



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

SCHOOL OF ENGINEERING AND TECHNOLOGY

Cordially Welcomes



NAAC PEER TEAM

16-18 JUNE, 2025

School of Engineering & Technology

Presentation Outline

School Overview (1)	Curricular Aspects (2)	Teaching-learning & Evaluation (3)
Research , Innovations & Facilities (4)	Infrastructure & Learning Resources (5).	Student Support & Progression (6)
Initiatives & Continuous Improvement (7)	Best Practices & Distinctiveness (8)	A 5-Year Strategic Roadmap & Conclusion (9)

School Vision & Mission



Vision:

To excel in scientific and technical education with integrated **teaching-learning, research, and innovation.**

Mission:

- ❖ Creating a **unique and innovative learning** experience to enhance quality in the domain of Engineering & Technology.
- ❖ Promoting **Curricular, Co-curricular** and **Extracurricular** activities that support overall personality development and lifelong learning, emphasizing character building and ethical behavior.
- ❖ Focusing on **Employability** through **research, innovation** and **entrepreneurial** mindset development.
- ❖ Enhancing **collaborations** with National and International organizations and institutions to develop cross-cultural understanding to adapt and thrive in the 21st century.

UG PROGRAMS

1. Bachelor of Technology - **Computer Science & Engineering**
2. Bachelor of Technology - Computer Science & Engineering (**Artificial Intelligence & Machine Learning**) : **IBM & Samatrix**
3. Bachelor of Technology - Computer Science & Engineering (**Cyber Security**) : **EC Council**
4. Bachelor of Technology - Computer Science & Engineering (**Data Science**) : **IBM**
5. Bachelor of Technology - Computer Science & Engineering (**UX OR UI**) : **Imagine XP**
6. Bachelor of Technology - Computer Science & Engineering (**Full Stack Development**): **Xebia**
7. Bachelor of Computer Applications - (**Artificial Intelligence & Data Science**): **IBM & Samatrix**
8. Bachelor of Science (Hons) - **Computer Science/Cyber Security/Data Science**

PG PROGRAMS

- Master of Computer Applications (MCA)
- M.Tech in Computer Science & Engineering

Ph.D. PROGRAM (Engineering)

[Program Structure 2024-25](#)

[Ph.D Details](#)

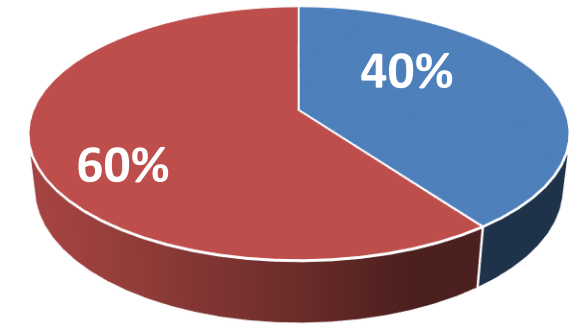
[Program Evolution](#)

[Sanctioned Seats](#)

Faculty-The Intellectual Capital

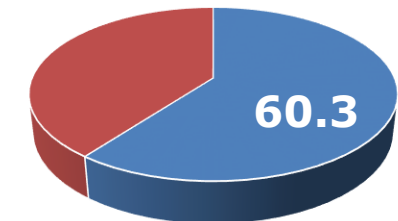


Gender Ratio

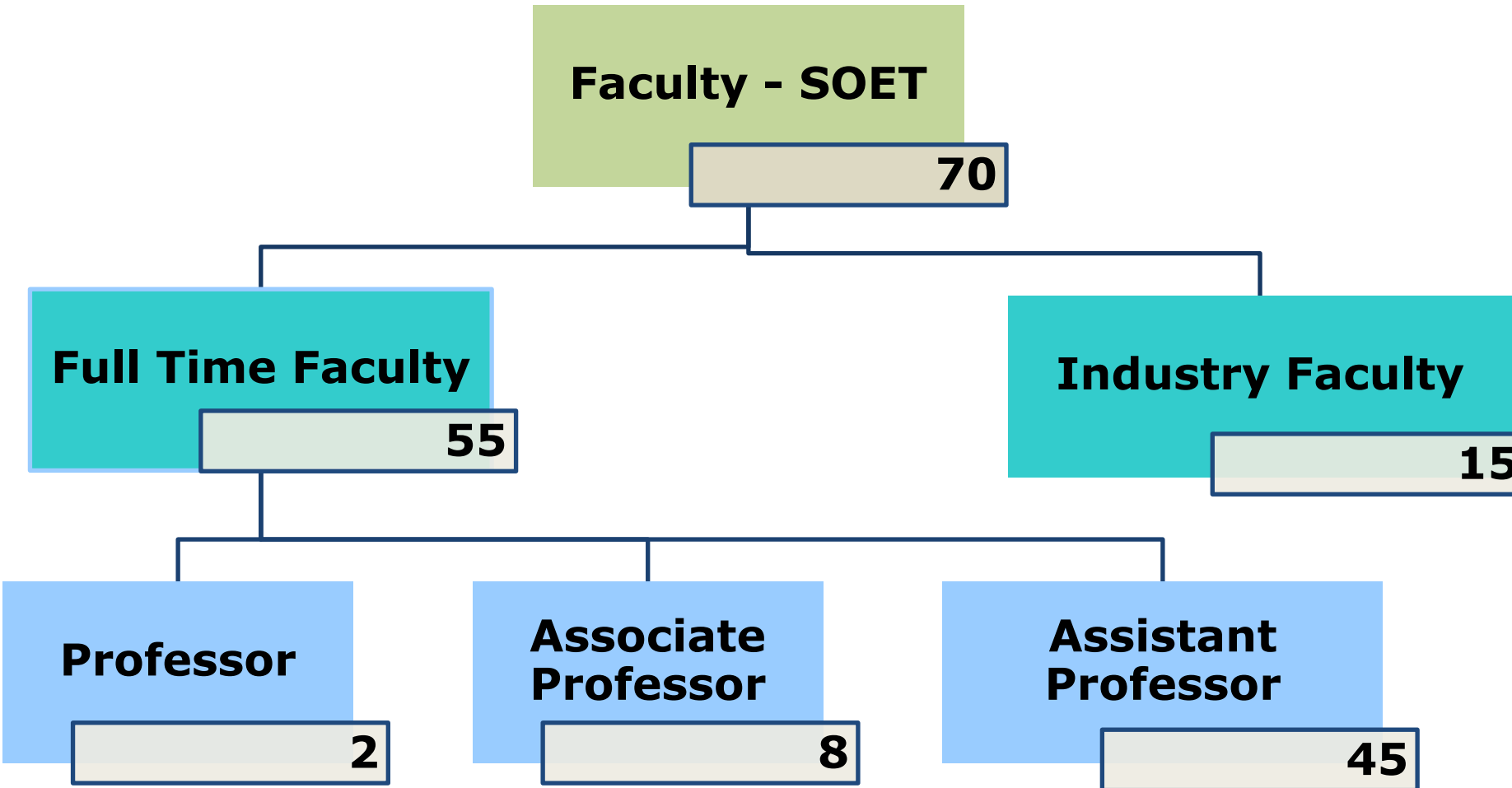


■ Male ■ Female

Ph.D. Faculty



■ Ph.Ds ■ M.Tech

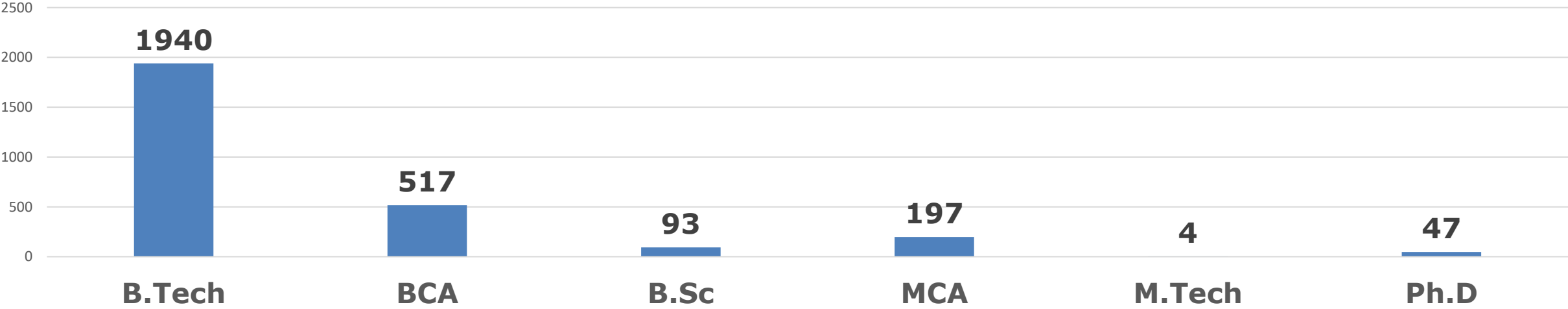


Student's Profile

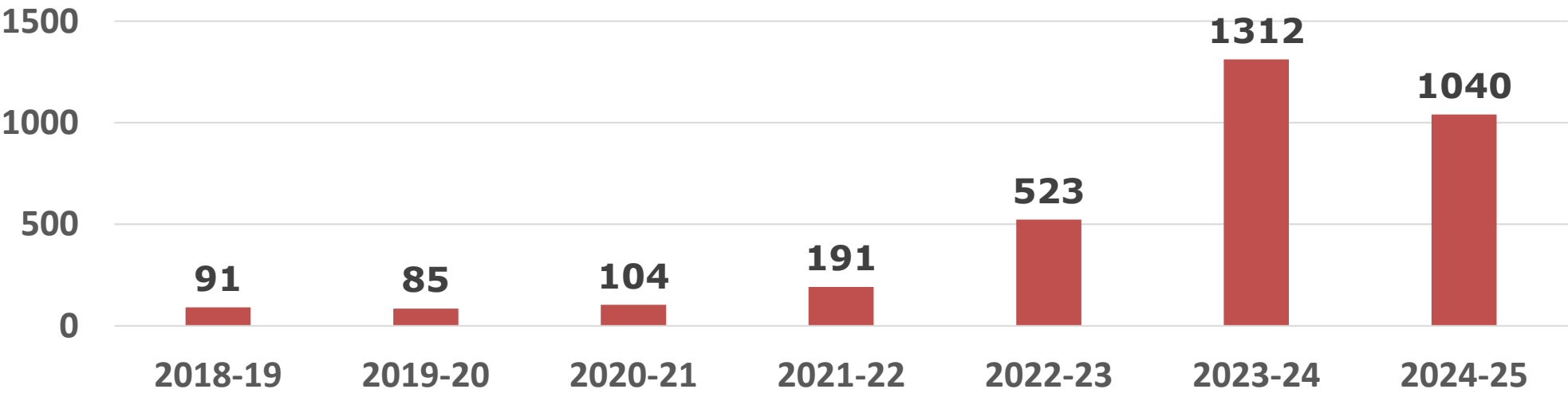


Current Student Status

Total Students: 2798



Student Admission Progression



Sanctioned Intake

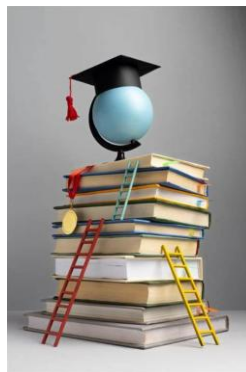
Student Diversity

Teacher-Student Ratio

Scholarship

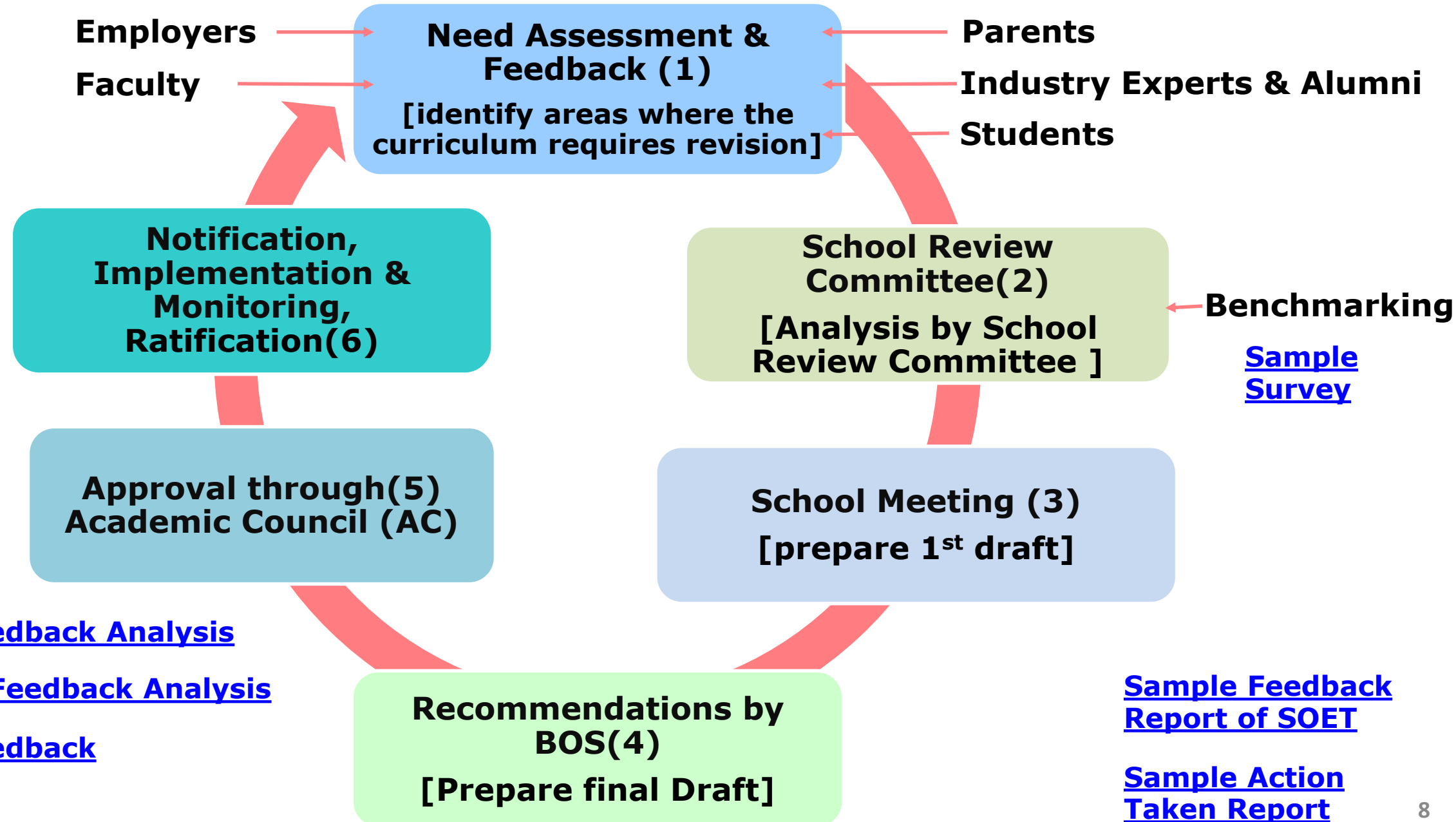
School of Engineering & Technology

Curricular Aspects (Assessment Period)



"Curriculum should teach students how to think, not what to think." – Margaret Mead

Curriculum Design & Development Process



Relevance to Local, Regional, National & Global Development in Curriculum

- Curriculum are mapped with aspects including **Local, Regional, National & Global Development**. [SAMPLE MAPPING](#)
- These aspects are reflected in [Program Outcomes](#), [Course Outcomes](#).
- Majority Courses caters to Global needs.
- Examples of Courses catering Local & Regional Needs:
 - Entrepreneurship Development
 - Workshop Practices
 - Minor /Major Projects/Summer Internships/Practical Training I, II, III
 - Community Service
 - Disaster Management/Renewable Energy Systems/Environmental pollution & control
 - Web Technologies
 - Data Analysis and Data Visualization
 - Practical Robotics and UAV Applications (VAC)/ Introduction to Automation, Robotics and Drones
 - Applied Automotive Engineering
 - Cyber Crime with for Social Media
 - Applied Generative AI: Practical Tools
 - Employability Skills I,II,III
 - 3D Printing Technology
 - Inspections and Quality Control
 - Mobile Application Development
 - Machine Learning/Programming

Focus on Employability, Entrepreneurship, Skill Development

Employability

- 15–20% of total Courses
- Employability Skills–I, II,III (VAC)
- Data Structures & Algorithms
- OS, DBMS, OOPS, CN
- Practical Training I, II
- Communication and Analytical Skills–I,II,III
- Boot Camp (Training and Placement)
- Skill Development for Technical Interviews (VAC)
- Projects | Internships
- Specialization Courses

Entrepreneurship

- 1–2 Courses per program
- Business Application of Economics (ETMC123A)
- Entrepreneurship Development
- Chasing The Rainbow: The Entrepreneurial Streak(ETMC310A)
- Fundamentals of Innovation and Entrepreneurship (IIIT102A)
- Entrepreneurship and Business Development (VAC048)

Skill Development

- All Lab based Subjects (30–40%)
- Industry Driven Courses (15–20%)
- Minor/Major Projects (18 Credits)
- Summer Internships(6 Credits)
- VAC Courses (9 Credits)
- Competitive Coding
- SEC | Seminars
- Web Development

Curriculum Design- Key Pillars



FLEXIBILITY

- Discipline Specific Electives
- Open Electives
- Multiple Entry/Exit for BCA
- Multiple Industry Specializations

EXPERIENTIAL & ETHICAL LEARNING

- Environmental Studies & Disaster Management
- Entrepreneurship Development
- Projects/Internships/Field Visits
- Open Electives, VAC Courses

INDUSTRY-ALIGNED, FUTURE-READY CURRICULUM

- Industry-Integrated Curriculum
- Global certifications
- Focus on Emerging Fields
- Blended Learning

MULTIDISCIPLINARY APPROACH

- Maths, Science, Engineering, Computer.
- Interdisciplinary courses, Specializations
- Value Added Courses

CREATIVE & INNOVATION

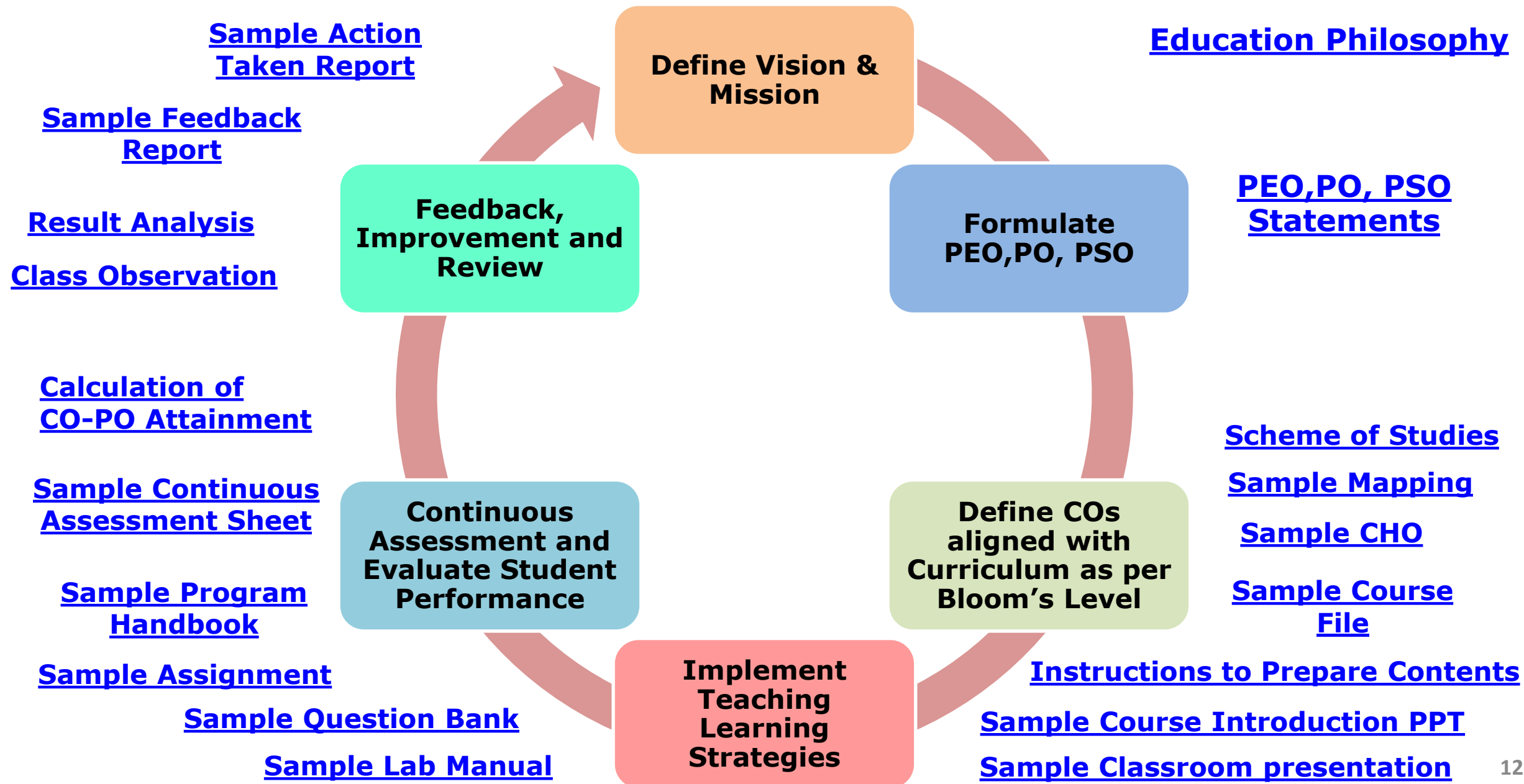
- Problem Solving skills through Coding
- Innovation Through Design Thinking
- Innovation Through Project-Based Learning
- Innovation through Applied Skills

CAREER READINESS AND LIFELONG LEARNING

- Competitive coding & Internships
- Career boot-camps, industrial/R&D projects

[2018-19](#) [2019-20](#) [2020-21](#) [2021-22](#)
[2022-23](#) [2023-24](#) [2024-25](#)

Integration of Outcome Based Education



NEP-2020 Compliance

- SOET implemented NEP 2020 Guidelines in 2023-24 for the BCA program.
- 3 Year BCA Program is now offered as 4 yr BCA (Honors with Research) as per NEP-2020 Guidelines.
- Program Name: **Bachelors in Computer Application (Honors/Honors with Research) with specialization in AI & Data Science**

Curriculum Features:

- Multiple Entry and Exit Options ([Degree Nomenclature](#))
- Holistic and Multidisciplinary education
- Choice and Flexibility
- Industry Integration- **Samatrix & IBM**

Course Category	Credits
AEC (Ability Enhancement Course)	9
Audit	0
CS (Community Service)	2
INT (Internship)	6
Major (Core)	63
DSE (Discipline Specific Elective)	20
Project	18
SEC (Skill Enhancement Course)	6
Open Elective	9
IDC (Industry Driven Course)	24
MOOC	6
VAC (Value added Course)	4
	167

Program Name	I	II	III	IV	V	VI	VII	VIII	Total Credits
BCA (AI & DS)	24	23	23	25	21	20	19	12	167

[Details](#)

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Teaching Learning & Evaluation (Assessment Period)



"Tell me and I forget. Teach me and I remember. Involve me and I learn."

– Benjamin Franklin

Focused Attention for Diverse Learning Needs

ISSUES IDENTIFIED: Students have differential Learning abilities, Lack of confidence, Poor Communication skills , Limited Critical Thinking Skills , Inconsistent Motivation Levels, Inadequate Technical Skills, Low Self Discipline & Time Management

OUTCOMES: **CASE STUDY** on Student Progress

- Enhanced Participation level: Project Competitions/Hackathons/Certifications
- Consistent Placements & Enhanced Internships

For Slow Learners

Remedial Classes

Learning Resources

Practice Assignment

For Advanced Learners

Workshops/ Hackathons

Competitive Programming

Certifications

Preparation for Competitive Examinations

Project Contests

Sample Slow & Advance Learner File



Mentor-Mentee Program

Issues

- **Psychological stress:**
Emotional support, coping stress.
- **Academic struggles:**
Personalized guidance, study strategies, time management help, Advising on Course Selection.
- **Career Confusion:** career paths, skills needed, and professional development.
- **Social isolation:** Building connections and enhancing social skills

Execution

- [Well Defined Policy](#)
- [Sample Interaction Form](#)
- [Mentor-Mentee handbook](#)
- Mentor-Mentee List
- Dedicated session in timetable (Tuesday)
- Fortnightly Interaction
- Monitoring
- Evaluation & Analysis
- Action taken report

Outcomes

- **Early identification**
- **Effective Resolution**
- **Increased satisfaction**
- **Confidence building:**
Greater self-esteem and belief in their abilities.
- **Enhanced Participation**
- **Greater check on academic Progress**

[Sample Mentor
Mentee Diary](#)

Student-Centric Learning Approach



INSIDE CLASSROOM LEARNING

- Standard classroom teaching contents (PPTs / PDF) : [Sample](#)
- Project Enabled Lab assignments: [Sample](#)
- Collaborative Learning
- Hands-On Activities
- Tutorial Classes
- Problem Based Class Assignments: [Sample](#)
- Project-Based Learning
- Skill development & Value-added workshops

OUTSIDE CLASSROOM LEARNING

- Internships & Industrial Training
- Workshops & Seminars
- [Extension Activities](#)
- Project Contests/Hackathons
- Peer Teaching and Tutoring
- Community Engagement
- Entrepreneurship and Start-Up Programs
- Career Mentoring
- Extra Curricular Activities
- Self Enabled Learning and MOOCs
- Activity Summary

School of Engineering & Technology

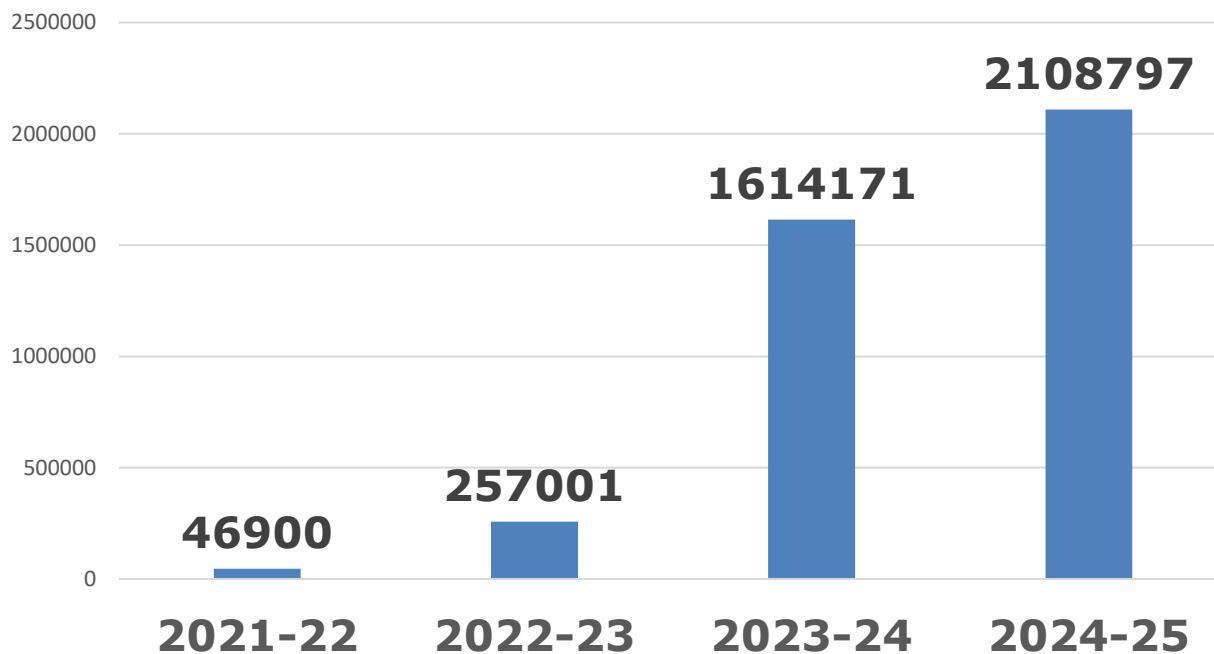
Research, Innovations and Extensions (Assessment Period)

"To raise new questions, new possibilities, to regard old problems from a new angle, requires creative imagination and marks real advance in science." — Albert Einstein

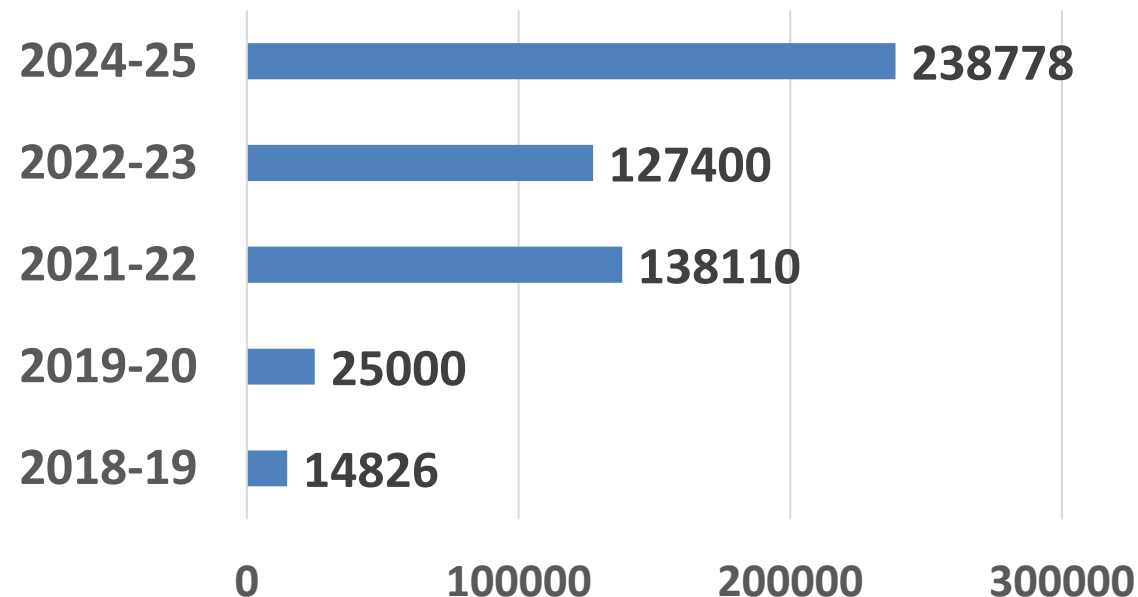
Promotion of Research

- School Research Committee: [Members](#)
- Research Promotion & Incentive Scheme: [Details](#)
- Reimbursement to Faculty: [Link](#)

Research Incentive Amount (INR)



Support for Conference/Professional Membership/FDP



- Dedicated Research Section for Ph.D Scholars in Central Library: [Link](#)
- Entrepreneurship and Innovation Center (KEIC) : [Students involved](#)

Research Outcomes

Total Citations– **3593** | H-index – **25** | Highest cited publication - **336**

18

• **Ph.D. Awarded**

[Ph.Ds. Awarded in SOET](#)

126

• **Patents Published(112)/Granted (14)**

[Patents Published/Granted](#)

271

• **Research Journal Publications**

[Journal Publications](#)

393

• **Book Published**

[Book Published](#)

352

• **Conference Papers/Book Chapters**

[Conference /Book Chapters](#)

8

• **Projects Submitted**

[Projects Submitted](#)

07 (Rs. 705000)

• **Consultancy Projects**

[Consultancy Projects](#)

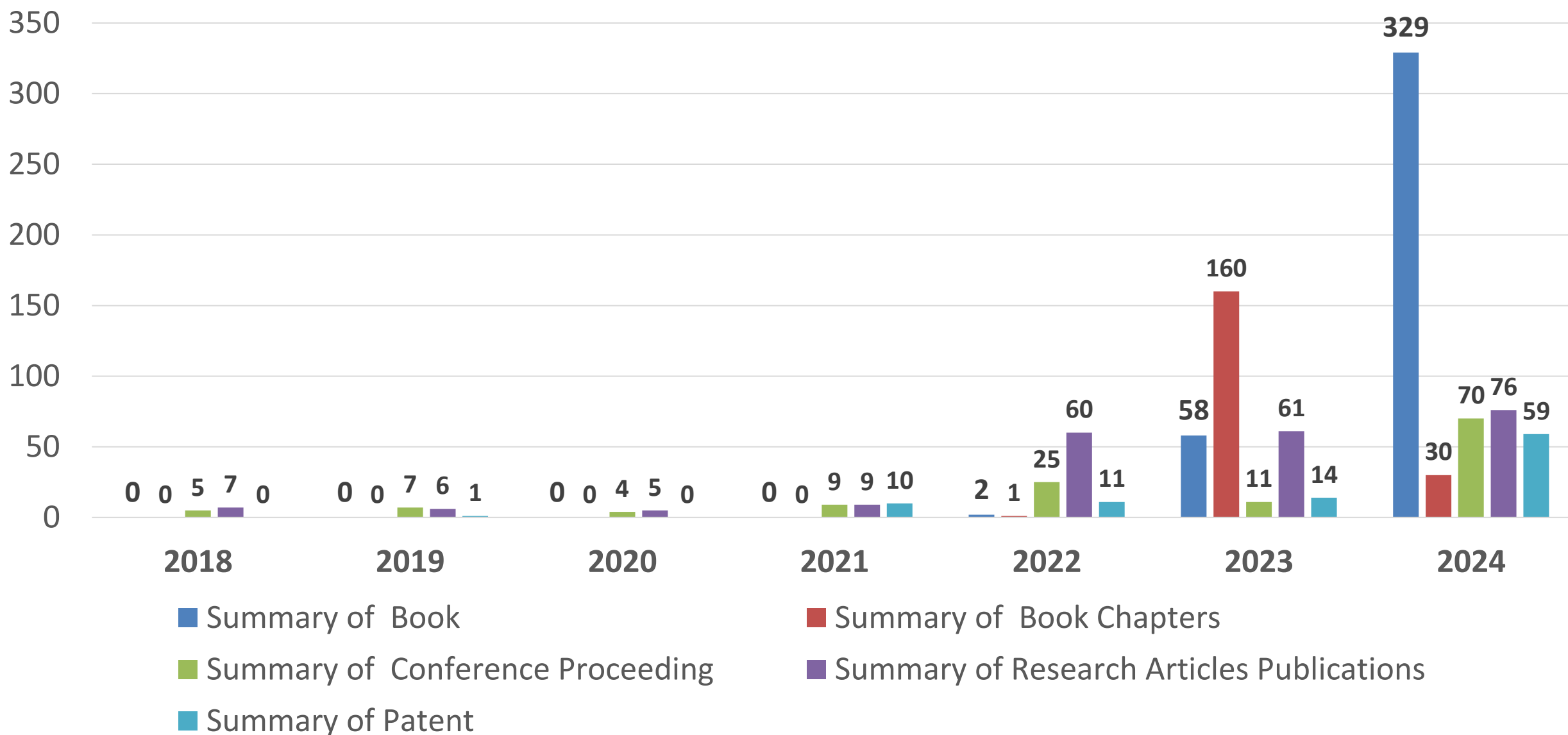
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• **Seed Grant**

[Seed Grant](#)

[More Details](#)

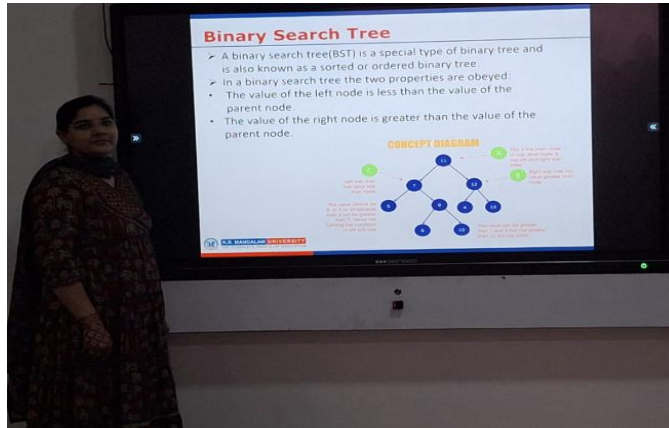
Research Progression



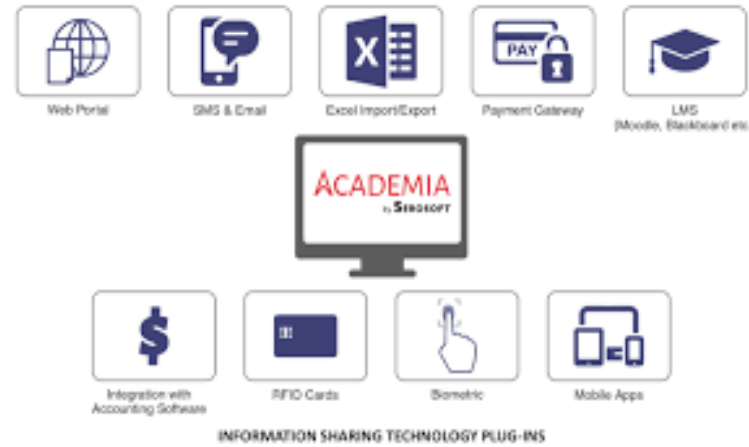
School of Engineering & Technology

Infrastructure & Learning Resources (Assessment Period)

Learning Resources



Smart Teaching Panels



ERP: Academia



Recorded Videos by faculty : 63 ([Details](#))

Total Classrooms: 59

Titles: 1625 | Books : 6229
Books ([School Library](#)): 324

[Print Journals](#): 14
For Plagiarism : Turnitin, Drill Bit
E-Journals: IEEE (EBSCO)

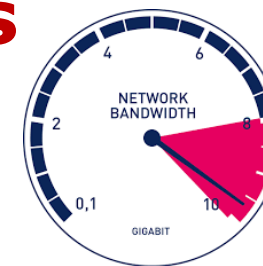


LMS Moodle



Certiport Authorized Testing Center
(Microsoft, CISCO, Pearson, Meta etc)

Learning Resources: Lab Facilities



Internet bandwidth:
1 GBPS

Total Computer labs with SOET: 19
Total Number of Computer Systems: 871
All labs: Screen Panels/Projectors
Operating Systems: Windows 10/11
Service Provider: Airtel
Student: Computer Ratio: 1 : 3.2

Details



iOS lab(01)



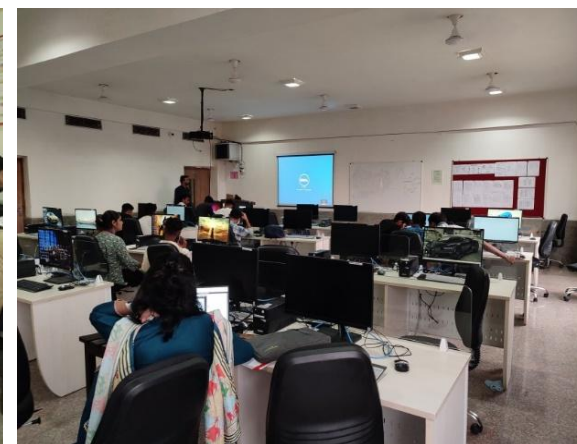
Workshop Facility(01)



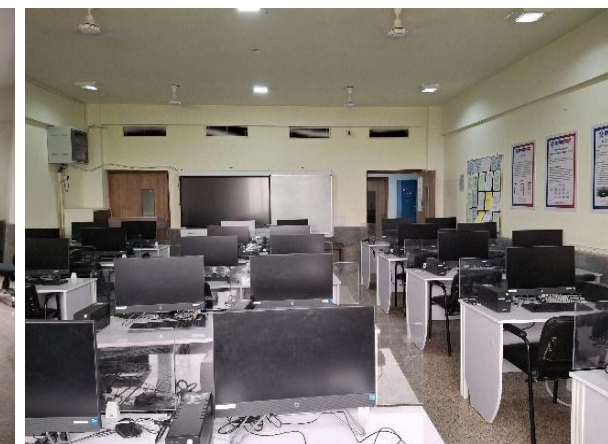
Robotic Lab (02)



Electrical & Electronics lab(02)



Computer Lab(19)



AI Lab (01)

Center of Excellence – Robotics and Automation Lab

Lab Number: B 201

[COERA link](#)



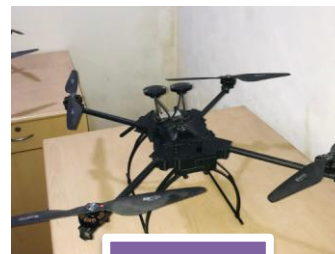
Purpose: Equip students with practical skills in robotics, empowering them to work on innovative projects that address real-world problems.

- **No. of Projects Completed: 20+**
- **Active Student Projects: 30**
- **Start-ups: 3**
- **E-Yantra Lab (IIT Bombay) Projects: 15**
- **Phoenix Drone Flying Centre Certifications: 10**
- **MindBenders - Innovative Project Competition: 150+**
- **Internships at IIT Mandi: 170+ students**

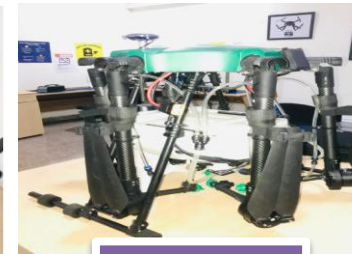


Drone Lab Facility

Govt. Certified Drone Pilot Certifications: 10



Small



Medium



Nano

Purpose: develop students' practical skills in artificial intelligence and machine learning, enabling them to work on projects that solve real-world problems



Collaborations

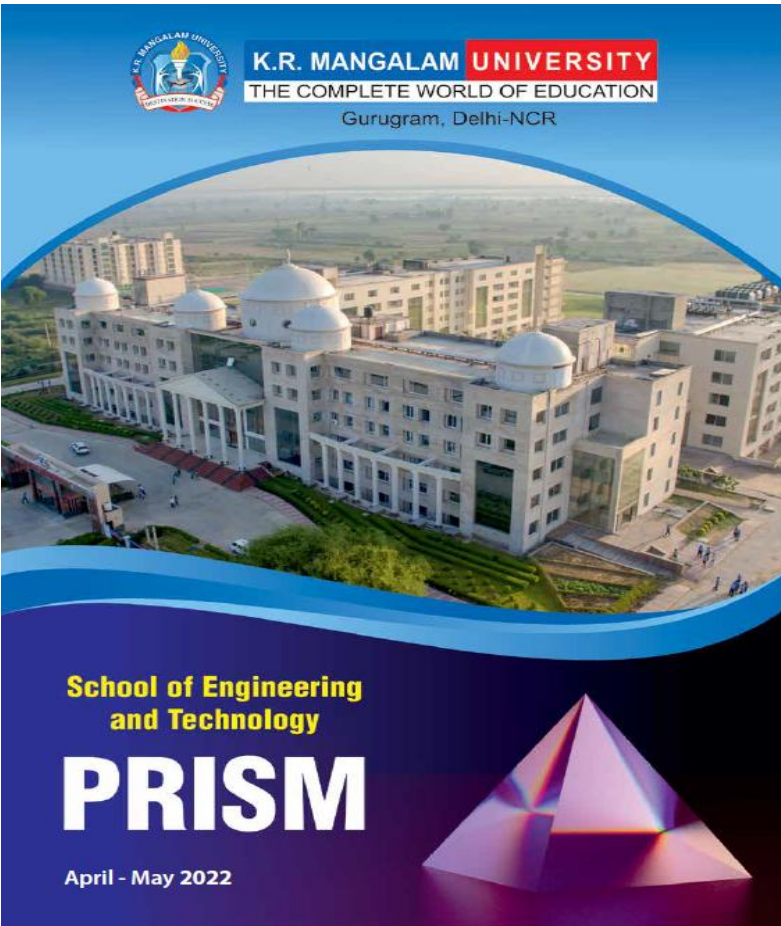


**Centre of Drone Technology,
IIT-Guwahati**

- Completed Student Projects: **28**
- Research Project Granted: 01
- Research Projects Submitted: **06**
- Summer Internships Programs: **02**
- Edited Books – **03**
- Publications – **04**
- Ongoing Research Projects: **03**

COE-AI

Facility: Nvidia GeForce GPU GTX 1080, AWS Cloud, Number of Systems: 30



PRISM




10 Message from Advisory Committee

11 Collaborations

18 Clubs & Centers

24 Placements & Internships

MESSAGE FROM ADVISORY COMMITTEE

I am delighted to extend my warmest greetings through this newsletter. As we advance in our collective journey of academic excellence and innovation, let us continue to foster a spirit of collaboration and intellectual curiosity. Our commitment to rigorous research, impactful teaching, and community engagement remains paramount. Together, we can navigate the challenges ahead and create a brighter future for our institution. Thank you for your unwavering dedication and contributions. I extend my heartfelt congratulations to all for their dedication and hard work, and I am confident in our collective ability to shape a brighter future.

Best regards,



Prof. (Dr.) P. S. Grover
Advisory Committee
Member

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7	Collaborations
8	Research & Innovation
9	Clubs & Centers
10	Events Corner
11	Technical Articles
12	Community Connect
13	Placements & Internships
14	Our Alumni

- PRISM serves as a dynamic platform for students and faculty to share their technical and literary articles, achievements, and school activities.
- PRISM enables our students to express their thoughts and creativity, fostering a culture of innovation and intellectual growth.

School of Engineering & Technology

Student Support & Progression (Assessment Period)

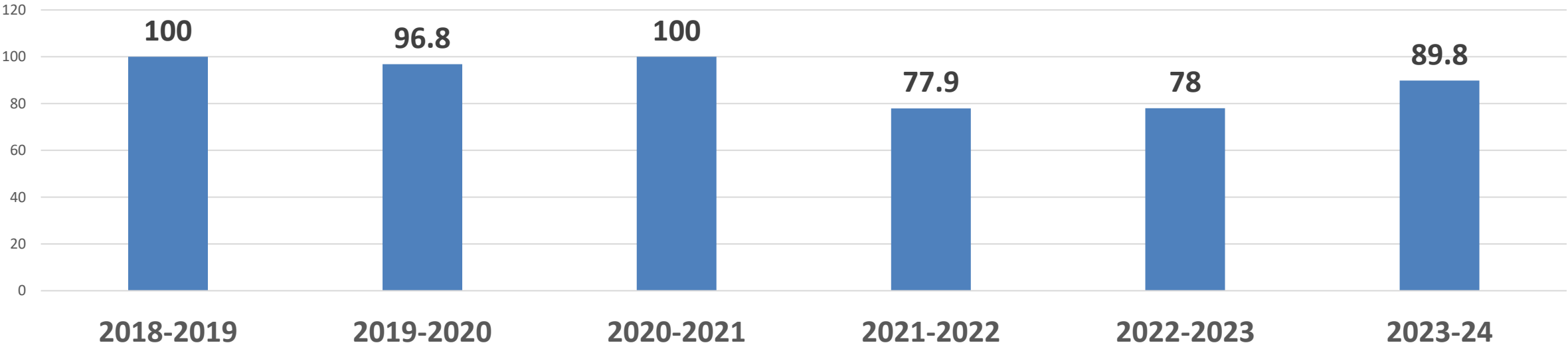
Student Performance: Graduate Outcomes

Year	outgoing Students	Campus Placement	Competitive Exams/Higher Studies	Entrepreneurship/ Startups	Graduate Outcome
2023-2024	158	144	8	5	99.36
2022-2023	100	78	1	12	91
2021-2022	86	67	7	5	91.8
2020-2021	71	71	1	0	100
2019-2020	63	61	2	0	100
2018-2019	97	97	3	5	100

Highest Package: 36 LPA
Average Package: 3.7 LPA

[Details](#)

Campus Placement in %





Student Career Counselling Initiatives

Special Placement Preparation classes on DSA by Industry Experts from AlgoPrep (9 Months Online Program)

Special Modules by CDC on : Verbal Ability, Communication & Personality Development, Arithmetic and Reasoning Skills

Industry Driven Courses in Curriculum: 15-20% of total Credits

Global Certifications through Certiport Authorized Testing Center (Microsoft, Cisco, Adobe)

Career Readiness Boot Camp of 200 hrs (Infosys Module): DSA/Java/Python/DBMS

3rd party assessment through AMCAT/CO-Cubes

Competitive Coding Sessions: 2 hrs/week, 30 Hrs, Semester III,IV,V,VI

Regular Sessions by experts/alumni with focus on career development

Regular MOCK Interviews & GD Sessions

Summer Internships, Minor Projects, Major Project

Regular Technology Driven hands-on Workshops

Related Activities

Student Engagement in Entrepreneurship & Startups



TARANPREET (2023 – 26)
SHUBHAM CHADHA
(2023 -26)



HARSH RAJ
(2023-27)
ANUJ (2022-26)
KRISH AGARWAL
(2023-27)



H COIN
LOGIX MIND



KARTIK RATHI (2021 – 25)



BLACK ORCHID
DAKSH MEHTA
(2018-21)



SR ENTERPRISE

ER. SHASHANK GUPTA (2018-21)



ABHINAV SINHA
(2019-23)

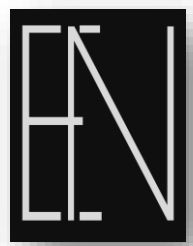


B-TACK

NAMAN PUNN
(2023-26)
SHANVI MATHURIA
(2023-26)
SOURABH BISHT
(2023-26)



ANISH KUMAR SINGH
(2015 -2019)



ENIVSION
SHREIYA MALLA
(2023-27)
CHIRAG BHAL
(2023-27)



[More Details](#)



Star Alumni



Daksh Mehta
(B Tech CSE 2021 Pass out)
Company Name-UNIAS Inc.
Product Engineer
Package 36 LPA



Darshit Raghav
(MCA 2023-2024)
Debcor Engineering
Product Engineer
Package 24.5 LPA



Rishav Bakshi
BCA (2017-20)
Sales Manager
Ferrari
Package: 56 LPA



Raghav Gupta,
B.Tech (2016-2020)
MSc Data Science at
Cardiff Metropolitan
University, UK.



Ms. Kriti, BSc (Cyber
Security) 2023
batch, SOC Analyst
(Security Operations
Center) Clouds Tech
FZE in Dubai.



Aman Bindra,(B.Tech
2016-2020) MS from
Concordia University
of Edmonton,Canada.



Kunal Kumar
2019-2023
Company: Ministry of
Electronics and
Information Technology
for Digital India
Designation: Intern



Abhinav Sinha
2019-2023
Company: TuteMap
Designation: Founder



Dev Watts
2019-2023
Company: Wendor-Smart
vending solutions
Designation: Software
Engineer



Ankit Luthra
2019-2023
Company: EY
Designation: MERN
Stack Developer



Manas Gaur
2016-2020
Company: Smaac Net
Solutions P.Ltd.
Designation: Software
Engineer



Shanta Jha
2017-2021
Company: Capgemini
Designation: Network
Security Analyst



Divisha Jain
2018-2022
Company: Group M
Designation: Senior
Executive -Analytics



Swati Shukla
2021-2023
Company: HSC
Designation: Associate
Engineer



Younika Bhatta
2018-2021
Company: Mphasis Tech
Foundation
Designation: Software
Developer



Nikhil Raghav
2016-2020
Company: Capgemini
Engineering
Designation: Network
Engineer

Alumni Connect

Registered Students: 595



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

Alumni Contribution

School of Engineering & Technology
invites you all to join us to celebrate !
" Success Story of our Alumni "

29th August 2022 Time : 11:00 AM - 12:30 PM Venue : A213

Daksh Mehta
Cracked 14 companies from on campus including hcl, facebook etc. (highest package offered 25 LPA)

Divisha Jain
Data Analyst at Mindshare Neo at package of 7.5 lpa

Alumni: Dasksh Mehta, Divisha
Participants: 250 [29 Aug 2022]



Alumni: Mr. Mohit and Mr. Dev(2023)
Participants: 190

K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION
Gurugram, Delhi-NCR

School of Engineering and Technology
Organizes

ALUMNI TALK

Date: 15 March 2023 Time: 11:00 PM Onwards Venue: Online

SPEAKER:
Mr. Aman Bhati
(ID Tech Solutions)
Designation :-
Digital Marketing Manager

EVENT COORDINATOR:
Mr. Ashwani Kumar

University Gurugram Campus: ☎ 011-48884888 / 8800697010-15 📧 8800697012
🌐 www.krmangalam.edu.in 📧 welcome@krmangalam.edu.in

Alumni: Mr. Aman Bhati
(15-03-2023)
Participants: 60

K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

विकसित भारत अभियान
1947 TO 2047

DEEKSHARAMBH 2024
— Alumni Interaction —

Lokesh Jain
Star Health and Allied Insurance

Daksh Mehta
Block chain media and Analytics

Abhinav Sinha
Co-Founder, Tigmam

Amrit Singh
Senior Business Analyst, VAMA App

Anish Kumar Singh
Founder, ARI Langhane

Ankit Luthra
Senior Analyst, IT

Rishav Bakshi
Sales manager, Femal Quebec

Dev Watts
Wendler

Key Alumni Interactions

- Ms. Nisha Patra (2021)
- Mr. Shashank Gupta (2021)
- Mr. Daksh Mehta (2021)
- Ms. Divisha Jain (2022)
- Mr. Abhinav Sinha (2023)
- Mr. Lokesh Jain (2023,24)
- Mr. Ankit Luthra (2023)
- Ms. Anchal (2021)
- Daksh Mehta(2024)



Alumni Sports Meet,
Participants: 20

School of Engineering and Technology
Presents

"Success Stories of Our Alumni" "सफर हमारी कामयाबी का"

Date: 31st August 2022
Venue: Moot Court (A Block, 4th Floor)
Time: 11:00 AM -12:30 PM

Guest Alumni:

Er. Nisha Patra
IMCS group
Technical Acquisition Lead (USA)

Er. Shashank Gupta
SR
CEO, Entrepreneur SR, Enterprise

Alumni: Ms. Nisha & Shashank
(31-08-2022), Participants: 175



Student Awards and Recognitions

1st Prize (1 Lakh) at Smart India Hackathon 2023 Competition at Jaipur (19-20 Dec 2023.)



Nandini Chauhan, BCA- 1st Prize, project presentation at KIIT college of Engineering, 30 May 2023



Ms. Sejal Mittal, BCA represented India. Won Silver at 22nd World Traditional Karate Championship Villa Do Conde, Portugal, held from October 7 to 14, 2024



1st Position at Matrix 2.0 Hackathon, GGSIPU-IITM University, Delhi Janakpuri, Sep 2024



Hackmor Hackathon at Manav Rachna University Oct 24



Chancellor's Excellence Award - 2023 to M.Ria (B.Tech). business summer school program at the University of Portsmouth



Winners at Hack Utsav Hackathon at NorthCap Univ, Oct 2024



School of Engineering & Technology

Initiatives & Continuous Improvement (Assessment Period)

Hackathon: HACK-KRMU



HACK-KRMU 2.0: Total participation of more than 350 students. Awards worth 1 lakh



HACK-KRMU 3.0: Total participation of more than 500 students. Awards worth 1 lakh

MindBenders : An Innovative Project Competition



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

MindBenders 1.0 – Social & Innovative Project Contest (20 Oct 2022)



- **Total Projects: 40**
- **Participation: more than 100 Students**
- **Prize worth 20000**

Mindbenders 3.0 – Innovative Project Contest (29-30 April 2024)



MindBenders 2.0- An innovative Project Competition (25th Nov 2023)



- **Total Projects: 80**
- **Participation: more than 200 Students**
- **Prize worth 30000**

Conferences, FDPs etc



School of Engineering and Technology

Welcomes You

at

International Conference on

Multidisciplinary Research & Innovations in Engineering (MRIE-2023)

Date: July 28-29, 2023 | Venue: A-213, 2nd Floor, A Block, K.R. Mangalam University

Patrons



Prof. Dinesh Singh
Chancellor, KRMU



Prof. C.S Dubey
Vice-Chancellor,
KRMU



Prof. P.Tripathi
Pro-Vice Chancellor,
KRMU

Chief Guest



S.K Varshney
Scientist G, DST

Keynote Speakers



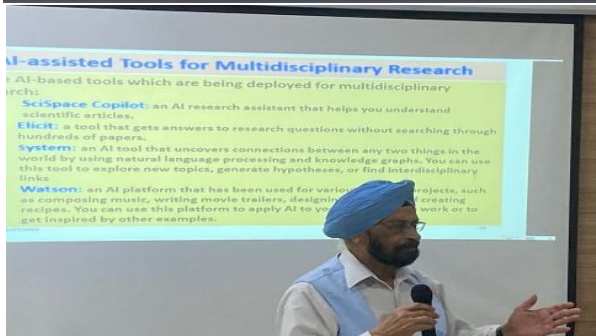
Prof. B.Chandra,
Adjunct Professor,
IIT Delhi



Prof. P.S Grover
Ex-Director,
Delhi University

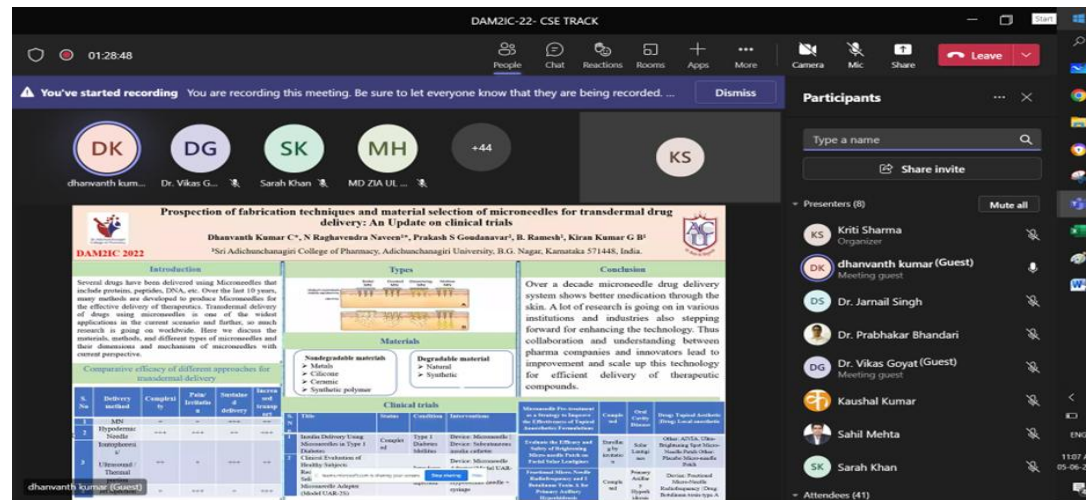
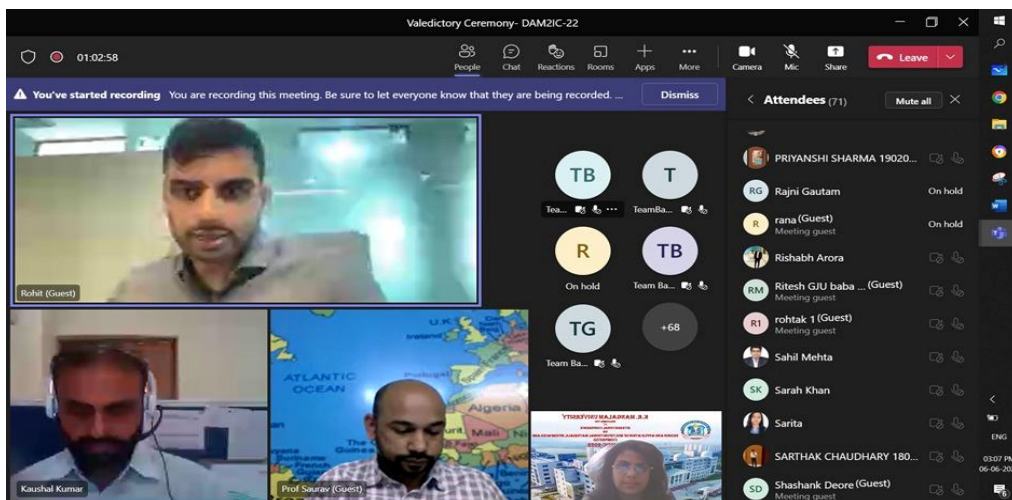
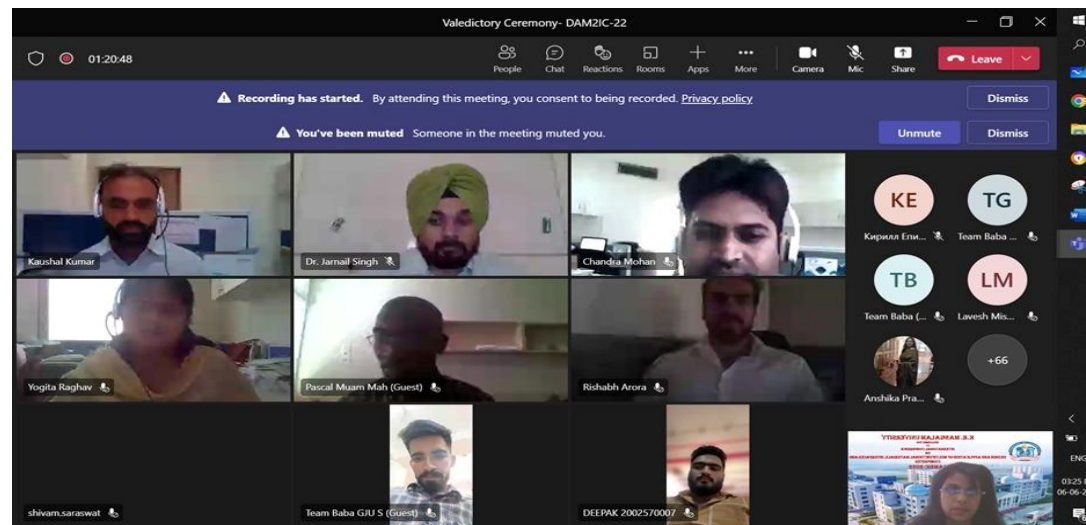
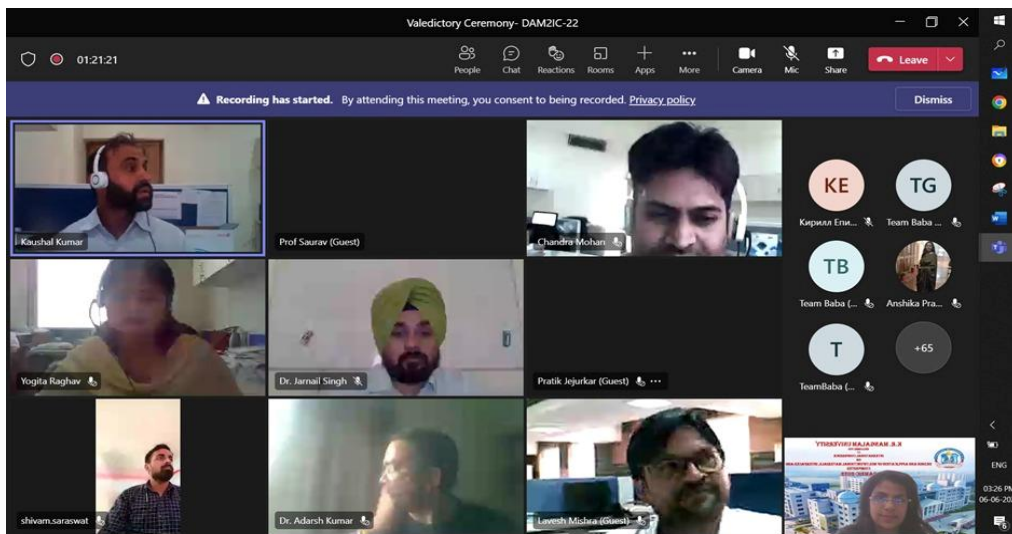


Prof. Dr. Lawrence Wasserman
Fortech International
Ltd, USA



Total Received Papers: 90, Final Selected and Published: 30
Scopus Indexed/Wiley

International conference on "Design and Applications of Multifunctional Materials, Interfaces, and Composites (DAM2IC-22)" June 4-6,2022



Total Received Papers: 90, Final Presented and Published: 25
Journal: Materials Today

Computer Society of India (CSI) Chapter



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Tech –Odyssey (Tech Fest)

Participants: 226



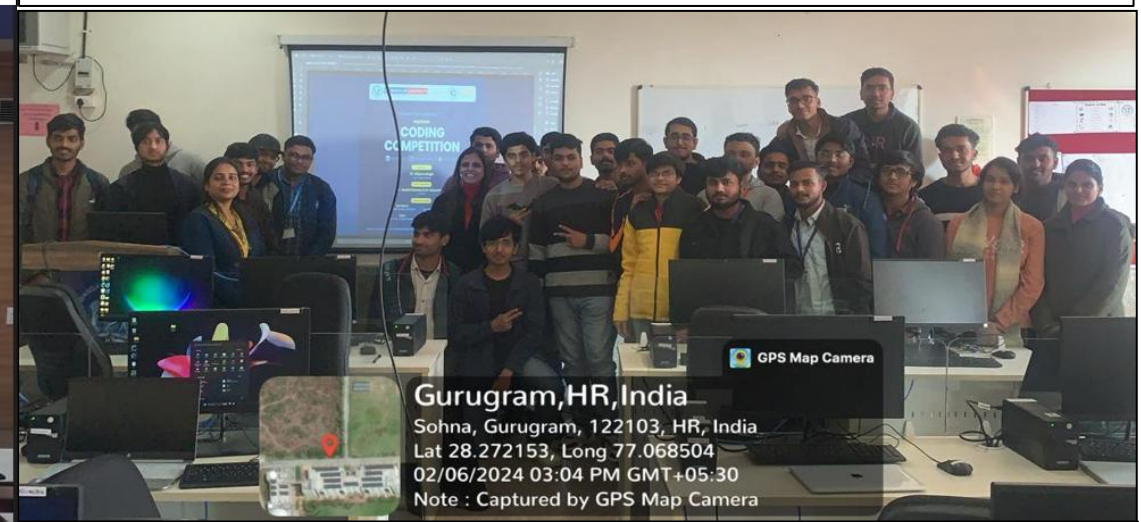
Visit- National Small Industry Corporation

Participants: 44



Workshop on Github & Kaggle

Participants: 112



Coding Competition

Participants: 32

Peer Tutoring Initiative (12 Activities)

BYTECODE- A Competitive Coding Forum with 1400 Students

Technical Workshop Series

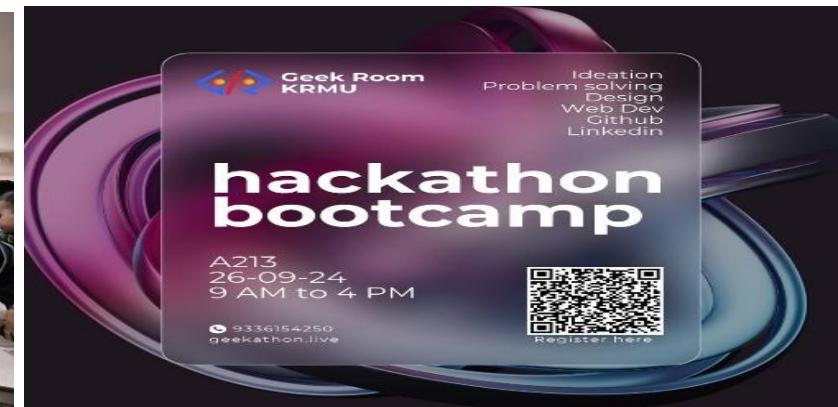
MindSpark: Learn with Hand-on Project Development



**14 March 2023 (128 participants)
Beginner-Intermediate Web Development Workshop**



**18th October 2024
140 participants**



**26 Sep 2024 (150 participants)
Web Application Development Workshop**

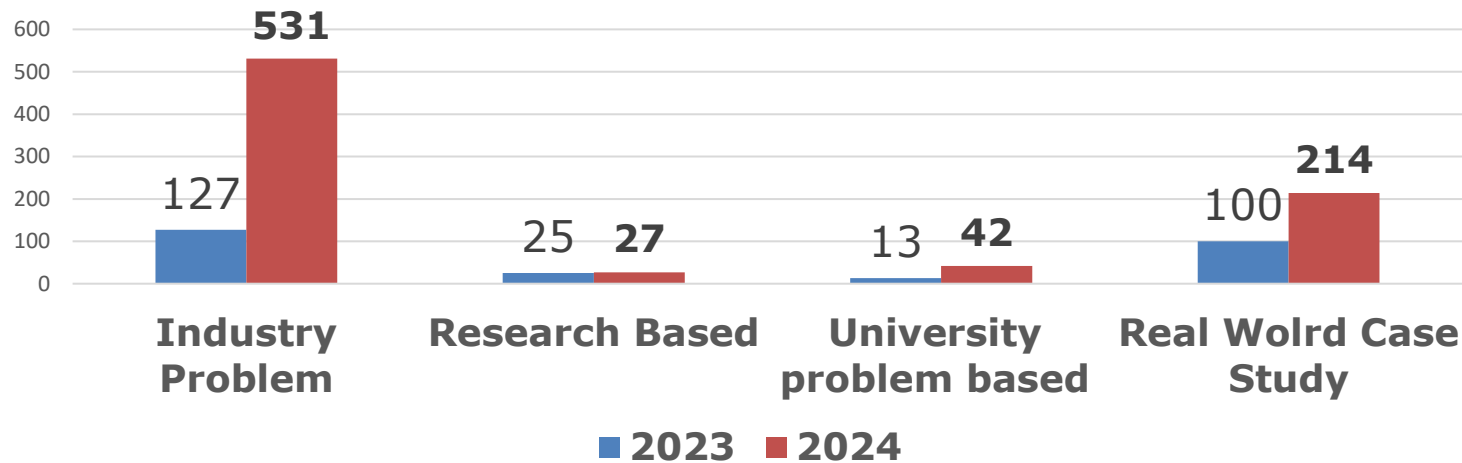
<https://www.youtube.com/@Logikxmind/videos>

Project Enabled Learning - Outcomes

Purpose: develop practical skills by engaging students in real-world projects, bridging theory with hands-on experience.

[Project Video Presentations](#)

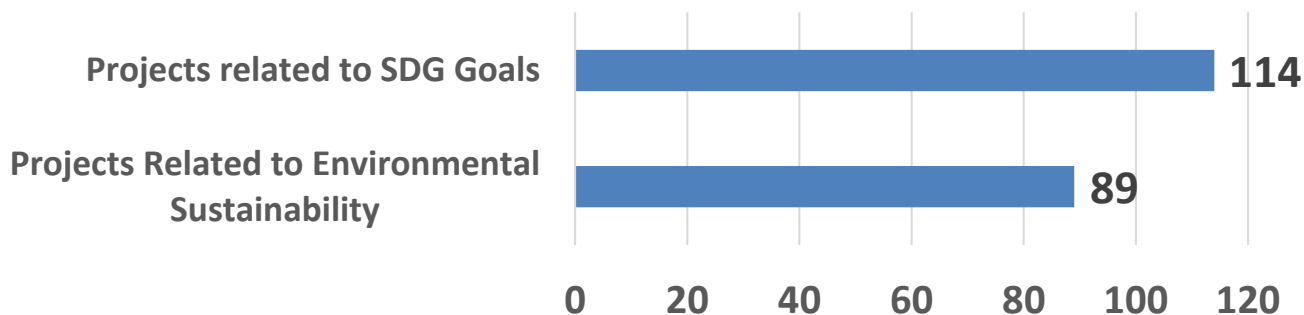
Project Quality Progression



Key Outcomes:

- Few students published their results in conferences/Journals/chapters: [Details](#)
- More than **80% Projects** are Industry Based problems in 2024-25
- Most of the projects were deployed in Real world
- Video Presentations by all.
- 17 Project groups won hackathons & Project competitions (2023 to 2025)

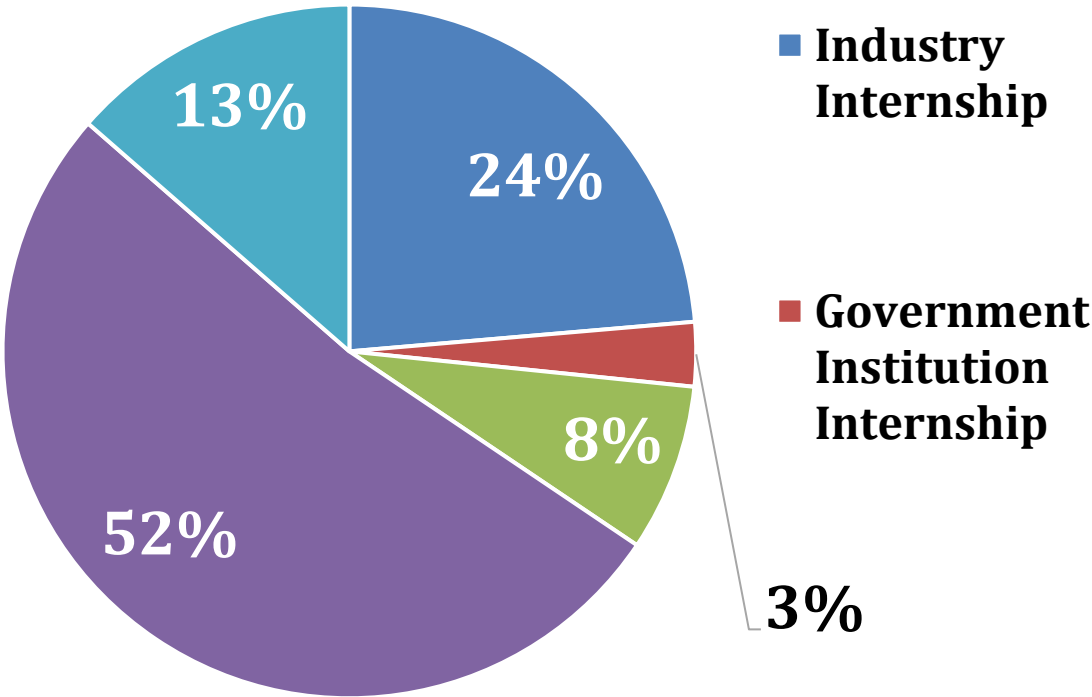
Projects Mapped with SDGs (2024)



[Project Outcomes](#)



Summer Internships

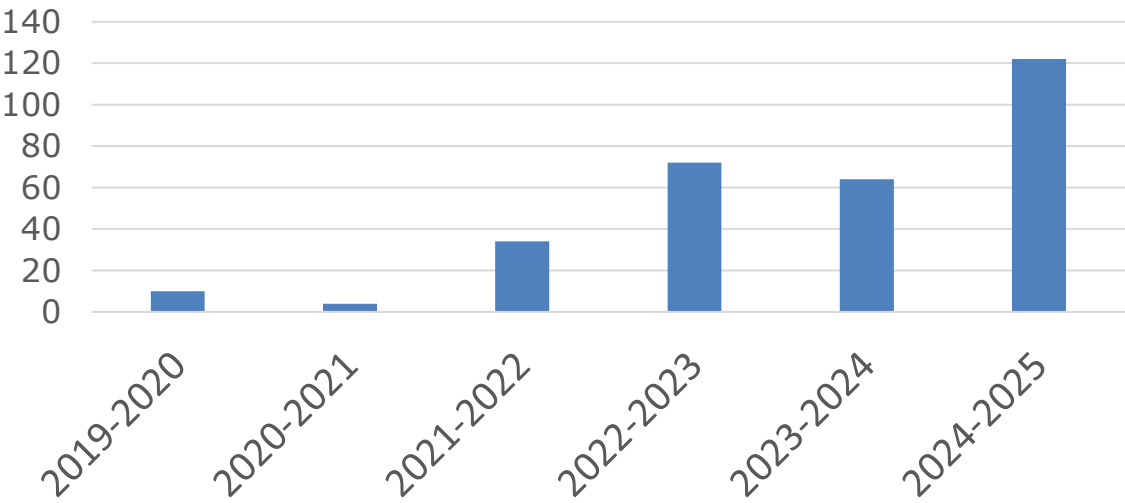


Year: 2023-2024
Total Students : 935

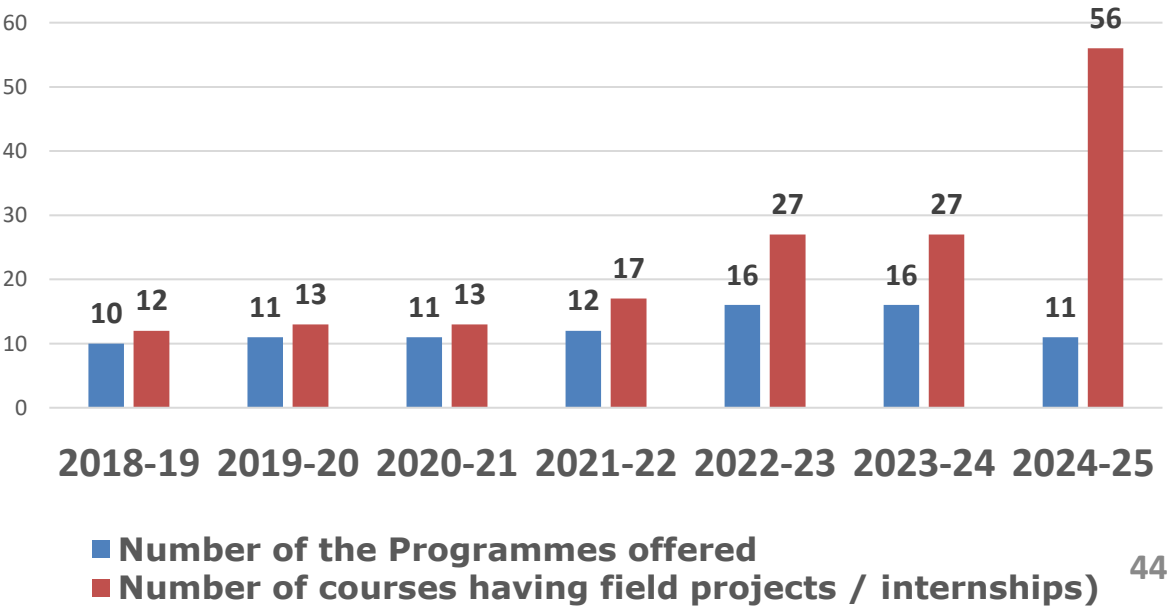
Certification Details

- 554 Certifications by Google, Cisco, Microsoft, Oracle etc
- 39 Internships from Reputed Organizations like IIT, NSIT, IGDTU, CDAC etc

Industry Internships



Courses having Field Projects/Internship



Robotics & Drone Making Bootcamp for K R Mangalam University Students at IIT Mandi: Dec, 2023 [150 Students]



Summer Internship (July, 2024): 18 Students



LIP
Synchronization



**Surveillance
Drone**



Husky UGV



Fine tuning LLM



**Internship
Certificate**

Total 18 Projects with Internship

Three Days Workshop on IoT

National Institute of Technology, Kurukshetra

28/09/2023 to 30/09/2023 [53 participants]



Visit to NIT Kurukshetra for Autokriti 14.0 workshop (27 September to 29th September 2024) [93 Students]



Experiential Learning: Extension Activities



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Awareness on latest techniques in Agricultural Farming with NSS **Participation: 10 Students**



Cyber Security and Digital Awareness for the People of Village, Alipur **Participation: 45 Students**



Computer literacy program for underprivileged in Bhondsi village (Spark minda Foundation)- **40 Students**



Awareness Camp on Cyber Crime & Ethical Hacking. **Students: 20**

Experiential Learning: Field Visit



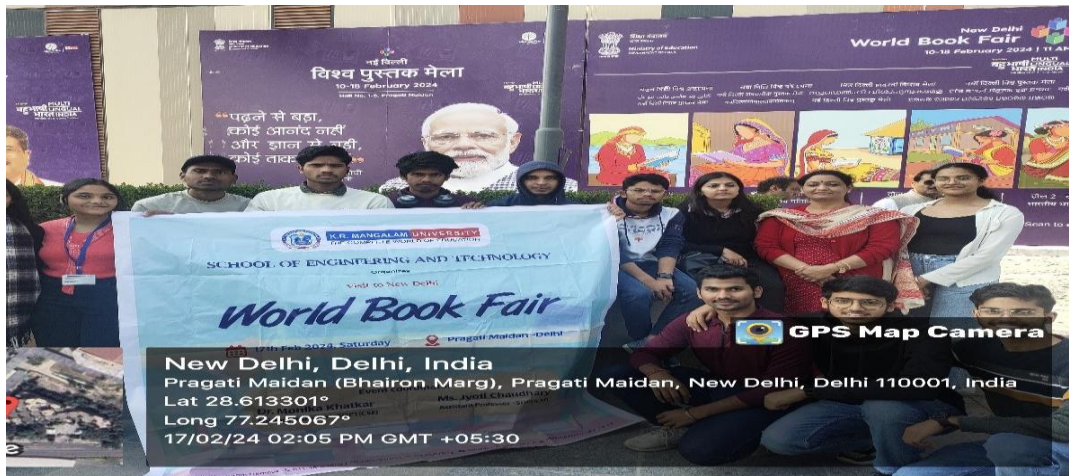
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**Visit to CSIR-National Physics Laboratory,
New Delhi , Participants: 50**



**Field Visit to AICTE IDEA Lab, PIET
Participants: 22**



**Field Visit at World Book Fair, Pragati Maidan
Number of Participants: 46**



**Visit to Hero Honda, Manesar(Haryana)
Participants: 30 students**

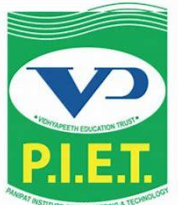
Industry & Peer Connect



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Memorandum of Understanding (MOU)

Functional MOUs: 22



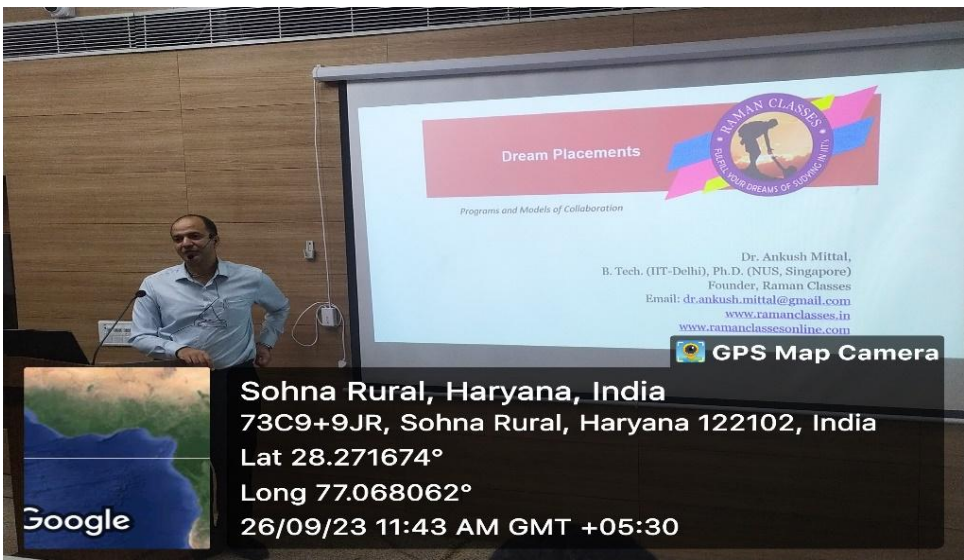
Industry Expert Talks



Expert talk by **Dr. Usha Jagannathan**,
Director for AI Products at IEEE, USA.
Participants: 45



“Machine Learning and Data Science
for Business” by Mr. Sunny Pathak,
Vishal Jain, Samatrix on 29/08/2022
& 02/09/2021



Session: Placement process for
Dream Companies. By **Dr. Ankush
Mittal, IIT Mandi**,**Participants: 180**



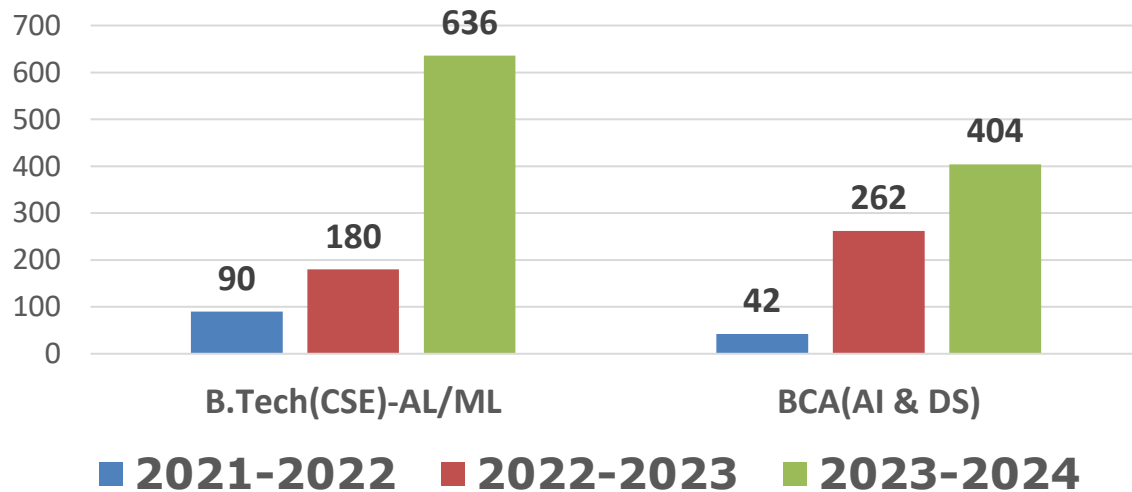
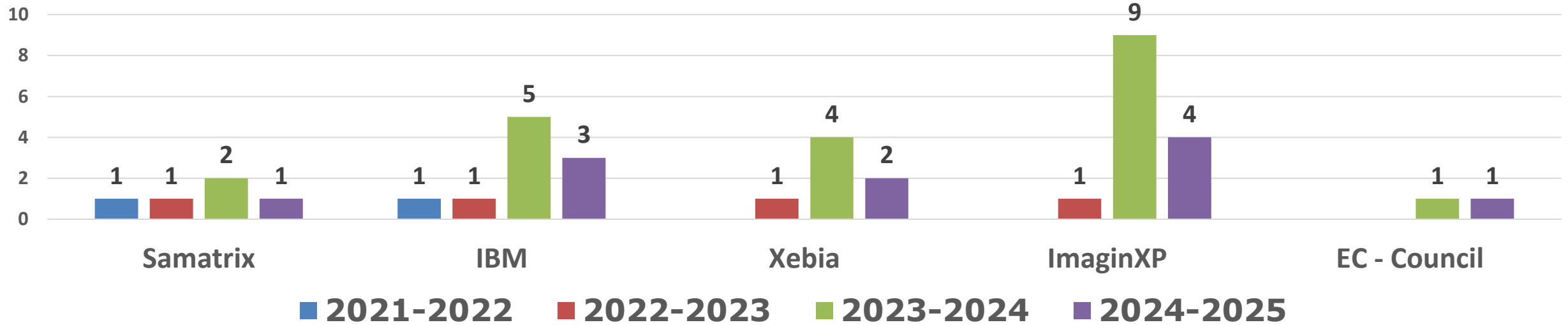
Session on “Empowering Your Future”
by Mr Shubham Agarwal & Ms. Shrishti
(IIT Alumni). **Participants: 240**

50+ Expert Talks
More Details

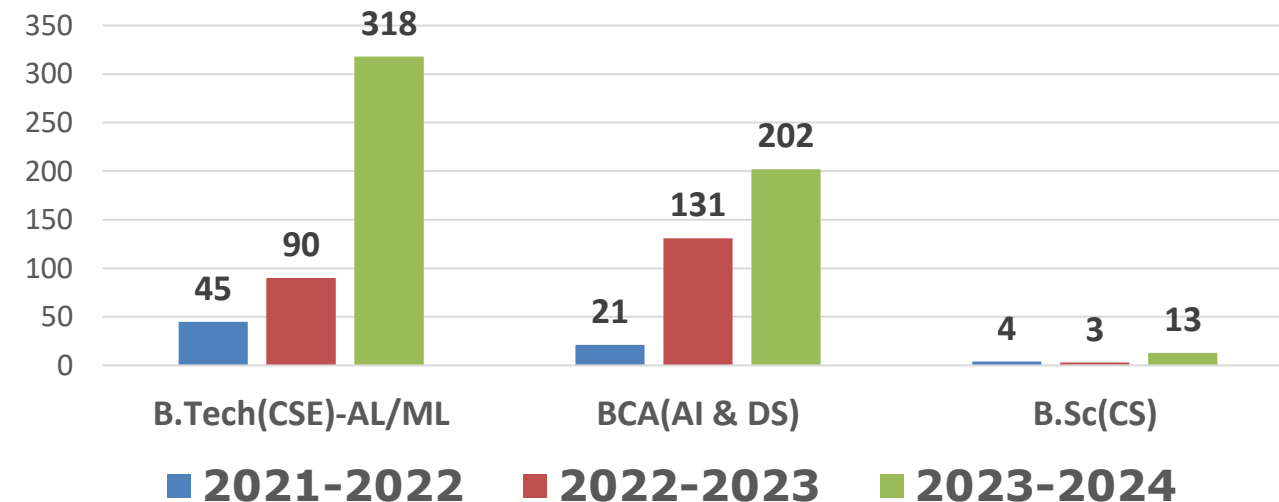
Industry & Peer Connect-Outcomes



Activities with Industry Partners (Total: 38)



Certifications through Samatrix (1614)



Certifications through IBM(827)

Faculty & Staff Development



Faculty & Staff Development Programs

Attended FDP: 359 | Organized:09



Conferences/Memberships

Total Reimbursement: Rs. 615749



Intensive Teaching Workshops

For all faculty members



Faculty/Staff Orientation

Session on Code of Conduct/IPR/HR



Sessions on NEP- 2020/OBE

Session by VC/Dean



Certifications

Encouragement for Certifications

[Details](#)

Faculty Development Programs Organized



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AWS (Cloud Practitioner)

By Ms. Kamatchi Devi, AWS Solutions Architect
(30 Jan 2023 to 3 Feb 2023)- **51 Participants**

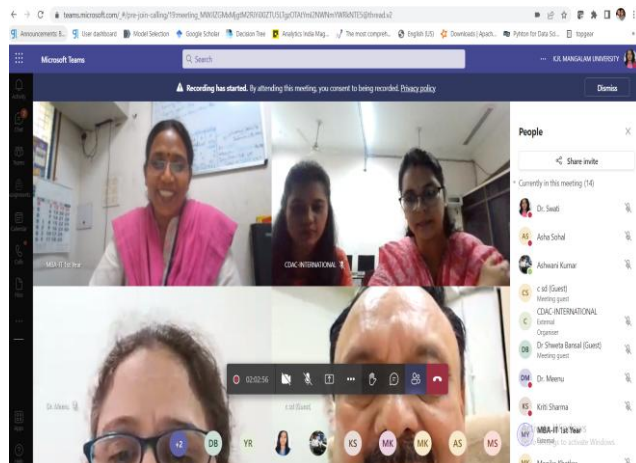


Short Term Course cum Faculty Development Program on "Communication Technologies - Connectivity Evolutions"- May 27 to May 31, 2024 through NITTTR, Chandigarh- **58 Participants**



Big Data Analytic

11th July, 2021 – 22 July , 2022- **38 Participants**



Resource Persons

- Mr Sunil Kumar, CDAC Noida
- Ms. Akansha CDAC Noida
- Ms Chandini, CDAC Noida

FDP on blockchain and cyber security (22-26 July 2024)-**27 Participants**



Resource Persons:

- Dr. Sumit Kumar Pandey, IIT Jammu
- Dr. Mohona Ghosh, IGDTUW, Delhi

Faculty & Staff Workshop Series



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**“Empowering Research Excellence:
Tools for Effective Scientific
Writing” - May 11, 2024**

**Workshop on Scientific Writing
Using LATEX, Saturday” - 27th April
2024**



Faculty Awards & Recognitions



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Solanki Gupta
Assistant Professor



Best Paper Award at the 5th International Conference on Science & Technology Metrics (#STMet 2024), held at Tien Giang University, My Tho, Vietnam



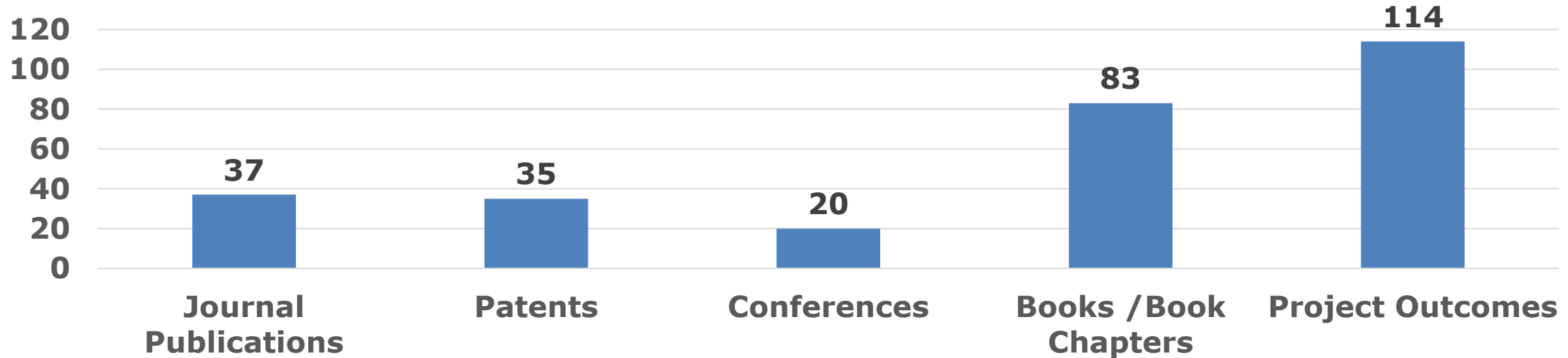
Best Practices



Holistic Sustainable Learning through Social Connect

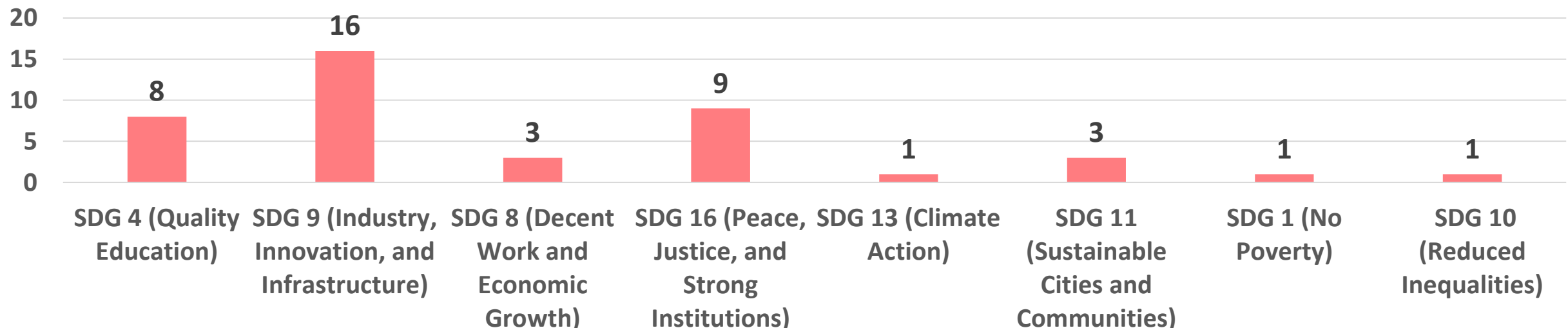
[Details](#)

Mapping with Holistic Sustainable Learning through Social Connect



No. of courses mapped With SDG Goals

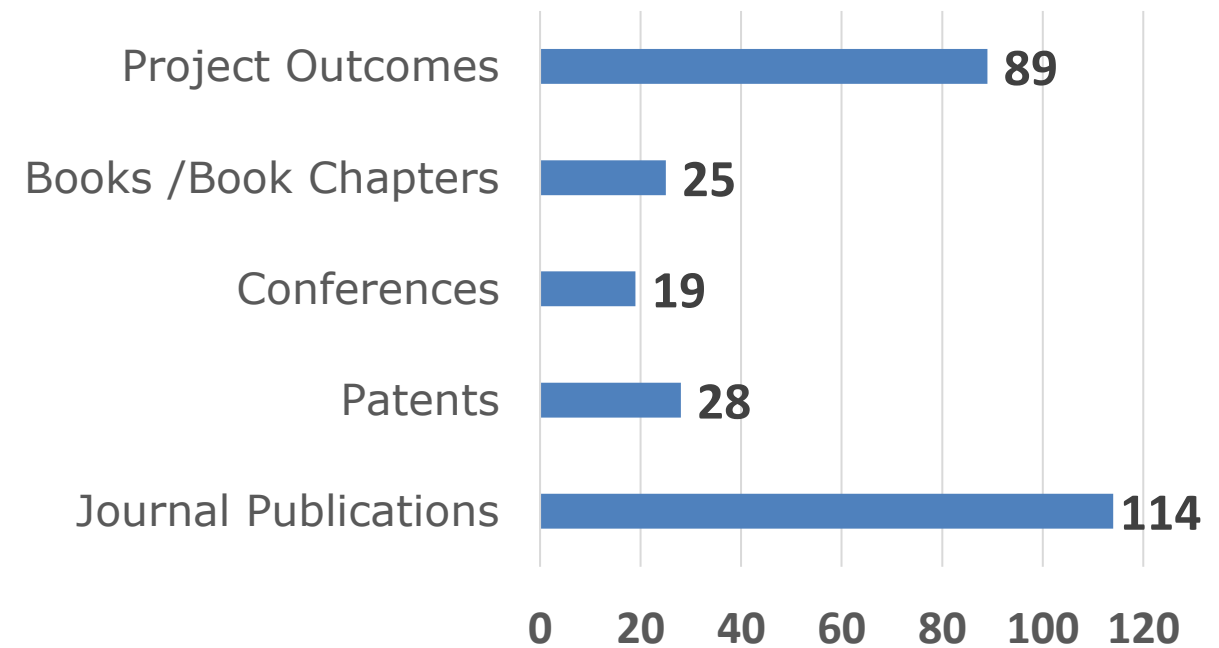
[Details](#)



Nurturing Eco-Conscious Behavior: Taking steps towards Environment Sustainability

- Course on Environmental Studies & Disaster Management (**2 credit**)
- VACs (**2 credits**) offered on: Renewable Energy Systems, Automation and Industry 4.0, Sustainable Development, Practical Robotics and UAV Applications, Applied Automotive Engineering: Hands-On Practices etc
- E-Waste Management Project by Dr. Rishabh Arora
- Activities on Environment Sustainability in mapped in School Activity Calander

Mapping with Environment Sustainability



Enhancing Education through Industry-Driven Curriculum, Project-Based & Innovative Learning.

INDUSTRY-DRIVEN CURRICULUM & TRAINING

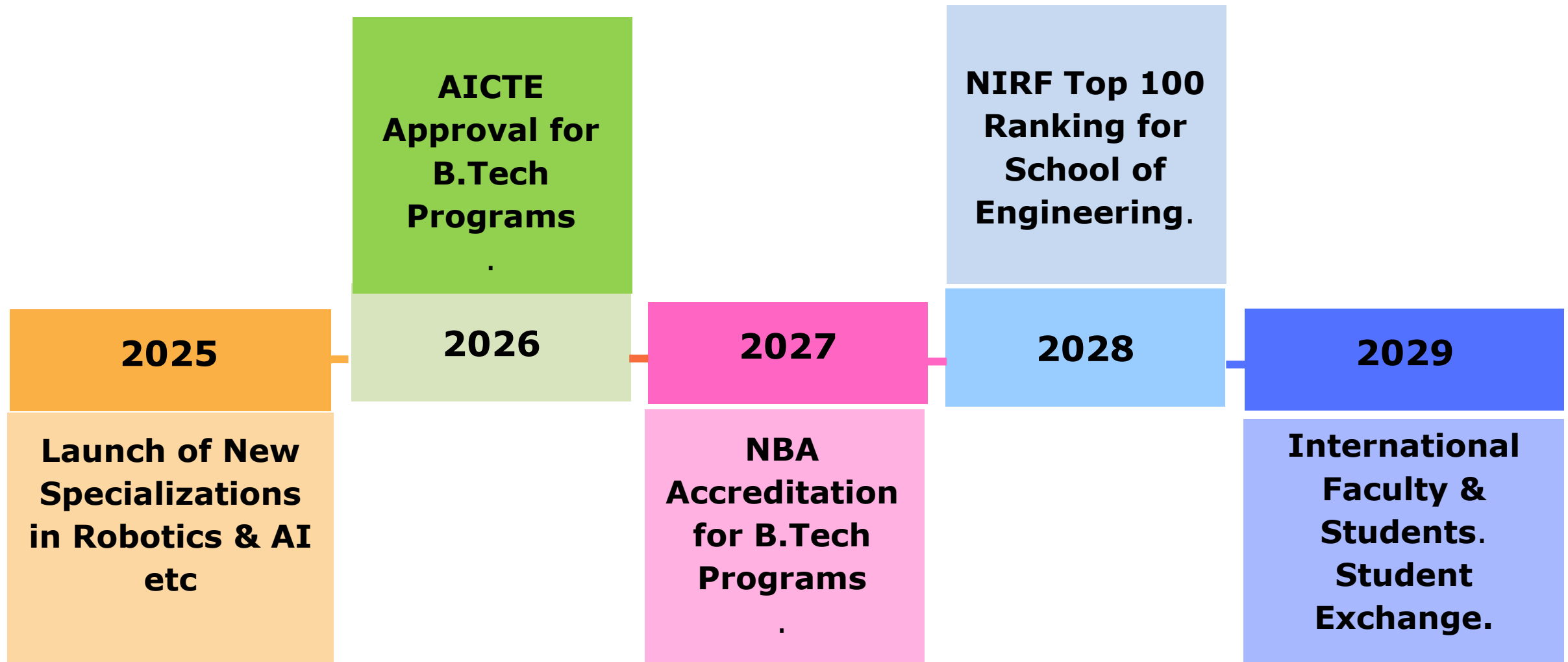
- 15-20% Courses by Industry Experts
- Curriculum by Industry Experts
- Full-Semester Engagement of Industry Expert
- Industry Certifications & Internships
- Industry Collaborators: IBM, EC Council, Nasscom, Samatrix, Imagin-XP, Xebia, C-DAC etc
- Focus on Diverse Industry Domains: AI & ML, Cyber Security, Data Science, UI & UX, Full Stack, Cloud Computing etc

PROJECT-BASED & INNOVATIVE LEARNING

- Projects & Internships in all years of study (15% Credits)
- Project based lab assignments (4-5 Mini Projects)
- Projects through COE: Robotics , AI & ML
- Industry based & Real-world Projects
- Mindbenders/RoboRush: Innovative Project Competitions.
- Hackathon: innovative & real-world problem solving.
- Recognition & awards to winners in project competitions

[Details](#)

SOET Vision 2029: A 5-Year Strategic Roadmap





THANK YOU