2010203508	Alternative fuel and power systems - Practical	0	0	2	1
		Dept Elective-1-Pr	-	-	-	1
		Dept Elective-1-Th	-	-	-	4
		Open Elective-1-Th	-	-	-	3
		Total	-	-	-	24
6	2010200601	Intellectual Property Rights	3	0	0	3
	2010200602	Design Engineering - II	0	0	2	1
	2010201602	Dynamics of Machinery-Theory	4	0	0	4
	2010201608	Dynamics of Machinery-Practical	0	0	2	1

	2010203601	Automotive refrigeration and Air conditioning - Theory	3	0	0	3
	2010203602	Automotive Electrical and Electronics - Theory	3	0	0	3
	2010203607	Automotive refrigeration and Air conditioning -Practical	0	0	2	1
	2010203608	Automotive Electrical and Electronics-Practical	0	0	2	1
		Department Elective-III-TH	-	-	-	4
		Department Elective-II-PR	-	-	-	1
		Department Elective-II-TH	-	-	-	3
		Open Elective-II	-	-	-	3
		Total				28
7	1010203701	Project	0	0	4	2
	1010203702	Automobile Component & System Design-Theory	3	0	0	3
	1010203703	Vehicle Testing and Homologation-Theory	3	0	0	3
	1010203704	Vehicle Dynamics-Theory	3	0	0	3
	1010203707	Automobile Component & System Design-Practical	0	0	2	1
	1010203708	Vehicle Testing and Homologation-Practical	0	0	2	1
	1010203709	Vehicle Dynamics-Practical	0	0	2	1
		Dept Elective-4-Pr	-	-	-	1
		Dept Elective-4-Th	-	-	-	4
		Open Elective - III	-	-	-	3
		Total				22
8	1010203801	Internship	0	0	24	12
		Total				12

EC AND ELECTRONICS ENGINEERING DEPARTMENT

SEMESTER WISE TEACHING SCHEME (2023-2024)

SEM	CODE	SUBJECT	L	T	P	CREDITS
1	2010200101	Induction Program	0	0	0	0
	2010200102	Mathematics – I	4	1	0	5
	2010200105	English- Theory	2	0	0	2
	2010200108	English- Practical	0	0	2	1
	2010201102	Engineering Graphics & Design - Theory	0	0	4	2
	2010201104	Engineering Graphics & Design - Practical	0	0	4	2
	2010204101	Basic Electrical Engineering- Theory	3	0	0	3
	2010204102	Basic Electrical Engineering- Practical	0	0	2	1
	2010206101	Programming for Problem Solving- Theory	3	0	0	3
	2010206102	Programming for Problem Solving- Practical	0	0	2	1
		Total				
2	2010200103	Physics-Theory	3	0	0	3
	2010200106	Physics- Practical	0	0	2	1
	2010200109	Workshop / Manufacturing Practices	0	0	4	2
	2010200110	Sports and Yoga - Practical	0	0	2	1
	2010200201	Mathematics - II-Theory	4	1	0	5
	2010202201	Environmental Science	2	2	0	0
	2010204201	Basic Electronics - Theory	3	0	0	3
	2010204202	Basic Electronics - Practical	3	0	0	3
	2010206201	Object Oriented Programming with JAVA- Theory	3	0	0	3
	2010206202	Object Oriented Programming with JAVA- Practical	0	0	2	1
		Total				
3	2010200305	Mathematics-III	3	2	0	5
	2010200306	Indian Constitution	2	0	0	0
	2010200307	Effective Technical Communication – Theory	2	0	0	2
	2010200308	Effective Technical Communication - Practical	0	0	2	1
	2010205301	Digital System Design- Theory	4	0	0	4
	2010205302	Network Analysis- Theory	4	0	0	4

	2010205303	Modern Control Systems- Theory	3	0	0	3
	2010205304	Digital System Design- Practical	0	0	2	1
	2010205305	Network Analysis- Practical	0	0	2	1
	2010205306	Modern Control Systems- Practical	0	0	2	1
		Total				22
4	2010200406	Principles of Economics and Management	3	0	0	3
	2010200409	Universal Human Values - II - Understanding Harmony	2	1	0	3
	2010205401	Signal & Systems- Theory	3	0	0	3
	2010205402	Analog Circuit Design- Theory	4	0	0	4
	2010205403	Microprocessor and Microcontroller- Theory	4	0	0	4
	2010205404	Electromagnetic Theory- Theory	4	0	0	4
	2010205405	Essential software tools for Electronics- Practical	0	0	2	1
	2010205406	Signal & Systems- Practical	0	0	2	1
	2010205407	Analog Circuit Design- Practical	0	0	2	1
	2010205408	Microprocessor and Microcontroller- Practical	0	0	2	1
			Total			
5	2010200501	Personality Development Program	2	0	0	2
	2010200502	Design Engineering - I	0	0	2	1
	2010205501	Analog and Digital Communication- Theory	4	0	0	4
	2010205502	VLSI Technology - Theory	4	0	0	4
	2010205508	Analog and Digital Communication- Practical	0	0	2	1
	2010205509	VLSI Technology- Practical	0	0	2	1
		Open Elective (OE) 1	-	-	-	3
		Program Elective I Prc	-	-	-	1
		Program Elective I Th	-	-	-	3
		Program Elective II Prac	-	-	-	1
		Program Elective II Th	-	-	-	3
		Total				24
6	2010200601	Intellectual Property Rights	3	0	0	3
	2010200602	Design Engineering - II	0	0	2	1
	2010205601	Antennas and Wave Propagation- Theory	4	0	0	4
	2010205602	Fiber Optic Communication- Theory	4	0	0	4

	2010205608	Antennas and Wave Propagation- Practical	0	0	2	1
	2010205609	Fiber Optic Communication- Practical	0	0	2	1
		Open Elective (OE) 2				3
		Program Elective III Prac				1
		Program Elective III Th	-	-	-	3
		Program Elective IV Prac	-	-	-	1
		Program Elective IV Th	-	-	-	3
		Total				25
7	1010205701	Digital Signal Processing -Theory	4	0	0	4
	1010205709	Project	0	0	4	2
	1010205710	Digital Signal Processing -Practical	0	0	2	1
		Emerging Area I	-	-	-	4
		Emerging Area II	-	-	-	4
		Open Elective - III	-	-	-	3
		Program Elective V Practical	-	-	-	1
		Program Elective V Theory	-	-	-	3
		Total				22
8	1010205801	Internship	0	0	24	12
		Total				12

CHEMICAL ENGINEERING DEPARTMENT

SEMESTER WISE TEACHING SCHEME (2023-2024)

SEM	CODE	SUBJECT	L	T	P	CREDITS	
1	2010200101	Induction Program	0	0	0	0	
	2010200102	Mathematics – I	4	1	0	5	
	2010200104	Chemistry - Theory	3	0	0	3	
	2010200107	Chemistry - Practical	0	0	2	1	
	2010200109	Workshop / Manufacturing Practices	0	0	4	2	
	2010200110	Sports and Yoga - Practical	0	0	2	1	
	2010201101	Basic Mechanical Engineering - Theory	3	0	0	3	
	2010201103	Basic Mechanical Engineering - Practical	0	0	2	1	
	2010202101	Basic Civil Engineering - Theory	3	0	0	3	
	2010202102	Basic Civil Engineering - Practical	0	0	2	1	
			Total				20
2	2010200105	English- Theory	2	0	0	2	
	2010200108	English- Practical	0	0	2	1	
	2010200201	Mathematics - II-Theory	4	1	0	5	
	2010201102	Engineering Graphics & Design - Theory	2	0	0	2	
	2010201104	Engineering Graphics & Design - Practical	0	0	4	2	
	2010202201	Environmental Science	2	2	0	0	
	2010204101	Basic Electrical Engineering- Theory	3	0	0	3	
	2010204102	Basic Electrical Engineering- Practical	0	0	2	1	
	2010206102	Programming for Problem Solving- Theory	3	0	0	3	
	2010206102	Programming for Problem Solving- Practical	0	0	2	1	
			Total				20
	2010200306	Indian Constitution	2	0	0	0	
	2010200307	Effective Technical Communication – Theory	2	0	0	2	
	2010200308	Effective Technical Communication - Practical	0	0	2	1	
	2010210301	Chemical Engineering Thermodynamics - I	4	1	0	5	

	2010210302	Material & Energy Balance Computation	4	1	0	5
	2010210303	Fluid Flow Operations - Theory	4	0	0	4
	2010210304	Material Science and Metallurgy- Practical	3	0	0	3
	2010210305	Fluid Flow Operations - Practical	0	0	2	1
	2010210306	Applied Chemistry - Practical	0	0	4	2
		Total				22
4	2010200404	Numerical Methods in Chemical Engineering	3	1	0	4
	2010200409	Universal Human Values - II - Understanding Harmony	2	1	0	3
	2010210401	Chemical Engineering Thermodynamics - II	3	1	0	4
	2010210402	Pollution Control & Safety Management - Theory	3	0	0	3
	2010210403	Heat Transfer - Theory	4	0	0	4
	2010210404	Unit Processes & Chemical Technology - Theory	4	0	0	4
	2010210405	Pollution Control & Safety Management - Practical	0	0	2	1
	2010210406	Heat Transfer - Practical	0	0	2	1
	2010210407	Unit Processes & Chemical Technology - Practical	0	0	2	1
			Total			
5	2010200501	Personality Development Program	2	0	0	2
	2010200502	Design Engineering - I	0	0	2	1
	2010210503	Mass Transfer Operation - I	4	0	0	4
	2010210504	Chemical Reaction Engineering - I	4	0	0	4
	2010210505	Instrumentation and Process Control	4	0	0	4
	2010210508	Mass Transfer Operation - I - Practical	0	0	2	1
	2010210509	Chemical Reaction Engineering - I - Practical	0	0	2	1
	2010210510	Instrumentation and Process Control - Practical	0	0	2	1
	2010210511	Seminar	0	0	2	1
		Department Elective	-	-	-	3
		Open Elective	-	-	-	3
			Total			
6	2010200601	Intellectual Property Rights	3	0	0	3
	2010200602	Design Engineering - II	0	0	2	1
	2010210603	Mass Transfer Operations - II - Theory	4	0	0	4

	2010210604	Chemical Reaction Engineering - II - Theory	4	0	0	4
	2010210605	Process Equipment Design and Drawing - Theory	4	0	0	4
	2010210608	Mass Transfer Operations – II - Practical	0	0	2	1
	2010210609	Chemical Reaction Engineering - II - Practical	0	0	2	1
	2010203608	Automotive Electrical and Electronics-Practical	0	0	2	1
	2010210610	Process Equipment Design and Drawing - Practical	0	0	2	1
		Department Elective-II-Theory	-	-	-	3
		Open Elective-II-Theory	-	-	-	3
		Total				28
7	1010210703	Transport Phenomena - Theory	4	0	0	4
	1010210704	Computer Aided Process Synthesis - Theory	4	0	0	4
	1010210705	Process Modelling, Simulation and Optimizations - Theory	4	0	0	4
	1010210708	Computer Aided Process Synthesis - Practical	0	0	2	1
	1010210709	Process Modelling, Simulation and Optimizations - Practical	0	0	2	1
	1010210710	Project	0	0	4	2
		Department Elective				3
		Open Elective	-	-	-	3
		Total				22
8	1010210801	Internship	0	0	24	12
		Total				12

ELECTRICAL ENGINEERING DEPARTMENT**SEMESTER WISE TEACHING SCHEME (2023-2024)**

SEM	CODE	SUBJECT	L	T	P	CREDITS
1	2010200101	Induction Program	0	0	0	0
	2010200102	Mathematics – I	4	1	0	5
	2010200105	English- Theory	2	0	0	2
	2010200108	English- Practical	0	0	2	1
	2010201102	Engineering Graphics & Design - Theory	0	0	4	2
	2010201104	Engineering Graphics & Design - Practical	0	0	4	2
	2010204101	Basic Electrical Engineering- Theory	3	0	0	3
	2010204102	Basic Electrical Engineering- Practical	0	0	2	1
	2010206101	Programming for Problem Solving- Theory	3	0	0	3
	2010206102	Programming for Problem Solving- Practical	0	0	2	1
		Total				20
2	2010200103	Physics-Theory	3	0	0	3
	2010200106	Physics- Practical	0	0	2	1
	2010200109	Workshop / Manufacturing Practices	0	0	4	2
	2010200110	Sports and Yoga - Practical	0	0	2	1
	2010200201	Mathematics - II-Theory	4	1	0	5
	2010202201	Environmental Science	2	2	0	0
	2010204201	Basic Electronics - Theory	3	0	0	3
	2010204202	Basic Electronics - Practical	3	0	0	3
	2010206201	Object Oriented Programming with JAVA- Theory	3	0	0	3
	2010206202	Object Oriented Programming with JAVA- Practical	0	0	2	1
		Total				20
3	2010200305	Mathematics-III	3	2	0	5
	2010200306	Indian Constitution	2	0	0	0
	2010200307	Effective Technical Communication – Theory	2	0	0	2
	2010200308	Effective Technical Communication - Practical	0	0	2	1
	2010204301	Electrical Machine- I- Theory	4	0	0	4
	2010204302	Electrical Circuit Analysis- Theory	3	1	0	4

	2010204303	Analog and Digital Electronics-Theory	4	0	0	4
	2010204304	Electrical Machine- I- Practical	0	0	2	1
	2010204305	Electrical Circuit Analysis- Practical	0	0	2	1
	2010204306	Analog and Digital Electronics-Practical	0	0	2	1
		Total				22
4	2010200406	Principles of Economics and Management	3	0	0	3
	2010200409	Universal Human Values - II - Understanding Harmony	2	1	0	3
	2010204401	Signals & System - Theory	3	0	0	3
	2010204402	Electrical Machine - II - Theory	4	0	0	4
	2010204403	Power System - I - Theory	4	0	0	4
	2010204404	Power Electronics - Theory	4	0	0	4
	2010204405	Signal & System - Practical	0	0	2	1
	2010204406	Electrical Machine - II - Practical	0	0	2	1
	2010204407	Power System - I - Practical	0	0	2	1
	2010204408	Power Electronics- Practical	0	0	2	1
			Total			
5	2010200501	Personality Development Program	2	0	0	2
	2010200502	Design Engineering - I	0	0	2	1
	2010204501	Field Theory	3	2	0	5
	2010204502	Power System - II - Theory	4	0	0	4
	2010204503	Control System Engineering - Theory	4	0	0	4
	2010204507	Power System - II - Practical	0	0	2	1
	2010204508	Control System Engineering - Practical	0	0	2	1
		Open Elective - I	-	-	-	3
		Professional Elective Course - I -PR	-	-	-	1
		Professional Elective Course - I -TH	-	-	-	3
		Total				25
6	2010200601	Intellectual Property Rights	3	0	0	3
	2010200602	Design Engineering - II	0	0	2	1
	2010204601	Microcontrollers - Theory	4	0	0	4
	2010204602	Measurements and Instrumentation – Theory	4	0	0	4
	2010204603	High Voltage Engineering - Theory	4	0	0	4

	2010204608	Microcontrollers - Practical	0	0	2	1
	2010204609	Measurements and Instrumentation - Practical	0	0	2	1
	2010204610	High Voltage Engineering - Practical				1
		Open Elective-II	-	-	-	3
		Professional Elective Course-II Practical	-	-	-	1
		Professional Elective Course-II Theory	-	-	-	3
		Total				25
7	1010205701	Digital Signal Processing -Theory	4	0	0	4
	1010205709	Projectvb	0	0	4	2
	1010205710	Digital Signal Processing -Practical	0	0	2	1
		Emerging Area I	-	-	-	4
		Emerging Area II	-	-	-	4
		Open Elective - III	-	-	-	3
		Program Elective V Practical	-	-	-	1
		Program Elective V Theory	-	-	-	3
		Total				22
8	1010205801	Internship	0	0	24	12
		Total				12

AERONAUTICAL ENGINEERING DEPARTMENT

SEMESTER WISE TEACHING SCHEME (2023-2024)

SEM	CODE	SUBJECT	L	T	P	CREDITS
1	2010200101	Induction Program	0	0	0	0
	2010200102	Mathematics – I	4	1	0	5
	2010200103	Physics-Theory	3	0	0	3
	2010200106	Physics- Practical	0	0	2	1
	2010200109	Workshop / Manufacturing Practices	0	0	4	2
	2010200110	Sports and Yoga - Practical	0	0	2	1
	2010201101	Basic Mechanical Engineering – Theory	3	0	0	3
	2010201103	Basic Mechanical Engineering – Practical	0	0	2	1
	2010202101	Basic Civil Engineering - Theory	3	0	0	3
	2010202102	Basic Civil Engineering - Practical	0	0	2	1
			Total			
2	2010200105	English- Theory	2	0	0	2
	2010200108	English- Practical	0	0	2	1
	2010200201	Mathematics - II-Theory	4	1	0	5
	2010201102	Engineering Graphics & Design – Theory	2	0	0	2
	2010201104	Engineering Graphics & Design – Practical	0	0	4	2
	2010202201	Environmental Science	2	2	0	0
	2010204101	Basic Electrical Engineering- Theory	3	0	0	3
	2010204102	Basic Electrical Engineering- Practical	0	0	2	1
	2010206102	Programming for Problem Solving- Theory	3	0	0	3
	2010206102	Programming for Problem Solving- Practical	0	0	2	1
			Total			
3	2010200303	Linear Algebra and Transforms	3	1	0	4
	2010200306	Indian Constitution	2	0	0	0
	2010200307	Effective Technical Communication – Theory	2	0	0	2
	2010200308	Effective Technical Communication - Practical	0	0	2	1
	2010202303	Mechanics of Solids -Theory	4	0	0	4

	2010202307	Mechanics of Solids - Practical	0	0	2	1
	2010209301	Analysis of Mechanism and Machine Elements - Theory	3	0	0	3
	2010209302	Thermodynamics for Aeronautical Engineering - Theory	3	1	0	4
	2010209303	Fundamentals of Aeronautical Engineering - Theory	3	0	0	3
	2010209304	Fundamentals of Aeronautical Engineering - Practical	0	0	2	1
		Total				23
4	2010200403	Numerical Methods	3	1	0	4
	2010200409	Universal Human Values - II - Understanding Harmony	2	1	0	3
	2010209401	Aircraft Materials and Manufacturing Processes - Theory	3	0	0	3
	2010209402	Aircraft Instrumentation and Control - Theory	3	0	0	3
	2010209403	Fluid Mechanics - Theory	3	0	0	3
	2010209404	Aircraft Structure-I - Theory	3	0	0	3
	2010209405	Aircraft Materials and Manufacturing Processes - Practical	0	0	2	1
	2010209406	Fluid Mechanics - Practical	0	0	2	1
	2010209407	Aircraft Structure-I - Practical	0	0	2	1
	2010209408	Solid Surface Modeling - Practical	0	0	2	1
			Total			
5	2010200501	Personality Development Program	2	0	0	2
	2010200502	Design Engineering - I	0	0	2	1
	2010209504	Aerodynamics-I-Theory	4	0	0	4
	2010209505	Flight Mechanics -Theory	3	0	0	3
	2010209506	Fundamentals of Turbo Machines - Theory	3	1	0	4
	2010209507	Aircraft Structure-II-Theory	3	0	0	3
	2010209508	Aerodynamics-I-Practical	0	0	2	1
	2010209509	Aircraft Structure-II-Practical	0	0	2	1
		Open Elective 1	-	-	-	3
		Program Elective - I	-	-	-	3
		Total	-	-	-	24
6	2010200601	Intellectual Property Rights	3	0	0	3
	2010200602	Design Engineering - II	0	0	2	1
	2010209604	Aerodynamics-II-Theory	4	0	0	4
	2010209605	Computational Fluid Dynamics-Theory	4	0	0	4

	2010209606	Avionics-Theory	3	1	0	4
	2010209607	Fundamentals of Jet Propulsion – Theory	3	1	0	4
	2010209608	Aerodynamics-II-Practical	0	0	2	1
	2010209609	Computational Fluid Dynamics – Practical	0	0	2	1
		Open Elective – II	-	-	-	3
		Program Elective – II	-	-	-	3
		Total				28
7	1010209707	Aircraft Design -Theory	4	0	0	4
	1010209708	Heat Transfer - Theory	3	0	0	3
	1010209711	Aircraft Design - Practical	0	0	2	1
	1010209712	Heat Transfer - Practical	0	0	2	1
	1010209713	Project	0	0	4	2
		Elective III-TH	-	-	-	3
		Elective IV-TH	-	-	-	3
		Elective-III-PR	-	-	-	1
		Open Elective - III	-	-	-	3
		Total				21
8	1010209801	Internship	0	0	24	12
		Total				12

FACULTY OF ENGINEERING & TECHNOLOGY

COMMITTEE LIST

Academic Year: 2023-2024

College Committee	Staff Name	Designation	Responsibilities
Alumni Association Cell	Mrs.Aashika Bhalodiya	Coordinator	The Alumni association cell will be responsible for maintaining a life-long connection between the institute and its alumni.
	Mr. Hardik Sailor	Member	
Women Development Cell Committee (WDC)	Mrs.Vanita Kapadiya	Coordinator	A WDC committee has been constituted to take care of college female students and faculty member's development and equality.
	Mrs.Bhumika Patel	Member	
	Mrs.Janki Patel	Member	
Cultural Activity	Mrs. Pooja Desai	Coordinator	for any cultural activities work and social activity work.
	Mrs.Radhika Maheshwari	Member	
NSS Committee	Mr. Vijay Kothari	NSS	A committee has been constituted by the college to arrange and celebrate various co-curriculum activities and camps for the students.
Anti-Ragging Committee	Mr. Dharmang Patel	Coordinator	A committee has been constituted to curb the Ragging of the newly united student.
	Mr. Abhay Hadiya	Member	
SC/ST Cell	Mr. Happy Patel	Chairman	The college formed SC/ST development committee for SC/ST students. Mr. Kishan Rana is counselor of college and mentioned members take care of college SC/ST students.
	Mr. Kishan Rana	Member	
Discipline Committee	Mr. Gaurav Mehta	Coordinator	The discipline committee will be responsible for teaching its students to uphold the highest standards of respect, integrity, and civility. Also responsible for resolving complaints against students and student organizations and to decide the appropriate Institute response.
	Mr. Sagar Naik	Member	
	Mr. Suresh Bhalgamiya	Member	
	Mr. Keyur Patel	Member	

Infrastructure Committee	Mr. Suresh Balgamiya	Coordinator	A committee has been constituted by the college for the safety development and maintenance of college infrastructure.
Library Management Committee	Mrs. Varsha Upadhyay	Coordinator	The library management committee will be responsible for managing all the book department wise and provide the book evenly to the all students.
Training & Placement Committee	Mr. Vijay Kothari	Coordinator	The Training and Placement committee will be responsible for all kind of training and placement of all branch students.
Time Table Committee	Mr. Kailash Sakpal	Coordinator	This committee will responsible for take care of all courses held within the time period covered by the slot system should confirm to the slot system and all slots are considered equally.
Sports Committee	Mr. Jigesh Gajera	Coordinator	A committee has been constituted to conduct all kind of college level
Skill Development Committee	Mr. Gaurav Mehta	Member	A committee has been constituted for skill development in students
Erp Committee	Mr. Nilesh Vasawala	Coordinator	A committee has been constituted to take care of college ERP System.
	Mr. Latesh Kshatriya	Member	
Website & Media Committiee	Mr. Abhay Hadiya	Coordinator	This committee has been established to take care of updating of website of college and events and its publicity through social media about the FOET.
	Ms. Nensi Panchal	Member	
Exam Section	Mr. Sagar Naik	Coordinator	The Exam section committee's primary responsibility is to ensure the smooth and fair conduct of examinations, including preparing schedules, managing invigilation, evaluating papers, and declaring results, while upholding academic integrity and transparency.
	Mr. Rahul Gonawala	Coordinator	
	Ms. Keyur Patel	Coordinator	
	Ms. Karnika Desai	Member	
IIC	Mrs. Irshita Patel	Coordinator	The Institution Innovation Council Committee has primary responsibility is to foster a culture of innovation and entrepreneurship with in institute, support for innovative initiatives and connect with external stakeholders.

SSIP	Mrs.Janki Patel	Coordinator	SSIP Committee helped students approving projects for support, ensuring grant disbursements, monitoring progress, and facilitating the development of a strong innovation ecosystem within educational institutions.
Reasearch & Publication	Dr. Deepti Patel	Coordinator	The Research and Publication committee typically focuses on fostering and supporting research within an institute, reviewing research proposals, ensuring ethical conduct, and promoting the dissemination of research findings through publications and other avenues
Admission Cell	Mrs.Pooja Desai	Coordinator	An Admission Cell is to oversee and manage the entire admission process, ensuring compliance with regulations, counselling, and providing guidance to students and parents.
	Mr. Jigesh Gajera	Coordinator	
Physically Disability Grievances Redressal Committee	Mrs.Radhika Maheshwari	Coordinator	The Physically Disability Grievances Redressal Committee addresses concerns related to accessibility, facilities, and discrimination faced by students and staff with disabilities, ensuring a fair and inclusive environment.
Academic Head Commiittee	Mr. Rahul Gonawala	Coordinator	The Academic head committee a body responsible for overseeing and guiding academic matters, including curriculum, policies, and faculty matters, ensuring quality and effectiveness of engineering programs.
	Mrs.Priti Patel	Coordinator	

DETAILS OF PLACED STUDENTS

Academic Year: 2023-2024

Name Of College	Name of Students	Company	Annual Salary
Faculty of Engineering & Technology	Mr. Govind Kumar	Synteca Engineering Solutions PVT LTD	2.40 LPA
	Mr. Jash Amliwala	Synteca Engineering Solutions PVT LTD	2.40 LPA
	Mr. Saddam Ansari	Differenz System PVT LTD	3.0 LPA
	Mr. Shubham Kachhiya	Differenz System PVT LTD	3.0 LPA
	Ms. Neha Patil	Sarvadhi Solutions Pvt Ltd	2.50 LPA
	Ms. Vishwa Satasiya	Sarvadhi Solutions Pvt Ltd	2.50 LPA
	Mr. Madhujeet Valsa	Bigscal Technologies Pvt Ltd	2.40 LPA
	Mr. Navadiya Neel	WebOsmotic Pvt Ltd	2.40 LPA
	Mr. Gajjar Sahil	WebOsmotic Pvt Ltd	2.40 LPA
	Mr. Monil Patil	WebOsmotic Pvt Ltd	2.40 LPA
	Mr. Sukhadiya Dhruvi	WebOsmotic Pvt Ltd	2.40 LPA
	Mr. Savan Goti	Daydream soft InfoTech LLP	1.80 LPA
	Mr. Mohit Ramani	Planicsdev InfoTech	3.50 LPA
	Mr. Vishal Purohit	Anti-AI	15.0 LPA
Mr. Manav Desai	Anti-AI	15.0 LPA	

LIST OF RESEARCH AND PUBLICATIONS

Academic Year: 2023-2024

Sr. No.	Title of Research / Review Article	Authors	Name of Journal, Year, Vol (Issue): Pg No	ISSN No.	UGC Approved (Yes/No)
1.	Analysis of cost overrun in construction project	1.Janki Patel 2.Arпита Patel 3. Neha Raval 4. Vijay Mandal	IJCRT Volume 11, Issue 11 November 2023	2320-2882	Yes
2.	From script to screen: The vital role of English language proficiency in the Global Entertainment Landscape	1. Nair Vani Vasant 2. Dr. Vanita Kapadiya	NIU International Journal of Human Rights ANVESAK, July – December: 2023, Vol. 53, No.2(II)	0378-4568	Yes
3.	Breaking barriers, building connections: The vitality of English communication in Global Business Networks.	1.Nair Vani Vasant 2. Dr. Vanita Kapadiya	UGC CARE Group 1 Journal Volume 10 (III):2023	2394:0298	Yes
4.	To develop a mathematical model to predict tensile strength with and without tool shoulder geometry of the friction stir welded AA6061 by RSM	1.Mr. Jenish Patel, 2.Mr. Happy Patel, 3.Mr. Narendra Dalia	IRJMETS Volume:06, Issue:04, April-2024	2582-5208	Yes
5.	Comparative Analysis of Jobs to Identify Optimum Process Parameters of Laser Cutting Machine	1.Mr. Vishal J. Rana, 2. Mr. Dharmang H. Patel, 3. Mr. Jayesh D. Ramani, 4. Dr. Vineet Goel	IRJET Volume: 11 Issue: 04 Apr 2024	2395-0056 2395-0072	Yes
6.	Predicting Online News Popularity using Machine Learning	1. Ankur Jain, 2. Dr Vineet Goel	TSCT	1434-9728 2191-0073	Yes
7.	Literature Survey on Capsule Endoscopy: Current Practice and Future Directions	Ridhdhi Marmik Naik	Recent Innovations in Wireless Network Security Volume 6 Issue 2,2024	HBRP 38-59	Yes
8.	Review on Summing Up Remote Case Endoscopy Video Part in Mild of Between Casing Primary Similitude File	Ridhdhi Marmik Naik	Journal of Advanced Research in Artificial Intelligence & It's Applications Volume 1 Issue 2	HBRP 34:46	Yes

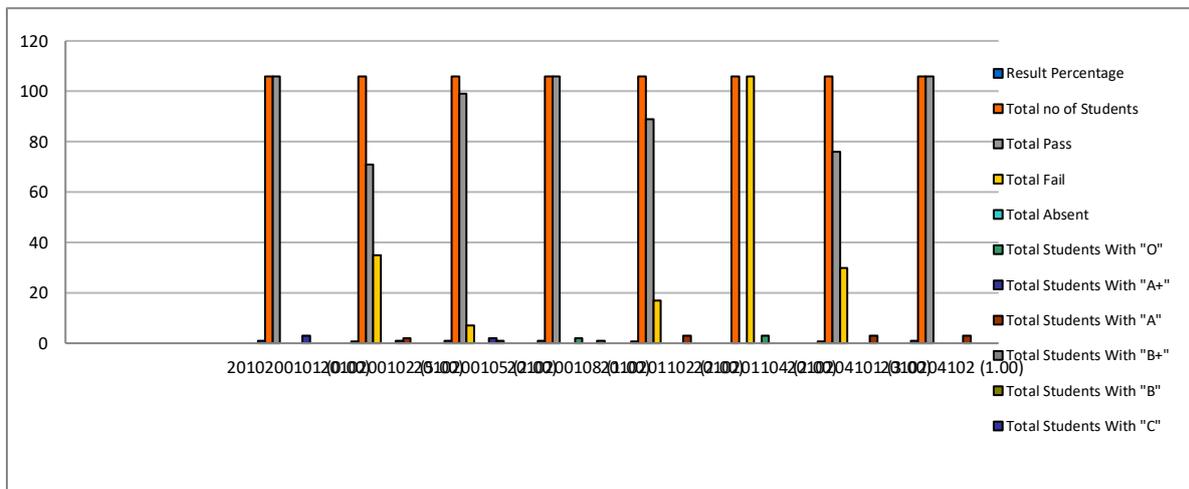
9.	Investing the corrosion resistance of reinforced concrete structures	1. Govind Tivadi 2. Vijay Kothari, 3. Janki Patel, 4. Jigesh Gajera, 5. Manish Babariya	IRJET Volume 10 Issue 4 April 2024	ISSN NO: 2395-0056 2395-0072	Yes
10.	A review paper on optimization of cast iron for defect minimization by using simulation and analytical techniques	1. Vagesh Ramanbhai Nai 2. Dr. Vineet Goel 3. Mr. Dharmang Patel 4. Rajkishore Shukla	IRJET Volume 11 Issue 5 May 2024	2395-0056 2395-0072	Yes

Results Analysis Winter 2023

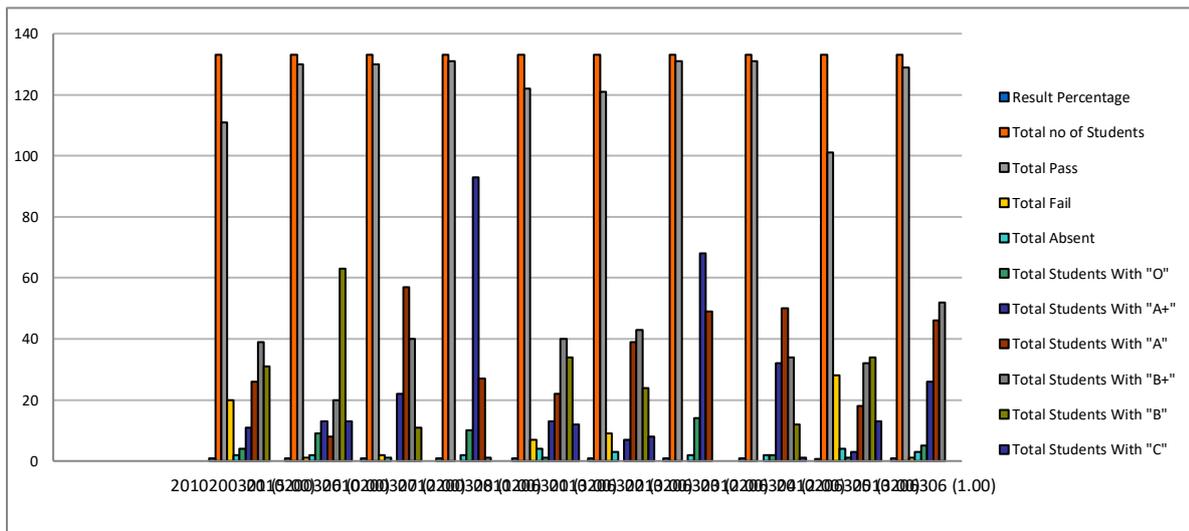
COMPUTER DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
1	109	92	84.40%
3	210	148	70.47%
5	243	165	67.90%
7	110	105	95.45%

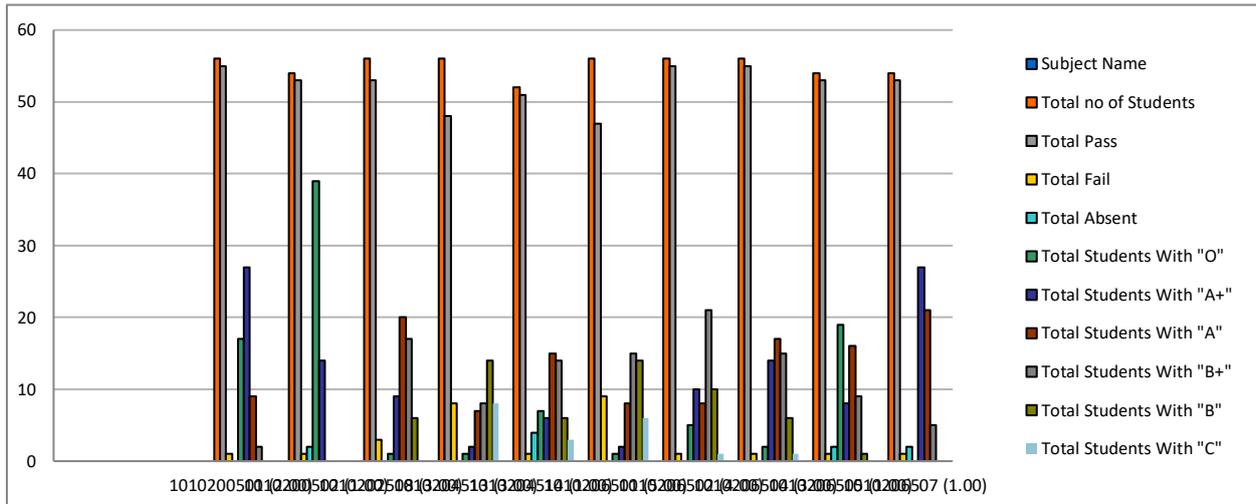
SEM- 1



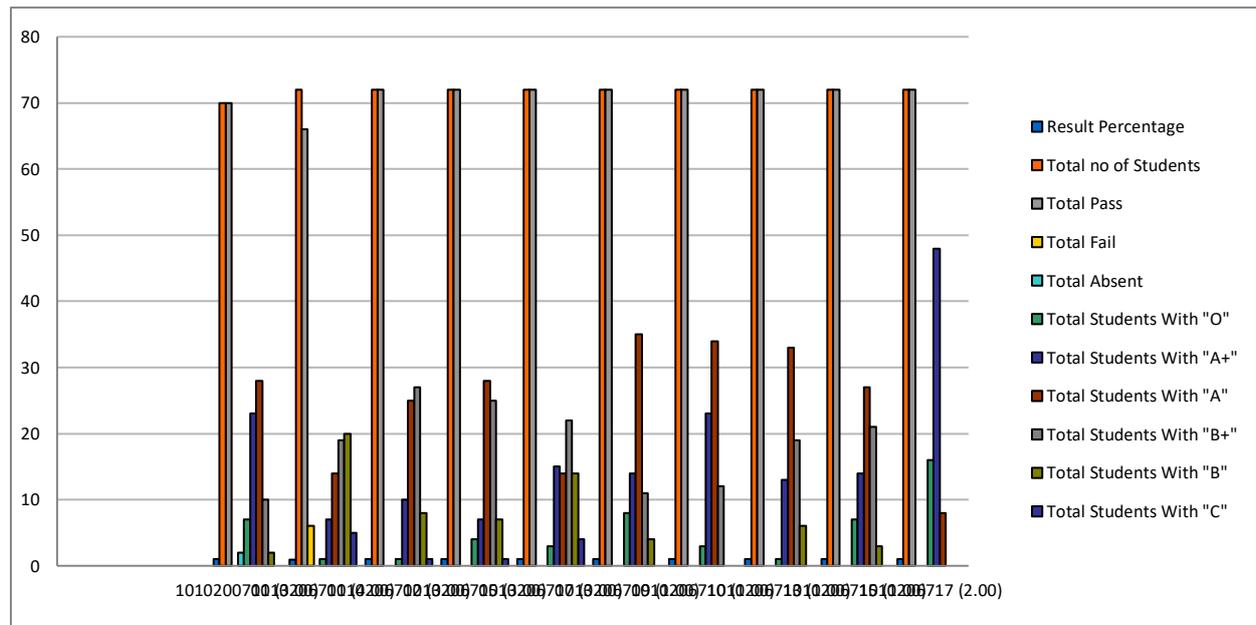
SEM-3



SEM-5



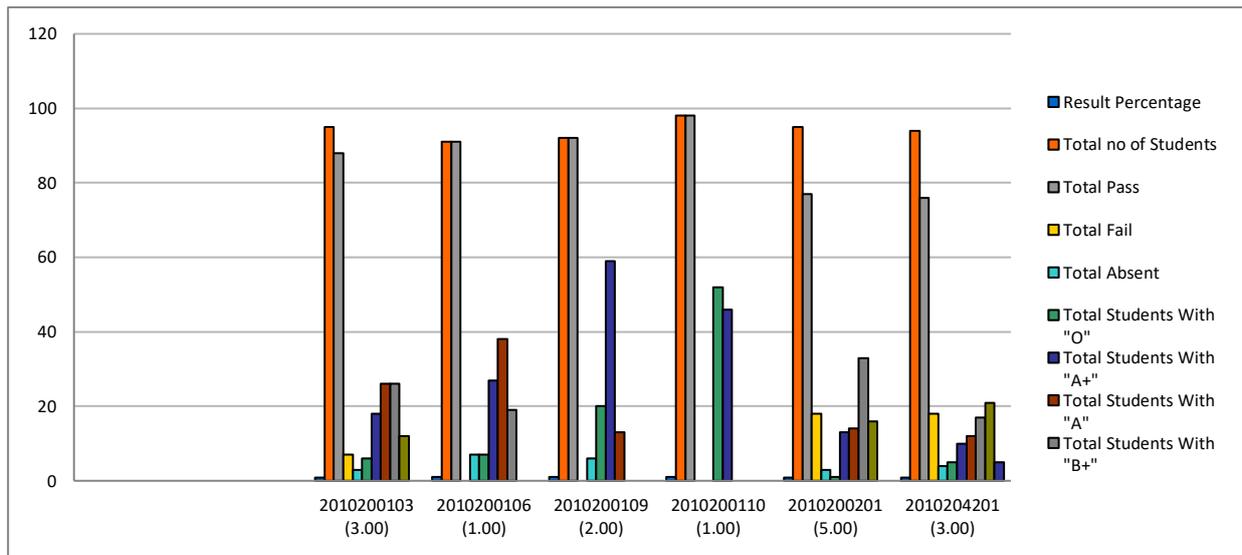
SEM-7



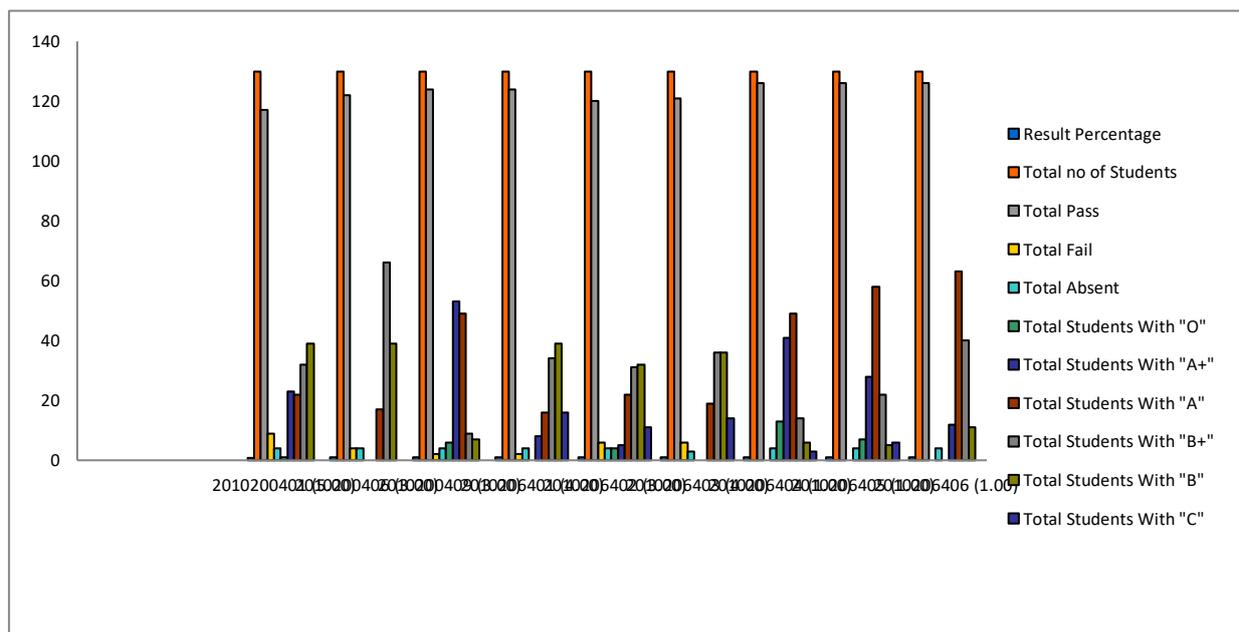
Summer-2024

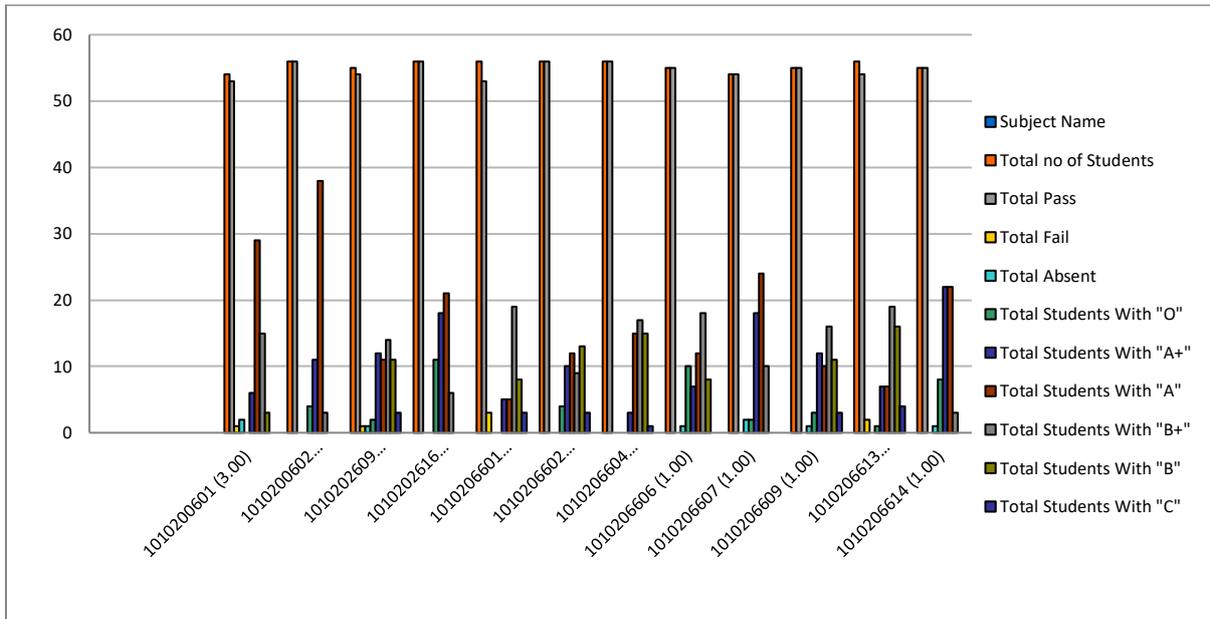
SEM	TOTAL STUDENT	PASS	RESULT
2	103	71	68.93%
4	206	164	79.61%
6	243	212	87.24%
8	112	112	100%

SEM-2

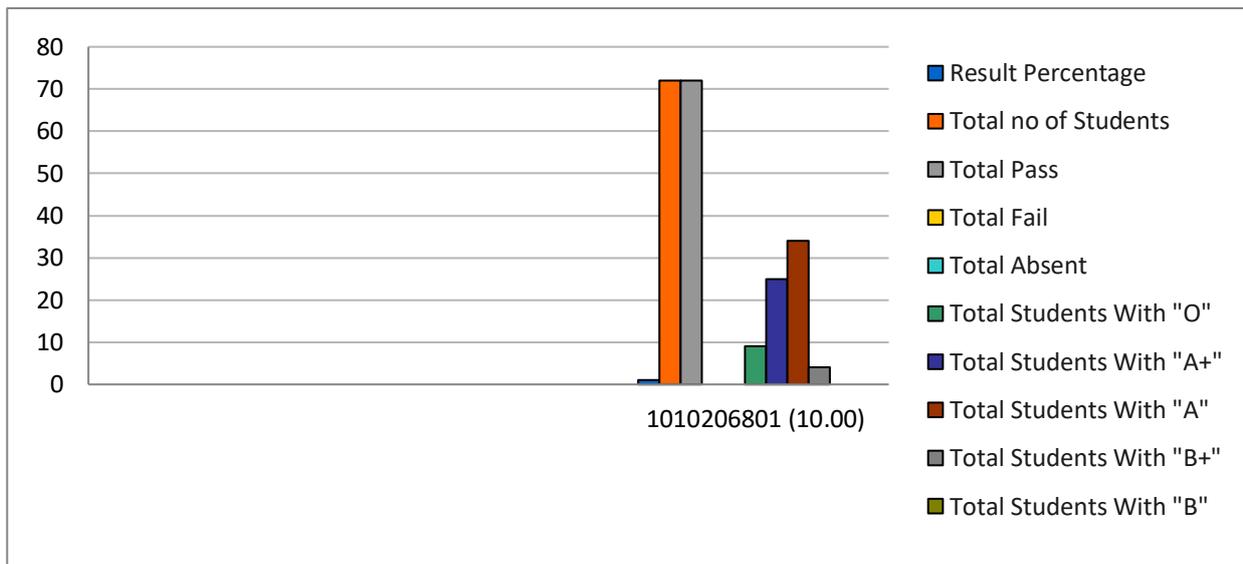


SEM-4





SEM-8

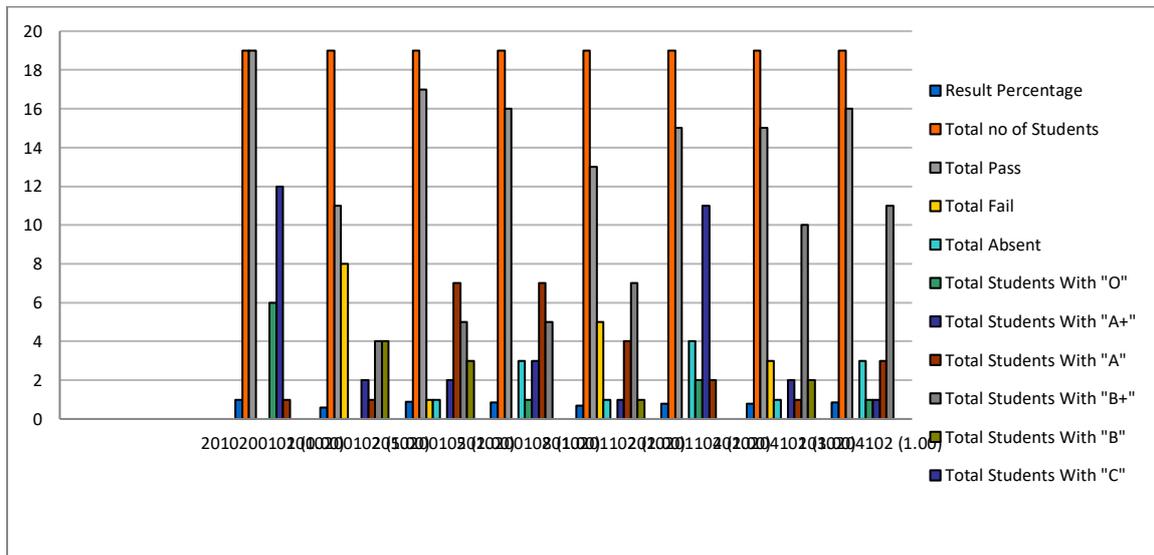


Results Analysis Winter 2023

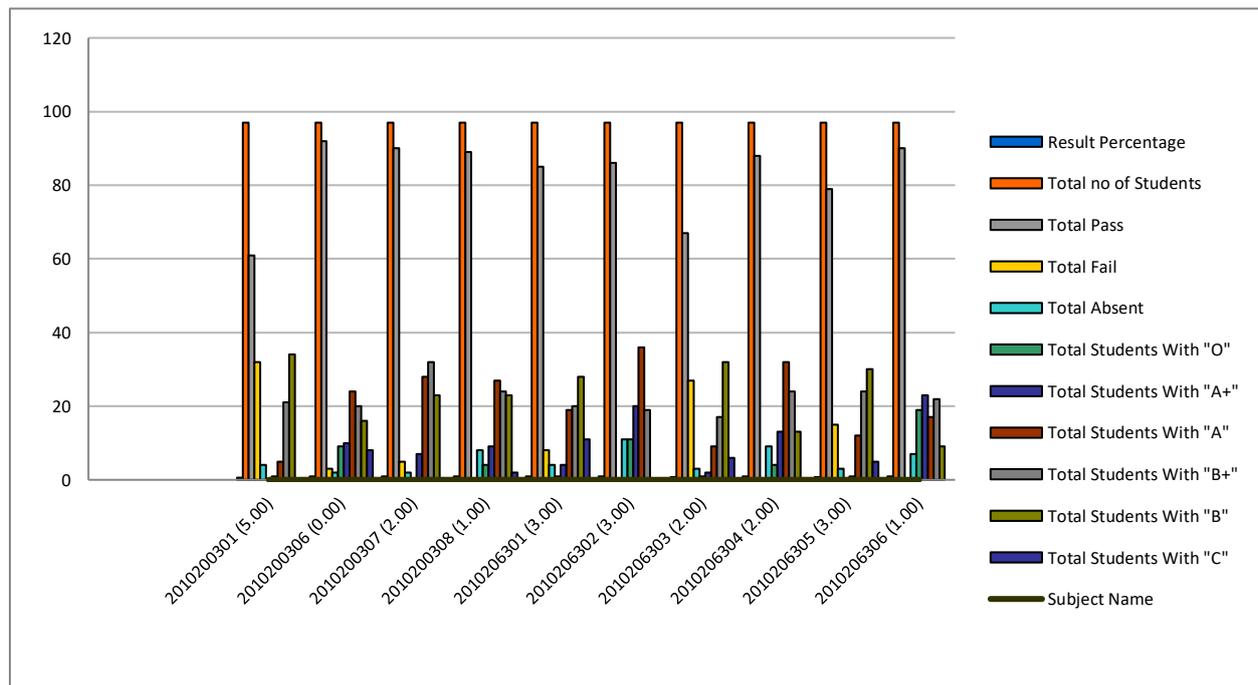
IT DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
1	19	19	100%
3	97	52	53.61%
5	83	74	89.16%

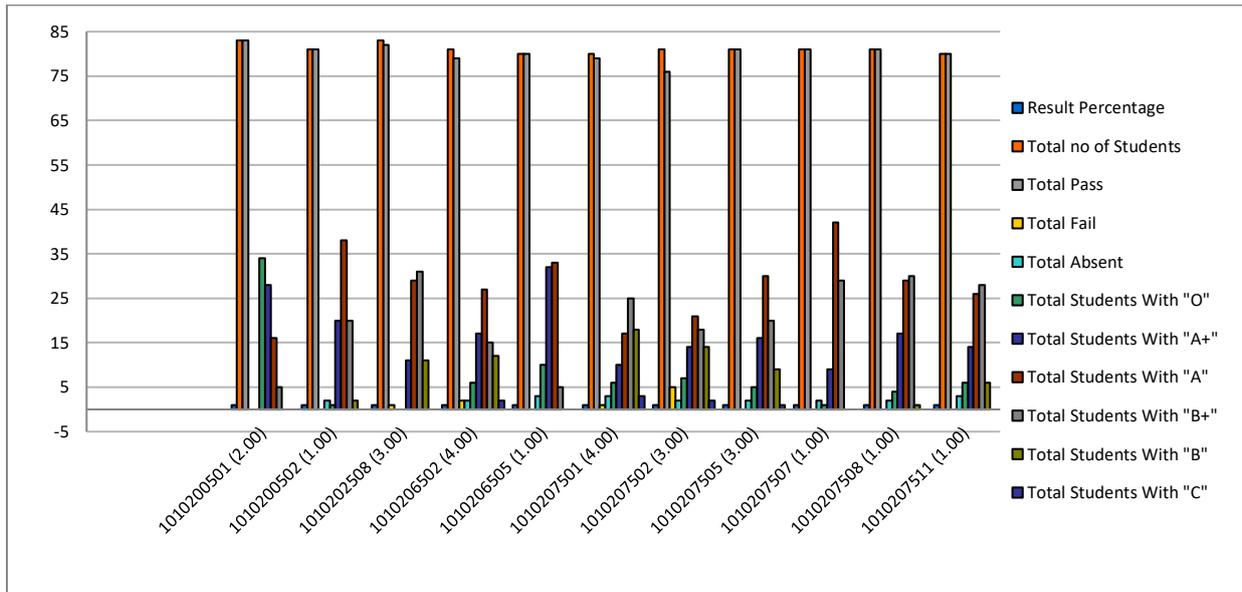
SEM -1



SEM 3



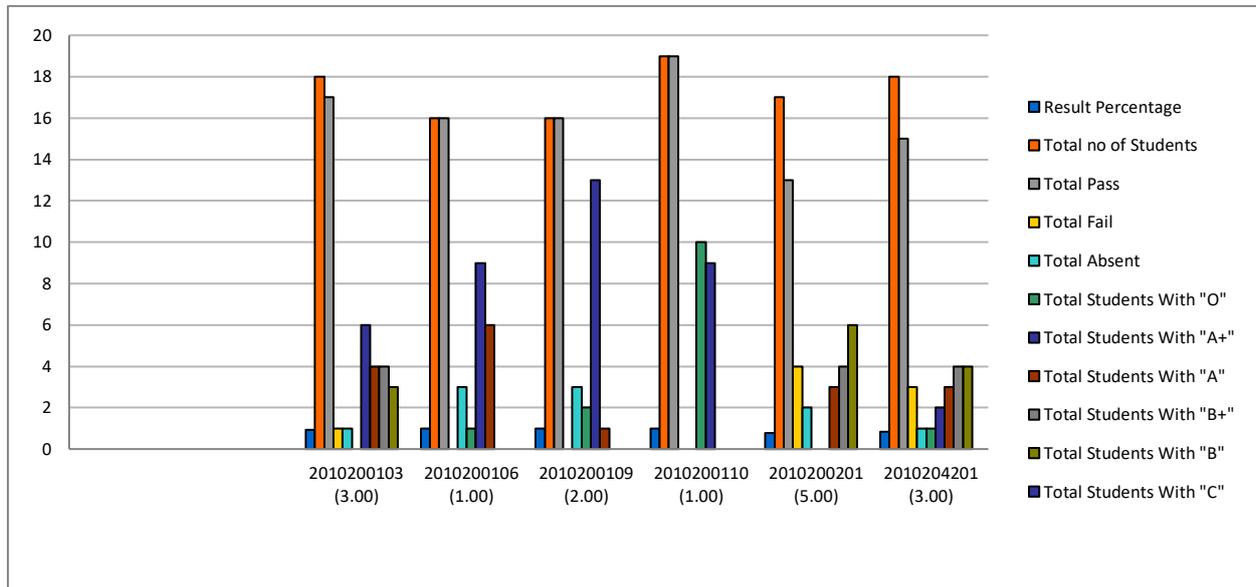
SEM- 5



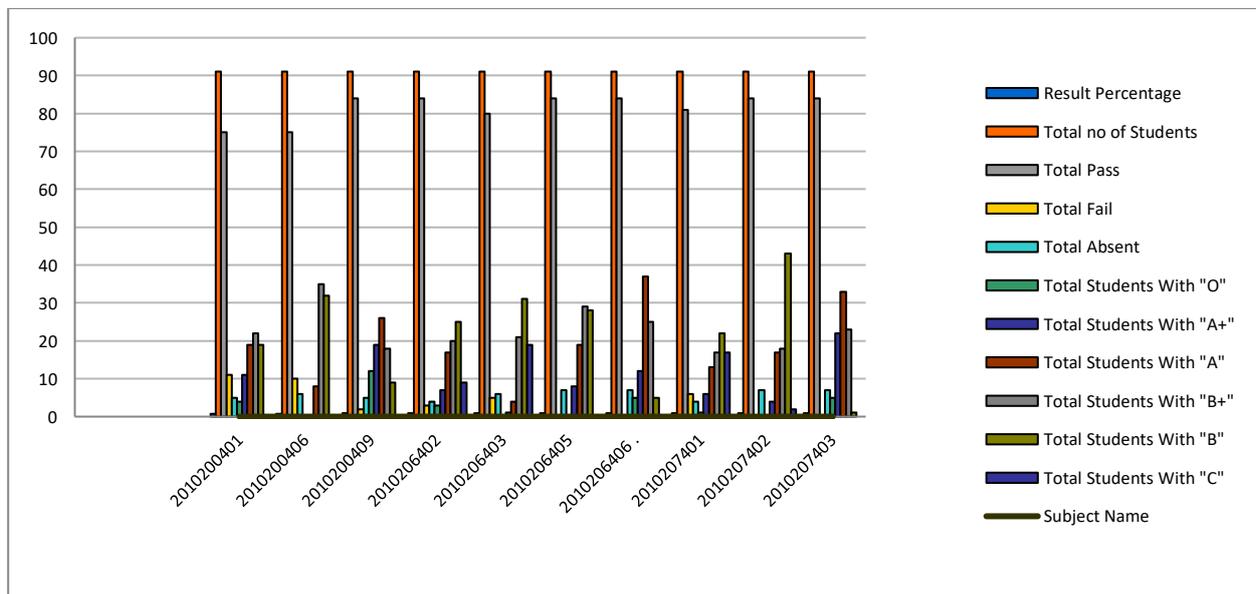
Summer-2024

SEM	TOTAL STUDENT	PASS	RESULT
2	19	10	55.56%
4	91	67	73.63
6	81	76	93.83%

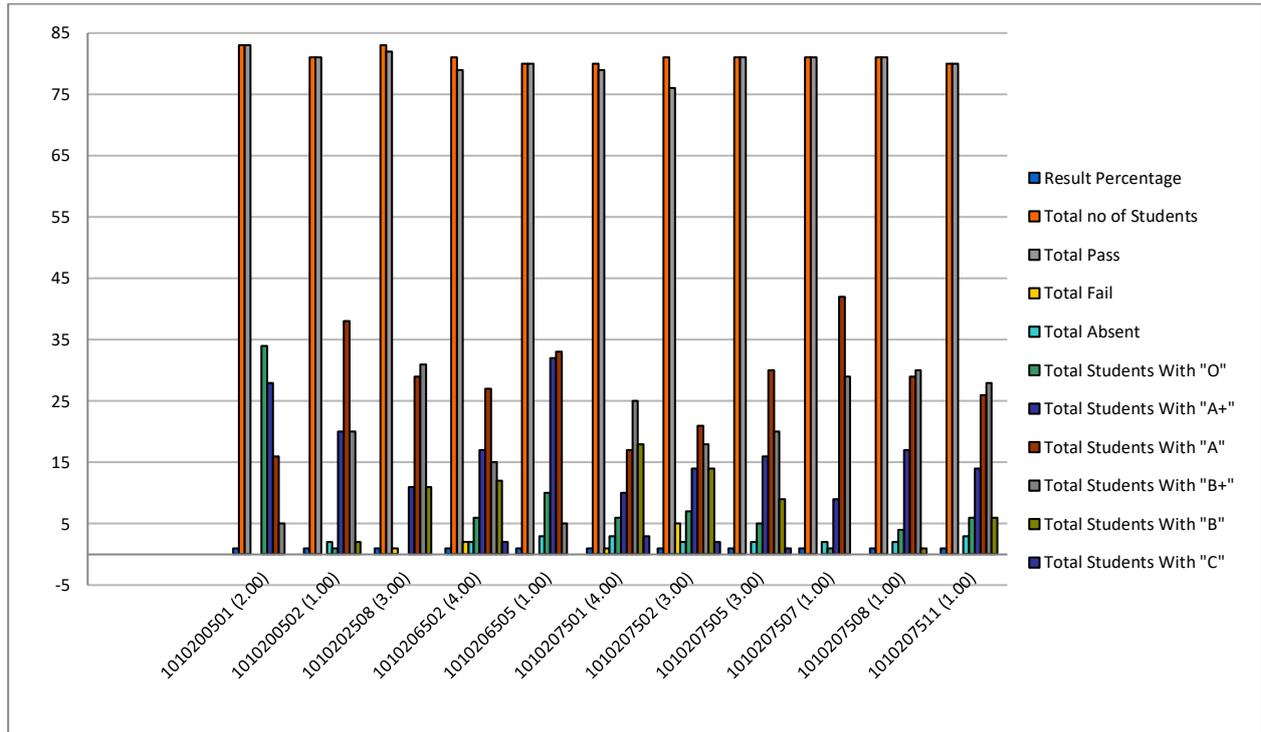
SEM-2



SEM-4



SEM-6

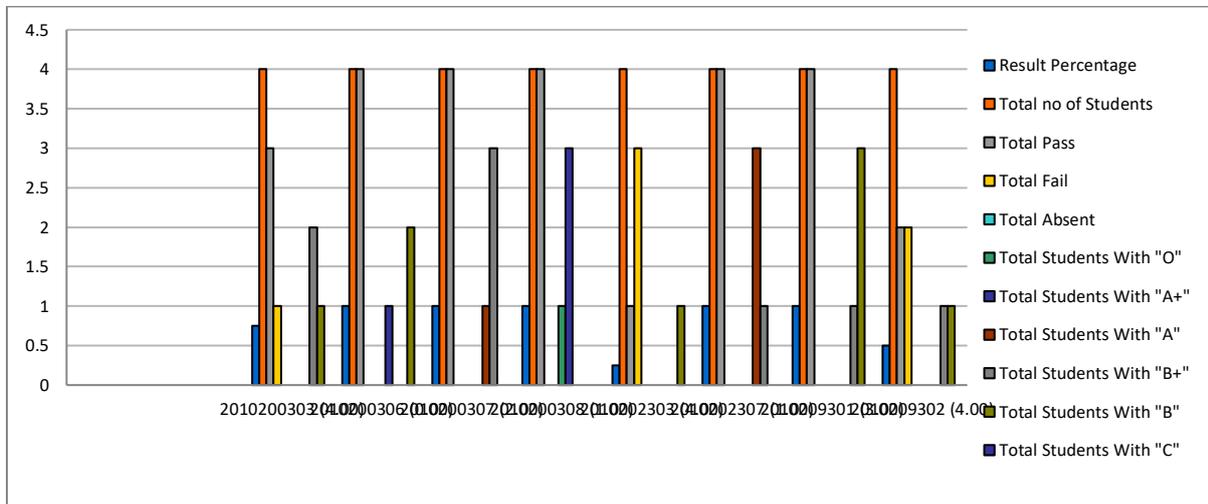


RESULTS ANALYSIS WINTER 2023

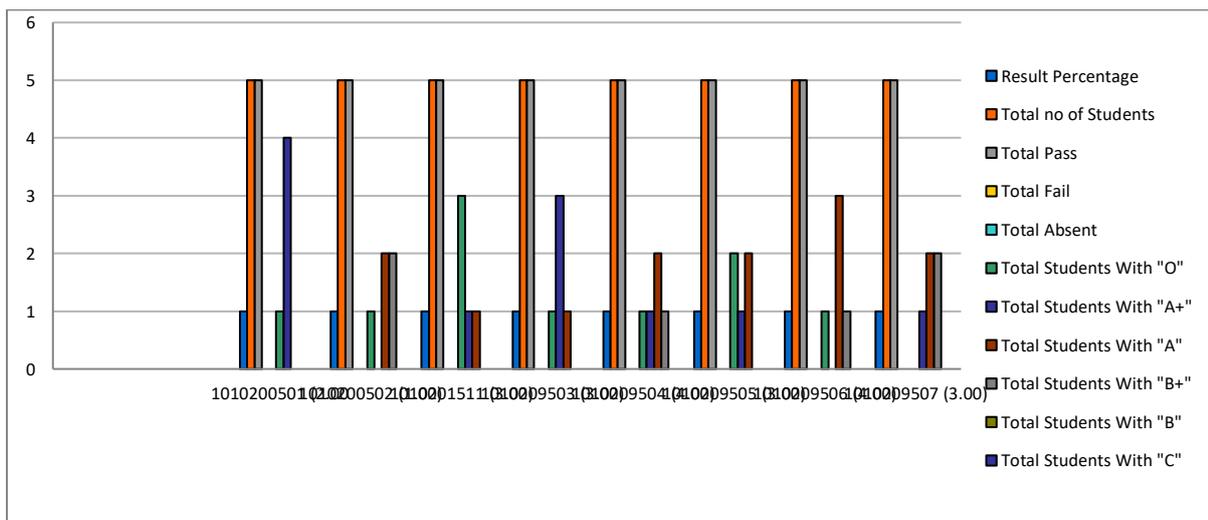
AERONAUTICAL DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
3	4	1	25%
5	5	5	100%
7	5	5	100%

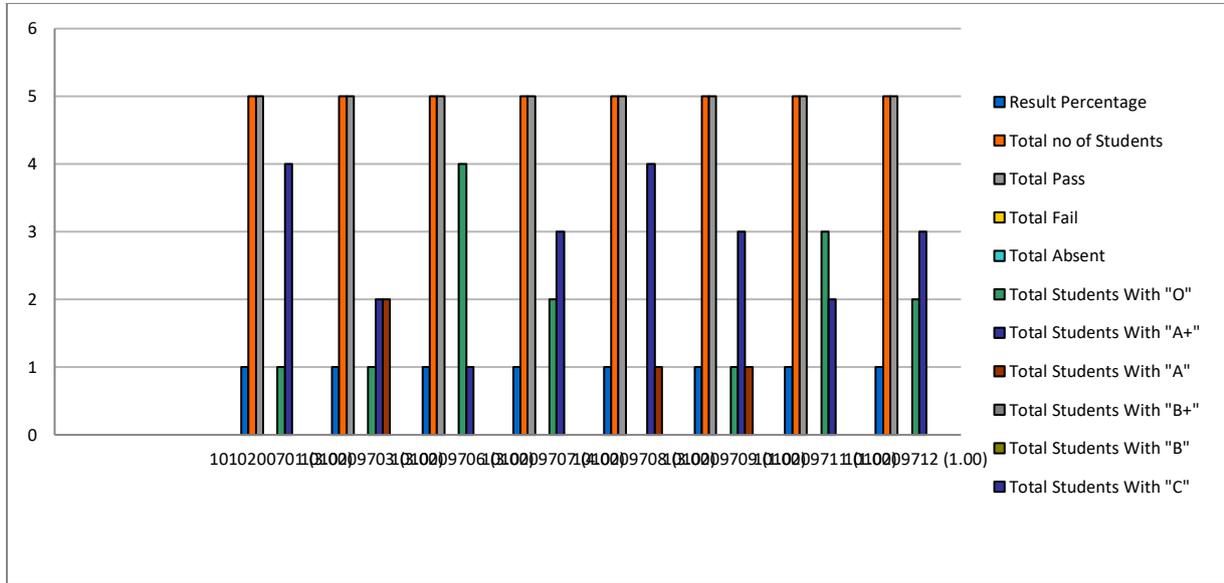
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SEM-5



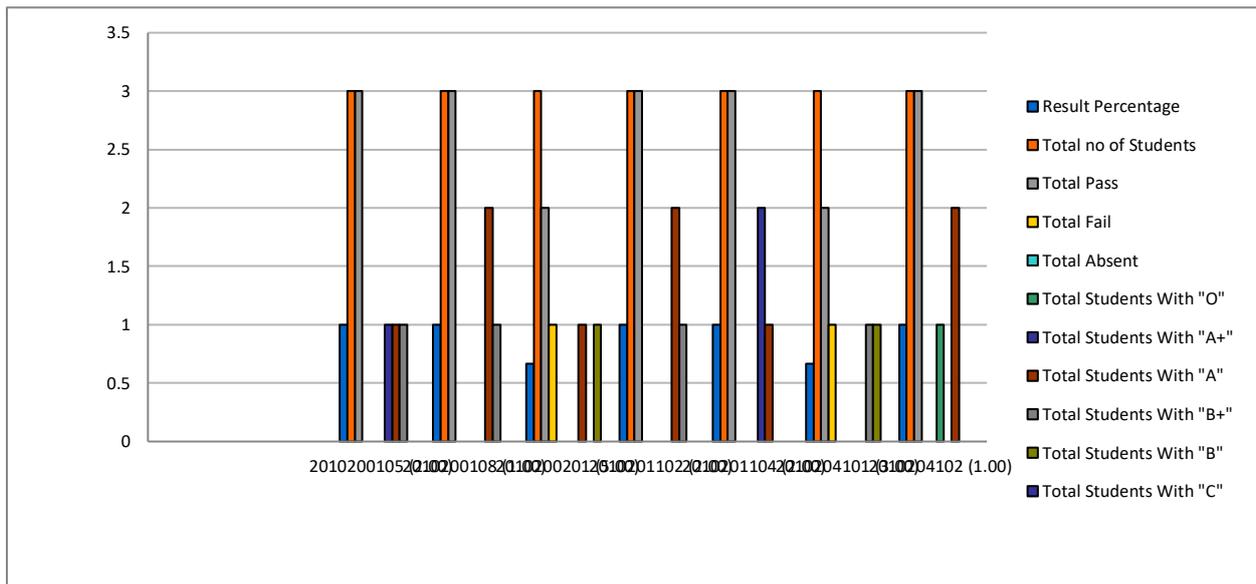
SEM-7



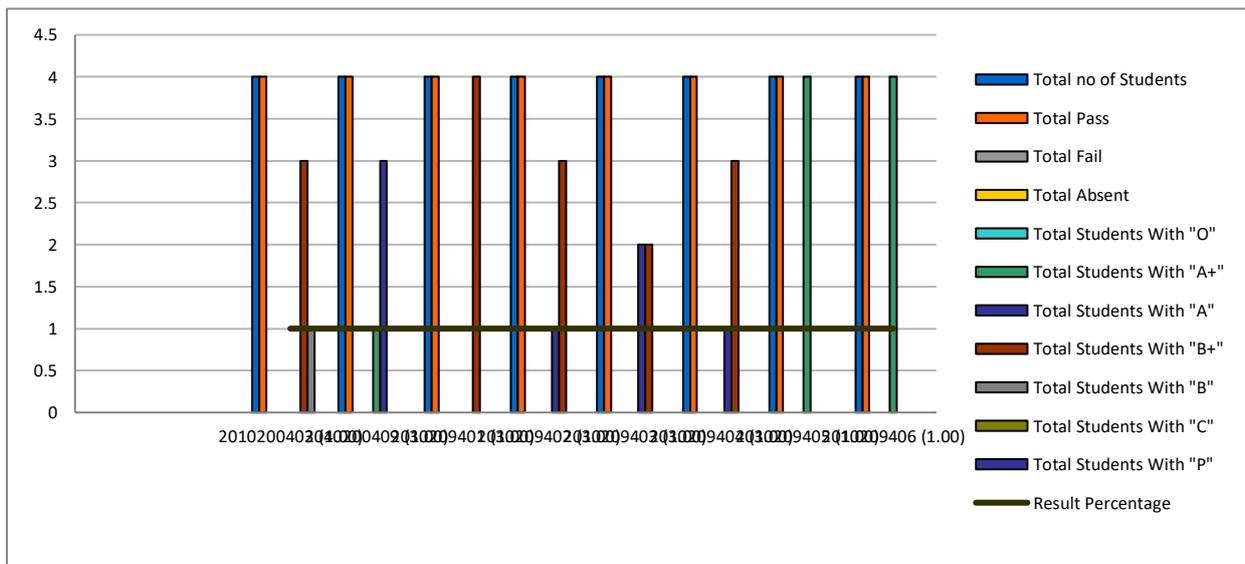
Summer-2024

SEM	TOTAL STUDENT	PASS	RESULT
2	3	1	33.33%
4	4	4	100%
6	5	5	100%
8	5	5	100%

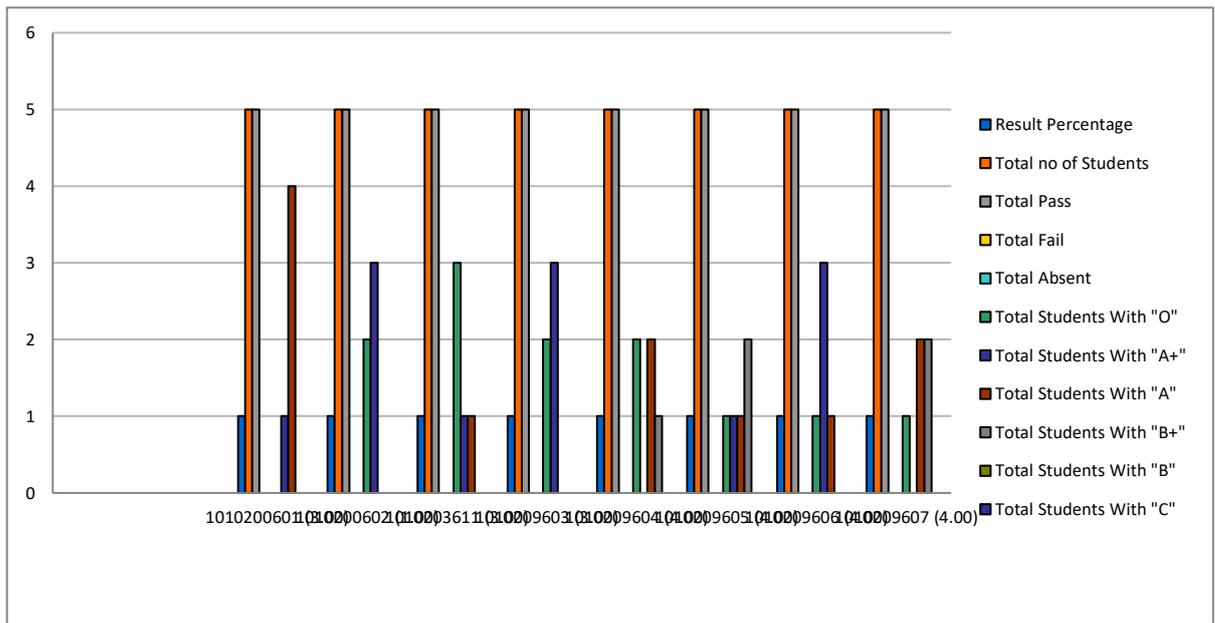
SEM-2



SEM-4



SEM-6



SEM-8

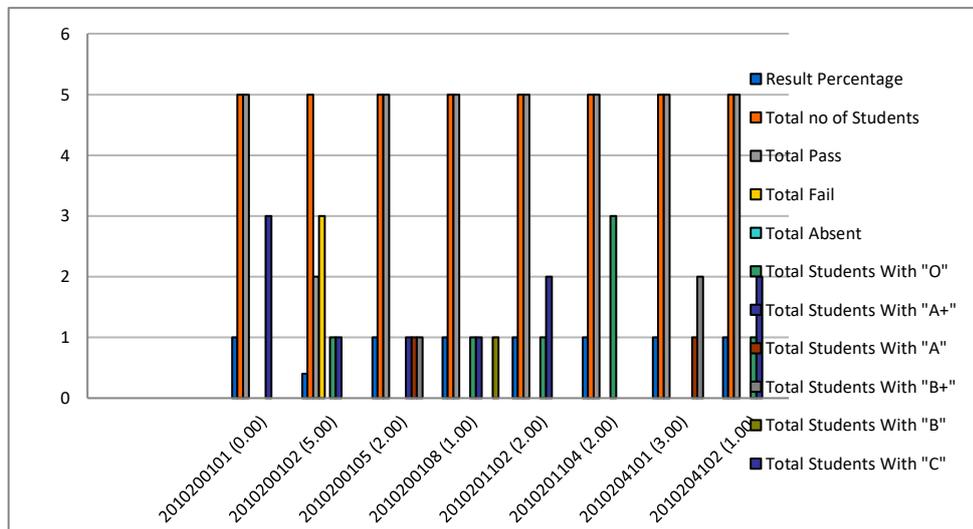


Results Analysis Winter 2023

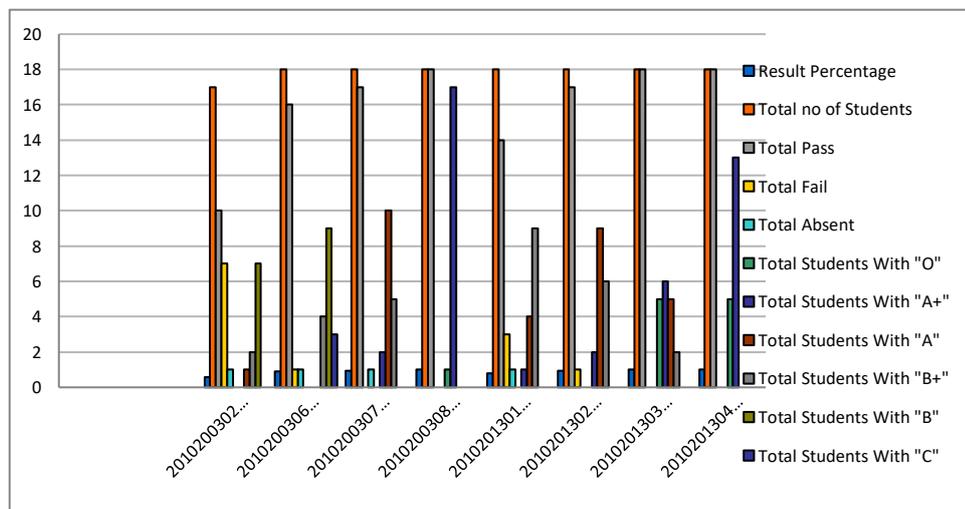
AUTOMOBILE DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
1	5	2	40.00%
3	18	8	47.6%
5	25	22	88%
7	8	5	62.50%

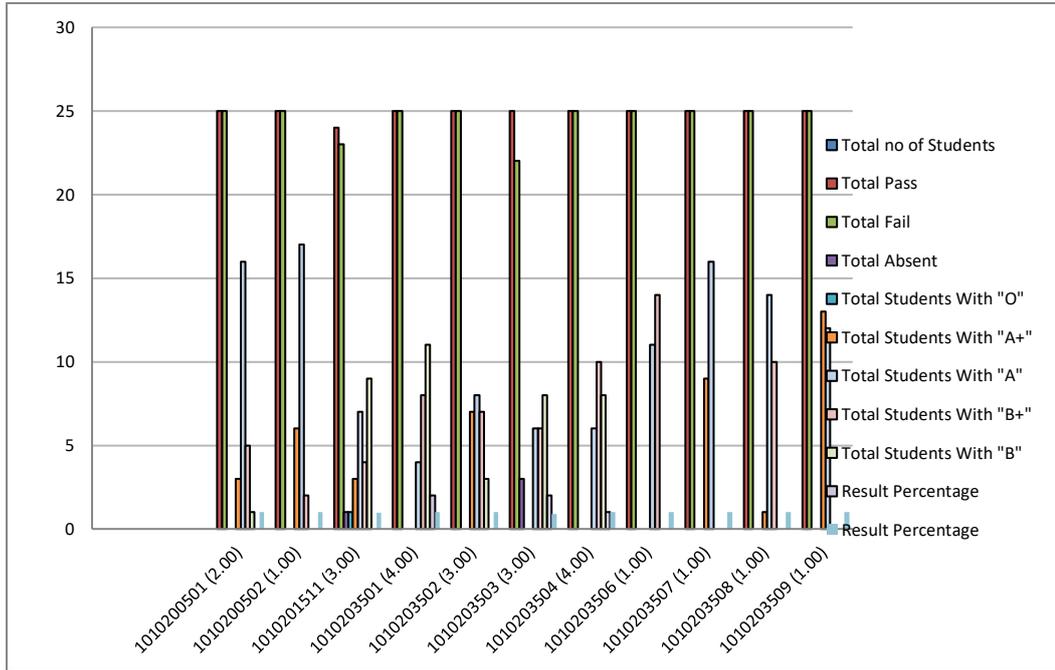
SEM-1



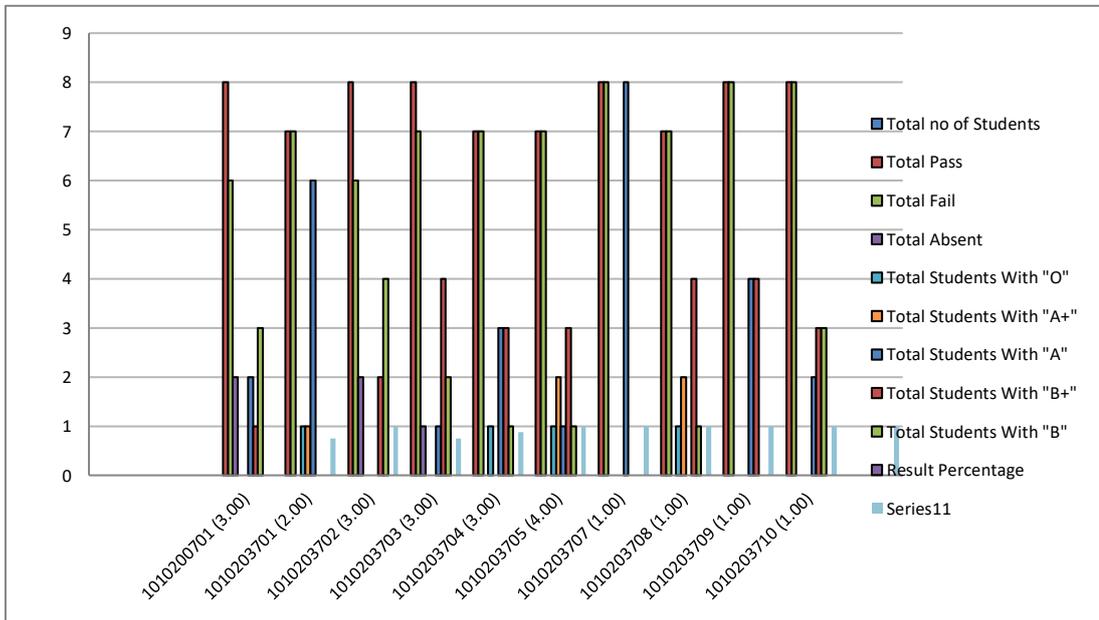
SEM-3



SEM-5



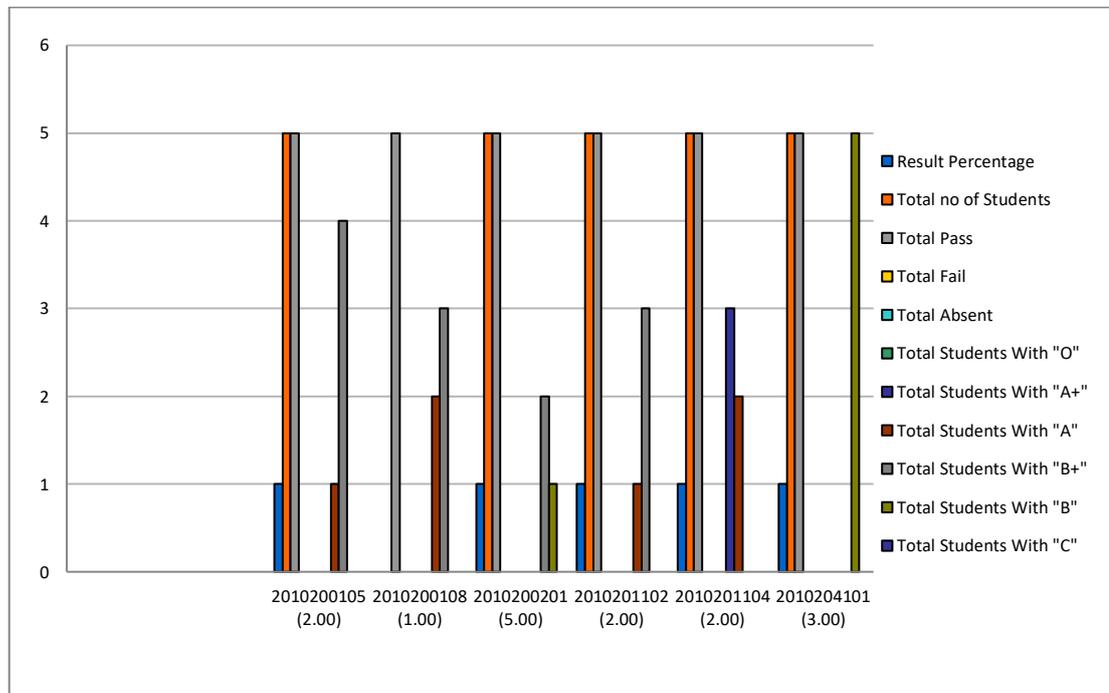
SEM-7



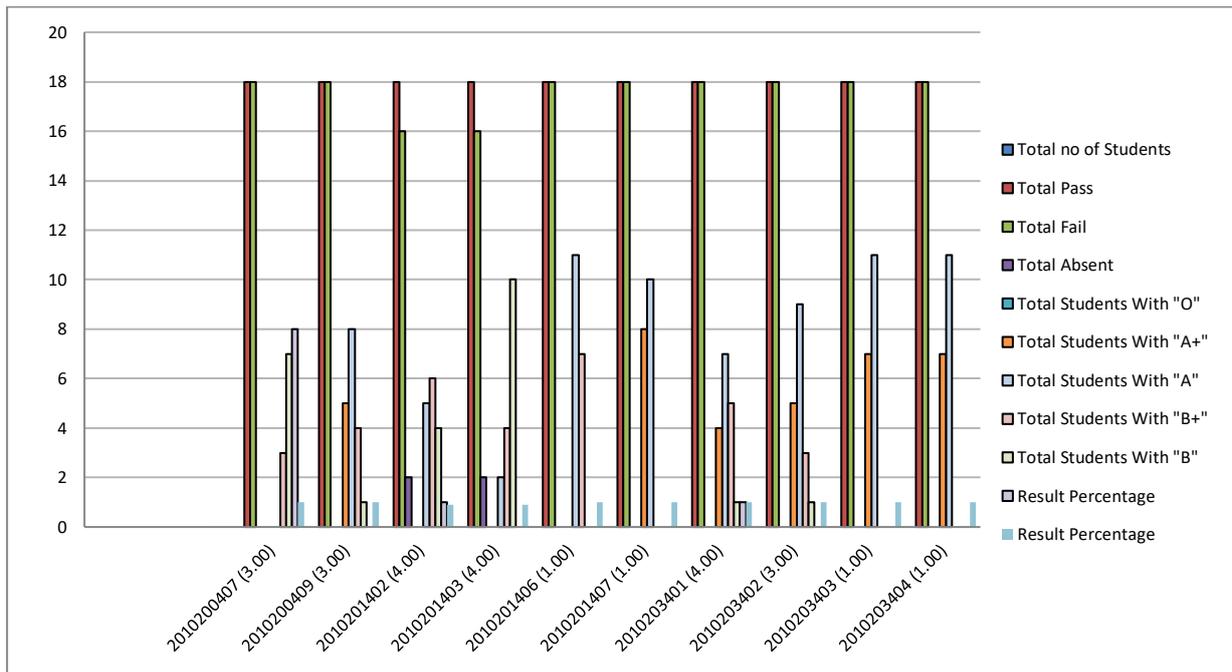
Summer-2024

SEM	TOTAL STUDENT	PASS	RESULT
2	5	2	40.00%
4	18	14	77.78%
6	25	24	96%
8	18	18	100%

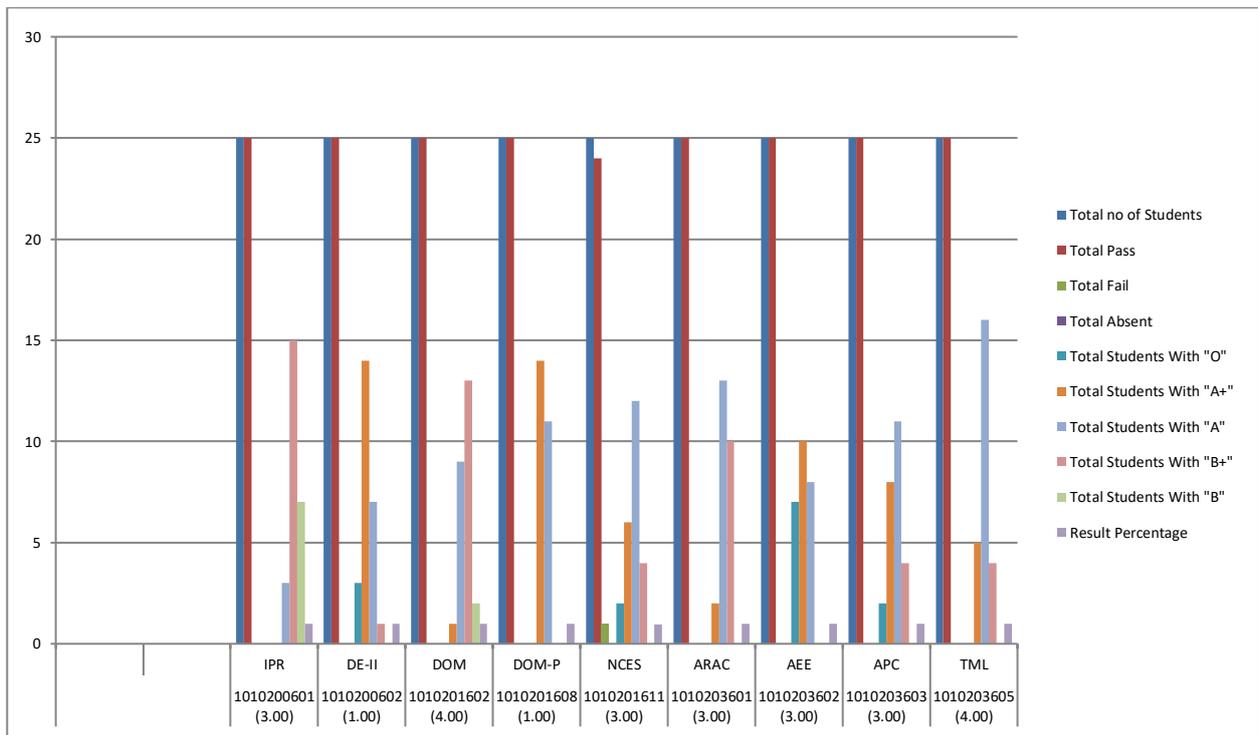
SEM-2



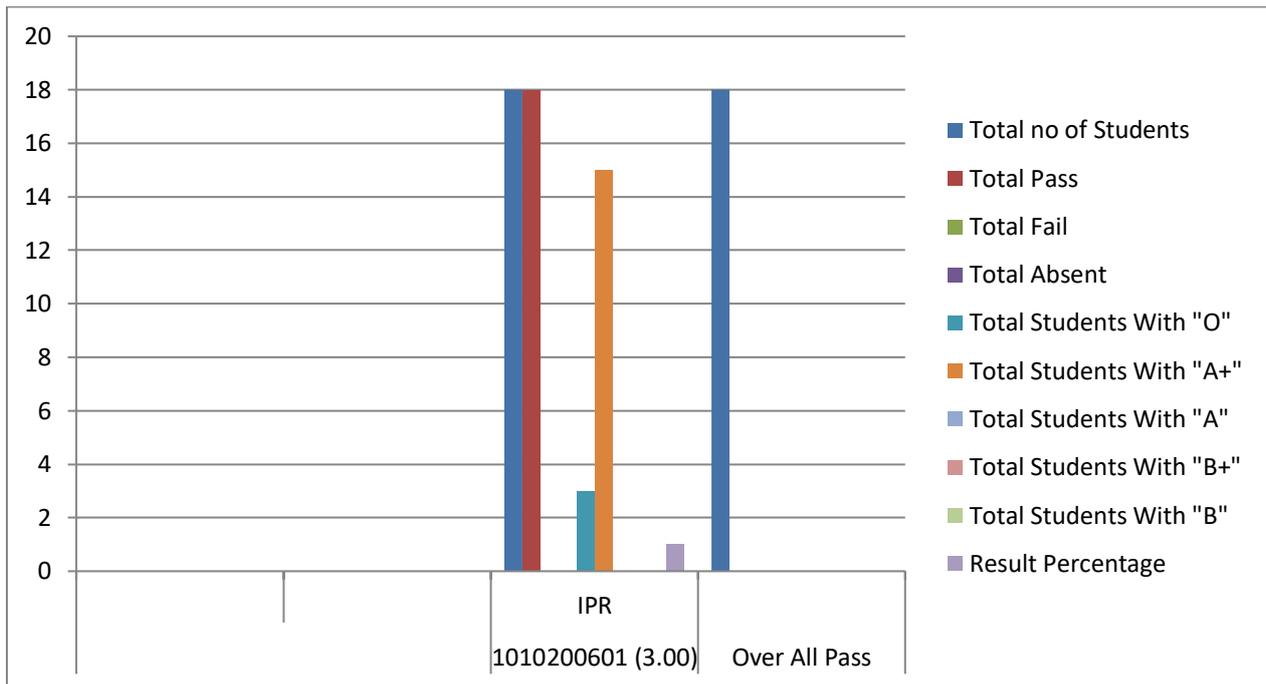
SEM-4



SEM-6



SEM-8

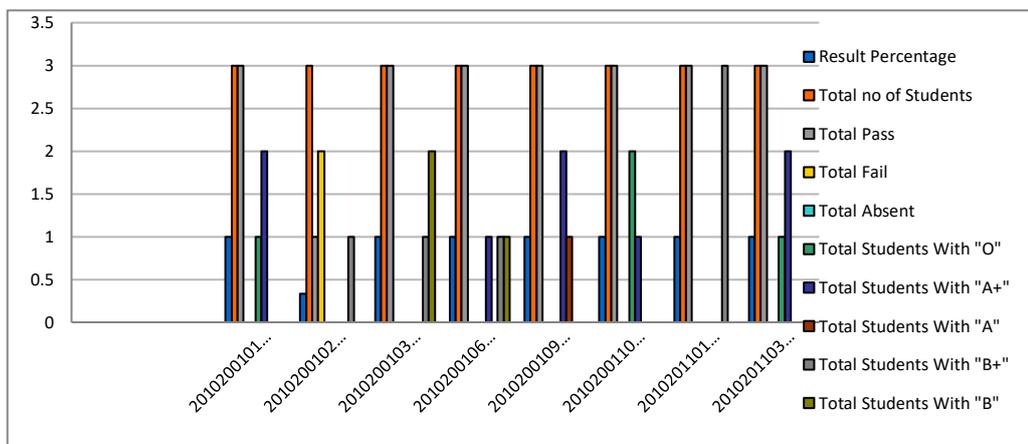


Results Analysis Winter 2023

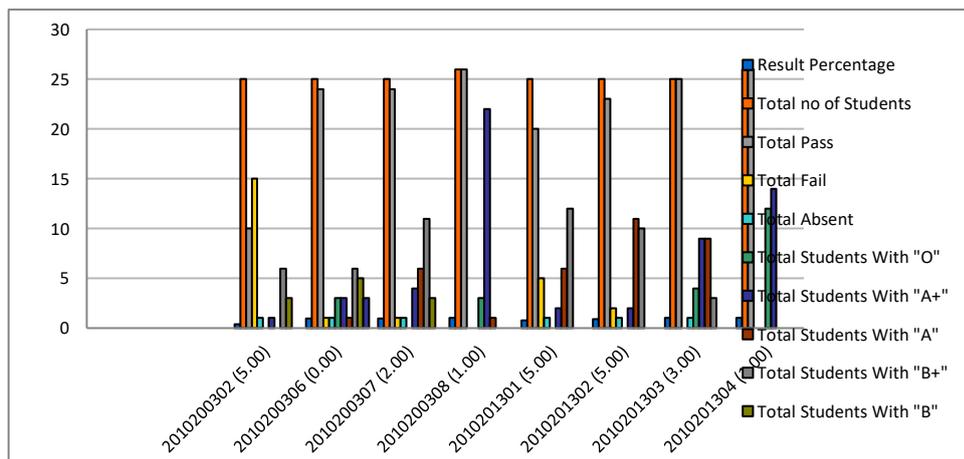
MECHENICAL DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
1	3	2	66.67%
3	26	10	38.46%
5	24	24	100%
7	18	18	100%

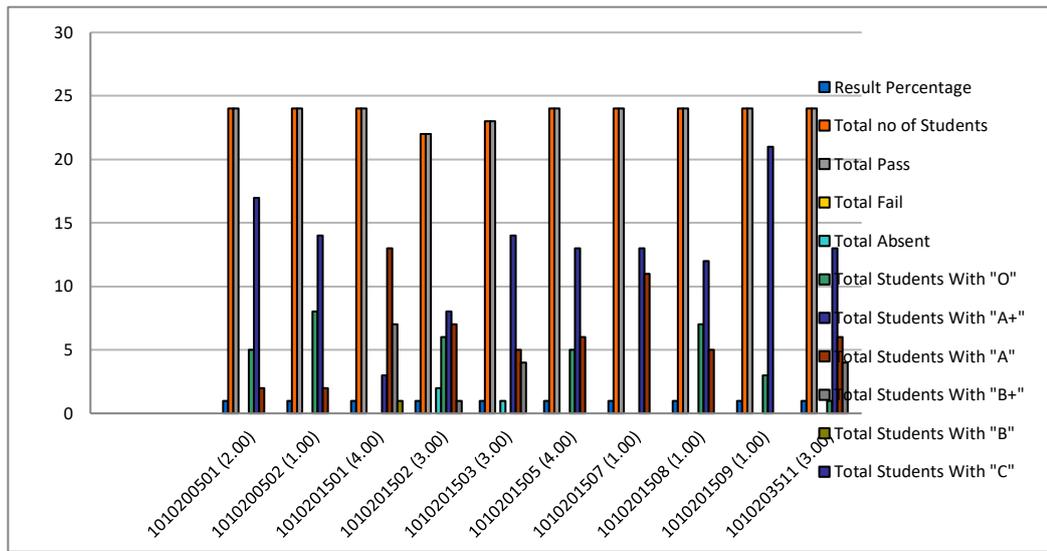
SEM-1



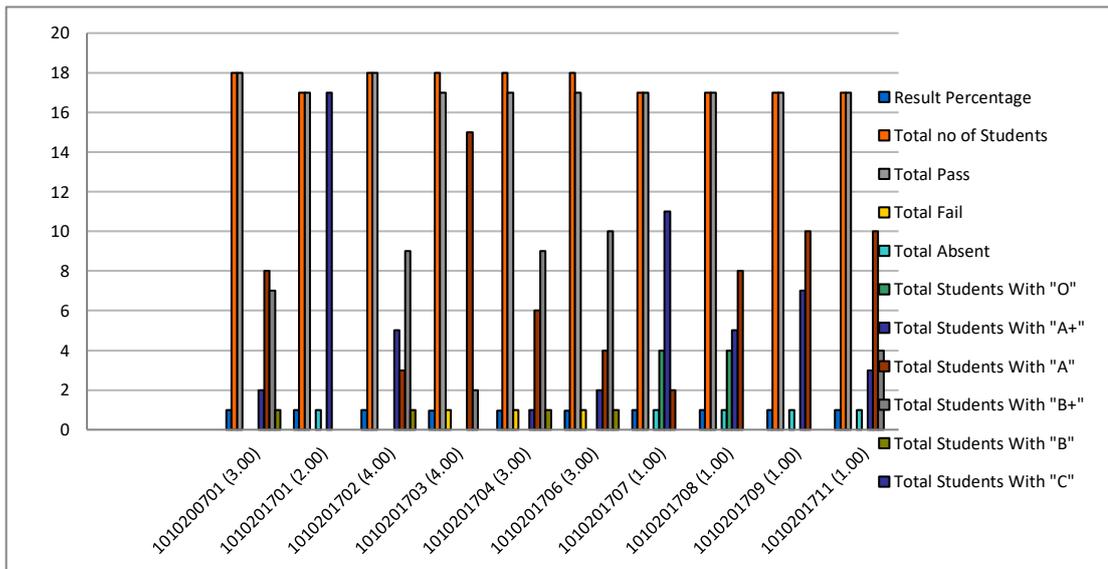
SEM-3



SEM-5



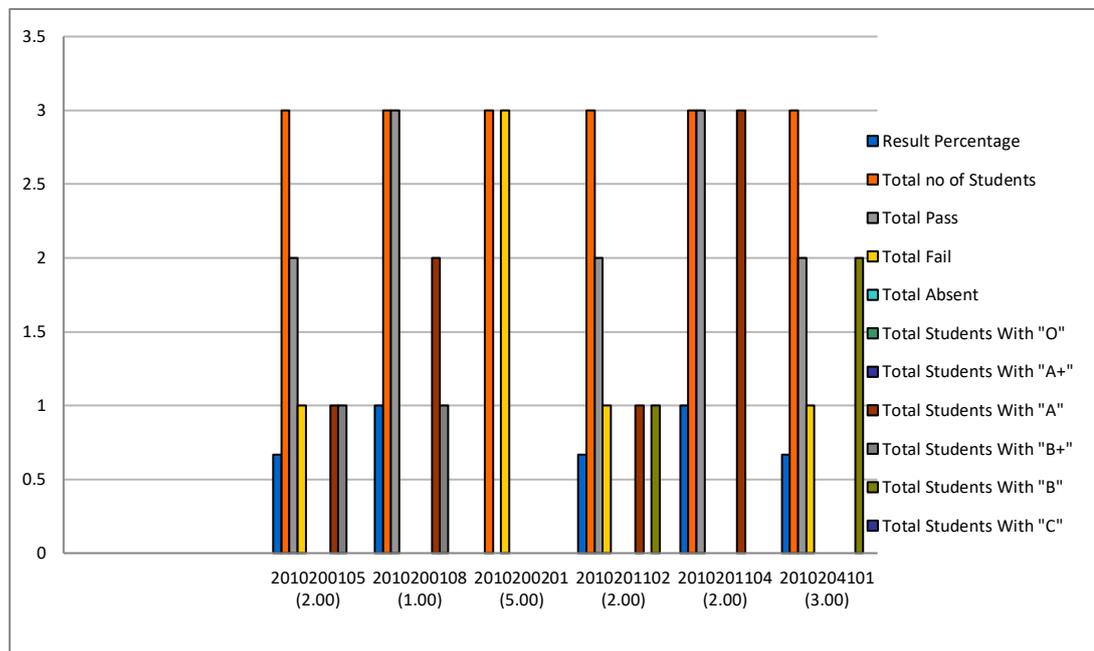
SEM-7



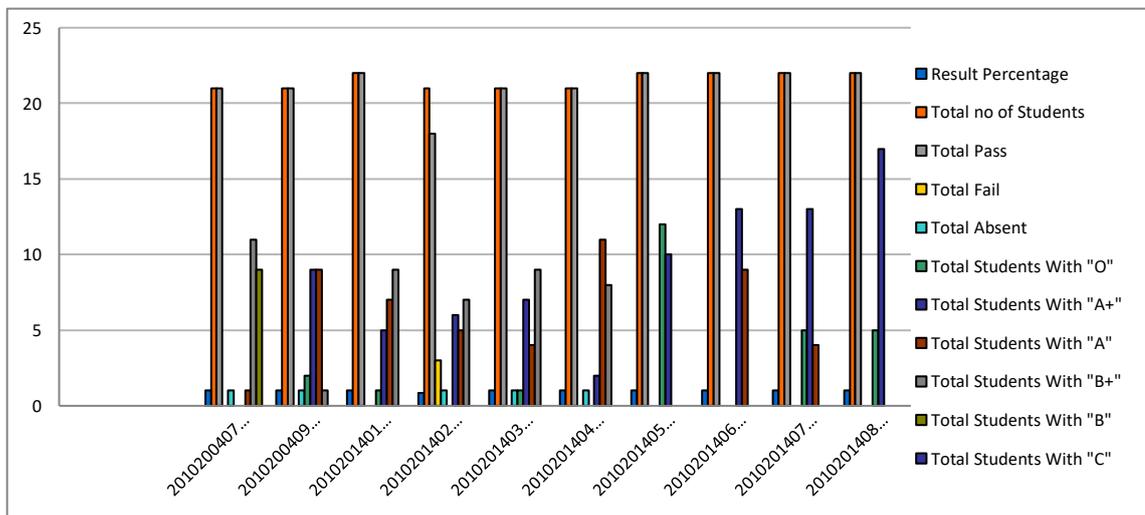
Summer-2024

SEM	TOTAL STUDENT	PASS	RESULT
2	3	0	00%
4	22	18	85.71%
6	25	25	100%
8	18	18	100%

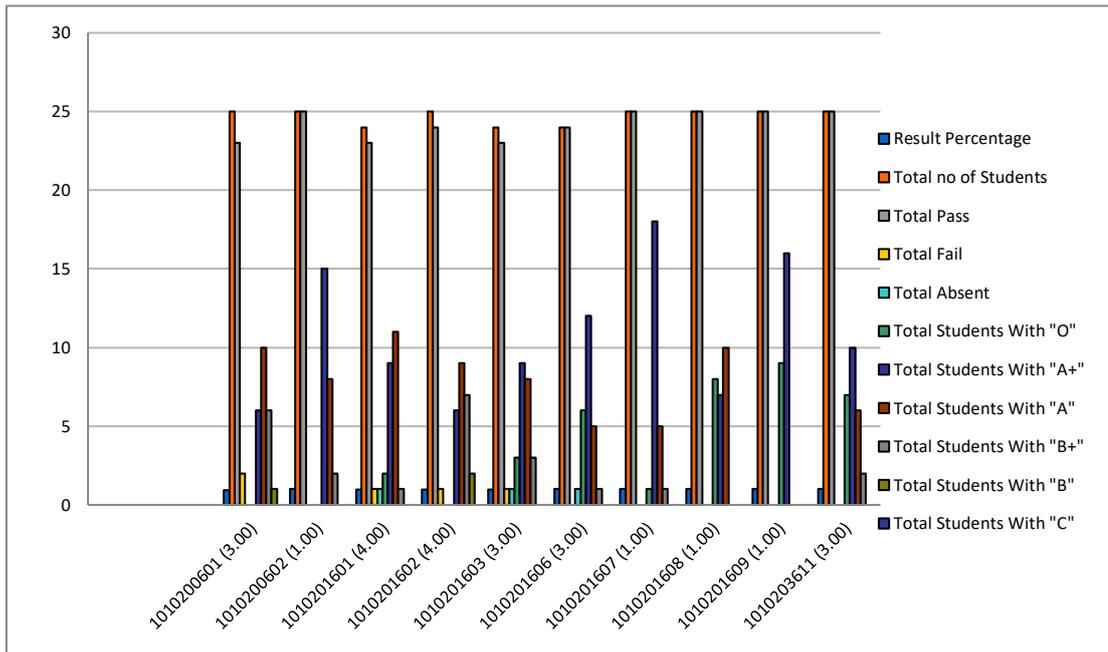
SEM-2



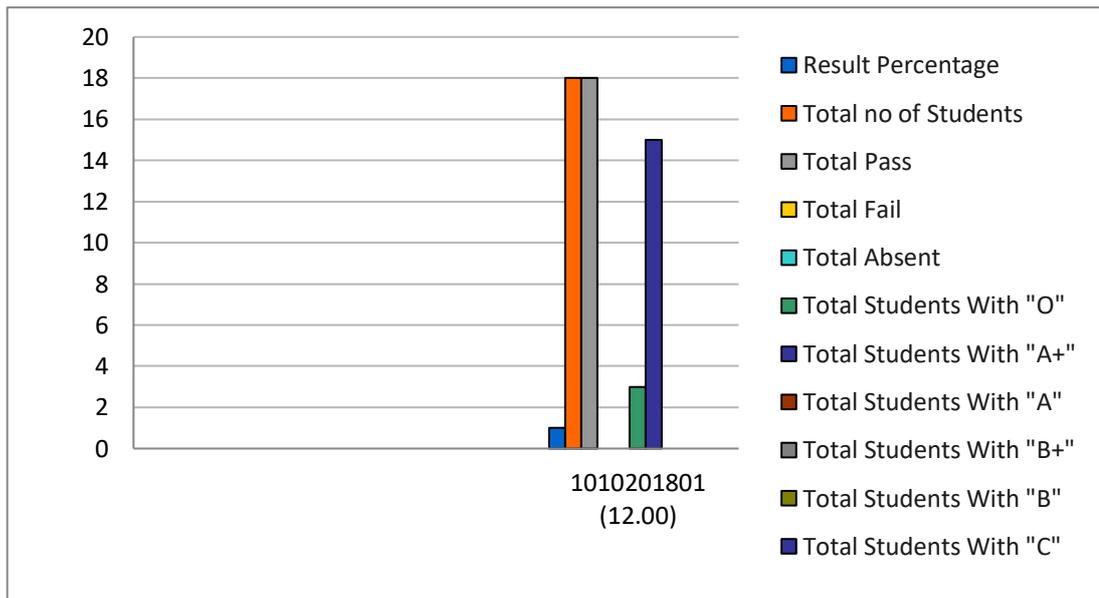
SEM-4



SEM-6



SEM-8

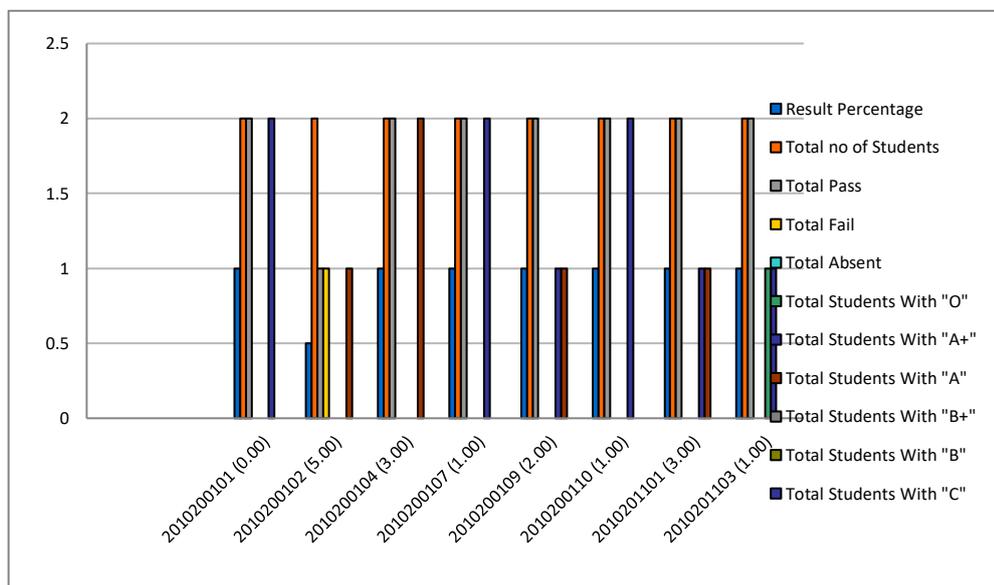


Results Analysis Winter 2023

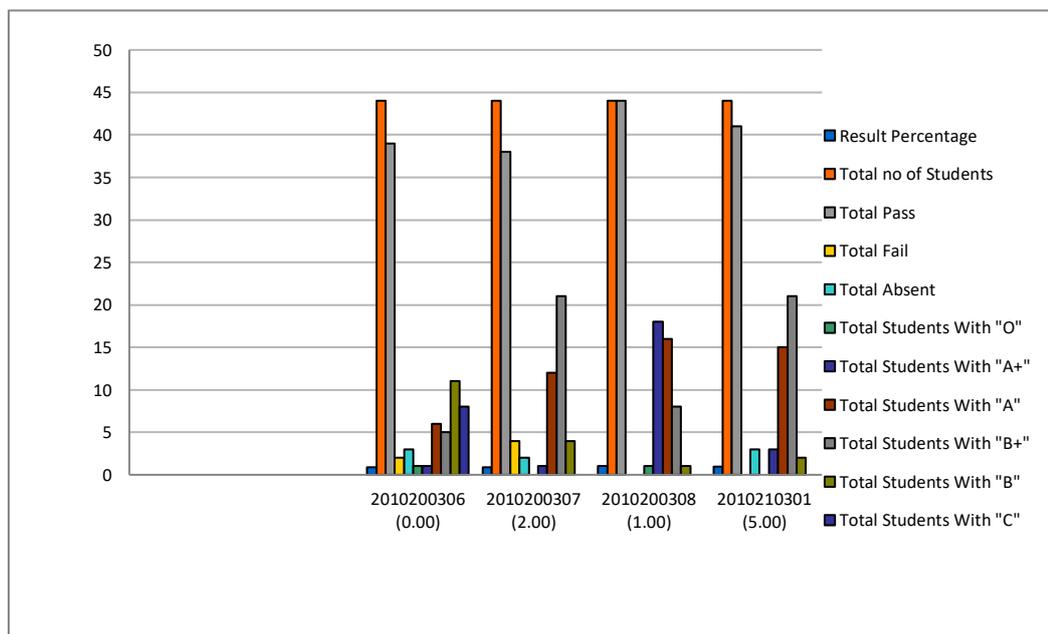
CHEMICAL DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
1	2	2	100%
3	44	32	72.73%
5	16	16	100%
7	12	12	100%

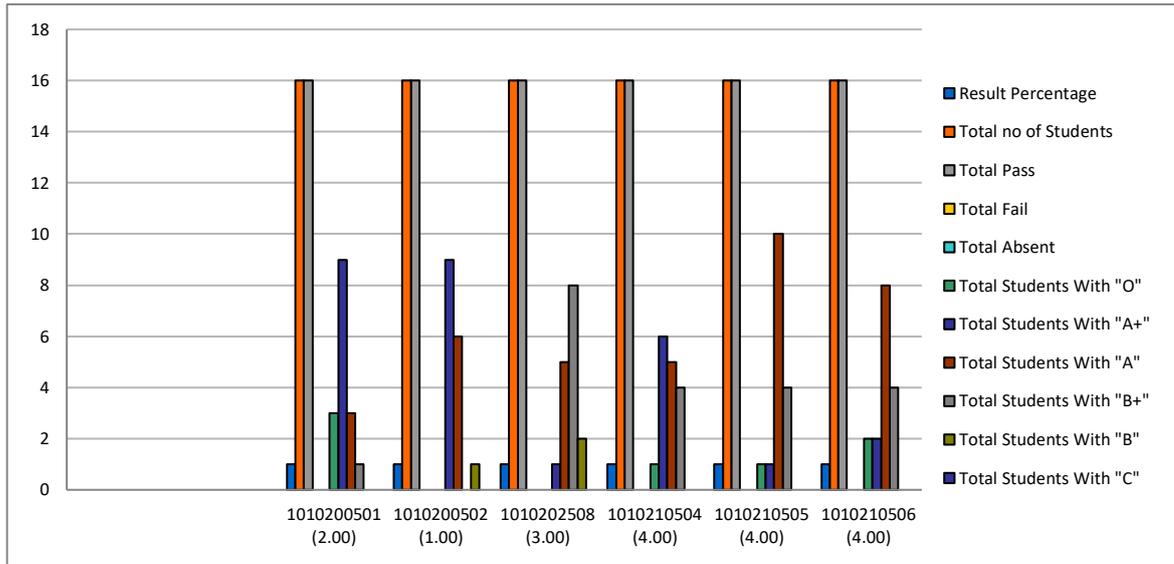
SEM-1



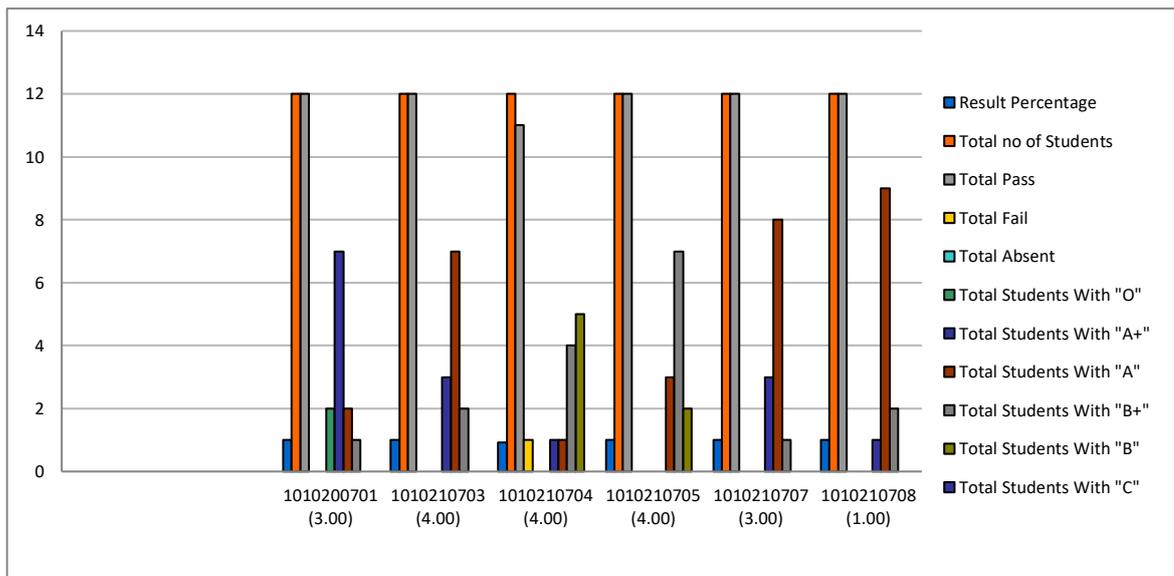
SEM-3



SEM-5



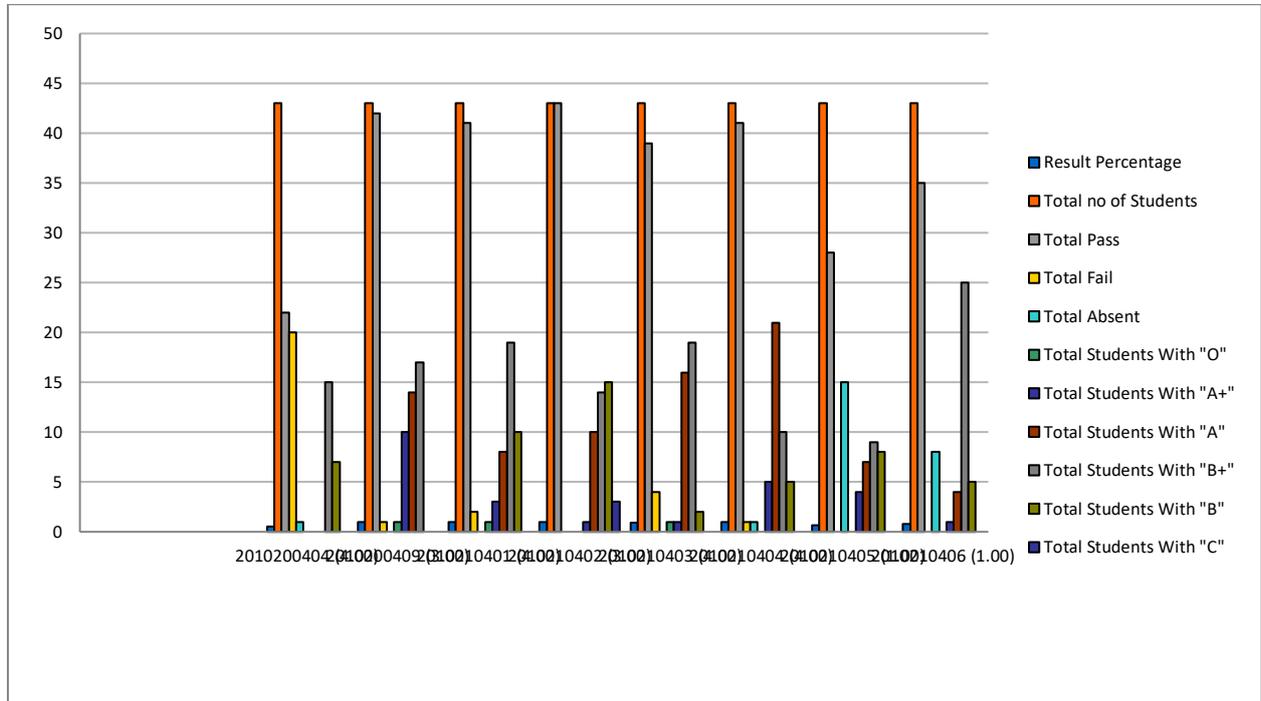
SEM-7



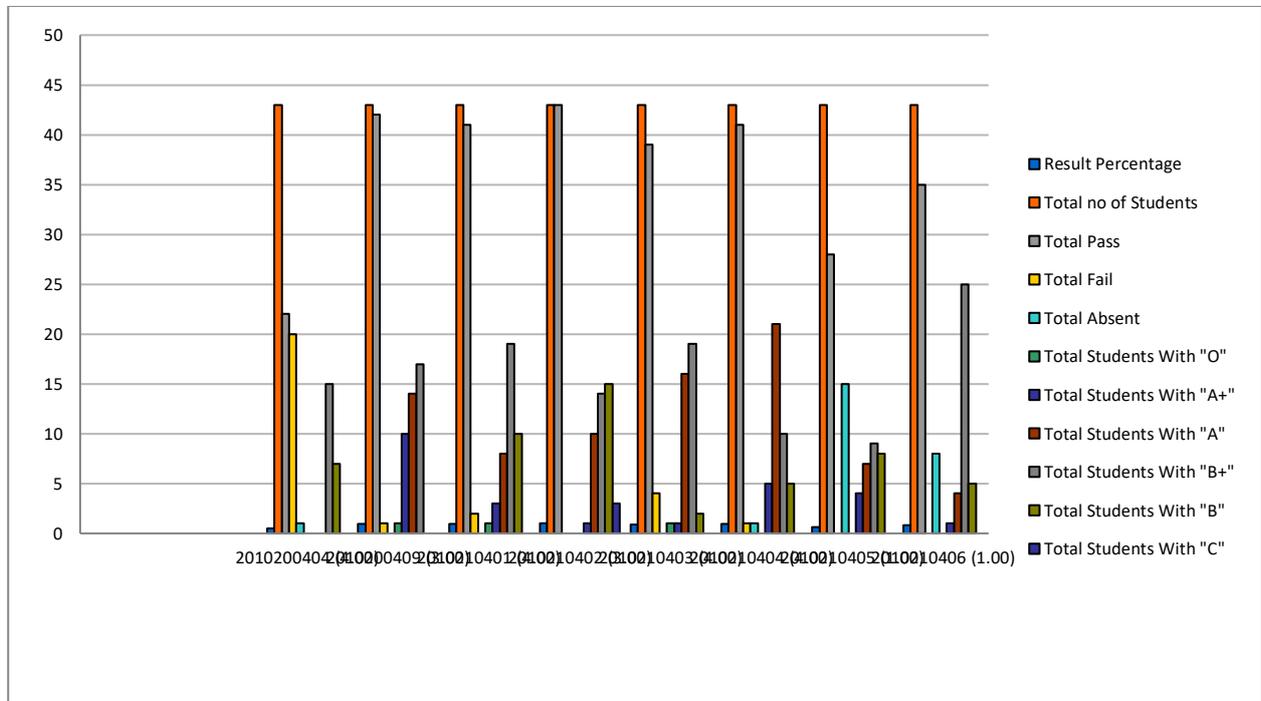
Summer 2024

SEM	TOTAL STUDENT	PASS	RESULT
2	2	1	50.00%
4	43	11	25.58%
6	16	16	100%
8	12	12	100%

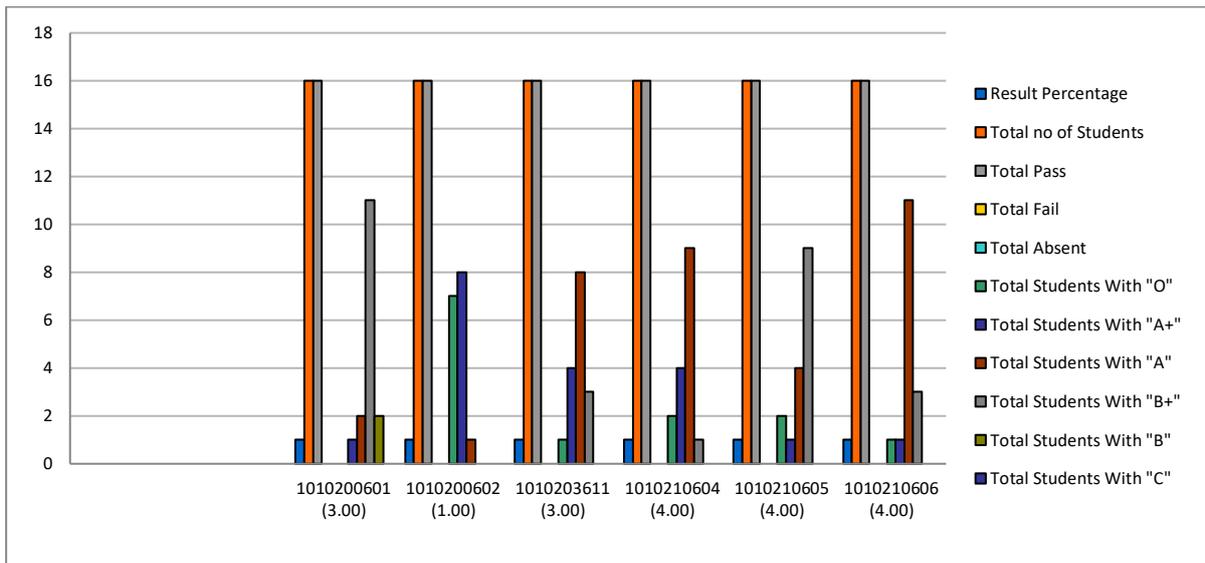
SEM 2



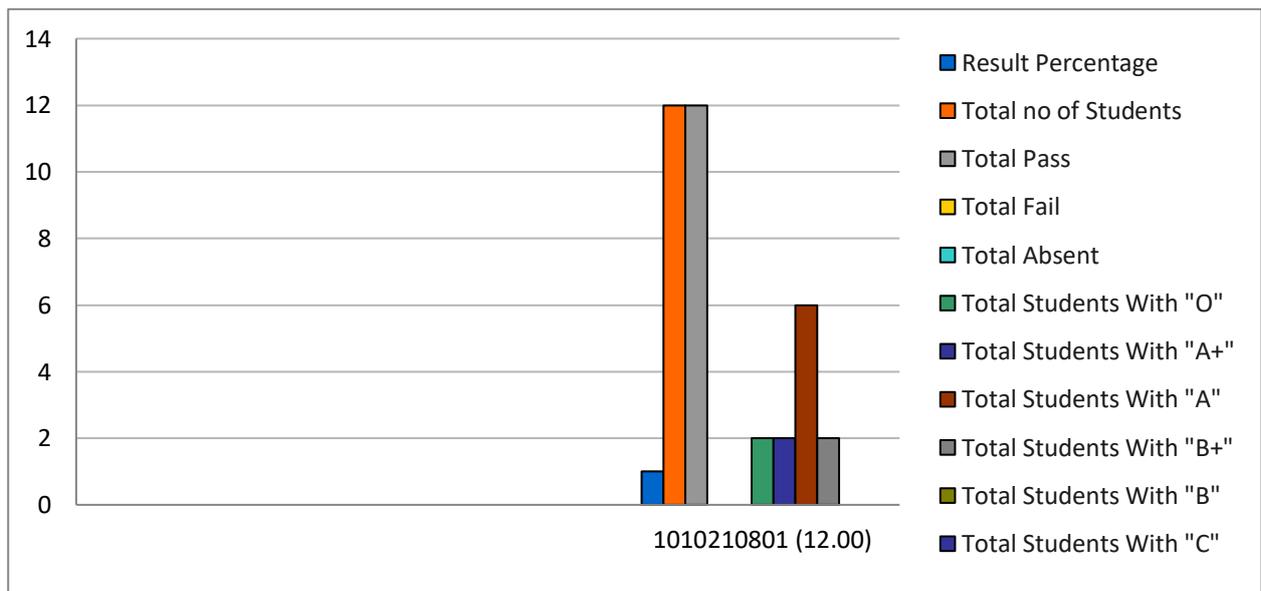
SEM-4



SEM-6



SEM-8

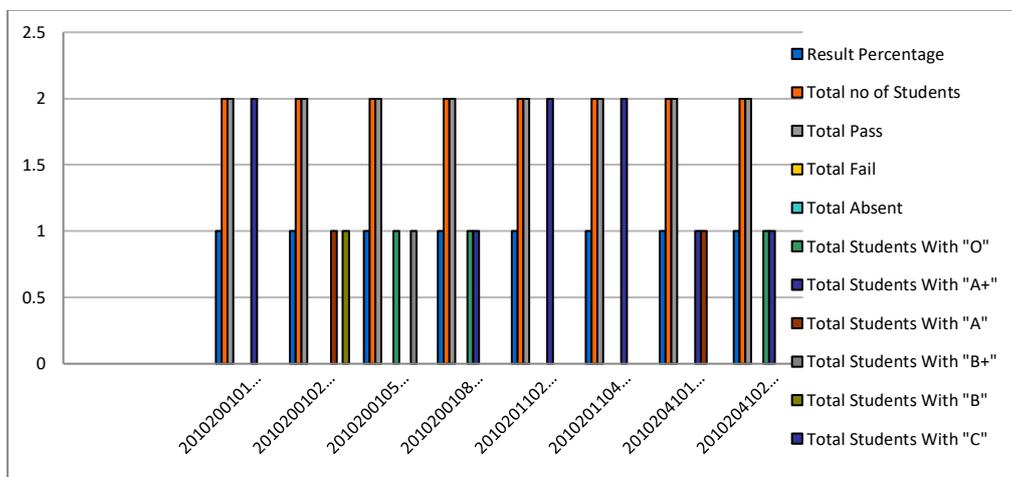


Results Analysis Winter 2023

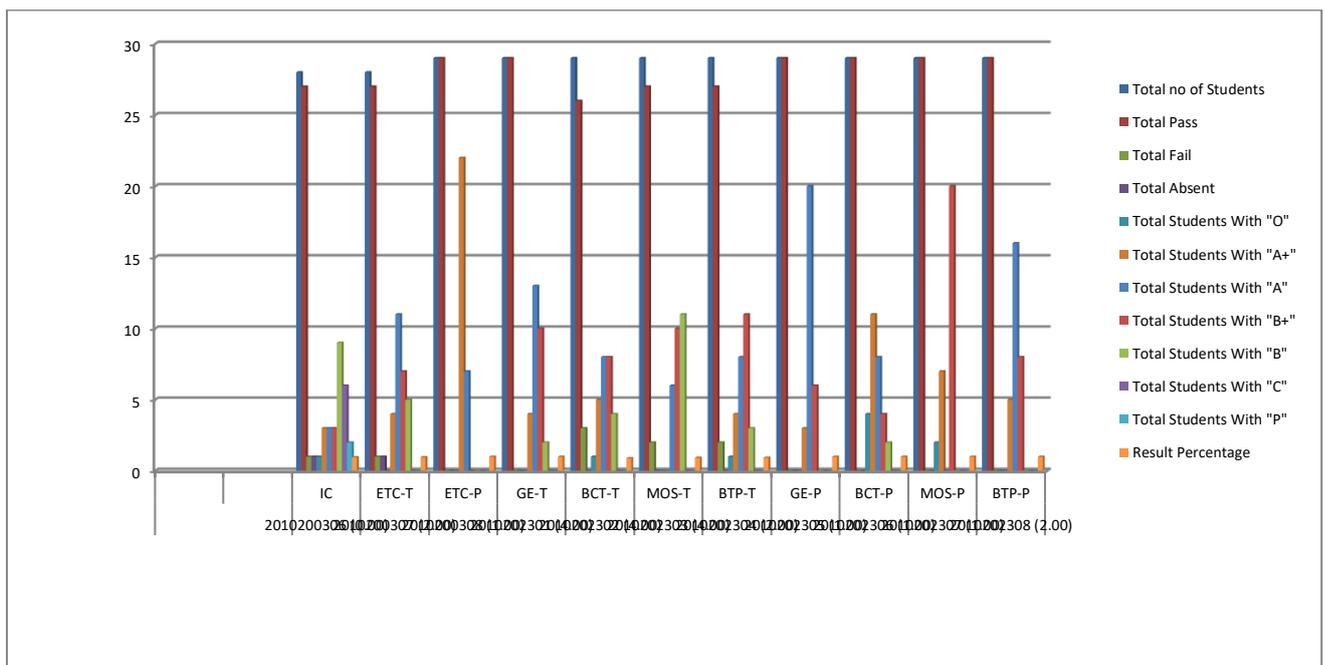
CIVIL DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
1	2	2	100%
3	29	23	82.14%
5	23	13	61.90%
7	26	6	23.08%

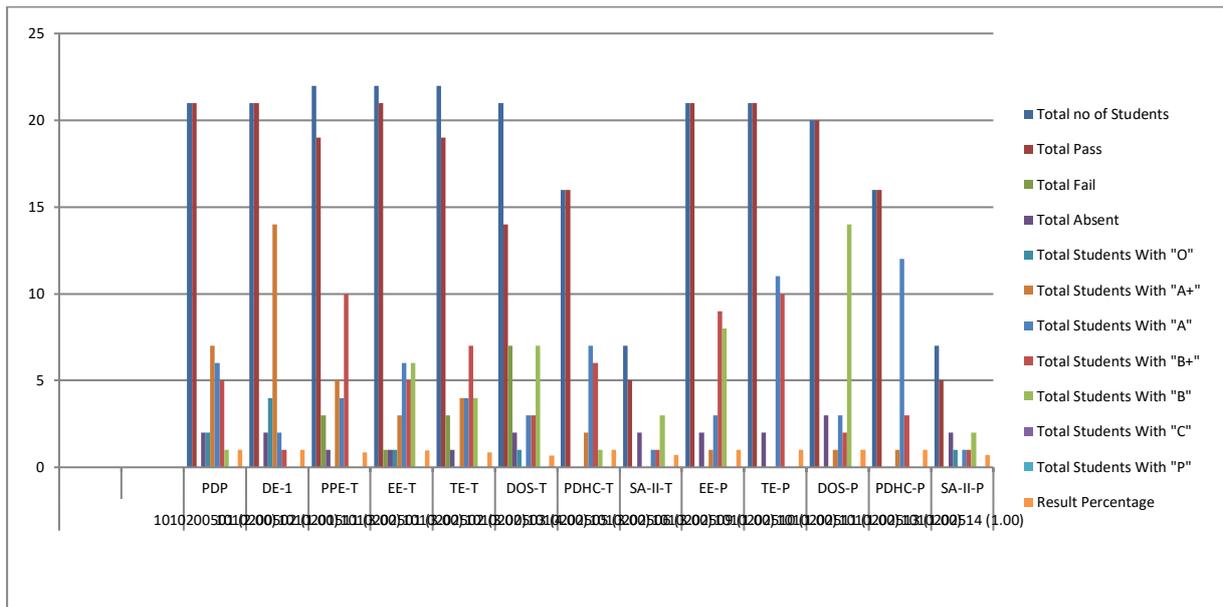
SEM-1



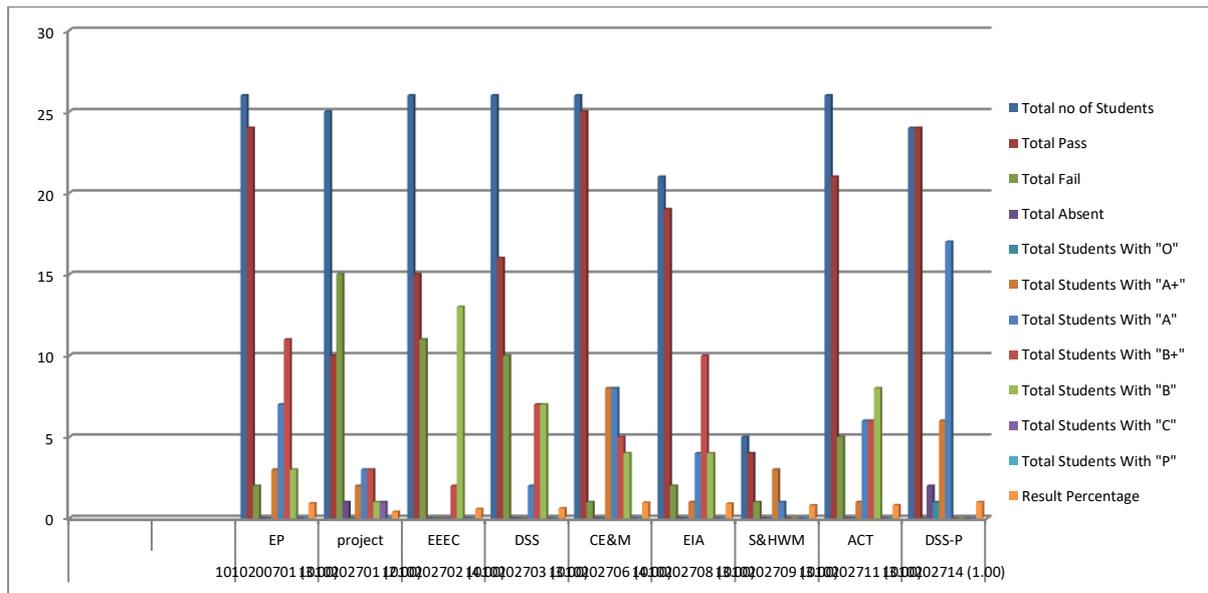
SEM-3



SEM-5



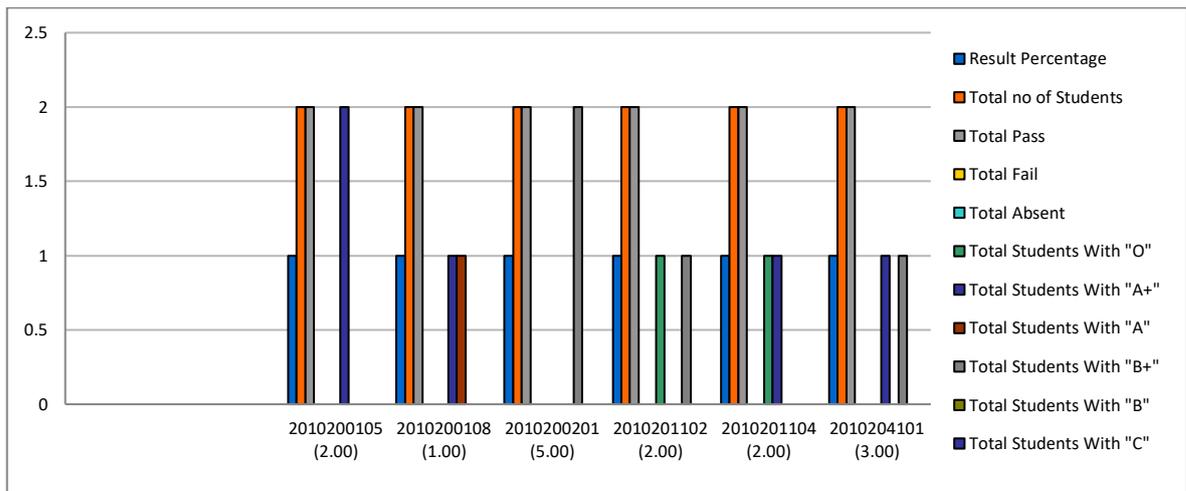
SEM-7



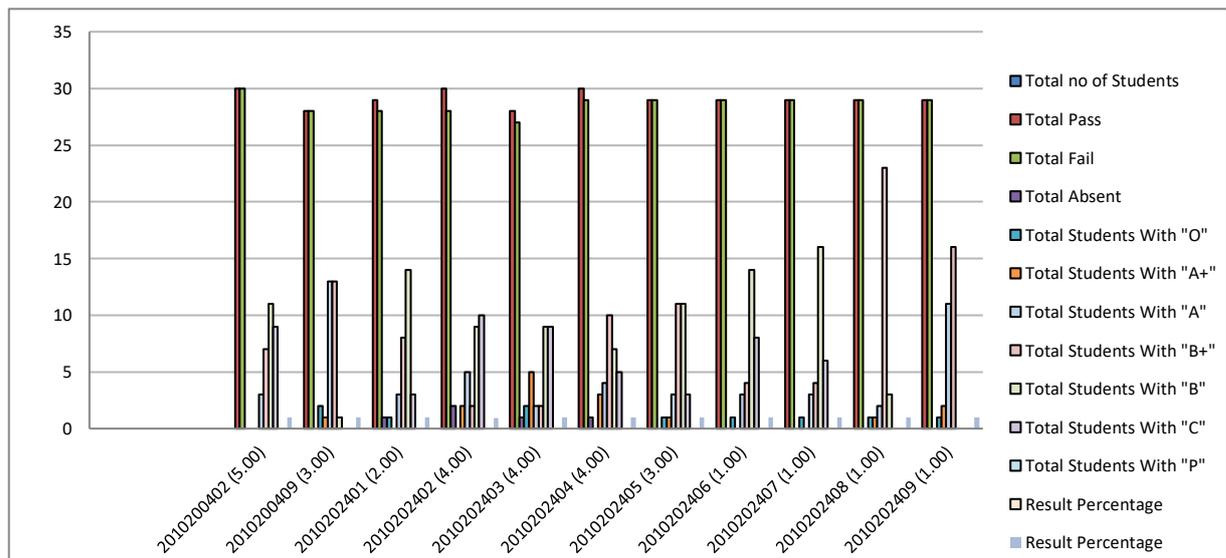
Summer 2024

SEM	TOTAL STUDENT	PASS	RESULT
2	2	2	100%
4	30	24	80.00%
6	22	13	61.90%
8	26	22	84.61%

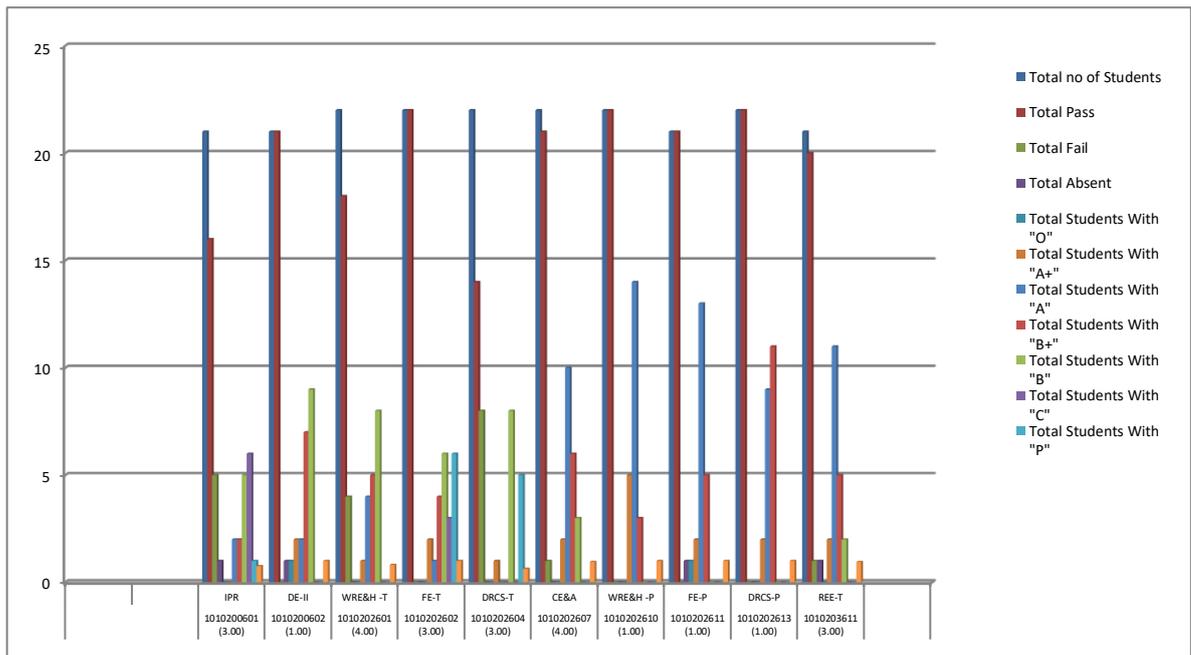
SEM-2



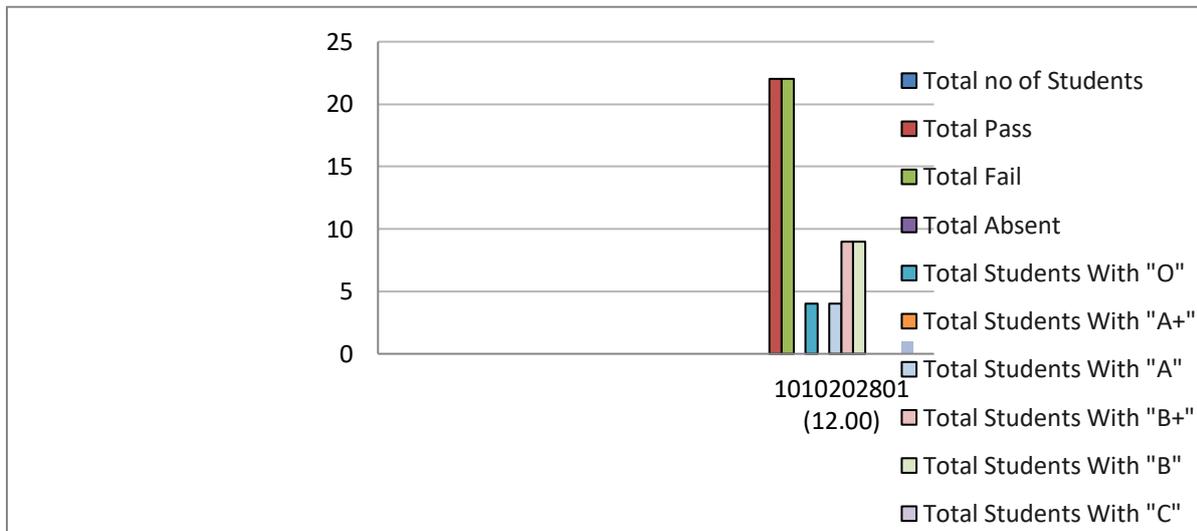
SEM-4



SEM-6



SEM-8

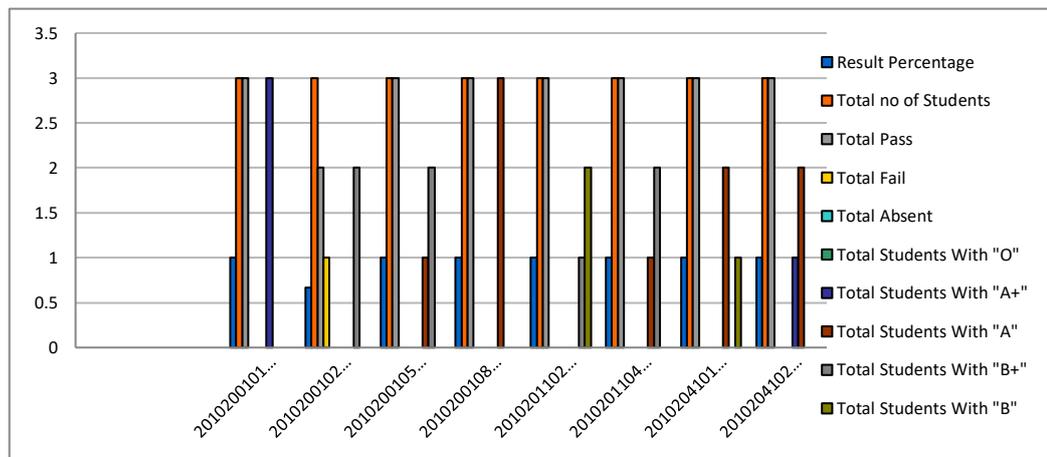


Results Analysis Winter 2023

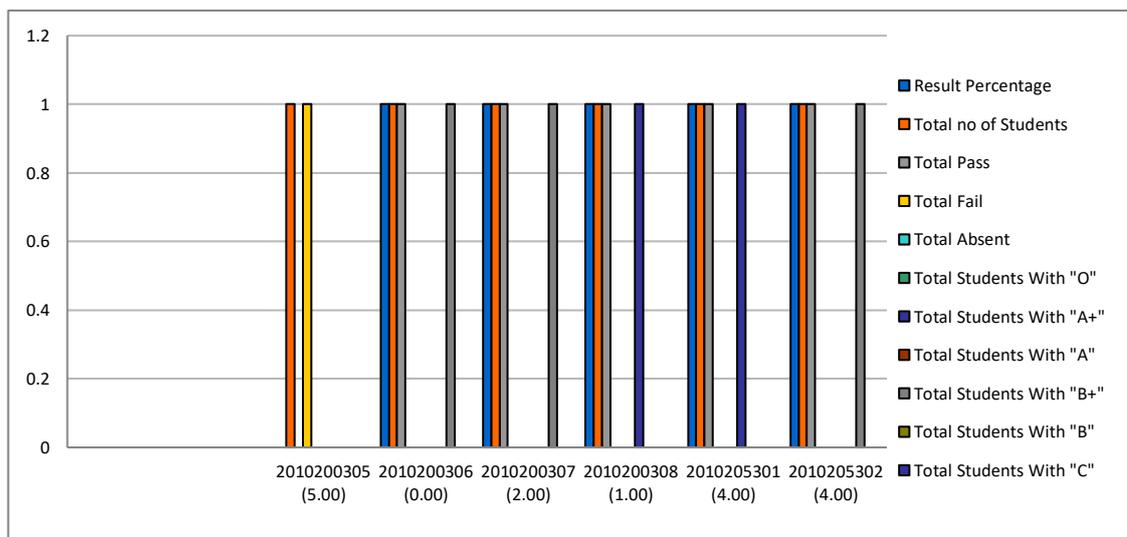
EC DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
1	3	2	66.67%
3	1	0	0%
5	6	4	66.67%

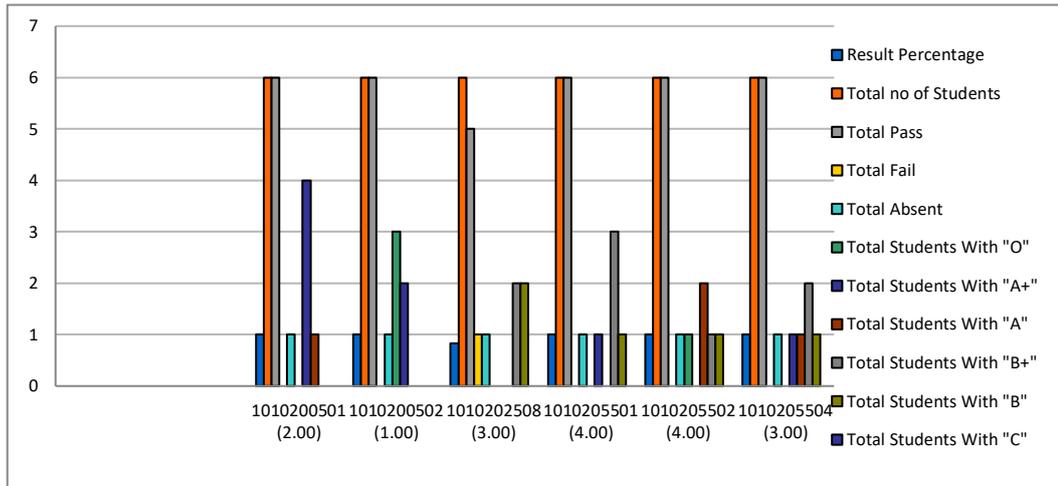
SEM-1



SEM-3



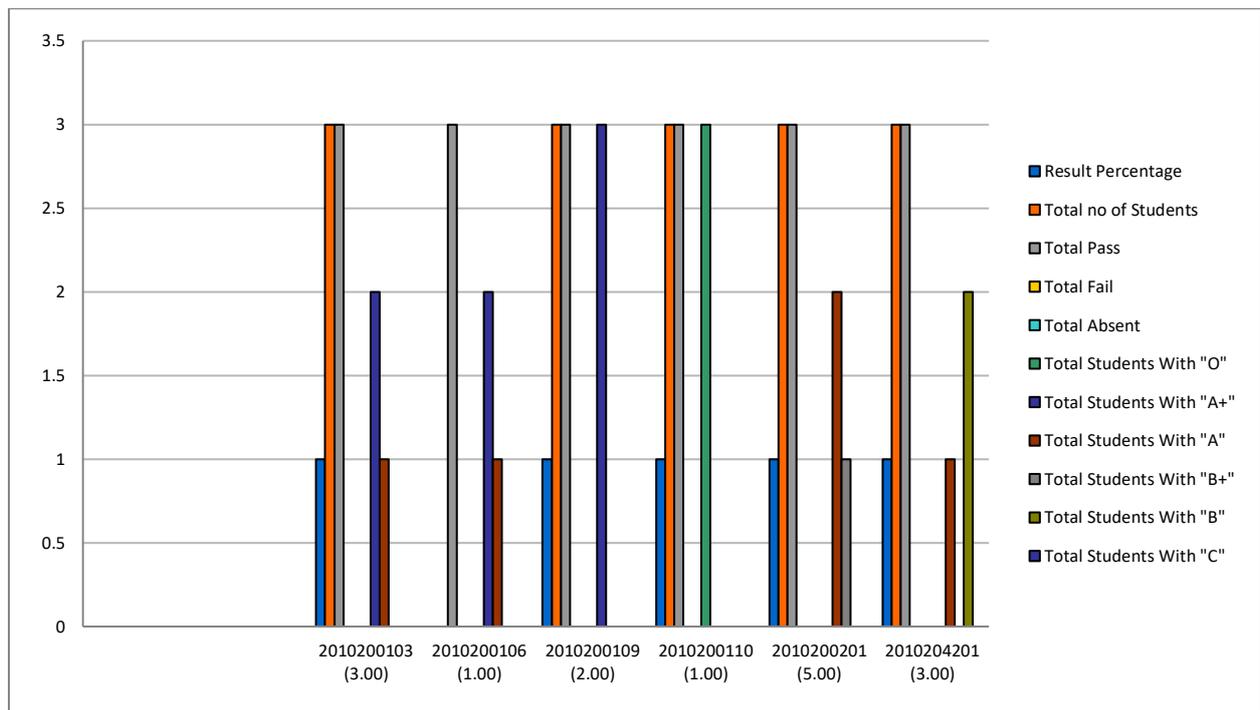
SEM-5



Summer-2024

SEM	TOTAL STUDENT	PASS	RESULT
2	3	3	100%
4	1	1	100%
6	5	5	100%

SEM 2

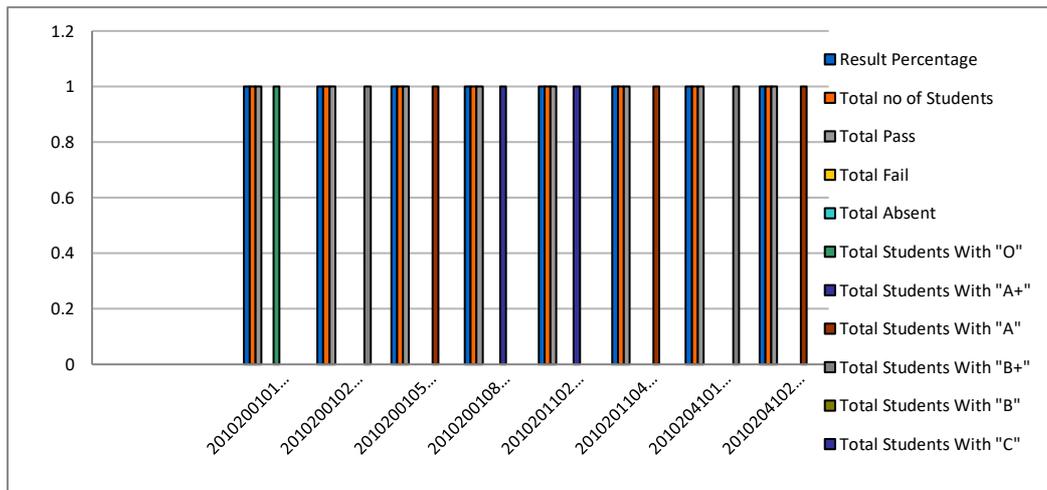


Results Analysis Winter 2023

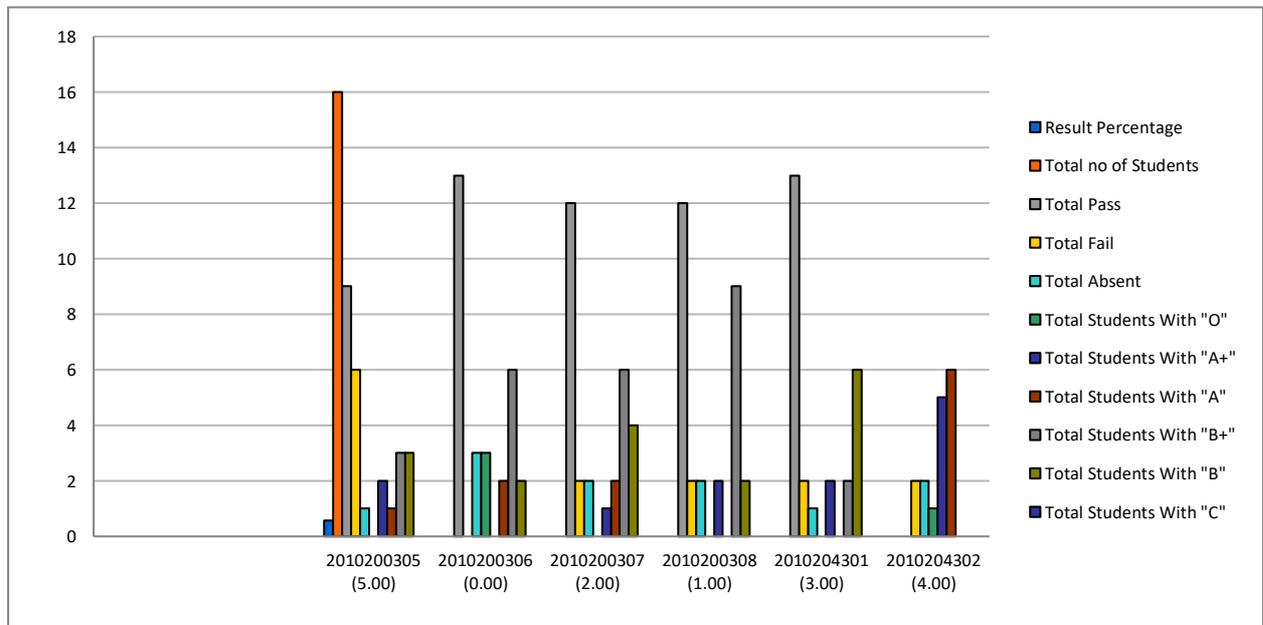
ELECTRICAL DEPARTMENT

SEM	TOTAL STUDENT	PASS	RESULT
1	1	1	100%
3	16	13	81.25%
5	12	11	91.6%
7	11	10	90.90%

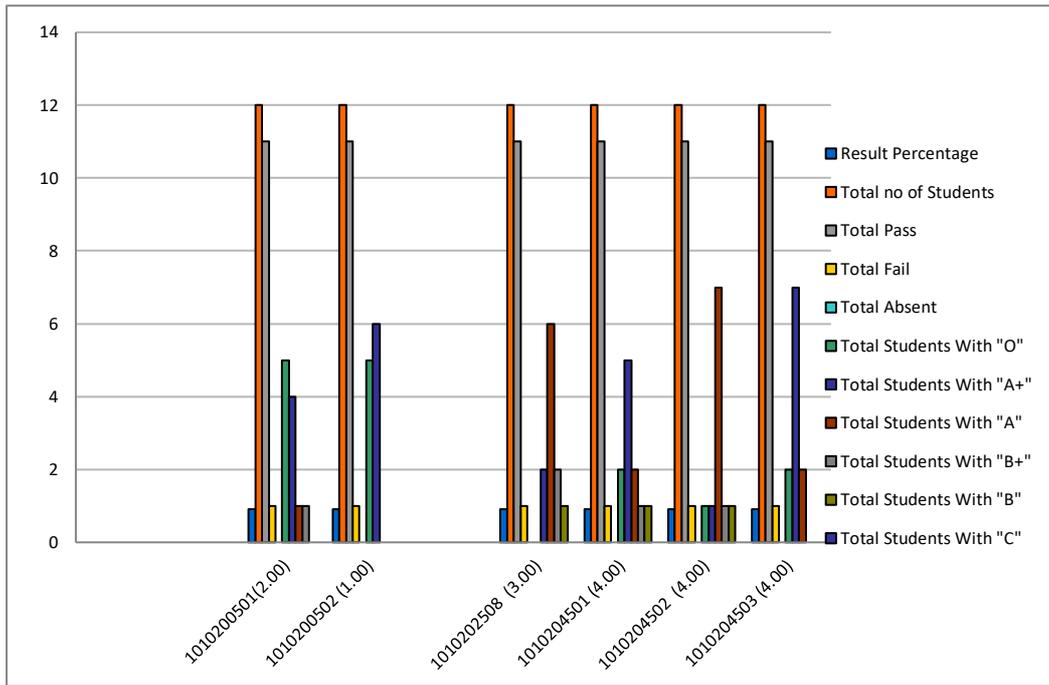
SEM-1



SEM-3



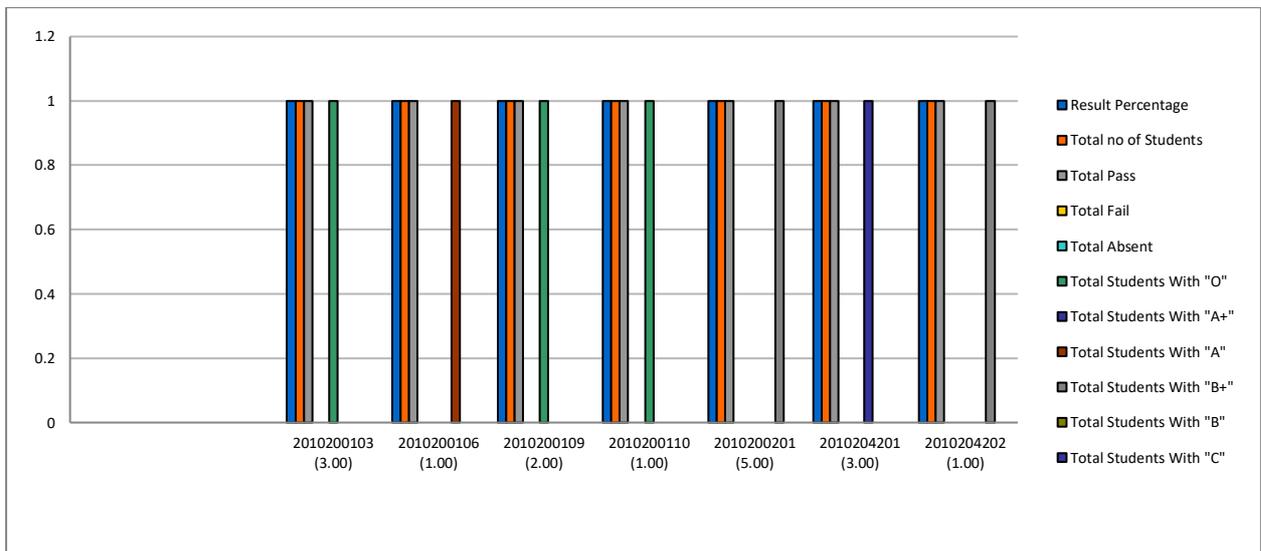
SEM-5



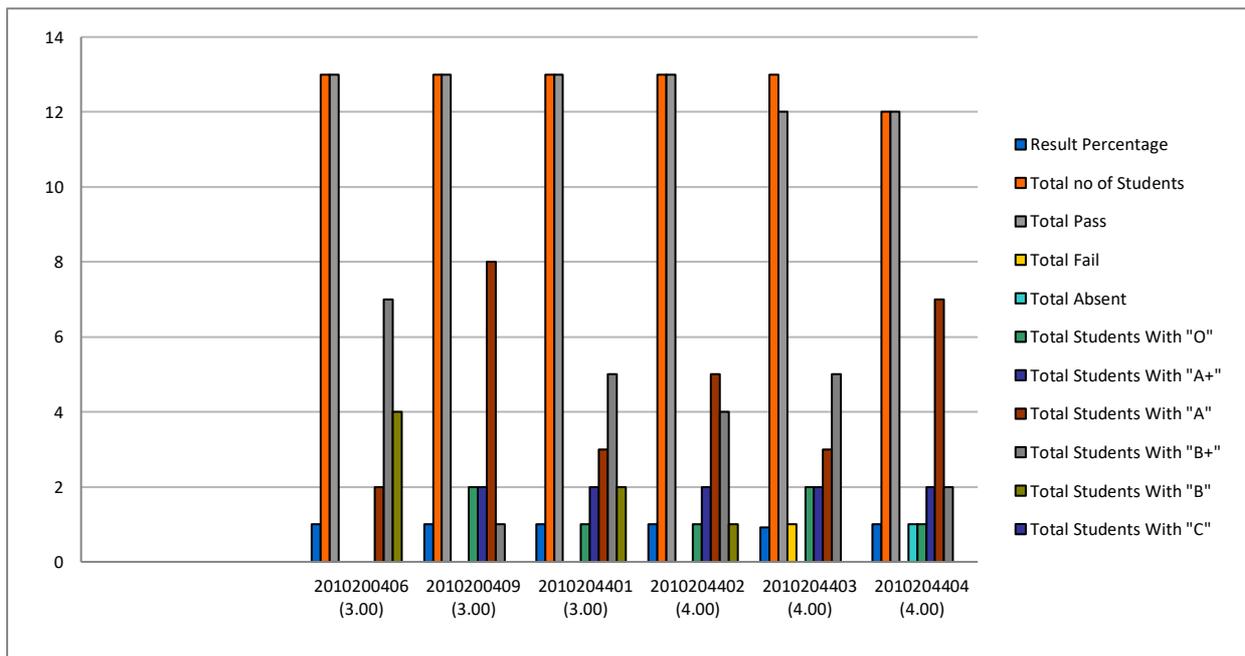
Summer-2024

SEM	TOTAL STUDENT	PASS	RESULT
2	1	1	100%
4	13	11	84.62%
6	11	11	100%
8	11	11	100%

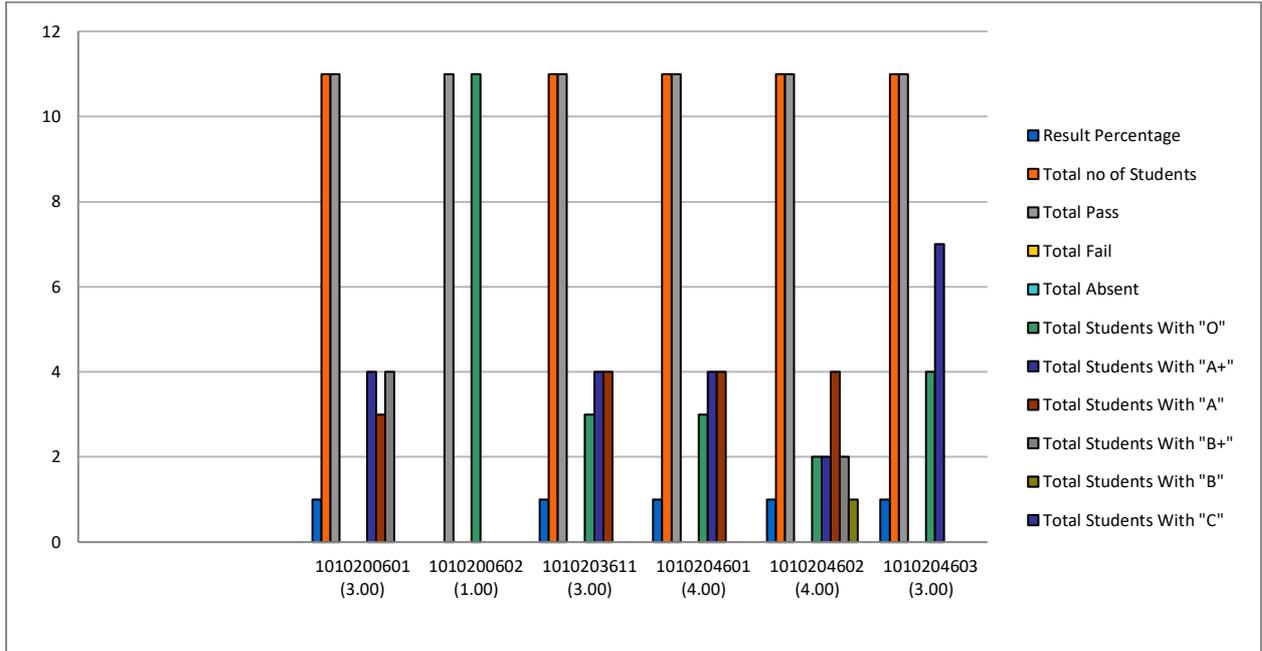
SEM-2



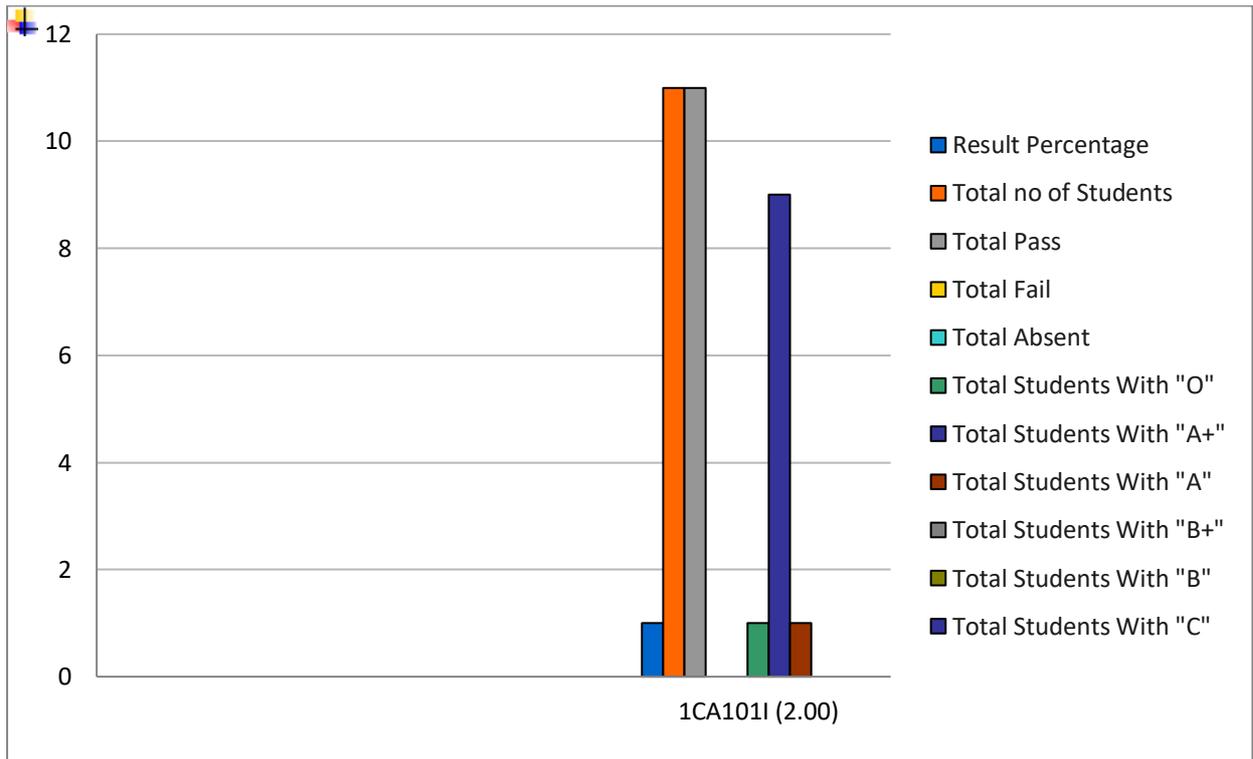
SEM-4



SEM-6



SEM-8



EVENTS AT GLANCE

Academic Year 2023-24

Sr. No.	Title of Events
1	Orientation Program by Department of Engineering
2	One Week for the Nation–Day1 Activity by Department of Engineering
3	Teachers’ Day Celebrated by Department of Engineering
4	National Engineer’s Day Celebrated by Department of Engineering
5	A Seminar on “CyberSecurity” by Department of Engineering
6	An Industrial Visit by Department of Engineering
7	A Seminar on “AWS Discovery Day with Cloud Career” by Department of Engineering
8	Training Programme–Edunet-SAP Foundation Course by Department of Engineering
9	Internal Hackathon by Department of Engineering
10	An Industrial Visit to Vikram Sarabhai Space Exhibition Centre by Department of Engineering
11	Students’ Achievement at Department of Engineering
12	Navratri Celebrated by Department of Engineering
13	Innovation Project by Electronics Department–Conversion of IC Engine to EV
14	Workshop on Drone Technology by Department of Engineering
15	Viksit Bharat@2047 Live Telecast
16	Expert Session on "How to be Successful in Interviews" by Department of Engineering
17	DroneApplicationBootcamp5.0: Empowering Precision Framing and Engineering Innovations
18	AAYAM 2024: Unveiling Creativity in Engineering–Poster Launch Event
19	AAYAM 2024: Unleashing Technical Excellence and Innovation in Engineering
20	Cyber security Workshop by Tata STRIVE: Equipping Students for a Secure Digital Future
21	Technical Training on Flutter Seminar for CSE Students
22	Advancing Drone Awareness Seminar, Engineering
23	Nurturing Innovation: Line Follower Hands-OnWorkshop, EC Department of Engineering
24	Embracing Innovation: Industrial Automation 4.0 Awareness Seminar, Engineering
25	Unlocking Success: PTE Master Class Empowers Engineering Students
26	Edunet Foundation Systems, Applications & Products in Data Processing Training, Engineering
27	International Women’s Day Celebrations 2024 by Faculty of Engineering &

	Technology.
28	Nukkad Natak Competition at Spandan-24: Raising Awareness through Street Theatre
29	Empowering Future Engineers: GATE CS Training and Preparati on Event by FOET
30	Exploring Power Generation: Industrial Visit to Ukai Thermal and HydroPower Stations by FOET
31	Mastering Soft Skills: A Seminar by Edunet Foundation at FOET
32	Mastering Data Science: Workshop by IIHT by FOET.
33	Industrial Analytical Testing MethodsWorkshop by FOET
34	Capture the Flag (The Hackers Meetup) at FOET
35	Cyber Security Orientation by FOET
36	Advance SAP Training Workshop by FOET
37	Mastering Flutter: Empowering Mobile App Development at FOET

Orientation Program by Department of Engineering

Orientation Program by Department of Engineering on August 3, 2023, BMU Engineering College organized an orientation program for new admitted first-year students in engineering. The event was made special with the presence of Mr. Nirav Alagiya, the Co-Founder and CEO of Optimum Brew Technology, who was the expert for the program. The aim of this orientation was to introduce a large group of new students to the different aspects of their engineering journey at BMU. Mr. Nirav Alagiya, using his experience in the industry, shared valuable insights in a way that encouraged curiosity and innovation. He helped the students understand the world of technology better.





One week for nation Day 1 activity by Department of Engineering

One Week for the Nation was organized by BMU from August 17 to August 23. Various activities took place during this period. On the first day, August 17, a traffic awareness program was conducted in collaboration with Polytechnic College, Engineering College, and B. ED College, with support from Surat Textile organization FOSTTA. Students and faculty members of BMU actively participated in creating awareness about traffic rules on Ring Road, Surat. The participants utilized banners and slogans to convey important messages to the public. The event was deemed successful, providing an opportunity for students to learn and enjoy.





Teachers' Day Celebrated by Department of Engineering

On September 4, 2023, the Faculty of Engineering at BMU had a lively celebration for Teachers' Day. The students took charge of organizing the event to express their gratitude to their teachers. As a token of appreciation, they presented flowers to honour the teachers and enjoyed an inspiring speech from Dr. Vineet Goel, the director.

To make things more exciting, students and teachers played games like Antakshari, and Damasaraj. It was a day full of laughter and good times, bringing everyone closer together. The event was a big success, showing appreciation for the teachers and making lasting memories for everyone at engineering college.





National Engineer's Day Celebrated by Department of Engineering

On September 15, 2023, the Civil Engineering Department of FOET organized an event for all staff and students. The function started with a silent prayer & welcomed the gathering. Dr. Vineet Goel, Director of FOE delivered the presidential address. He also explained about the importance of Engineer's day. After that we organised quiz competition and prize distribution among the students. Faculty members and students from all the schools attended the event with all their hearts.



A Seminar “Cyber Security” by Department of Engineering

On September 22, 2023, BMU College of Engineering's Computer Engineering Department organized a seminar titled “Cyber security”. The expert speaker, Mr. Pankaj Rathod Manager and YDM Specialist from Tata Strive, enlightened around 100 students from MSCET, BMCET, and BAIT, enhancing their knowledge in cyber security. The event was a great success, inspiring students to explore career opportunities in this field.



An Industrial Visit by Department of Engineering

The Chemical Engineering Department organized a successful industrial visit for students on September 22, featuring prominent companies such as Shreenath Chemical Industries, Narmada Clean Tech in Ankleshwar, and Shree Balaji Enterprise in Panoli. During the visit, industry experts shared valuable knowledge, offering students insights into cutting-edge technologies and processes. Shreenath Chemical Industries provided a showcase of expertise; Narmada Clean Tech emphasized sustainable practices and waste management, while Shree Balaji Enterprise highlighted their specialized areas and engaged students in discussions on industry trends. This immersive experience allowed students to bridge the gap between classroom learning and practical applications, enhancing their understanding of the dynamic field of chemical engineering.





A Seminar “AWS Discovery Day with Cloud Career”

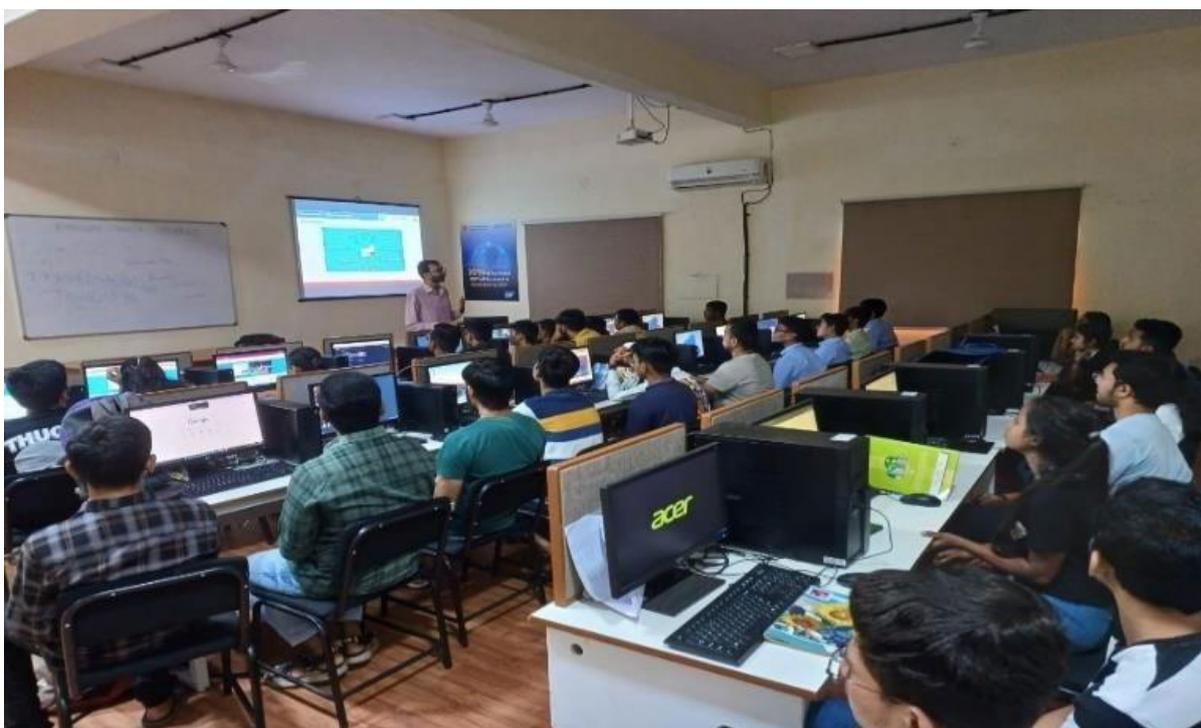
In collaboration with NSEIT DEX, Ahmedabad, the Faculty of Engineering Computer & IT Department hosted an enlightening seminar on 24th September. This event provided a unique opportunity for Computer & IT students to delve into the world of cloud computing, guided by the expertise of two distinguished speakers, Dr. Nisarg Pathak, (Product manager –NSEIT) and Mr. Archishman Shashtry. The session was a resounding success, equipping the future leaders of technology with the knowledge and skills to excel in the realm of AWS Cloud.





Training Programme, Edunet-SAP Foundation Course by Department of Engineering

Unnati Programme,' a training session was organized in BMCET's 'Centre of Excellence' room no. 104 from September 21st to September 27th. Approximately 32 students from the Computer Engineering and IT engineering departments of the 3rd semester attended the training. Mr. Bassar Patel, an expert Master Trainer at Edunet Foundation and SAP, provided training for the students. The objective of the training was to make students aware of the latest technologies, such as Internet of Things (IoT), Machine Learning, Artificial Intelligence, ERP, Rapid Prototyping, etc., in the recent tech industry. The training was conducted according to the curriculum of Edunet Foundation. The students were also made aware of the latest and most demanded digital skills in such fields.





Internal Hackathon by Department of Engineering

Faculty of Engineering and Technology, jointly organized an internal hackathon on September 27, 2023. 17 student teams took part, and Mr. Dhruv Patel and Ms. Monali Panchal led the organization. The students were excited and presented their projects using PowerPoint. After the event, the college gave certificates to the students who participated. This event showed the colleges' support for creativity and new ideas. It was a cool way for students to share and learn new things.





An Industrial Visit “Vikram Sarabhai Space Exhibition Centre” By Department of Engineering

On September 29, 2023, the Aeronautical Engineering Department of our engineering college organized an enlightening industrial visit to the Vikram Sarabhai Space Exhibition Centre in Ahmedabad. Ms. Dharti Parmar and Mr. Gaurav Mehta orchestrated the event, leading 23 students through an immersive experience showcasing the achievements of the Indian Space Research Organization (ISRO). The sessions covered a spectrum of topics, including ISRO's satellites, launch vehicles, past missions, and future projects. Students gained valuable insights into satellite types, functions, orbital dynamics, ISRO's history, satellite launch vehicles, sounding rockets, propulsion modules, and a glimpse into ISRO's future missions and objectives. The visit proved to be an invaluable educational experience for all participants.



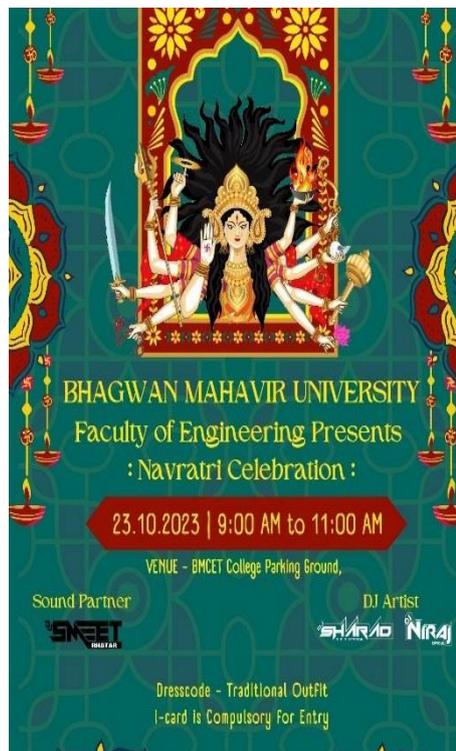
Students' Achievement at Department of Engineering

On October 20, 2023 the IoT Design Challenge, organized by the Electronics and Communication Department of Sarvajanic College of Engineering and Technology in association with IETE SCET ISF, featured active participation from students of Bhagwan Mahavir College of Engineering and Technology, specifically those in Computer department Sem3. The team, comprising RiturajBajrang Singh, Parmar Aayush, RudraSaikiran, and Niraj Rajput, showcased their skills and innovation in the field of Smart Agriculture, securing an impressive 3rd position in the competition.



Navratri Celebrated by Department of Engineering

On October 23, 2023, the Faculty of Engineering at BMU had celebrated Navratri with great fervour. We celebrated at the Bhagwan Mahavir College and Technology parking area, where we organized a garba event. Many students and teachers joined in the fun wearing traditional clothes. The program started with Aarti, and then everyone enjoyed dancing in Garba and Dodhiya. It was a fun day for both students and faculty, enjoying the festivities together.



Innovation Project by Electronics Engineering Department of Engineering

On October 27, 2023 Vaibhav Singh, a 5th-semester student in the Electronics department at Faculty of Engineering and Technology, is redefining mobility with his project: the conversion of an Internal Combustion (IC) engine into an Electric Vehicle (EV). Inspired by a neighbour's experience with an EV, Vaibhav noticed controller issues and, driven by the challenge, set out to find a solution. Crafting the EV from scrap, he meticulously integrated a 72V, 60A battery, providing an impressive 200km range. With a charging time of 3-3.5 hours and a top speed of 110, Vaibhav's project stands as a testament to the fusion of engineering and sustainable solutions. He actively participated in various events, earning certificates and medals, and received encouragement and felicitation from our college's director and trustees.



Workshop by Department of Engineering

On November 2, 2023, the Aeronautical Department of Bhagwan Arihant Institute of Technology organized a workshop on Drone Technology. Twenty students and five faculties participated in the event. The workshop aimed to provide an educational platform for participants to explore and master this exciting field.

The workshop covered topics such as basic control systems and drone movement. A live demonstration showcased the maneuvers and functions of an agricultural drone. The speaker-Prof.Babu Patel emphasized pre-flight and post-flight checks from a pilot's perspective, including the rules and regulations in place across India. The event concluded with guidance on becoming a certified drone pilot. Certificates were distributed to participants by Prof.Babu Patel and other faculty members of the Aeronautical Department.



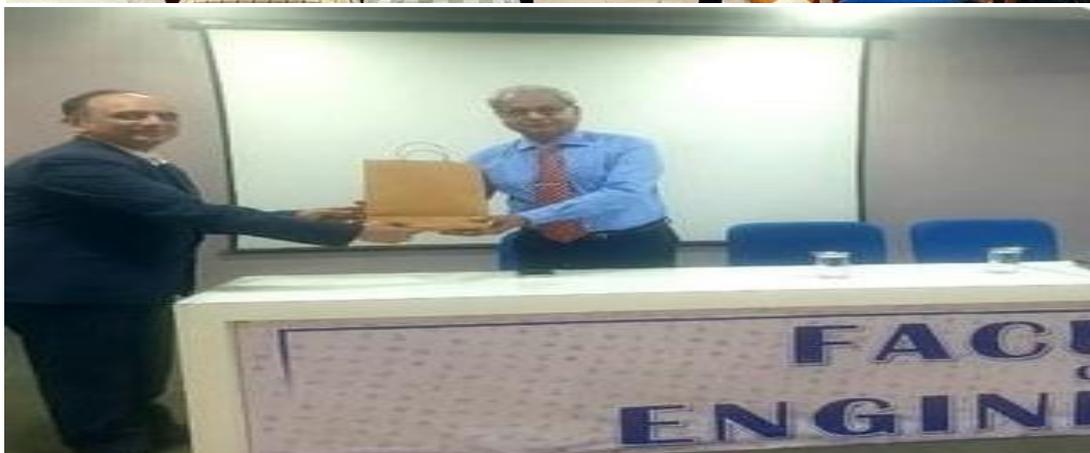
Vikshit Bharat @ 2047 Live Telecast

Our department of engineering organized a live telecast of 'Viksit Bharat @2047' on December 11, 2023, at the seminar hall, with 20 faculty members and 100 students in attendance. The initiative, in line with the Prime Minister's vision, aims to actively engage the youth in shaping national plans and priorities. It provides a platform for the to contribute ideas towards making India a developed nation by 2047. During the event, Prime Minister Shri Narendra Modi emphasized the importance of channelling the energy of students towards this common goal, highlighting the launch of an Ideas Portal for suggestions related to 'Viksit Bharat.' He stressed the significance of civic responsibility and collective effort, noting that with the mantra of "Sabka Prayas," even the most significant resolutions can be achieved.



Expert Session by Department of Engineering

On December 18, 2023, the Department of Engineering at our institution organized an expert lecture for first-year students, focusing on the topic "How to be Successful in Interviews." The event attracted significant attendance, with over 100 students and 20 faculty members present. The expert for the session was the esteemed Dr. Manoj Kumar, Provost at BMU, who shared valuable insights and tips with the degree engineering students. While Dr. Kumar didn't conduct the lecture himself, his expertise in the subject matter added considerable depth to the discussion. He provided practical advice and strategies to help students excel in their future interview endeavours.



Drone Application Bootcamp 5.0: Empowering Precision Framing and Engineering Innovations

From March 11 to 15, 2024, FOE hosted the highly anticipated Drone Application Bootcamp 5.0, conducted by Mr. Rahul N Gonawala, HOD of EC, FOE. This immersive event delved into the cutting-edge realm of drone technology, specifically tailored for precision farming and engineering applications.

Participants were immersed in a comprehensive curriculum covering essential topics such as precision farming techniques, drone technology fundamentals, regulatory insights, flight planning strategies, data processing methodologies, and practical deployment scenarios.

Distinguished experts from SVNIT, Surat led the sessions, including Dr. A.D. Darji, Dr. Suresh Dahiya, Dr. Pinal Engineer, Dr. Sankita Patel, Dr. Balu Parne, Dr. Keyur Rana, Dr. Mitali Desai, Dr. Isha Agarwal, Mr. Rinkesh Patel, Mr. Aksh Patel, and Ms. Vaishnavi Rathod, brought invaluable expertise on a range of subjects, including drone fundamentals, microcontroller integration, communication protocols, deep learning applications, security protocols, GPS navigation techniques, visualization tools, Neo4j querying capabilities, PUF-based AKA for Internet of Drones, DGCA regulatory frameworks, and promising career pathways within the drone industry.

Hands-on lab sessions were a highlight of the bootcamp, where participants had the opportunity to assemble drones, explore QGIS for precision agriculture, and witness captivating drone flying demonstrations. The event also featured felicitations, interactive brainstorming sessions, and delightful refreshments for networking and collaboration.



AAYAM 2024: Unveiling Creative in Engineering-Poster Launch Event

On February 19, 2024, the event was successfully organised under the mentership of Dr. Manoj Kumar Hon. Provost, BMU. AAYAM 2024 Poster Launch Event unfolded in grandeur at BMCET's seminar hall (102), orchestrated by the Aayam Student Committee. The event, commencing at 10AM, drew a vibrant crowd of 200 attendees, including 50 esteemed staff members and 150 enthusiastic students.

The event commenced with warm welcomes and the introduction of distinguished guests, among who were Chief Guest Mr. Manish Vaghasiya. Special recognition was accorded to the Provost and Registrar for gracing the occasion. The support of notable sponsors such as Shree Balaji Jewelers, Calid Foods, HN Art, and Art by Seema lent an invaluable touch to the event's success.

Highlights of the event included inspiring guest speeches underscoring the pivotal role of creativity within the engineering domain, heartfelt acknowledgments to sponsors, a motivational address by Mr. Manish Vaghasiya, and the much-anticipated unveiling of AAYAM's captivating posters.

The event drew to a close with a succinct recap of its memorable moments, heartfelt expressions of gratitude to all participants and supporters, and an encouraging call to nurture creativity and innovation within the vibrant FOET community.



AAYAM 2024: Unleashing Technical Excellence and Innovation in Engineering

AAYAM 2024, the national tech fest, took place on March 22, 2024, at Bhagwan Mahavir College of Engineering & Technology (BMCET). This offline event, organized by BMCET along with MSCET, BAIT, B M Poly, and M S Poly, saw 2,640 participants, including 140 staff and 2,500 students. AAYAM is an annual event featuring technical competitions, workshops, and various attractions aimed at showcasing student talent.

The event began at 9:30 a.m. with dignitaries such as Dr. Manoj Kumar, Campus Director of BMU, and Dr. Vineet Goel, Dean of Engineering. The inauguration included a lamp-lighting ceremony led by the chief guest, Mr. Amit Joshi, DGM & Head of Human Resources at L&T Defense IC, Hazira. Mr. Joshi, an HR professional with over 17 years of experience, shared valuable insights from his career.

Dr. Manoj Kumar Hon. Provost, BMU welcomed participants and introduced BMEF and BMU. AAYAM 2024 is well-organized events, catering to the interests of engineering students while incorporating fun activities. The day ended with a prize distribution ceremony, celebrating the achievements of participants.





Cyber Security Workshop by Tata STRIVE: Equipping Students for Secure Digital

From January 1 to March 30, 2024, FOE hosted an offline Cyber security workshop conducted by Tata STRIVE in Lab 104. The event, attended by 1 staff member and 28 students, aimed to provide essential cyber security knowledge.

Guest speaker Mr. Chintan Desai, a cyber security expert from Tata STRIVE, delivered an engaging session that included technical games and discussions on protecting networks and data from cyber threats. He also shared insights into Tata STRIVE's journey and the importance of robust security measures.

Participants learned about information security policies, business continuity plans, and disaster recovery plans, which are crucial for minimizing security risks and ensuring business continuity during emergencies. Testimonials from attendees highlighted the workshop's informative and interactive nature.

Overall, the Cyber security workshop successfully prepared participants to tackle cyber threats, emphasizing the importance of cyber security in today's digital landscape.



Technical Training on Flutter Seminar for CSE Students

On February 19, 2024, Annex Tech conducted an offline Flutter Seminar at BMCET Seminar Hall. The seminar featured guest speaker Mr. Harshal Kshatriya and attracted a total of 120 participants, including 10 staff members and 110 students.

The event with a warm welcome to Mr. Harshal Kshatriya, who introduced himself and engaged with attendees, including playing technical games on stage to encourage student participation. Mr. Kshatriya shared insights about Annex Tech and their utilization of Flutter technology, detailing their journey from inception to current status. He provided valuable knowledge about Flutter technology and its applications.

Mr. Harshal Kshatriya is an experienced professional at Annex Tech, highly skilled in Flutter technology. He motivated students to explore and learn about Flutter, showcasing his expertise in the technical field.

The program highlighted the complexities of mobile application development and the advantages of Flutter, emphasizing its high performance and simplicity compared to other frameworks.

The program highlighted the complexities of mobile application development and the advantages of Flutter, emphasizing its high performance and simplicity compared to other frameworks.

Testimonials from attendees, Jay Vaghasia and Sneha Sharma, praised the informative and engaging nature of the workshop, acknowledging Mr. Kshatriya's effective facilitation.

BMU BHAGWAN MAHAVIR UNIVERSITY
Annex
 FACULTY OF ENGINEERING
 CS/IT DEPARTMENT
Flutter Seminar
 For One Hour
 on 19th Feb 2024
Flutter
EXPERT SPEAKER:
Harshal Kshatriya
 Co-Founder of AnnexTech
 9016333511
 harshal.kshatriya@annextech.co
 www.annextech.co



Advancing Drone Awareness Seminar, Engineering

On February 20, 2024, an offline Drone Awareness Seminar was conducted by Mr. Rahul NGonawala at BMCET Seminar Hall (102) starting at 11:00 AM. The seminar aimed to provide comprehensive insights into drones, including their capabilities, limitations, and ethical considerations, as they become increasingly integrated into daily life.

The event attracted a total of 90 participants, consisting of 25 male students, 40 female students, 5 male staff members, and 20 female staff members.

The seminar commenced with welcoming remarks and the introduction of the expert speaker, Mr. Aditya Prajapati, a DGCA-certified remote pilot instructor with extensive industry experience and academic qualifications in electronics engineering. Dr. Vineet Goel, Dean of Engineering, delivered a guest speech emphasizing creativity in engineering.

Sponsor acknowledgment was extended to Calid Foods for their support. Mr. Aditya Prajapati delivered a key note speech on Drone Awareness, covering DGCA regulations, drone applications, and sectors utilizing drones significantly.

The event concluded with a summary of highlights, gratitude to attendees, guests, and sponsors, and encouragement to continue fostering innovation.

Mr. Aditya Prajapati, the speaker, is an experienced professional committed to advancing emerging technologies.

The program included technical sessions on drone design and operation, drone applications across various industries, regulatory frameworks, safety, and security measures.

The seminar aimed to promote responsible drone usage and continued learning in this rapidly evolving field, fostering collaboration among participants.

DRONES ARE CHANGING THE WORLD, ONE SKY AT A TIME.

OUR EXPERT
On this innovative journey guided by
MR. ADITYA PRAJAPATI
DGCA CERTIFIED INSTRUCTOR

Meet our expert, Mr. Aditya Prajapati, a DGCA-certified remote pilot instructor with 25+ years of industry experience in technology leadership. Holding a master's degree in electronics engineering and pursuing a Ph.D., he is committed to making a positive impact on emerging technologies.

BMCET SEMINAR HALL
REGISTER AT [HTTP://TINYURL.COM/DRONE20FEB](http://tinyurl.com/drone20feb)

B M U BHAGWAN MAHAVIR UNIVERSITY
FACULTY OF ENGINEERING Organized
SSIP supported
WORKSHOP ON DRONES AWARENESS

TUESDAY, 20 .02. 2024.
11:0 AM - 12:00 PM
JOIN US

MR. RAHUL N. GONAWALA ,
HOD, ELECTRONICS & COMMUNICATION

SKY VIEW UAV
YOUR JOURNEY, OUR WINGS

INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)



Nurturing Innovation: Line Follower Hands on Workshop, EC Dept., Engineering

On February 21, 2024, an offline Line Follower Hands-On Workshop was conducted by Mr. Rahul N Gonawala at BMCET Digital Electronic LAB (618) starting at 10:30 AM. The workshop aimed to provide participants with practical experience in building line-following robots, which are autonomous robots that track and follow visible paths using sensors.

The workshop attracted a total of 16 participants, including 12 male students, 1 female student, 1 male staff member, and 2 female staff members.

The event began with welcoming remarks and an introduction by Mr. Rahul N Gonawala, the HOD of the EC department. Dr. Vineet Goel, the Dean of Engineering, delivered a guest speech emphasizing creativity in engineering.

Sponsor acknowledgment was extended to Calid Foods for their support. Mr. Rahul Gonawala delivered a keynote speech on the Line Follower Hands-On Workshop and provided an overview of the electronic club.

The workshop included practical sessions where participants learned about line-following robots and how to build them. The program aimed to promote hands-on learning and foster innovation within the community.

The event concluded with a summary of highlights, gratitude to attendees, guests, and sponsors, and encouragement to continue fostering creativity and innovation.

BHAGWAN MAHAVIR UNIVERSITY
FACULTY OF ENGINEERING

Line Follower Hands on Workshop

Date: 21/02/2024
10.00 AM Onwards
Seminar Hall, BMCET
Registration Fee: ₹ 100

Electronics & Communication Dept.

Faculty Convener: Rahul N. Gonawala
Student Convener: Abhishek Patel (9429717064), Mayank Sharma (9483108153)

Aayam 24

www.facebook.com/bmcetaayamofficial

Embracing Innovation: Industrial Automation 4.0 Awareness Seminar, Engineering

On February 22, 2024, an offline Industrial Automation 4.0 Awareness Seminar was conducted by Mr. Rahul N Gonawala at BMCET Seminar Hall (102) starting at 10:30 AM. The seminar aimed to provide insights into the transformative shift brought about by Industry 4.0, focusing on intelligent automation in industrial processes.

The seminar attracted a total of 71 participants, including 28 staff members and 43 students. Esteemed guests included Chief Guest Mr. Prashant Gheewala and Dr. Vineet Goel, the Dean of Engineering. Sponsor acknowledgment was extended to Calid Foods for their support.

The event began with welcoming remarks and introductions, followed by a guest speech by Dr. Vineet Goel, emphasizing the significance of creativity in engineering. Mr. Prashant Gheewala delivered a keynote speech on Industrial Automation 4.0, providing insights into his company, PG Automation, and its contributions to the field.

Mr. Prashant Gheewala, founder of PG Automation, specializes in Electrical & Automation industrial works, particularly in CVD/Lab-Grown Diamond Machine Automation & Control Panel/MCC/PCC LC-SCADA programming.

The seminar aimed to foster creativity and innovation within the community and concluded with a summary of highlights, gratitude to attendees, guests, and sponsors, and encouragement to continue embracing technological advancement.



FACULTY OF ENGINEERING  **BHAGWAN MAHAVIR UNIVERSITY**

Industrial Automation 4.0 Seminar

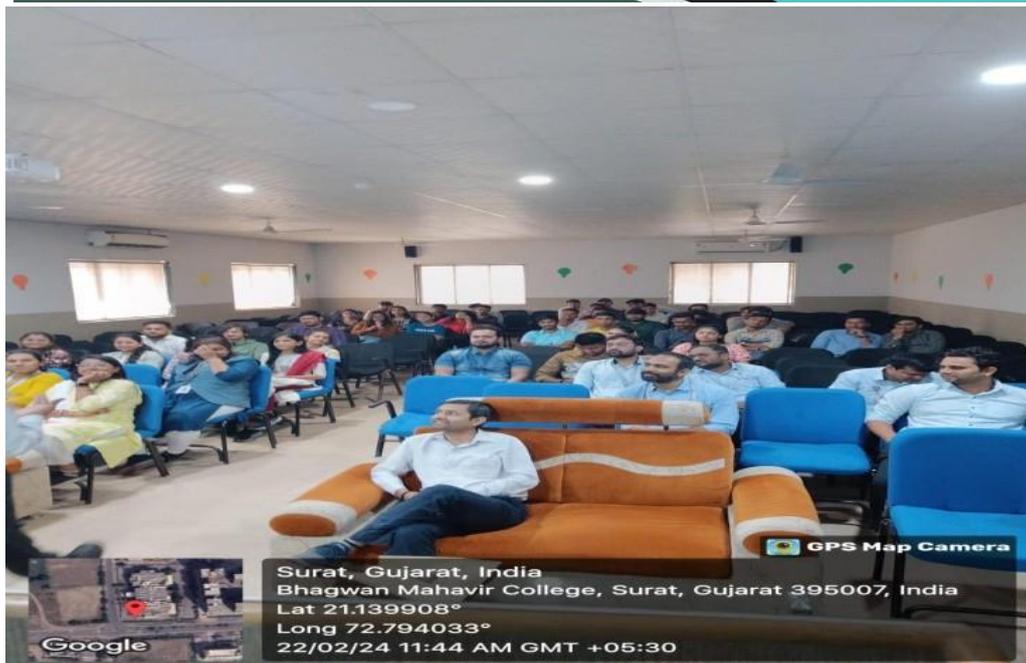
MR. PRASHANT GHEEWALA
B.E. ELECTRICAL, MBA FIN,
FOUNDER & DIRECTOR, PG AUTOMATION

INDUSTRIAL AUTOMATION TRAINING AWARENESS

Skill based course includes concepts of PLC, HMI, VSD
Advance Skill based course

WHO CAN JOIN ?
DEGREE/DIPLOMA COLLEGE STUDENTS, ENGINEERS OF ELECTRICAL,
ELECTRONICS AND COMMUNICATION, INSTRUMENTATION AND CONTROL,
MECHANICAL, POWER ELECTRONICS, INDUSTRIAL ELECTRONICS
AND COMPUTER-IT BRANCHES.

Date: 22-Feb-2024
Time: 10.30 AM onwards
Venue: BMCET Seminar Hall
Let's remove gap of Industry-Academia

Unlocking Success: PTE Master Class Empowers Engineering Students

On February 23, 2024, an offline PTE (Pearson Test of English) Master Class was conducted by Ms. Romy Banerjee and Ms. Nisha Rai at BMCET Seminar Hall (102) starting at 10:30 AM. The seminar aimed to provide valuable insights and information about the PTE Academic exam to prospective test-takers, familiarizing them with the format, structure, and scoring system of the test.

The seminar attracted a total of 65 participants, including 11 male staff members, 14 female staff members, 17 male students, and 23 female students.

The event began with welcoming remarks and introductions, followed by a guest speech by Dr. Vineet Goel, the Dean of Engineering, emphasizing the significance of creativity in engineering. Sponsor acknowledgment was extended to Calid Foods for their support.

Ms. Romy Banerjee conducted a brief seminar on the awareness of the PTE exam, providing insights into the importance of English proficiency for academic and professional success. The seminar covered various aspects of the PTE Academic test, including its sections, question types, scoring criteria, and effective test-taking strategies.

The program included interactive sessions with sample questions and practice exercises, scoring and results interpretation, test-day preparation advice, and a mock test simulation to help attendees become familiar with the test environment.

Ms. Romy Banerjee, the Head of the West Region for Pearson PTE, and Ms. Nisha Rai, Territory Manager, brought extensive knowledge and expertise to the seminar, enriching attendees' understanding of the educational landscape and supporting students in their abroad journey.

The seminar concluded with a summary of highlights, gratitude to attendees, guests, and sponsors, and encouragement to continue fostering creativity and innovation within the community.



**BHAGWAN
MAHAVIR
UNIVERSITY**

Faculty of Engineering

PTE MASTER SESSION With Pearson Representative

- Reason to Select PTE
- Queires related to PTE Exam
- Insights of PTE
- Get admission in high recommend university

 **Date:**
23-02-2024

 **Start from**
10:00am - 1200am

 **Seminar Hall,**
Bhagwan Mahavir College of
Engineering & Technology

Register at : <http://tinyurl.com/bmupte>



Romi Banerjee
Business Development
Manager for West Zone



Ms. Nisha Rai
Territory Manager





Edunet Foundation Systems, Applications & Products in Data Processing Training, Engineering

From March 3, 2023, to March 23, 2024, The Edunet Foundation Systems, Applications & Products in Data Processing Training, conducted offline under the auspices of the Code Unnati Program, gathered a total of 36 participants, including 2 staff members and 34 students, at the 104-lab, BMCET. The event commenced with an introduction to SAP (Systems Applications and Products in Data Processing), elucidating its significance as both ERP software and a company, founded in 1972. Mr. Bassar Patel initiated proceedings by welcoming attendees from Bhagwan Mahavir University, introducing himself, and fostering engagement through interactive activities, including technical games. Additionally, Mr. Mainik Patel, an employee at Edunet Foundation, shared insights into the company's journey and underscored the importance of learning about Edunet Foundation and SAP. The event provided a comprehensive overview of the business unit's processes, from client inquiry to product delivery, emphasizing the benefits of employing SAP for streamlined operations. Testimonials from participants Jay Vaghasia and Sneha Sharma lauded the workshop's informative and engaging nature, affirming its success in achieving its objectives.





International Women's Day Celebrations 2024, Engineering

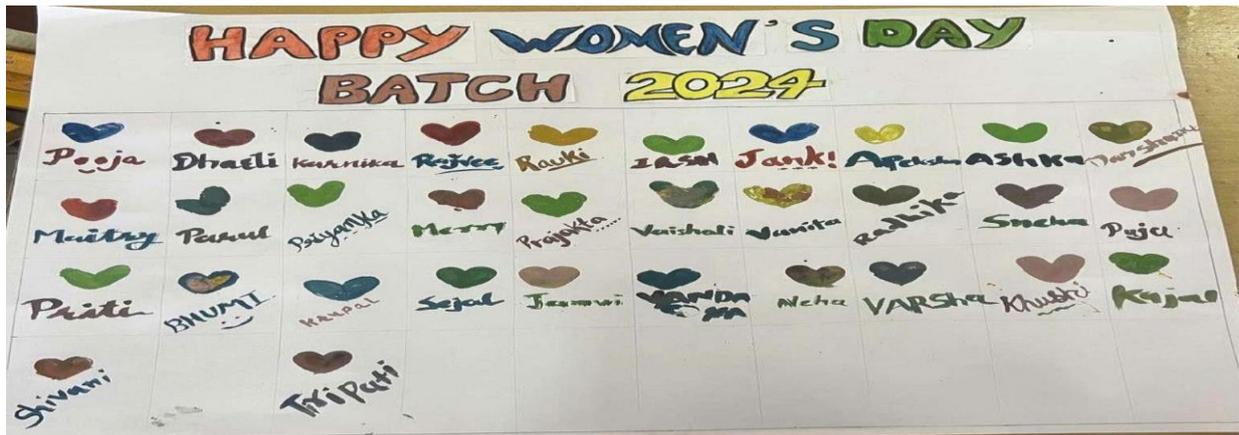
On March 12, 2024, the Women's Day Celebration event organized by the WDC (Women's Development Cell) at the Faculty of Engineering, was a vibrant and joyful occasion. Female faculty members came together to commemorate and celebrate International Women's Day.

The event commenced as all female faculty members of FOE gathered in Room No.206 around 11:00 AM, welcomed warmly by students with heartfelt comments. The celebration unfolded with a series of engaging and entertaining games such as "Dam Shararat," guessing movie names, a general knowledge quiz, presence of mind games, and housie, fostering a spirit of camaraderie and fun among attendees.

The festivities continued with a symbolic cake cutting ceremony in the esteemed presence of Dr. Vineet Goel, the Dean of Engineering, marking the significance of Women's Day. A delectable lunch was served, providing an opportunity for networking and meaningful conversations among participants. The event concluded with more engaging games, further enhancing the celebratory atmosphere.

The International Women's Day Celebration not only honored the contributions of women in engineering but also served as a platform for fostering unity, camaraderie, and empowerment among female faculty members and students alike.





Nukkad Natak Competition at Spandan-24: Raising Awareness through Street Theatre

As a part of Spandan-2024, the Faculty of Engineering hosted an in-house Nukkad Natak competition on March 13, 2024, from 12:00 PM to 2:00 PM at the parking area of Bhagwan Mahavir Polytechnic. Nukkad Natak, a traditional form of street theatre, was performed to raise awareness on the conservation of resources and the importance of family relationships.

Two teams from Bhagwan Mahavir University participated, with the event judged by Dr. Bhavina Desai (B.Ed) and Ms. Anamika Surti (BMCBAS). Both teams, BMPLY and BMCCA, were awarded first prizes for their impactful performances. The event was coordinated by Asst. Prof. Priyanka Jani and Asst. Prof. Pooja Desai. The competition successfully highlighted critical societal issues, fostering awareness and encouraging change.





Empowering Future Engineers: GATE CS Training and Preparation Event by FOET

From March 1 to April 3, 2024, Faculty of Engineering hosted the GATE CS Training and Preparation event at FOE's 513 Lab, as a speaker Mr. Manish Singh shared insights into GATE CS/IT syllabus essentials. Participants engaged in interactive sessions covering C-Programming, Database Management System, and Linear Algebra, enhancing their technical skills. Testimonials highlighted the session's value and engagement. The event attracted 39 participants, including staff and students, who delved into essential topics such as C-Programming, Database Management System, and Linear Algebra. Mr. Singh, an expert from FOE, provided valuable insights into GATE syllabus applications and career opportunities, fostering interactive learning experiences.


BHAGWAN MAHAVIR UNIVERSITY

CE/IT DEPT, BMU ORGANIZES

**GATE Preparation for
Computer Science**

Mr. Manish Kr. Singh
Assistant Professor

**Bhagwan Arihant Institute of Technology,
BMU, Surat**

Manish Kr. Singh
Co. No.- 8178452624



Register at: <https://tinyurl.com/5yy6ba8u>


 Scan to Register



Exploring Power Generation: Industrial Visit to Ukai Thermal and Hydro Power Stations by FOET

On May 19, 2024, Faculty of Engineering (MSCET) organized a comprehensive industrial visit to Ukai Thermal Power Station and Hydro Power Station, guided by Ms. Bhumika Patel. The visit, attended by 50 participants including faculty and students, provided in-depth insights into the operations of the 1100 MW thermal plant and the 300 MW hydro plants. Experts highlighted safety protocols, renewable energy applications, and practical aspects of boilers, turbines, and hydroelectric systems. This experience enriched students' understanding of electrical engineering concepts in real-world applications.



Mastering Soft Skills: A Seminar by Edunet Foundation at FOET

On April 9, 2024, FOE hosted a Soft Skills Seminar led by Ms. Yesha Manek from the Edunet Foundation. The seminar, held in Seminar Room 513, was attended by 27 participants, including one staff member and 26 students. Ms. Manek provided an insightful introduction to soft skills, emphasizing their importance in various professional settings. She engaged with the participants through interactive activities and discussions, highlighting the use of Edunet Foundation's technology in fostering these skills. The seminar covered essential aspects of soft skills, such as communication, teamwork, problem-solving, emotional intelligence, and leadership. The engaging session was well-received, with positive feedback from attendees like Jay Vaghasia and Sneha Sharma, who appreciated the informative and interactive nature of the workshop. This seminar underscored the critical role of soft skills in professional development and personal growth.

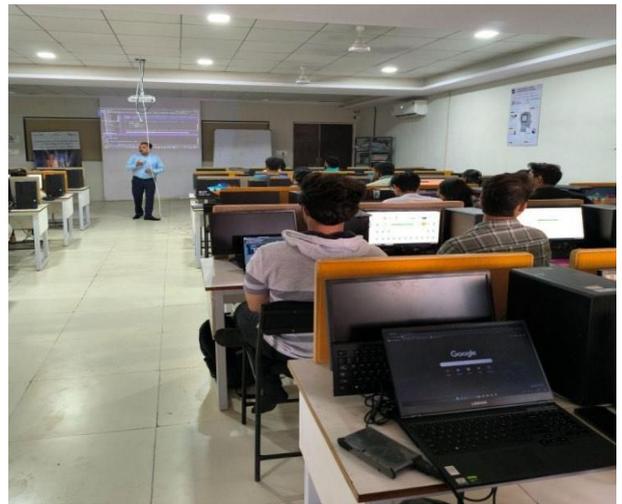


Mastering Data Science: Workshop by IIHT by FOET

From 1st April to 3rd April 2024, FOE hosted a Data Science Workshop led by Mr. Vikas Gokhale from IIHT. The event, held in Lab 513, saw 44 participants, including staff and students. Mr. Gokhale introduced fundamental and advanced Python programming, data science tools, data cleaning, and processing techniques. The interactive sessions and practical insights into machine learning and data science applications were highly appreciated by the

attendees. The workshop successfully equipped participants with essential data science skills and best practices, receiving positive feedback for its comprehensive and engaging approach.

The workshop covered a range of topics including basic and advanced Python programming, essential data science tools, data cleaning, and data processing techniques. Participants learned about foundational Python concepts, advanced libraries like numpy, frameworks like Django, and data science tools like MLFlow and PandasAI, which integrate AI capabilities for more efficient data analysis and model building. Mr. Gokhale's detailed explanations on data cleaning and processing provided the students with crucial skills for transforming, analyzing, and organizing data.



Industrial Analytical Testing Methods Workshop by FOET

On June 8, 2024, Faculty of Engineering held an offline workshop on Industrial Analytical Testing Methods, organized by Mrs. Urmila Chauhan, with 59 participants including 6 staff members and 53 students. The event took place in the BMCET seminar hall at 10:30 AM. The workshop aimed to highlight the importance of industrial analytical testing methods for ensuring quality control, regulatory compliance, and product development across various industries.

The opening ceremony included welcoming remarks by the host and an introduction of the chief guest, Mr. Pradip Raj, founder and CEO of VS Analytical Solution. The workshop highlighted the capabilities of FDAC license-approved laboratories in testing samples from diverse industries such as pharmaceutical, chemical, agro, pesticides, dyes, polymers, and water analysis. The chief guest Mr. Pradip Raj, shared his vast knowledge on the subject. His company provides hands-on training for various laboratory equipment, including HPLC, GC, Karl Fischer, and more. The laboratory is well-equipped with essential tools like pH and conductivity meters, turbidity meters, analytical balances, and a range of conventional equipment, ensuring comprehensive training and accurate analysis.



Capture the Flag (The Hackers Meetup) at FOET

On May 19, 2024, Faculty of Engineering hosted an offline event titled "Capture the Flag (The Hackers Meet up)," organized by THS-Surat, Luma. The event took place at 102-Seminar Hall and attracted 75 participants, including 5 staff members and 70 students. The meet up focused on OpenSource Intelligence (OSINT) in cyber security, showcasing its role in identifying threats and vulnerabilities through publicly available data sources like social media and websites. Mr. Sanket Pandey, a cybercrime investigator from CCIO Cyber matricks Group of Companies, delivered an insightful session on OSINT, emphasizing its importance in cyber security risk management and vulnerability assessment.

The event featured engaging speaker sessions by Mr. Sanket Pandey, interactive workshops on hacking techniques, challenging quizzes, and networking opportunities. Participants gained practical insights into cyber security practices and explored ethical hacking methods under expert guidance. The event's impact on students to enhancing their understanding of cyber security challenges and skills development.

The Hackers Meetup
Let's Talk About Hacking

SURAT CHAPTER
Speaker

TOPIC
OSINT
(Open-source intelligence)

Mr. Sanket Pandey

19th May 2024
10:00 AM to 2:00 PM

BMU
Room 102, BMCET building, Bhagwan Mahavir University, VIP Road, Vesu, Surat

@hackersmeetup
thehackersmeetup.org
+91 7984604542
+91 95107 14512

INITIATIVE BY: COMEXPO CYBER SECURITY FOUNDATION
KNOWLEDGE PARTNER: CCIS Center for Cyber and Information Security
COMMUNITY PARTNER: OSW OPEN SOURCE WEEKEND CONNECT-SHARE-THRIVE
SUPPORTED BY: moz://a gujarat
OUTREACH PARTNER: LOGOUT
VENUE PARTNER: BMU





Cyber Security Orientation by FOET

On June 7, 2024, Faculty of Engineering organized an offline event titled "Cyber Security Orientation," conducted by Guardian Wave Consultancy (GWC) at 102-Seminar Hall. The event drew 81 participants, including 11 staff members and 71 students, eager to delve into fundamental cyber security principles and practices.

The session commenced with a warm welcome to Mr. Dharmesh Hadiya from Guardian Wave Consultancy (GWC), who introduced himself and engaged with attendees through interactive games and discussions. Mr. Hadiya shared insights into cyber security basics, highlighting the importance of digital security in today's interconnected world. Participants gained practical knowledge on password security, phishing prevention, malware protection, and the significance of software updates. Real-life case studies underscored the critical need for proactive cyber security measures, empowering attendees to safeguard personal and professional digital assets effectively.





Advance SAP Training Workshop by FOET

On April 29, 2023, Faculty of Engineering hosted an offline event titled "SAP Training" in the BMCET SAP LAB (104), organized by the Code Unnati Program. The session aimed to familiarize participants with SAP (Systems Applications and Products in Data Processing), emphasizing its role in Enterprise Resource Planning (ERP) and its application across various industries. The event began with a warm welcome to Mr. Pawan Patel from Edunet Foundation private limited, who shared insights into SAP and its practical applications. Mr. Patel engaged participants through interactive games and discussions, encouraging them to explore the functionalities and benefits of SAP in business operations. He discussed the evolution of Edunet Foundation and its integration of SAP to streamline business processes, highlighting the system's capabilities in enhancing productivity, inventory management, and customer interaction.



Mastering Flutter: Empowering Mobile App Development at FOET

The Flutter Seminar hosted by Annex Tech at FOE on April 19, 2024, brought together 35 enthusiastic students and 1 staff member eager to delve into the world of Flutter application development. Mr. Parth Sanghani, from Annex Tech, led the session with expertise and enthusiasm, highlighting Flutter's capabilities as a reactive programming framework that simplifies mobile app development across platforms. Participants engaged in interactive sessions and gained insights into Flutter's application in real-world scenarios, fostering a deeper understanding of this cutting-edge technology.

The seminar not only provided practical knowledge but also inspired attendees to explore Flutter's potential in revolutionizing mobile app development. Through hands-on activities and discussions, Mr. Sanghani demonstrated how Flutter enhances performance by rendering UI directly on the OS canvas, thereby overcoming traditional framework limitations. The event concluded with positive feedback from participants, underscoring its value in preparing future developers for the dynamic field of mobile technology.

