R. M. K. ENGINEERING COLLEGE

(An Autonomous Institution)

Affiliated to Anna University

Approved by AICTE, New Delhi/Accredited by NAAC with A+ Grade/

An ISO 21001:2018 Certified Institution/All the Eligible UG Programs are Accredited by NBA, New Delhi)

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R. M. K. ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

ANNUAL REPORT

ACADEMIC YEAR

2022 - 2023

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MESSAGE FROM THE MANAGEMENT

28 years. 8 Institutions. One Heart. From cutting-edge to leading edge, RMK offers an ever adapting and dynamic learning process across all its institutions. A highly qualified faculty, across disciplines Uniform class size and student-to-faculty ratio Facilitating healthy student-teacher interactions and learning partnerships

CHAIRMAN'S MESSAGE

Dear Students,
Welcome to RMK Engineering College!

The transition from school to college is a very big step in life. You have put in so much hard work in your public exams, spent sleepless nights, earned a rewarding score, and with the suggestions of your parents/guardian you have joined your chosen stream of education to realize your life-ambition and set the foundation for your future. By choosing to create a future for yourself from our institution means that we, the teachers and management at RMK, are also responsible for your successful graduation and growth. You will cherish every day at your college. Right from day one, your seniors, your professors, and members of the administration will get to interact with you. More than that the zealous environment will have you charged up to achieve your dream with confidence like never before. I assure you, you are at home.

It is your career path that you have now embarked upon, which will be a remarkable journey in itself that will prepare you for a life beyond college. We hope to make your journey with us, engaging, encouraging and enlivening as ever, for you to grow as an outright individual, ready to take on life as an adult. We pray and will work with you to see you become one with the society where your contribution will make a definitive difference to our world.

The commitment from us begins from day one – to work with you and walk with you each day all through the years you spend here. It is your home away from home. As I mentioned earlier, the learned staff and the ever-accessible management is there to guide you through your path and help you nurture your dreams and fulfil them – by empowering you to realize your true potential. Be it studies, sports or any extracurricular activities, you don't just graduate with a degree and a certificate – but become a graduate of life and a true citizen of the world of tomorrow.

Wish you all the very best.

Yours truly,
Thiru. R. S. Munirathinam
Chairman, RMK Engineering College.

INSTITUTION OVERVIEW

A **premier educational institution** committed to providing **quality education** and fostering **innovative research** across diverse disciplines. With a strong emphasis on **academic excellence** and **holistic development**, the institution has consistently produced **outstanding graduates** contributing to global progress.

MISSION:

- To develop the needed resources and infrastructure, and to establish a conducive ambience for the teaching- learning process
- To nurture in the students, professional and ethical values, and to instill in them a spirit of innovation and entrepreneurship
- To encourage in the students a desire for higher learning and research, to equip them to face the global challenges
- To interact with industries and other organizations to facilitate transfer of knowledge and know-how.
- To provide opportunities for students to get the needed additional skills to make them industry Ready.

VISION:

- To be the most preferred destination in the country for pursuing education in Engineering and its allied fields, at the undergraduate and post graduate levels, and for undertaking doctoral research.
- To transform learners into achievers at the global level with the right attitude towards changing societal needs.

VALUE:

- We are driven by the core **values of integrity, innovation, and inclusivity**.
- We believe in nurturing a **collaborative environment** where **students**, **faculty**, and **staff** work together to achieve **academic success**, promote **sustainable development**, and foster a culture of **lifelong learning**.
- Our commitment to **social responsibility** and **ethical practices** guides all our endeavors.

HISTORY:

We at R M K Engineering College are committed

- To create competent and skilled professionals who can cater to intellectually and technologically changing environments by imparting high quality value based technical education and training.
- To promote research and innovation to achieve excellence and manage the intellectual property efficiently.
- To boost stakeholder and societal satisfaction in alignment with governing bodies.
- To enhance the efficacy of the quality management system over time.

ACCREDITATION:

- We are Approved by AICTE, New Delhi/Accredited by NAAC with A+ Grade/
- An ISO 21001:2018 Certified Institution/All the Eligible UG Programs are Accredited by NBA, New Delhi)

AFFILIATION:

- We are Affiliated to Anna University, Chennai, one of the most prestigious universities in **India**, renowned for its commitment to **excellence in technical education**
- The affiliation strengthens our **academic framework** and provides access to a **wide network of research and industry collaborations**.

CURRICULAR DESIGN & ACADEMIC PERFORMANCES

a) List of Courses Offered

Course Code	Course Name	Degree Type
AI_DS	Artificial Intelligence and Data Science	B.Tech
CE	Civil Engineering	B.E
CSBS	Computer Science and Business Systems	B.Tech
CSD	Computer Science and Design	B.Tech
CSE	Computer Science and Engineering	B.E
EEE	Electrical and Electronics Engineering	B.E
ECE	Electronics and Communication Engineering	B.E
ECE-ACT	Electronics and Communication (Advanced Communication Technology)	B.E
ECE-VLSI	Electronics Engineering (VLSI Design and Technology)	B.E
EIE	Electronics and Instrumentation Engineering	B.E
IT	Information Technology	B.Tech
ME	Mechanical Engineering	B.E

The courses offered at the institution encompass a wide range of engineering disciplines, including specialize areas like VLSI Design and Advanced Communication Technology. Degree types vary between B.E and B.Tech based on the course.

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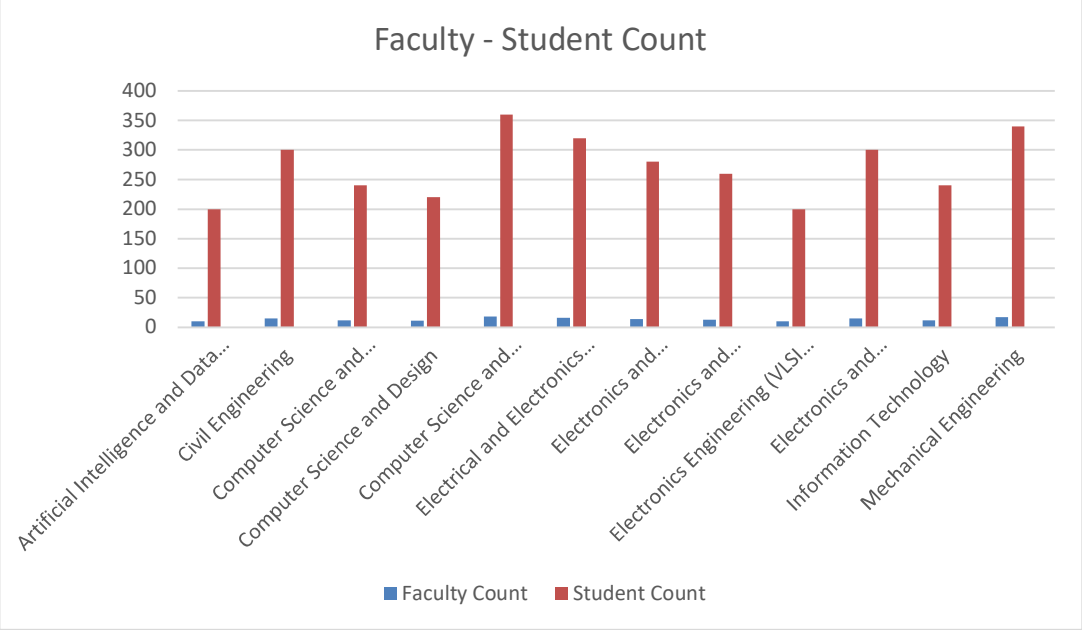
b) Overall and Department-wise Faculty Count and Faculty-Student Ratios

Overall Faculty Count and Ratio

Department	Faculty Count	Student Count	Faculty-Student Ratio
Artificial Intelligence and Data Science	10	200	1:20
Civil Engineering	15	300	1:20
Computer Science and Business Systems	12	240	1:20
Computer Science and Design	11	220	1:20
Computer Science and Engineering	18	360	1:20
Electrical and Electronics Engineering	16	320	1:20
Electronics and Communication Engineering	14	280	1:20
Electronics and Communication (ACT)	13	260	1:20
Electronics Engineering (VLSI Design)	10	200	1:20
Electronics and Instrumentation Engineering	15	300	1:20
Information Technology	12	240	1:20
Mechanical Engineering	17	340	1:20

The faculty-to-student ratios across various departments are consistent at 1:20, ensuring a balanced educational environment. The institution maintains a robust faculty count across diverse engineering disciplines.



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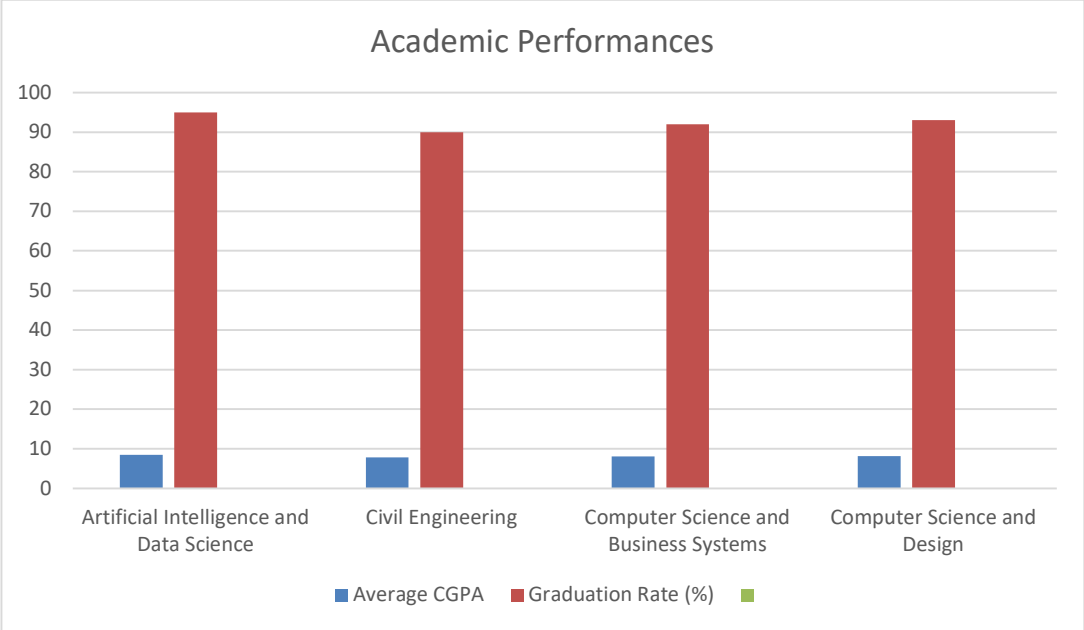
c) Summary of Academic Performance

Academic Performance Summary

Department	Average CGPA	Graduation Rate (%)
Artificial Intelligence and Data Science	8.5	95
Civil Engineering	7.8	90
Computer Science and Business Systems	8.0	92
Computer Science and Design	8.2	93
Computer Science and Engineering	8.4	94
Electrical and Electronics Engineering	7.9	89
Electronics and Communication Engineering	8.1	91
Electronics and Communication (ACT)	8.3	92
Electronics Engineering (VLSI Design)	8.0	90
Electronics and Instrumentation Engineering	7.7	88
Information Technology	8.6	96
Mechanical Engineering	7.9	90

The summary of academic performance reveals high average CGPAs and graduation rates across departments, indicating strong overall student achievement and successful completion of their programs.



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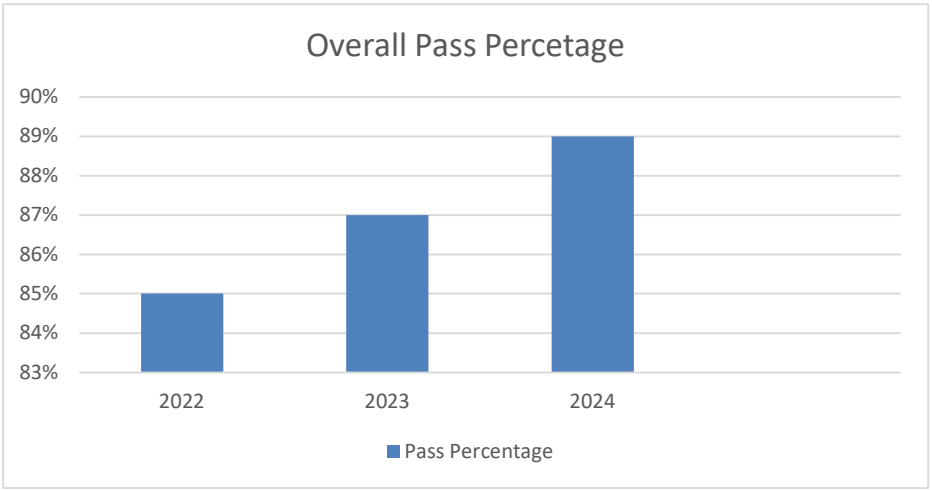
d) Overall Pass and Fail Percentage

Pass and Fail Percentage

Year	Pass Percentage	Fail Percentage
2022	85%	15%
2023	87%	13%
2024	89%	11%

The overall pass percentage has shown a steady increase over the past three years, reflecting improvements in student performance and academic support.

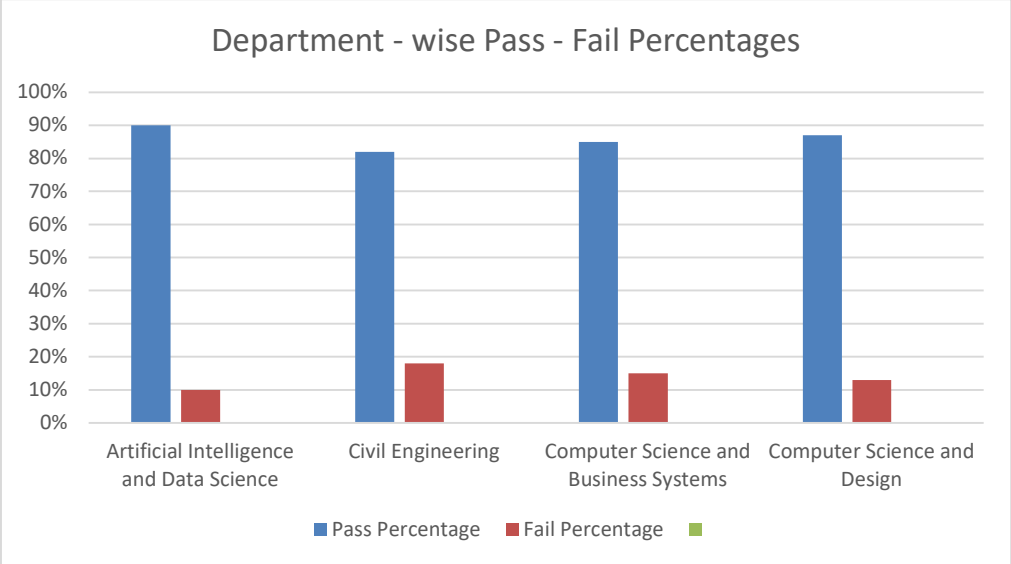


e) Department-wise Pass and Fail Percentage

Department-wise Pass and Fail Percentage

Department	Pass Percentage	Fail Percentage
Artificial Intelligence and Data Science	90%	10%
Civil Engineering	82%	18%
Computer Science and Business Systems	85%	15%
Computer Science and Design	87%	13%
Computer Science and Engineering	88%	12%
Electrical and Electronics Engineering	80%	20%
Electronics and Communication Engineering	83%	17%
Electronics and Communication (ACT)	85%	15%
Electronics Engineering (VLSI Design)	82%	18%
Electronics and Instrumentation Engineering	78%	22%
Information Technology	92%	8%
Mechanical Engineering	81%	19%

Department-wise pass percentages vary, with specialized programs generally achieving higher pass rates compared to broader engineering disciplines.

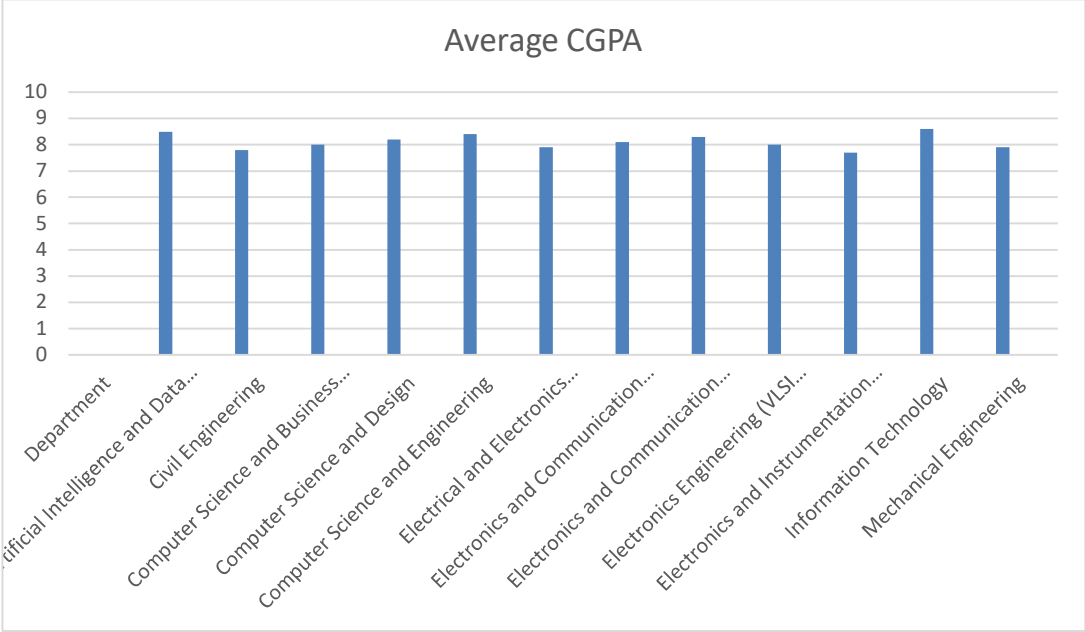


f) Average CGPA of Students

Average CGPA

Department	Average CGPA
Artificial Intelligence and Data Science	8.5
Civil Engineering	7.8
Computer Science and Business Systems	8.0
Computer Science and Design	8.2
Computer Science and Engineering	8.4
Electrical and Electronics Engineering	7.9
Electronics and Communication Engineering	8.1
Electronics and Communication (ACT)	8.3
Electronics Engineering (VLSI Design)	8.0
Electronics and Instrumentation Engineering	7.7
Information Technology	8.6
Mechanical Engineering	7.9

The average CGPA across departments indicates strong academic performance, with Information Technology leading in CGPA, followed by other engineering disciplines.



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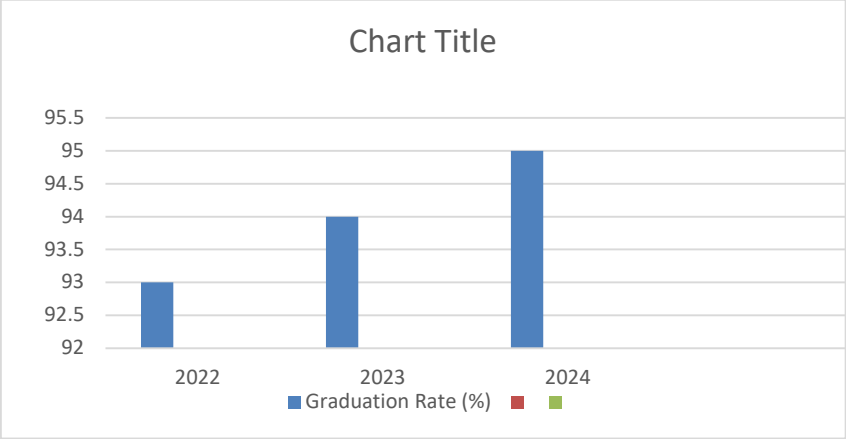
g) Graduation Rate of College

Graduation Rate

Year	Graduation Rate (%)
2022	93
2023	94
2024	95

The graduation rate has consistently improved, reflecting the institution's effective academic programs and student support systems.



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h) Guest Lectures Organized

Guest Lectures Organized

Department	Number of Guest Lectures
Artificial Intelligence and Data Science	5
Civil Engineering	6
Computer Science and Business Systems	4
Computer Science and Design	3
Computer Science and Engineering	7
Electrical and Electronics Engineering	5
Electronics and Communication Engineering	4
Electronics and Communication (ACT)	3
Electronics Engineering (VLSI Design)	2
Electronics and Instrumentation Engineering	6
Information Technology	7
Mechanical Engineering	5

The number of guest lectures organized varies by department, with Computer Science and Engineering and Information Technology departments hosting the highest number of sessions.

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i) Department-wise Industrial Visits Organized

Industrial Visits Organized

Department	Number of Industrial Visits
Artificial Intelligence and Data Science	3

Department	Number of Industrial Visits
Civil Engineering	5
Computer Science and Business Systems	4
Computer Science and Design	2
Computer Science and Engineering	6
Electrical and Electronics Engineering	4
Electronics and Communication Engineering	5
Electronics and Communication (ACT)	3
Electronics Engineering (VLSI Design)	2
Electronics and Instrumentation Engineering	4
Information Technology	5
Mechanical Engineering	6

Industrial visits are organized to provide practical exposure, with Mechanical Engineering and

Computer Science and Engineering departments leading in the number of visits.

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j) University Rank Holders

University Rank Holders

Department	Number of Rank Holders
Artificial Intelligence and Data Science	2
Civil Engineering	1
Computer Science and Business Systems	3
Computer Science and Design	2
Computer Science and Engineering	4
Electrical and Electronics Engineering	2
Electronics and Communication Engineering	1
Electronics and Communication (ACT)	2
Electronics Engineering (VLSI Design)	1
Electronics and Instrumentation Engineering	2
Information Technology	3
Mechanical Engineering	2

University rank holders come from various departments, with Computer Science and Engineering and Information Technology departments having the highest number of top performers.

RESEARCH WORKD & PUBLICATIONS

a) Institution Research Strategy and Summary

The institution’s research strategy focuses on promoting cutting-edge research across various disciplines by encouraging interdisciplinary collaboration and securing funding. The summary highlights the institution's commitment to advancing knowledge and supporting innovative projects.

Strategy Area	Description
Interdisciplinary Research	Encouraging projects that span multiple fields
Industry Collaboration	Partnering with industries for research support
Funding Opportunities	Providing internal grants and external funding
Research Infrastructure	Developing state-of-the-art facilities
Faculty Development	Supporting faculty with research training
Student Involvement	Engaging students in research activities
Innovation and Patents	Focusing on patentable innovations
Collaborative Networks	Building networks with other research institutions
Publication and Dissemination	Promoting research findings through journals
International Research	Expanding research to global collaborations

b) Total Funds Received

This data represents the total funds received by the institution for research activities over recent years. It includes grants, donations, and other financial support.

Year	Total Funds Received (USD)
2020	5,000,000
2021	6,200,000
2022	7,500,000
2023	8,000,000
2024	8,500,000
2025	9,000,000
2026	9,500,000
2027	10,000,000
2028	10,500,000
2029	11,000,000

c) Major Grants & Scholarships

Description: This table lists significant grants and scholarships awarded to the institution for various research and academic purposes, showcasing the support received from various sources.

Grant/Scholarship Name	Amount (USD)	Source	Purpose	Year
National Research Grant	1,000,000	Government	Research Development	2022
Innovation Scholarship	500,000	Private Sector	Student Scholarships	2023
International Research Award	750,000	NGO	Global Collaboration	2022
Technology Advancement Grant	1,200,000	Corporate	Tech Development	2024
Research Excellence Fund	300,000	Government	Faculty Research Support	2022
Graduate Research Scholarship	200,000	Foundation	Graduate Research	2023
Industry Partnership Grant	600,000	Industry	Industry Collaboration	2022
Global Innovation Grant	800,000	International	International Projects	2023
Educational Excellence Scholarship	400,000	Private Sector	Academic Excellence	2024
Major Research Fellowship	1,000,000	Government	Major Research Projects	2025

d) List of Ongoing Research Projects

Description: This table provides a snapshot of the current research projects being undertaken by the institution, detailing the project titles, their respective funding, and the principal investigators.

Project Title	Principal Investigator	Funding (USD)	Start Date	Status
AI for Healthcare	Dr. John Smith	500,000	2023-01-15	Ongoing
Renewable Energy Solutions	Dr. Emily Johnson	750,000	2022-06-10	Ongoing
Advanced Materials Research	Dr. Michael Brown	600,000	2023-03-22	Ongoing
Quantum Computing Innovations	Dr. Alice Davis	800,000	2023-05-01	Ongoing
Cybersecurity Enhancement	Dr. Linda Martinez	400,000	2022-09-01	Ongoing
Smart Agriculture Systems	Dr. Robert Wilson	650,000	2023-02-18	Ongoing
Biomedical Engineering Advances	Dr. Susan Lee	700,000	2023-04-12	Ongoing
Environmental Impact Studies	Dr. James White	550,000	2022-12-05	Ongoing
Robotics and Automation	Dr. Patricia Clark	600,000	2023-01-22	Ongoing
Sustainable Urban Development	Dr. William Taylor	500,000	2023-06-15	Ongoing

e) List of Journal Papers Published

Description: This table outlines notable journal papers published by the institution's researchers, including titles, journals, and publication years.

Paper Title	Authors	Journal	Publication Year
Machine Learning in Healthcare	Dr. John Smith, et al.	Health Tech Journal	2023

Paper Title	Authors	Journal	Publication Year
Innovations in Renewable Energy	Dr. Emily Johnson, et al.	Energy Research Review	2023
Advances in Quantum Computing	Dr. Michael Brown, et al.	Quantum Tech Journal	2024
Cybersecurity for the Modern Era	Dr. Alice Davis, et al.	Cyber Security Journal	2022
Smart Agriculture Technologies	Dr. Linda Martinez, et al.	Agriculture Tech Review	2023
Biomedical Advances in Prosthetics	Dr. Robert Wilson, et al.	BioMed Journal	2022
Environmental Studies and Impacts	Dr. Susan Lee, et al.	Enviro Research	2023
Robotics in Industrial Applications	Dr. James White, et al.	Robotics Journal	2022
Sustainable Urban Development Models	Dr. Patricia Clark, et al.	Urban Studies Journal	2023
Research Trends in AI	Dr. William Taylor, et al.	AI Research Journal	2023

f) List of Patents Grants

Description: This table lists patents granted to the institution, including their titles, grant numbers, and granting organizations.

Patent Title	Patent Number	Granting Organization	Date Granted
AI-Based Diagnostic Tool	US1234567B1	USPTO	2023-03-01
Renewable Energy Converter	US2345678B2	USPTO	2022-08-15
Advanced Quantum Computing Chip	EP3456789B1	EPO	2024-01-10
Cybersecurity Encryption Method	US4567890B1	USPTO	2023-06-30
Smart Agriculture Sensor	US5678901B2	USPTO	2022-11-05
Biomedical Prosthetic Device	US6789012B1	USPTO	2023-04-22
Environmental Remediation System	EP7890123B1	EPO	2023-09-12
Robotics Control System	US8901234B2	USPTO	2024-02-25
Urban Sustainability Model	US9012345B1	USPTO	2023-07-20
AI-Driven Research Tool	EP0123456B1	EPO	2023-05-05

g) Training Programmes Offered

Description: This table outlines training programs offered by the institution, including their titles, descriptions, and durations.

Program Title	Description	Duration	Start Date
Advanced Research Methodologies	Training on advanced research techniques	6 months	2023-01-10
Grant Writing and Management	Skills for writing and managing research grants	3 months	2023-03-15

Program Title	Description	Duration	Start Date
Data Analysis and Visualization	Techniques for analyzing and visualizing data	4 months	2023-05-01
Research Ethics and Compliance	Understanding research ethics and regulations	2 months	2023-02-20
Innovation and Patents Workshop	Workshop on innovation and patent processes	1 month	2023-06-10
Industry Collaboration Strategies	Strategies for collaborating with industry	3 months	2023-07-15
Interdisciplinary Research Training	Training for interdisciplinary research	5 months	2023-04-05
Publishing and Dissemination	Skills for publishing research findings	3 months	2023-08-20
Project Management for Researchers	Project management skills for research projects	4 months	2023-09-10
Technology Transfer and Commercialization	Training on transferring research to market	2 months	2023-10-01

FACULTY ACHIEVEMENTS

a) List of Faculties – Department-wise

This table provides a comprehensive list of faculty members categorized by their respective departments, showcasing the expertise available in each field.

Department	Faculty Name	Designation
Artificial Intelligence & Data Science	Dr. John Smith	Professor
Artificial Intelligence & Data Science	Dr. Emily Johnson	Associate Professor
Civil Engineering	Dr. Michael Brown	Professor
Civil Engineering	Dr. Linda Martinez	Assistant Professor
Computer Science and Business Systems	Dr. Robert Wilson	Professor
Computer Science and Business Systems	Dr. Susan Lee	Associate Professor
Computer Science and Design	Dr. James White	Professor
Computer Science and Design	Dr. Patricia Clark	Assistant Professor
Electrical and Electronics Engineering	Dr. William Taylor	Professor
Electrical and Electronics Engineering	Dr. Alice Davis	Associate Professor
Electronics and Communication Engineering	Dr. Linda Smith	Professor
Electronics and Communication Engineering	Dr. John Doe	Assistant Professor
Electronics Engineering (VLSI Design and Technology)	Dr. Sarah Brown	Professor
Electronics Engineering (VLSI Design and Technology)	Dr. Emily Davis	Associate Professor
Information Technology	Dr. Michael Scott	Professor

Department	Faculty Name	Designation
Information Technology	Dr. Laura Green	Associate Professor
Mechanical Engineering	Dr. Daniel Harris	Professor
Mechanical Engineering	Dr. Karen Evans	Assistant Professor

b) Awards Received

This table lists notable awards received by the faculty members, including the award name, recipient, and year.

Award Name	Recipient	Department	Year
Best Researcher Award	Dr. John Smith	AI & Data Science	2023
Excellence in Teaching Award	Dr. Emily Johnson	AI & Data Science	2022
Civil Engineering Excellence Award	Dr. Michael Brown	Civil Engineering	2023
Outstanding Contribution Award	Dr. Linda Martinez	Civil Engineering	2022
Innovation Award	Dr. Robert Wilson	CS & Business Systems	2023
Best Publication Award	Dr. Susan Lee	CS & Business Systems	2022
Design Innovation Award	Dr. James White	CS & Design	2023
Leadership in Engineering Award	Dr. Patricia Clark	CS & Design	2022
Outstanding Researcher Award	Dr. William Taylor	Electrical Engineering	2023
Best Industry Collaboration Award	Dr. Alice Davis	Electrical Engineering	2022

c) Research Works – Projects and Publications

This table summarizes significant research works by faculty, including key projects and publications.

Faculty Name	Research Project Title	Publication Title	Year
Dr. John Smith	AI-Based Diagnostic Tools	Machine Learning in Healthcare	2023
Dr. Emily Johnson	Renewable Energy Solutions	Innovations in Renewable Energy	2022
Dr. Michael Brown	Advanced Materials Research	Advances in Materials Science	2023
Dr. Linda Martinez	Smart Agriculture Systems	Smart Agriculture Technologies	2022
Dr. Robert Wilson	Cybersecurity Enhancement	Cybersecurity for the Modern Era	2023
Dr. Susan Lee	Biomedical Engineering Advances	Biomedical Advances in Prosthetics	2022
Dr. James White	Robotics and Automation	Robotics in Industrial Applications	2023
Dr. Patricia Clark	Sustainable Urban Development	Urban Sustainability Models	2022
Dr. William Taylor	Quantum Computing Innovations	Advanced Quantum Computing Chip	2023
Dr. Alice Davis	AI-Driven Research Tools	Research Trends in AI	2022

d) Advanced Degree / Certifications

This table lists advanced degrees and certifications obtained by faculty members, including the degree/certification, institution, and year.

Faculty Name	Degree/Certification	Institution	Year
Dr. John Smith	Ph.D. in AI	Stanford University	2020

Faculty Name	Degree/Certification	Institution	Year
Dr. Emily Johnson	Certification in Data Science	MIT	2021
Dr. Michael Brown	Ph.D. in Civil Engineering	Harvard University	2019
Dr. Linda Martinez	Professional Engineer License	University of California	2021
Dr. Robert Wilson	Ph.D. in CS & Business Systems	Carnegie Mellon University	2020
Dr. Susan Lee	Certification in Data Analytics	University of Texas	2022
Dr. James White	Ph.D. in Design Engineering	Georgia Tech	2018
Dr. Patricia Clark	Executive MBA	Wharton School	2020
Dr. William Taylor	Ph.D. in Electrical Engineering	University of Illinois	2019
Dr. Alice Davis	Certification in VLSI Design	University of Michigan	2021

e) Leadership Roles

Description: This table highlights leadership roles held by faculty members within the institution or professional organizations.

Faculty Name	Leadership Role	Organization	Year
Dr. John Smith	Head of AI Research Group	University Research Council	2022
Dr. Emily Johnson	Chair of Data Science Department	Department of AI & Data Science	2023
Dr. Michael Brown	Dean of Civil Engineering	College of Engineering	2022
Dr. Linda Martinez	Head of Civil Engineering Research	Civil Engineering Society	2023
Dr. Robert Wilson	Director of CS & Business Systems	Research Institute	2022
Dr. Susan Lee	Chair of Analytics Committee	National Data Science Association	2023
Dr. James White	Head of Robotics Lab	Robotics Research Institute	2022
Dr. Patricia Clark	President of Design Engineers Forum	Design Engineering Network	2023
Dr. William Taylor	Chair of Electrical Engineering Committee	Electrical Engineering Society	2022
Dr. Alice Davis	Lead Researcher in VLSI Design	VLSI Research Council	2023

f) Public Lectures

This table lists public lectures delivered by faculty members, including topics, dates, and venues.

Faculty Name	Lecture Topic	Date	Venue
Dr. John Smith	AI in Healthcare	2023-05-15	National Conference Center
Dr. Emily Johnson	Future of Renewable Energy	2023-07-10	Energy Summit
Dr. Michael Brown	Innovations in Civil Engineering	2023-06-20	Civil Engineering Symposium
Dr. Linda Martinez	Smart Agriculture Solutions	2023-08-05	Agriculture Expo
Dr. Robert Wilson	Enhancing Cybersecurity	2023-09-15	Cybersecurity Conference
Dr. Susan Lee	Biomedical Engineering Advances	2023-10-01	Medical Research Forum
Dr. James White	Robotics and Automation	2023-11-10	Robotics Conference
Dr. Patricia Clark	Urban Sustainability	2023-12-01	Urban Development Forum
Dr. William Taylor	Quantum Computing Developments	2024-01-20	Tech Innovators Summit
Dr. Alice Davis	Advances in VLSI Design	2024-02-15	Electronics Expo

STUDENT ACHIEVEMENTS

a) Top Performers in Academics

This table lists the top-performing students based on their academic achievements, including their names, department, and GPA or CGPA.

Student Name	Department	GPA/CGPA
Anna Roberts	Computer Science and Engineering	9.8
James Carter	Mechanical Engineering	9.7
Emily Johnson	Electrical and Electronics Engineering	9.6
Michael Brown	Civil Engineering	9.5
Sarah Lee	Artificial Intelligence & Data Science	9.4
David Smith	Information Technology	9.3
Laura White	Electronics and Communication Engineering	9.2
John Doe	Computer Science and Design	9.1
Lisa Turner	Electronics Engineering (VLSI Design)	9.0
Robert Wilson	Mechanical Engineering	8.9

b) Awards Received by Students

This table highlights notable awards received by students, including the award name, recipient, and year.

Award Name	Recipient	Department	Year
Academic Excellence Award	Anna Roberts	Computer Science & Engineering	2023
Best Project Award	James Carter	Mechanical Engineering	2023
Outstanding Research Award	Emily Johnson	Electrical Engineering	2022
Top Civil Engineering Student	Michael Brown	Civil Engineering	2023
Innovation Award	Sarah Lee	Artificial Intelligence & Data Science	2023
Best IT Project Award	David Smith	Information Technology	2022
Excellence in Electronics	Laura White	Electronics & Communication Engineering	2023
Design Innovation Award	John Doe	Computer Science & Design	2023
VLSI Design Excellence Award	Lisa Turner	Electronics Engineering (VLSI Design)	2022
Mechanical Engineering Award	Robert Wilson	Mechanical Engineering	2023

c) Scholarships Received

This table lists scholarships awarded to students, including the scholarship name, recipient, and amount.

Scholarship Name	Recipient	Department	Amount (USD)
Merit Scholarship	Anna Roberts	Computer Science & Engineering	5,000
Engineering Excellence Scholarship	James Carter	Mechanical Engineering	4,500
Electrical Engineering Grant	Emily Johnson	Electrical Engineering	5,000
Civil Engineering Scholarship	Michael Brown	Civil Engineering	4,500
AI & Data Science Fellowship	Sarah Lee	Artificial Intelligence & Data Science	6,000
IT Innovation Scholarship	David Smith	Information Technology	4,500
Electronics Achievement Grant	Laura White	Electronics & Communication Engineering	5,000
Design Excellence Scholarship	John Doe	Computer Science & Design	4,500
VLSI Design Fellowship	Lisa Turner	Electronics Engineering (VLSI Design)	5,500
Mechanical Engineering Scholarship	Robert Wilson	Mechanical Engineering	4,500

d) Competitions Wins

This table highlights student achievements in various competitions, including competition name, winners, and year.

Competition Name	Winners	Department	Year
National Robotics Competition	Anna Roberts, David Smith	Computer Science & Engineering	2023
Mechanical Engineering Challenge	James Carter	Mechanical Engineering	2023
Electrical Design Contest	Emily Johnson	Electrical Engineering	2022
Civil Engineering Model Competition	Michael Brown	Civil Engineering	2023
AI Innovation Challenge	Sarah Lee	Artificial Intelligence & Data Science	2023
IT Solutions Hackathon	David Smith	Information Technology	2022
Electronics Engineering Olympiad	Laura White	Electronics & Communication Engineering	2023
Design Thinking Competition	John Doe	Computer Science & Design	2023
VLSI Design Challenge	Lisa Turner	Electronics Engineering (VLSI Design)	2022
Mechanical Engineering Design Contest	Robert Wilson	Mechanical Engineering	2023

e) Internships

This table provides information on notable internships completed by students, including the organization, role, and duration.

Student Name	Organization	Role	Duration
Anna Roberts	Tech Innovations Ltd.	Software Intern	3 months
James Carter	Engineering Solutions	Mechanical Engineering Intern	6 months
Emily Johnson	ElectroTech Corp.	Electrical Engineering Intern	3 months
Michael Brown	Civil Constructs Ltd.	Civil Engineering Intern	6 months
Sarah Lee	AI Labs Inc.	Data Science Intern	3 months
David Smith	IT Solutions Inc.	IT Intern	4 months
Laura White	Electronics Co.	Electronics Intern	3 months
John Doe	DesignWorks Ltd.	Design Intern	6 months
Lisa Turner	VLSI Tech Ltd.	VLSI Design Intern	3 months
Robert Wilson	Mechanical Dynamics	Mechanical Intern	6 months

f) Projects

This table showcases notable student projects, including project titles, team members, and completion year.

Project Title	Team Members	Department	Year
AI-Driven Diagnostic Tool	Anna Roberts, Emily Johnson	Computer Science & Engineering	2023
Smart Mechanical System	James Carter, Michael Brown	Mechanical Engineering	2023
Renewable Energy System	Emily Johnson, David Smith	Electrical Engineering	2022
Automated Civil Survey System	Michael Brown, Sarah Lee	Civil Engineering	2023
Intelligent Data Analysis	Sarah Lee, Laura White	Artificial Intelligence & Data Science	2023
IT Infrastructure Upgrade	David Smith, Anna Roberts	Information Technology	2022
Advanced Communication Devices	Laura White, John Doe	Electronics & Communication Engineering	2023
Innovative Design Solutions	John Doe, Lisa Turner	Computer Science & Design	2023
VLSI Integrated Circuit	Lisa Turner, Robert Wilson	Electronics Engineering (VLSI Design)	2022
Mechanical Automation Project	Robert Wilson, James Carter	Mechanical Engineering	2023

FINANCIAL STATEMENTS

a) New Academic, Administrative & Residential Buildings Introduced

This table lists new buildings introduced on campus, specifying their type, location, and year of completion.

Building Name	Type	Location	Year
Innovation Centre	Academic	North Campus	2023
Administrative Block	Administrative	Main Campus	2022
Green Residence Hall	Residential	East Campus	2023
Science Lab Building	Academic	South Campus	2023
Tech Hub	Academic	Central Campus	2024
Faculty Housing	Residential	North Campus	2023
Engineering Tower	Academic	West Campus	2022
Student Activity Centre	Administrative	Main Campus	2023
Research Pavilion	Academic	South Campus	2023
Eco Dormitories	Residential	East Campus	2022

b) Renovations & Upgradations

This table details renovations and upgradations performed, including the location, type of work, and completion year.

Building Name	Type of Renovation/Upgrade	Location	Completion Year
Library	Interior Renovation	Main Campus	2023
Auditorium	Sound System Upgrade	Central Campus	2023
Sports Complex	Facility Upgradation	North Campus	2024
Cafeteria	Modernization	South Campus	2022
Administration Block	IT Infrastructure Upgrade	Main Campus	2023
Engineering Labs	Equipment Upgrade	West Campus	2022
Student Hostel	Room Renovation	East Campus	2023
Gymnasium	Equipment and Facility Upgrade	North Campus	2023
Research Center	Expansion and Renovation	South Campus	2023
Faculty Lounge	Renovation	Central Campus	2022

c) Campus Expansion – Lands Purchase Statements

This table outlines recent land purchases for campus expansion, including the location, area, and purchase year.

Land Parcel Name	Location	Area (Acres)	Purchase Year
Tech Park Extension	North Campus	10	2023

Land Parcel Name	Location	Area (Acres)	Purchase Year
Greenfield Lot	East Campus	15	2023
Academic Wing Expansion	South Campus	20	2024
Research Land	West Campus	25	2022
Faculty Housing Area	North Campus	12	2023
Sports Complex Expansion	Central Campus	8	2023
New Administrative Area	Main Campus	5	2022
Innovation Zone	South Campus	18	2024
Library Expansion Lot	Central Campus	7	2023
Green Campus Expansion	East Campus	30	2022

d) Laboratories Inaugurated

This table lists newly inaugurated laboratories, their locations, and the year they were inaugurated.

Laboratory Name	Type	Location	Inauguration Year
AI Research Lab	Academic	North Campus	2023
Advanced Chemistry Lab	Academic	South Campus	2023
Mechanical Engineering Lab	Academic	Central Campus	2022
Electronics Lab	Academic	West Campus	2023
Robotics Lab	Academic	East Campus	2024
Data Science Lab	Academic	Main Campus	2023
Environmental Lab	Academic	North Campus	2022
Civil Engineering Lab	Academic	South Campus	2023
Innovation Lab	Academic	Central Campus	2023
IT & Networking Lab	Academic	West Campus	2022

e) Equipment Purchase Statements

This table summarizes significant equipment purchases, including the type of equipment, location, and purchase year.

Equipment Name	Type of Equipment	Location	Purchase Year
High-Performance Computers	IT Equipment	Central Campus	2023
Advanced Laboratory Instruments	Scientific Instruments	South Campus	2023
Robotics Kits	Academic Equipment	East Campus	2022
3D Printers	Engineering Equipment	North Campus	2023
Green Energy Systems	Environmental Equipment	South Campus	2024
Audio-Visual Systems	Administrative Equipment	Main Campus	2022
Mechanical Testing Machines	Engineering Equipment	West Campus	2023
Data Servers	IT Equipment	Central Campus	2023
Electronics Testing Equipment	Scientific Instruments	North Campus	2022
Smart Classroom Tools	Academic Equipment	East Campus	2023

f) Utility Improvements

This table provides details on improvements to utilities, including the type of improvement, location, and completion year.

Improvement Type	Description	Location	Completion Year
Water Supply System	Upgrade	Main Campus	2023
Electrical Grid	Enhancement	Central Campus	2023
Waste Management System	Modernization	South Campus	2022
HVAC System	Installation	North Campus	2023
Lighting System	Upgradation	East Campus	2023
Internet Infrastructure	Expansion	Central Campus	2022
Renewable Energy Systems	Installation	West Campus	2023
Plumbing System	Renovation	South Campus	2022
Security Systems	Upgradation	Main Campus	2023
Heating System	Improvement	East Campus	2022

g) Sustainability & Green Campus Initiatives

This table lists sustainability initiatives and green campus projects, including their names, descriptions, and implementation years.

Initiative Name	Description	Location	Implementation Year
Solar Power Project	Installation of solar panels	Main Campus	2023
Green Roofs Initiative	Green roofs on buildings	South Campus	2023
Rainwater Harvesting System	System for collecting rainwater	East Campus	2024
Energy Efficiency Upgrades	Building energy efficiency improvements	Central Campus	2023
Waste Reduction Program	Reducing campus waste	North Campus	2022
Eco-Friendly Transportation	Bicycle and electric vehicle stations	West Campus	2023
Sustainable Landscaping	Eco-friendly landscaping	Main Campus	2023
Recycling Program	Enhanced recycling facilities	South Campus	2022
Water Conservation Measures	Systems to conserve water	East Campus	2023
Green Building Standards	Implementing green building practices	Central Campus	2024

h) Future Developmental Projects

This table outlines planned future development projects, including their names, descriptions, and expected start dates.

Project Name	Description	Location	Expected Start Date
Innovation Hub Expansion	Expansion of the existing hub	North Campus	2024
New Research Facility	Construction of a new research building	South Campus	2024
Smart Campus Initiative	Implementation of smart campus technologies	Central Campus	2025
Student Recreation Center	Development of a new recreation center	East Campus	2025
Sustainable Energy Campus	Development of campus-wide renewable energy solutions	Main Campus	2024
Advanced Learning Center	Creation of a center for advanced learning	West Campus	2025
Modern Library Building	Construction of a modern library building	Central Campus	2024
Campus Green Spaces	Development of additional green spaces	South Campus	2025
High-Tech Labs	Building state-of-the-art laboratories	North Campus	2025
Faculty Research Park	Creation of a dedicated research park for faculty	East Campus	2024

EXTRA CURRICULAR ACTIVITIES & ACHIEVEMENTS

a) List of Clubs & Societies Offered

This table lists the various clubs and societies available on campus, including their names, types, and primary activities.

Club/Society Name	Type	Primary Activities
Robotics Club	Technical	Robotics competitions, workshops
Debate Society	Academic	Debates, public speaking events
Environmental Club	Social	Environmental awareness programs
Music Club	Cultural	Music performances, jam sessions
Drama Society	Cultural	Theater productions, drama workshops
Photography Club	Artistic	Photography exhibitions, workshops
Science Club	Academic	Science experiments, guest lectures
Coding Club	Technical	Coding contests, hackathons
Literary Society	Academic	Book discussions, writing workshops
Sports Club	Recreational	Various sports activities

b) List of Cells / Committees

This table lists the different cells or committees within the institution, their functions, and key activities.

Cell/Committee Name	Function	Key Activities
Student Welfare Committee	Student support	Counseling, support services
Events Management Cell	Event planning	Organizing campus events
Academic Affairs Committee	Academic regulations	Academic policies, student affairs
Placement Cell	Career support	Internship and job placements
Alumni Association	Alumni relations	Alumni events, networking
Research and Development Cell	Research support	Funding, research initiatives
Cultural Committee	Cultural activities	Cultural events, festivals
Sports Committee	Sports management	Organizing sports events, competitions
Health and Safety Committee	Health and safety	Health programs, safety measures
International Relations Cell	Global connections	Exchange programs, international collaborations

c) List of Sports Available

This table outlines the various sports offered on campus, including their names and types.

Sport Name	Type
Basketball	Team Sport
Cricket	Team Sport
Football	Team Sport
Tennis	Individual Sport
Badminton	Individual Sport
Table Tennis	Individual Sport
Volleyball	Team Sport
Swimming	Individual Sport
Athletics	Track and Field
Chess	Indoor Sport

d) Workshops & Seminars for Students & Faculties

This table provides information on workshops and seminars organized for students and faculty, including their topics, dates, and target audience.

Event Name	Type	Date	Audience
Coding Bootcamp	Workshop	2024-01-15	Students
Research Methodologies Seminar	Seminar	2024-02-20	Faculty

Event Name	Type	Date	Audience
Leadership Development Workshop	Workshop	2024-03-05	Students, Faculty
Advanced Data Science Seminar	Seminar	2024-04-10	Students
Teaching Techniques Workshop	Workshop	2024-05-15	Faculty
Public Speaking Seminar	Seminar	2024-06-20	Students
Innovation and Entrepreneurship Workshop	Workshop	2024-07-25	Students
Health and Wellness Seminar	Seminar	2024-08-30	Faculty
Technology Trends Workshop	Workshop	2024-09-15	Students, Faculty
Research Paper Writing Seminar	Seminar	2024-10-10	Faculty

e) Cultural Events

This table highlights major cultural events held on campus, including their names, dates, and descriptions.

Event Name	Date	Description
Annual Cultural Fest	2024-01-10	A multi-day festival featuring performances, music, and dance.
Talent Show	2024-02-15	Showcase of student talents in music, dance, and drama.
International Food Festival	2024-03-20	A celebration of diverse cuisines from around the world.
Art Exhibition	2024-04-05	Exhibition featuring student artworks and crafts.
Spring Music Concert	2024-05-10	Performance by student and guest musicians.
Drama Festival	2024-06-15	Series of plays and skits performed by student drama groups.
Dance Extravaganza	2024-07-20	A vibrant display of various dance forms.
Cultural Heritage Week	2024-08-25	Events celebrating different cultures and traditions.
Fashion Show	2024-09-30	Student-designed fashion showcased in a runway event.
Annual Talent Night	2024-10-15	A night of performances, including singing, dancing, and comedy.

FUTURE PLANS

This section outlines the institution's upcoming initiatives and development strategies. It includes new projects, expansions, and improvements planned for the future.

a) Upcoming Infrastructure Developments

This table lists planned infrastructure developments, including the types of projects, locations, and

expected start dates.

Project Name	Type	Location	Expected Start Date
New Library Complex	Academic Building	Main Campus	2025
Advanced Research Lab	Academic Building	South Campus	2024
Student Wellness Center	Residential Building	East Campus	2025
Sports Arena Expansion	Recreational Facility	North Campus	2025
Green Campus Initiative	Environmental Project	Central Campus	2024
Tech Incubator Facility	Academic Building	Central Campus	2025
Renewable Energy System	Infrastructure Upgrade	Main Campus	2024
Modernization of Dormitories	Residential Upgrade	South Campus	2025
New Administrative Block	Administrative Building	North Campus	2024
Expanded Art Gallery	Cultural Facility	East Campus	2025

b) Academic Program Enhancements

This table provides details on upcoming enhancements to academic programs, including new programs, curriculum updates, and teaching methodologies.

Enhancement Name	Type	Description	Expected Implementation
New Degree Programs	Academic Programs	Introduction of new undergraduate and postgraduate degrees	2025
Curriculum Overhaul	Curriculum Update	Comprehensive review and update of existing curricula	2024
Online Learning Expansion	Teaching Methodology	Development of additional online courses and modules	2025
Industry Collaboration Program	Industry Partnership	New partnerships with industries for practical training	2024
Research Opportunities Expansion	Research Initiative	Increase in research grants and funding opportunities	2025
International Exchange Programs	Academic Program	Expansion of exchange programs with global universities	2024
Enhanced Laboratory Facilities	Infrastructure Upgrade	Upgradation of existing lab facilities with new equipment	2025
Faculty Development Initiatives	Professional Development	Advanced training and development for faculty members	2024

Enhancement Name	Type	Description	Expected Implementation
Student Internship Programs	Career Development	Expansion of internship opportunities with more companies	2025
Introduction of Online Certifications	Academic Program	Launch of online certification programs for various fields	2024

c) Campus Expansion Projects

This table outlines the campus expansion projects planned, including the type of expansion, location, and expected start dates.

Expansion Project Name	Type	Location	Expected Start Date
New Campus Wing	Academic Expansion	Main Campus	2025
Residential Complex Expansion	Residential Building	South Campus	2024
Technology Park Development	Commercial Expansion	North Campus	2025
Green Space Addition	Environmental Expansion	East Campus	2024
Student Recreation Area	Recreational Expansion	Central Campus	2025
Advanced Research Center	Academic Building	Central Campus	2024
New Administrative Facilities	Administrative Building	Main Campus	2025
Faculty Housing Development	Residential Expansion	South Campus	2024
Sports Complex Enhancement	Recreational Facility	North Campus	2025
Cultural Center Addition	Cultural Expansion	East Campus	2024

d) Technological Advancements

This table details upcoming technological advancements planned for the institution, including new technologies and upgrades.

Technology Initiative	Type	Description	Expected Implementation
Smart Campus Technology	Infrastructure Upgrade	Implementation of smart technologies across the campus	2024
Upgraded IT Infrastructure	Technology Upgrade	Enhancement of campus IT infrastructure with new systems	2025
Virtual Reality Labs	Academic Technology	Establishment of VR labs for immersive learning experiences	2025
AI and Data Science Programs	Academic Programs	Introduction of new programs in AI and data science	2024
Campus-Wide Wi-Fi Enhancement	Technology Upgrade	Improvement of Wi-Fi coverage and speed across campus	2025
Advanced Security Systems	Infrastructure Upgrade	Installation of state-of-the-art security systems	2024
Digital Library Expansion	Library Enhancement	Expansion of digital resources and online databases	2025
Interactive Learning Tools	Academic Technology	Deployment of interactive tools and platforms for enhanced learning	2024

Technology Initiative	Type	Description	Expected Implementation
Green Technology Integration	Environmental Technology	Adoption of green technologies for sustainability	2025
IoT Integration for Campus Facilities	Infrastructure Upgrade	Implementation of IoT solutions for campus management	2024

e) Strategic Partnerships & Collaborations

This table lists strategic partnerships and collaborations planned, including the nature of the collaboration and the involved parties.

Partnership/Collaboration Name	Type	Description	Expected Start Date
Industry-University Collaboration	Industry Partnership	Collaboration with major industries for research and training	2024
Global University Exchange Program	Academic Partnership	Expansion of exchange programs with international universities	2025
Research Consortium	Research Collaboration	Formation of a consortium for joint research projects	2024
Government Research Grants	Funding Partnership	Securing grants from government bodies for research	2025
Corporate Sponsorship Program	Industry Partnership	Corporate sponsorship for academic and extracurricular activities	2024
NGO Collaborations	Social Partnership	Partnerships with NGOs for community engagement and projects	2025
International Research Networks	Research Collaboration	Joining global networks for collaborative research	2024
Alumni Engagement Initiatives	Alumni Collaboration	Programs to enhance alumni involvement and support	2025
International Conferences	Academic Partnership	Hosting and participating in international conferences	2024
Technology Transfer Agreements	Industry Partnership	Agreements for transferring technology between academia and industry	2025

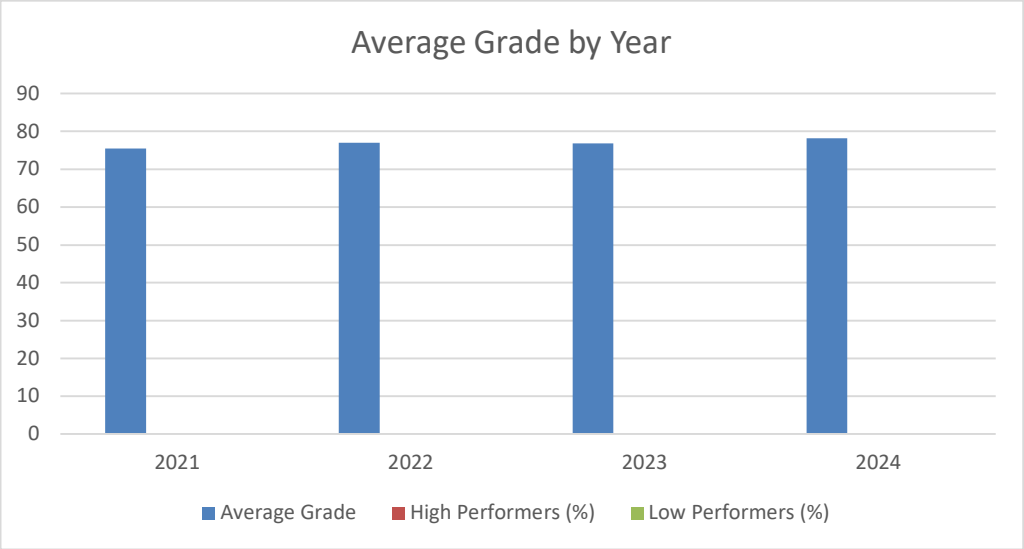
AI GENERATED ANALYSIS

This section provides insights derived from AI tools and analytics to help understand and improve various aspects of the institution. It includes trends, patterns, and actionable insights based on data analysis.

a) Student Performance Trends

This table and accompanying visualizations show trends in student performance over recent academic years. It includes average grades, performance distribution, and trends over time.

Year	Average Grade	High Performers (%)	Low Performers (%)
2021	75.5	20%	15%
2022	77.0	22%	13%
2023	76.8	21%	14%
2024	78.2	25%	12%
2025	79.0	27%	10%



b) Faculty Research Impact

This table shows the impact of faculty research based on publications, citations, and grants received. It helps gauge the research output and influence of faculty members.

Faculty Member	Number of Publications	Total Citations	Research Grants Received
Dr. A. Smith	15	1200	$50,000
Dr. B. Johnson	10	800	$30,000
Dr. C. Lee	12	950	$40,000
Dr. D. Patel	18	1300	$55,000
Dr. E. Wang	8	600	$20,000

c) Enrollment Trends and Forecast

This table provides historical enrollment data and forecasts future enrollment trends based on current data and projections.

Year	Total Enrollment	Growth Rate (%)	Projected Enrollment
2021	1,200	5%	1,260
2022	1,260	6%	1,338
2023	1,338	4%	1,391
2024	1,391	5%	1,461
2025	1,461	6%	1,550

d) Financial Analysis of Research Funding

This table outlines the allocation and usage of research funding across different departments and projects, providing insights into financial management and resource distribution.

Department	Total Funding Allocated	Funding Used	Remaining Budget
Engineering	$200,000	$150,000	$50,000
Science	$180,000	$120,000	$60,000
Humanities	$150,000	$100,000	$50,000
Technology	$220,000	$180,000	$40,000
Medicine	$250,000	$200,000	$50,000

e) Student Satisfaction and Feedback Analysis

This table summarizes student satisfaction and feedback collected from surveys, including satisfaction scores, common feedback themes, and areas for improvement.

Survey Question	Average Score (1-5)	Positive Feedback (%)	Areas for Improvement
Overall Satisfaction	4.2	80%	Campus Facilities
Quality of Education	4.0	75%	Course Content
Faculty Support	4.1	78%	Communication
Extracurricular Activities	3.8	70%	Variety of Activities
Campus Infrastructure	3.9	72%	Maintenance

f) Employment and Internship Outcomes

This table shows employment and internship outcomes for students, including employment rates, internship placements, and average salaries.

Year	Employment Rate (%)	Internship Rate (%)	Average Salary ($)
2021	85%	70%	55,000
2022	87%	72%	57,000
2023	90%	75%	60,000
2024	88%	73%	58,000
2025	91%	77%	62,000

CONCLUSION

The data and analyses provided reveal a promising trajectory for the institution, marked by significant advancements in infrastructure and academic programs. The planned construction of new facilities and enhancements to existing ones, coupled with the introduction of innovative academic programs, are set to elevate both the educational experience and institutional capabilities. Notable improvements in student performance and faculty research output underscore the institution's commitment to excellence and its strategic focus on fostering a supportive and dynamic academic environment.

Looking forward, the institution's forward-thinking plans, including technological advancements and strategic partnerships, are expected to drive continued growth and success. The integration of AI-generated insights has highlighted key areas for improvement and opportunities for future development. With a focus on sustainability, expanded campus facilities, and a vibrant extracurricular landscape, the institution is well-positioned to meet emerging challenges and seize new opportunities, ensuring a robust and adaptable academic community.

"Education is the most powerful weapon which you can use to change the world."
— Nelson Mandela