



MAHATMA GANDHI

INSTITUTE OF TECHNOLOGY (Autonomous)

(Bokanpally Village), Gandipet, Hyderabad, Telangana – 500075. www.mgit.ac.in



MOTIVATE
INNOVATE
EMPOWER

27
YEARS

IT CHRONICLE



DEPARTMENT OF IT

B.Tech Information Technology (IT) discipline was initiated with an intake of 40 in 1997 and the Department at present has an intake of 60 annually. The state of art facilities and well qualified faculty are taking care of all round development of the students and make them industry as well as job ready. In addition to quality teaching, students are exposed to certification courses and workshops along with personality development programs. The gradual increase in the number of participants and competitors for various programs and the growing number of placements reflects the impact of these programs. The department is strengthened with a total of 20 faculties out of which 5 holds a Doctorate and 10 are pursuing Ph.D's and 4 are holding M.Tech degree

Editorial Committee of Information Technology



Dr. D. Vijaya Lakshmi
Professor & Head of IT Department



B Tulasidasu
Faculty Editorial Memeber

HOD MESSAGE OF INFORMATION TECHNOLOGY



Dr. D. Vijaya Lakshmi
Professor & Head of IT Department

MISSION

Information Technology is also called Innovation Technology or Invention Technology. The scope of Information Technology is flourishing with no ends.

The Department of Information Technology was started in MGIT in the year 1997 with an annual intake of 60 students. The Department has well qualified faculty members and experienced non teaching staff. Most of the faculty members pursuing their Ph.D with reputed Institutions.

The Department has well established independent laboratories with well equipped systems. The Laboratories have all required facilities to make students learn the new Emerging Technologies like Data Analytics, Data Mining, IoT, AI, Machine Learning, and Open Source Technologies.

The faculties of Department are working on sanctioned research projects by AICTE. The students work with various clubs/ professional chapters like ASME, ISTE, IEEE and Innovation Club. They showcase their potential knowledge in the form of development of product and organize various workshops /seminars/conferences.

Our students are favorites of industry because of the consistent hands-on approach of our curriculum, our excellent laboratories, the long-time connections between Department and the Industry. Whether you are a student, parent, prospective faculty member or a curious member of the public, I invite you to read our web pages and find a way to become part of the MGIT Family. We hope you will also have the opportunity to visit us in our state-of-the-art facilities.



VISION

To keep abreast of the latest developments with an aim to nurture and to equip students with tools and applications, to develop socially useful technologies and to transform students into future global technocrats.

MISSION

- ♦ To transform the department progressively into a Centre of Excellence.
- ♦ Familiarize all the stake holders with cutting edge technologies necessary for nation- building.
- ♦ Maintain global standards in education, training and services through quality environment and technical know-how.

PROGRAMME EDUCATIONAL OBJECTIVES(PEOs)

- I. To provide students with a sound foundation in the fields of English, Mathematics, Science and Technology so as to work productively as IT Professionals, in leadership roles.
- II. To train students in order to develop the ability to design, construct, install and optimize the use of electronic devices, informatics, automation tools and Communication Skills to use in a variety of applications.
- III. To equip students to recognize and understand the social, cultural, Ethical, global and environmental responsibilities of the professional engineer, and the need for sustainable development.
- IV. To provide opportunities for students to engage them in continuous academic lifelong learning and to update them in their profession to groom them as leaders in the technological world.



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Program Specific Outcomes (PSOs)

- ♦ Foundation of Computer System: Ability to understand the principles and working of computer systems. Students can assess the hardware and software aspects of computer systems.
- ♦ Foundations of Software development: Ability to understand the structure and development methodologies of software systems. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a broad range of programming language and open-source platforms.
- ♦ Foundation of mathematical concepts: Ability to apply mathematical methodologies to solve computation task, model real world problem using appropriate data structure and suitable algorithm.
- ♦ Applications of Computing and Research Ability: Ability to use knowledge in various domains to identify research gaps and hence to provide solution to new ideas and innovations.

• Program Outcomes (POs)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



The Department Salient Features:

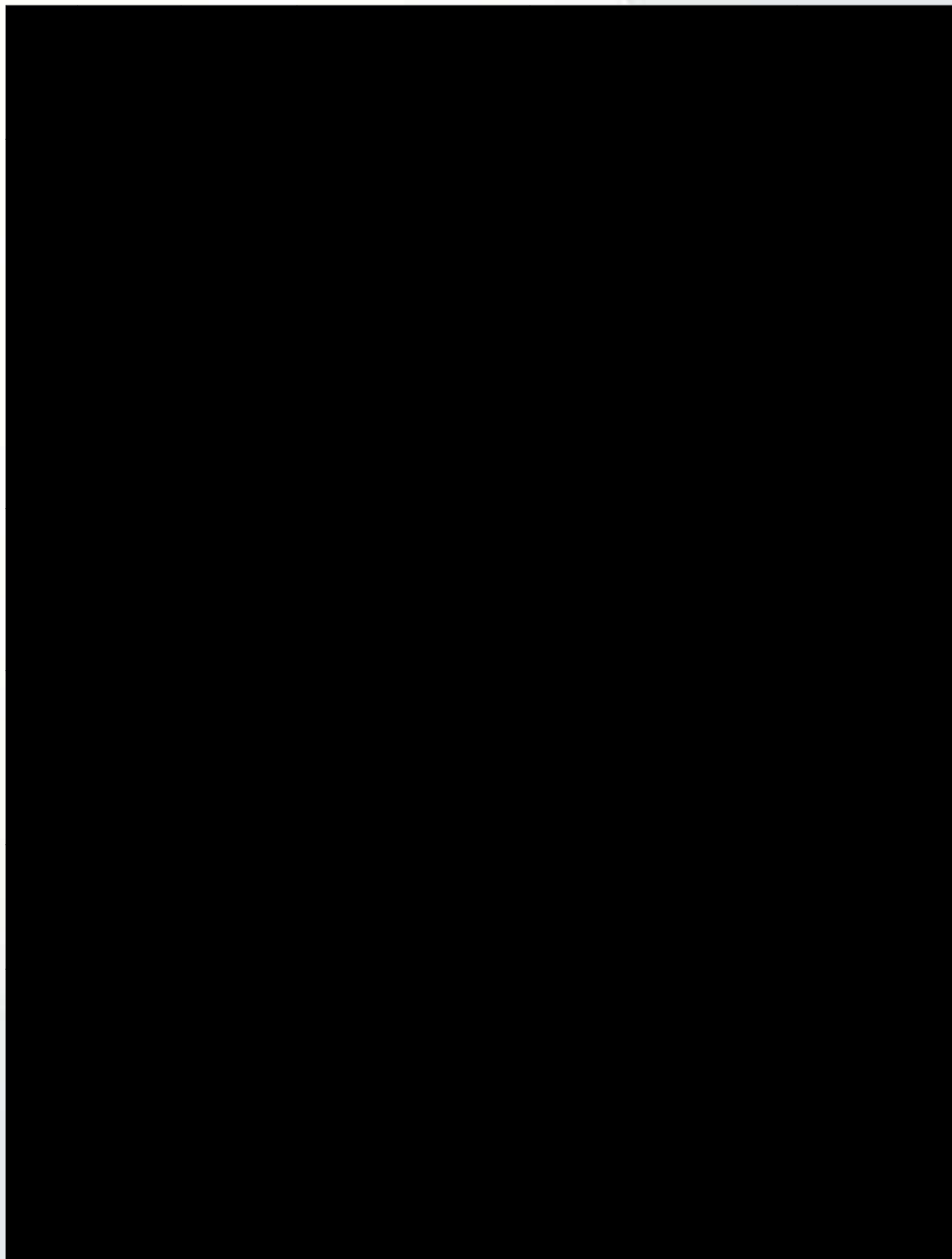
- MoUs with Industry
- Training and Certification Programs
- TASK (Telangana Academy for Skill & Knowledge), Cisco certification, Oracle Java Certification, SSSIT (core java), Amazon etc
- Student Professional Bodies
- IEEE, IETE, CSI, ISTE Student Chapters, Glug Club
- Free Software Foundation (FSF) have been intensely involved in Co-curricular activities giving full benefit and encouragement to the students-SWECHA
- International, National Workshops/Webinars
Public Profile
- Our Faculty holding the Awards for Mentoring the NPTEL MOOCS courses.
- Many of the students and faculties have achieved Elite and Gold Certification for MOOCS courses under NPTEL.



Departmental Activities

D-307 and IV B.
Tech- IT
Students

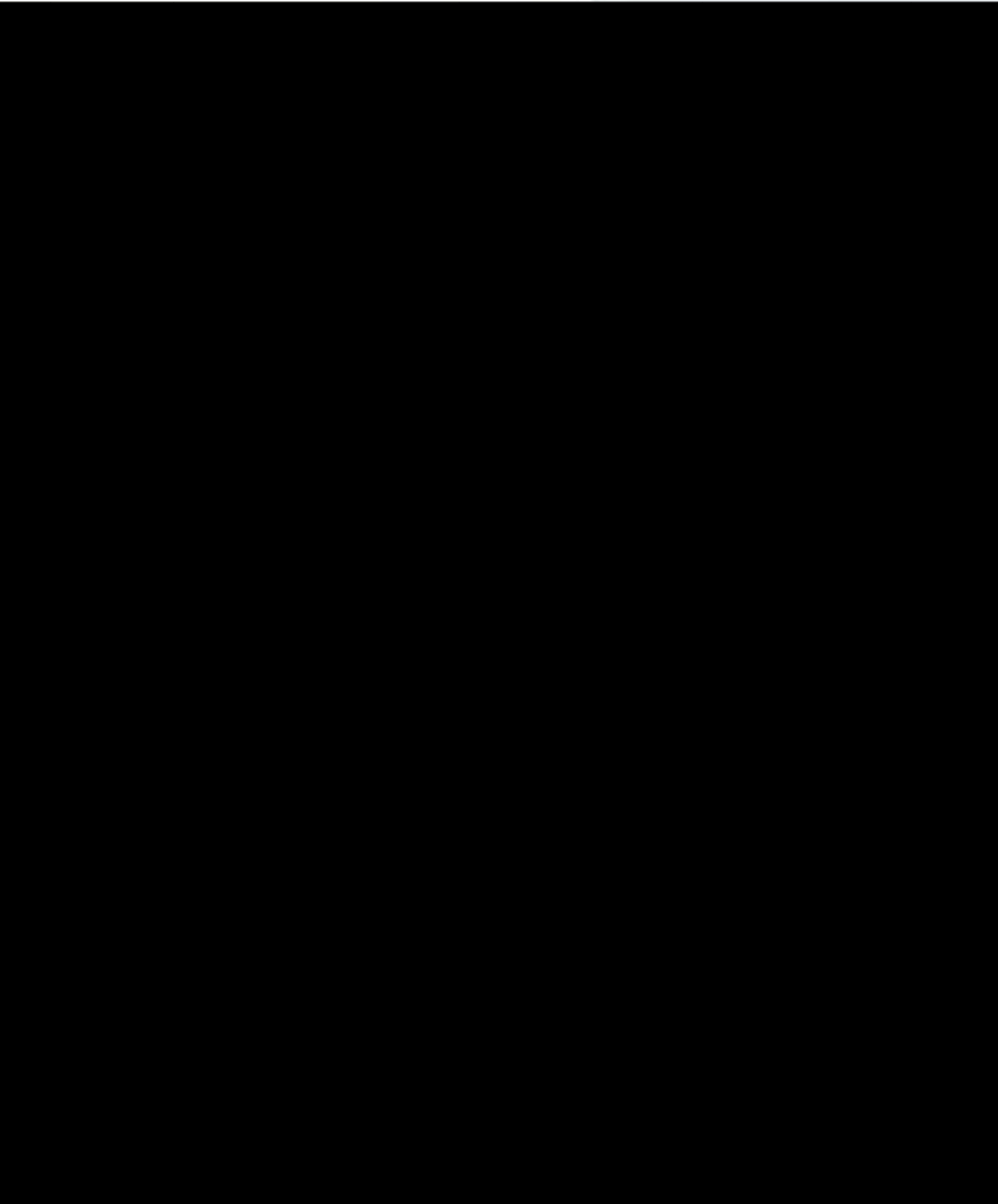
Departmental Activities



ni

Alumni,
Students
and
Staff

Faculty Participation:



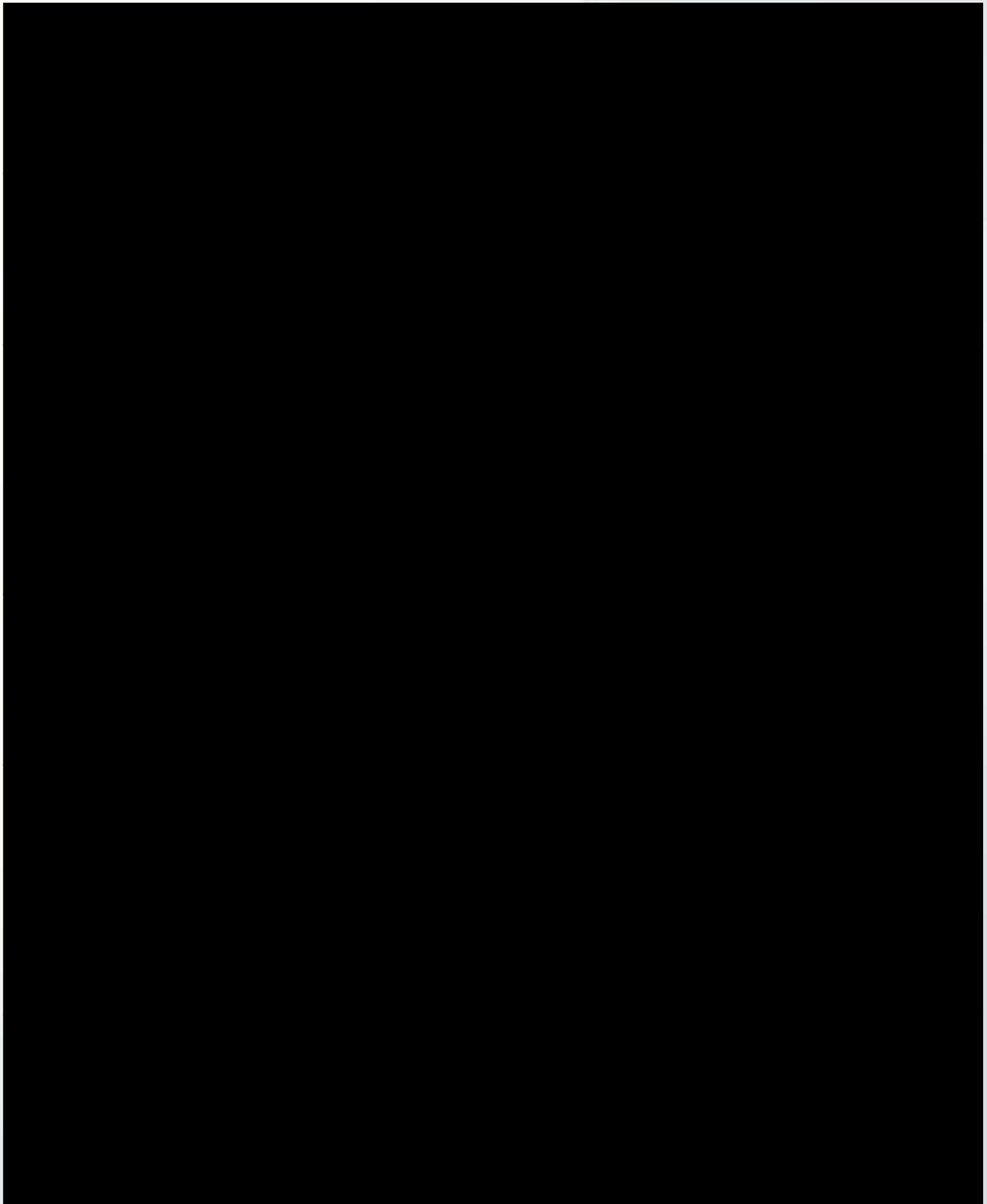
SOLUTIONS
Pvt. Ltd.

Coordinator



Faculty Participation:

Faculty Participation:



Faculty Participation:

5 Days Online
STTP on “Data
Science for
Business”

Organized by
Department of
AI&DS,
Vishwakarma Institute of
Information Technology,
Pune

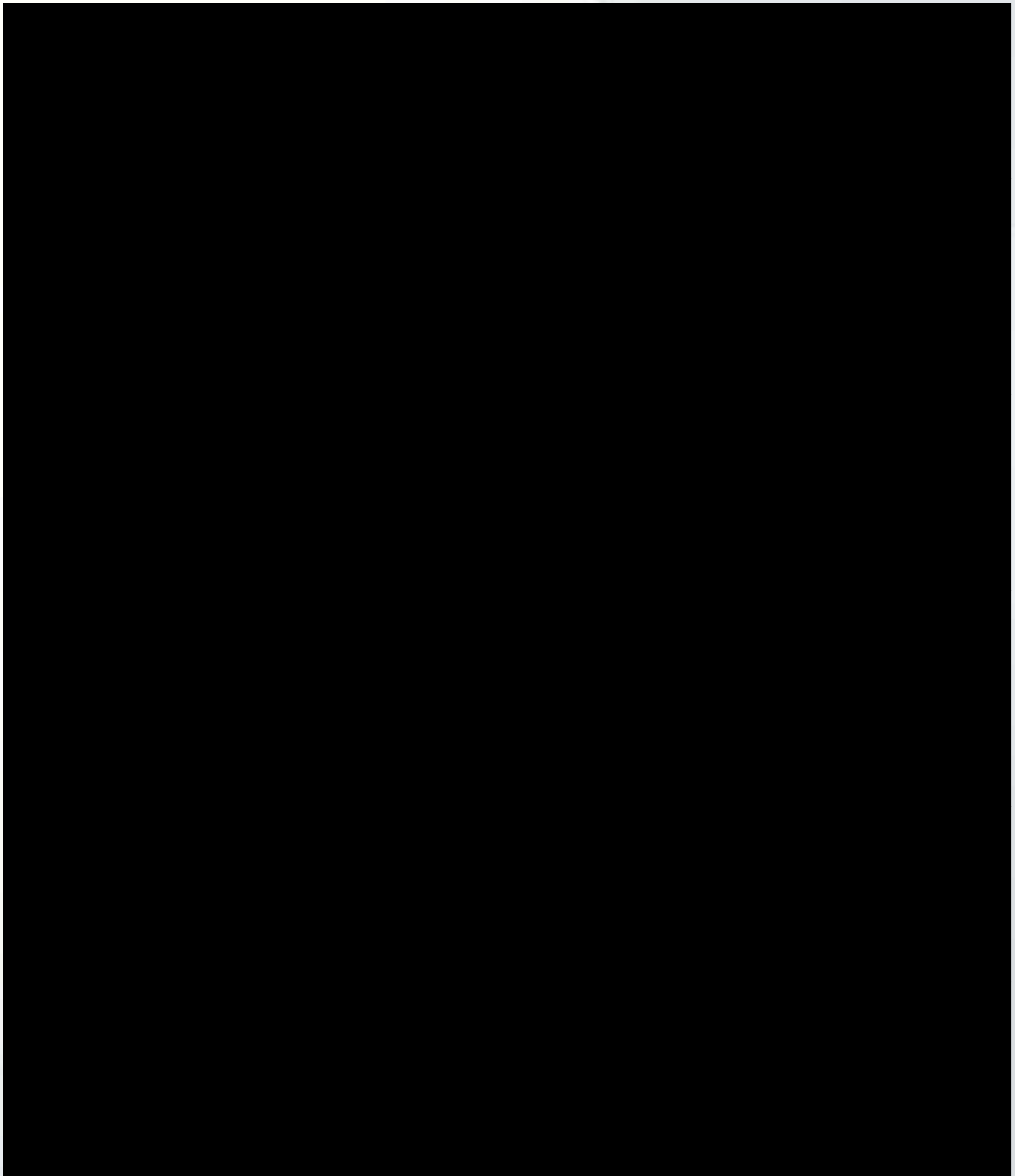
4th to 8th September, 2023

Certificate Received



Faculty Participation:

Faculty Participation:



Faculty Participation:

Certificate
Received

Faculty Participation:

Professor,
Dept.
Of IT
Learning based Anomaly
Detection and Classification
of 3D MRI Brain Imaging
Data

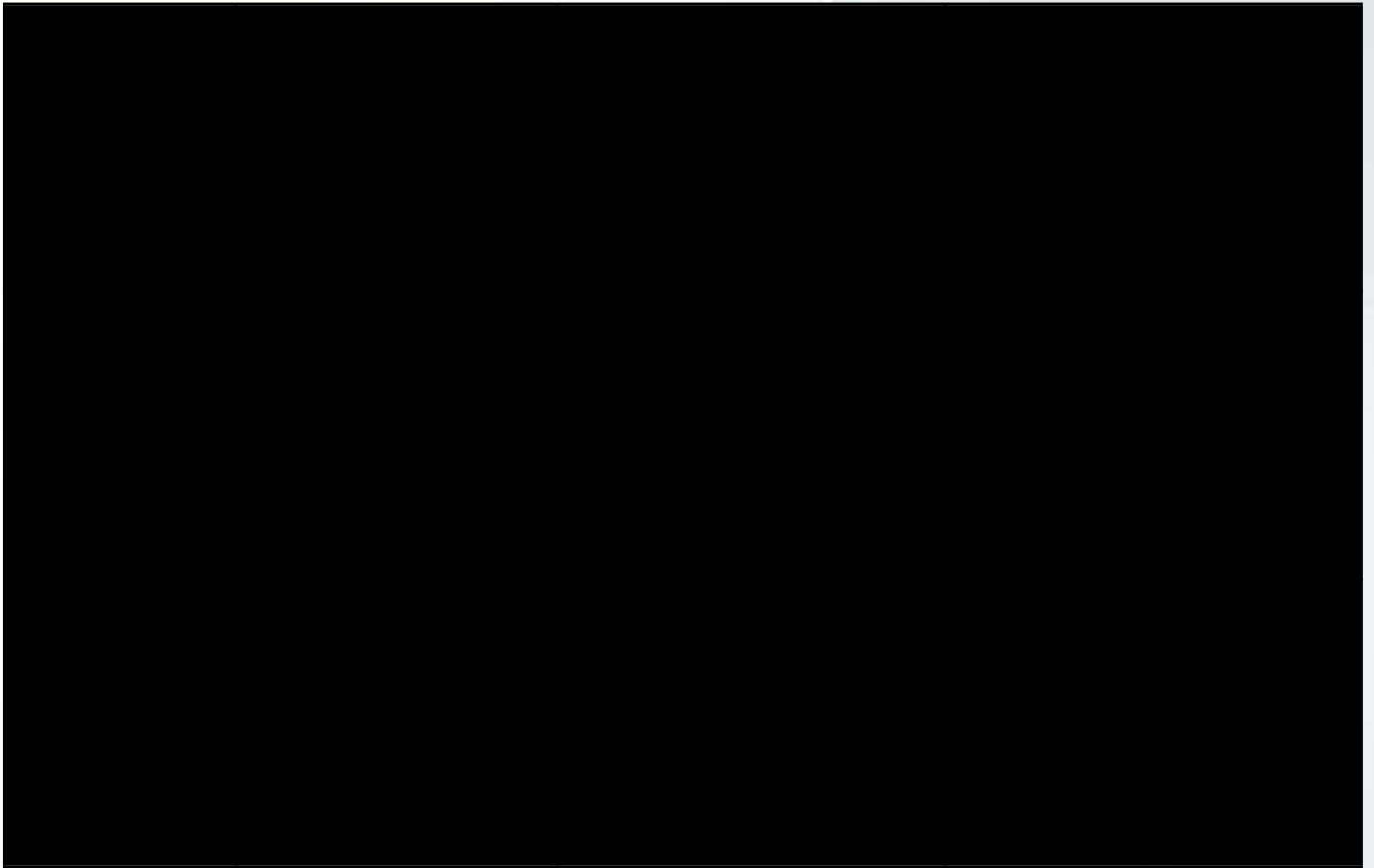
Tamilnadu.

Received

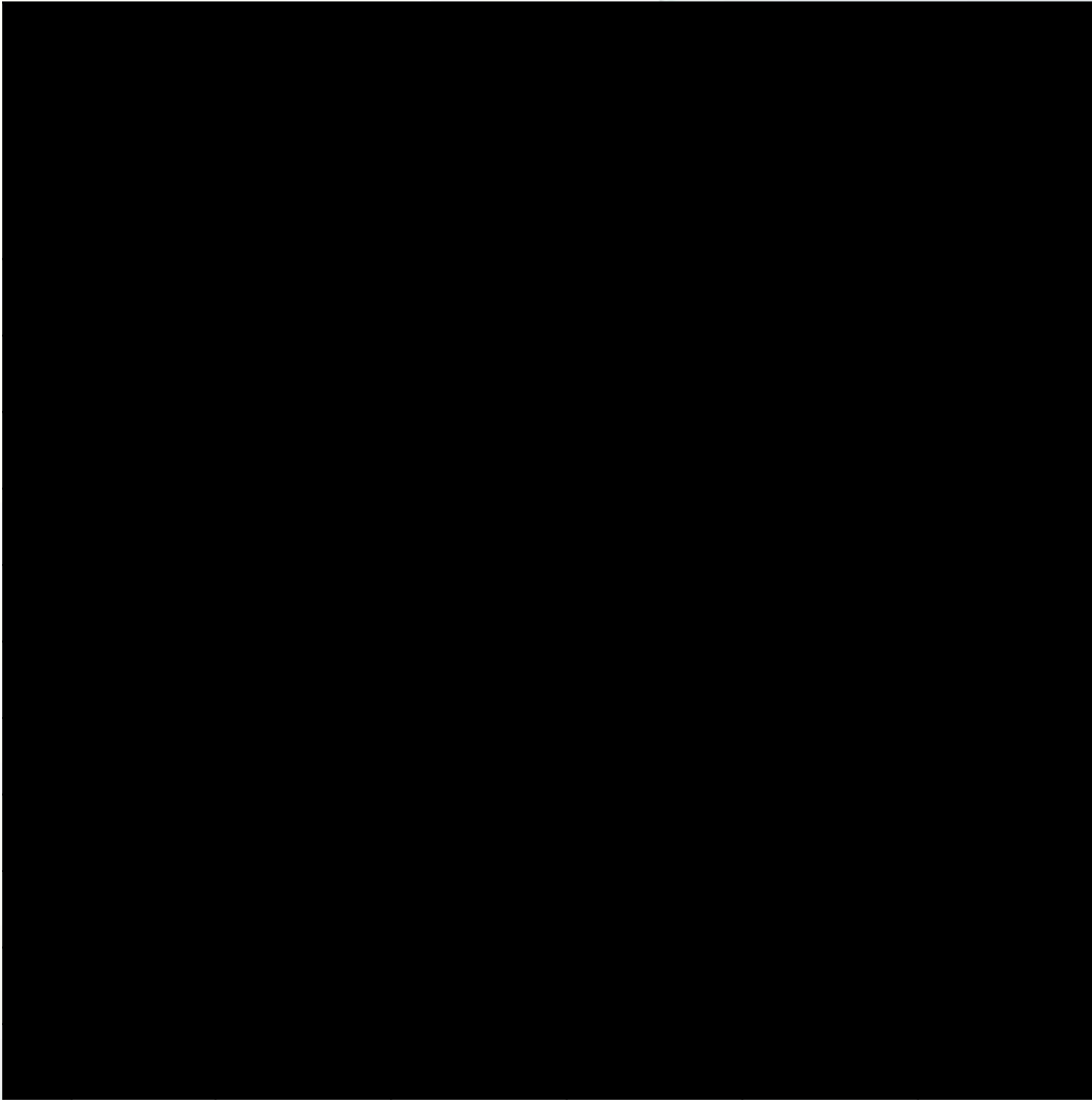
Faculty Participation:

Dept.
Of IT

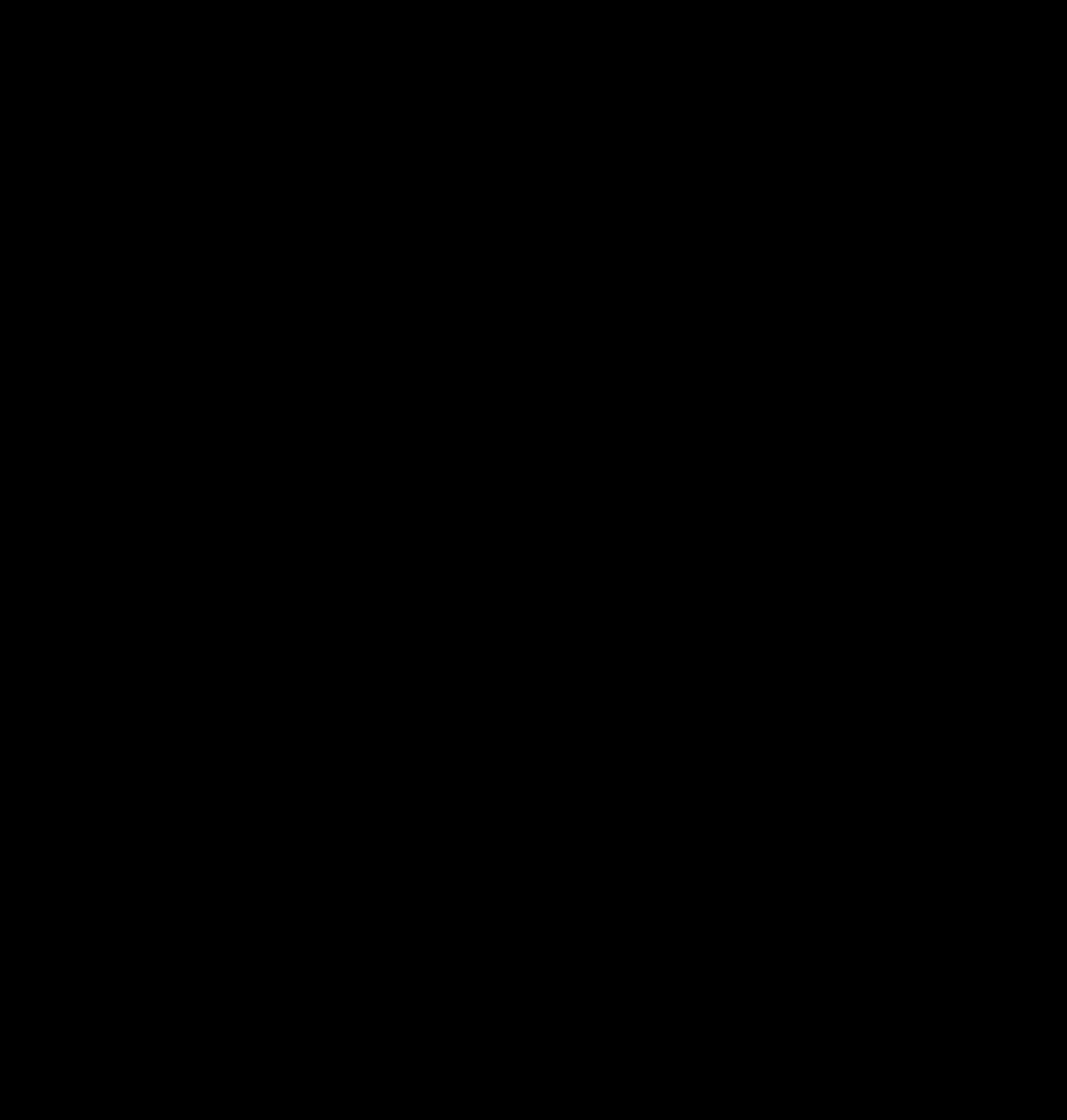




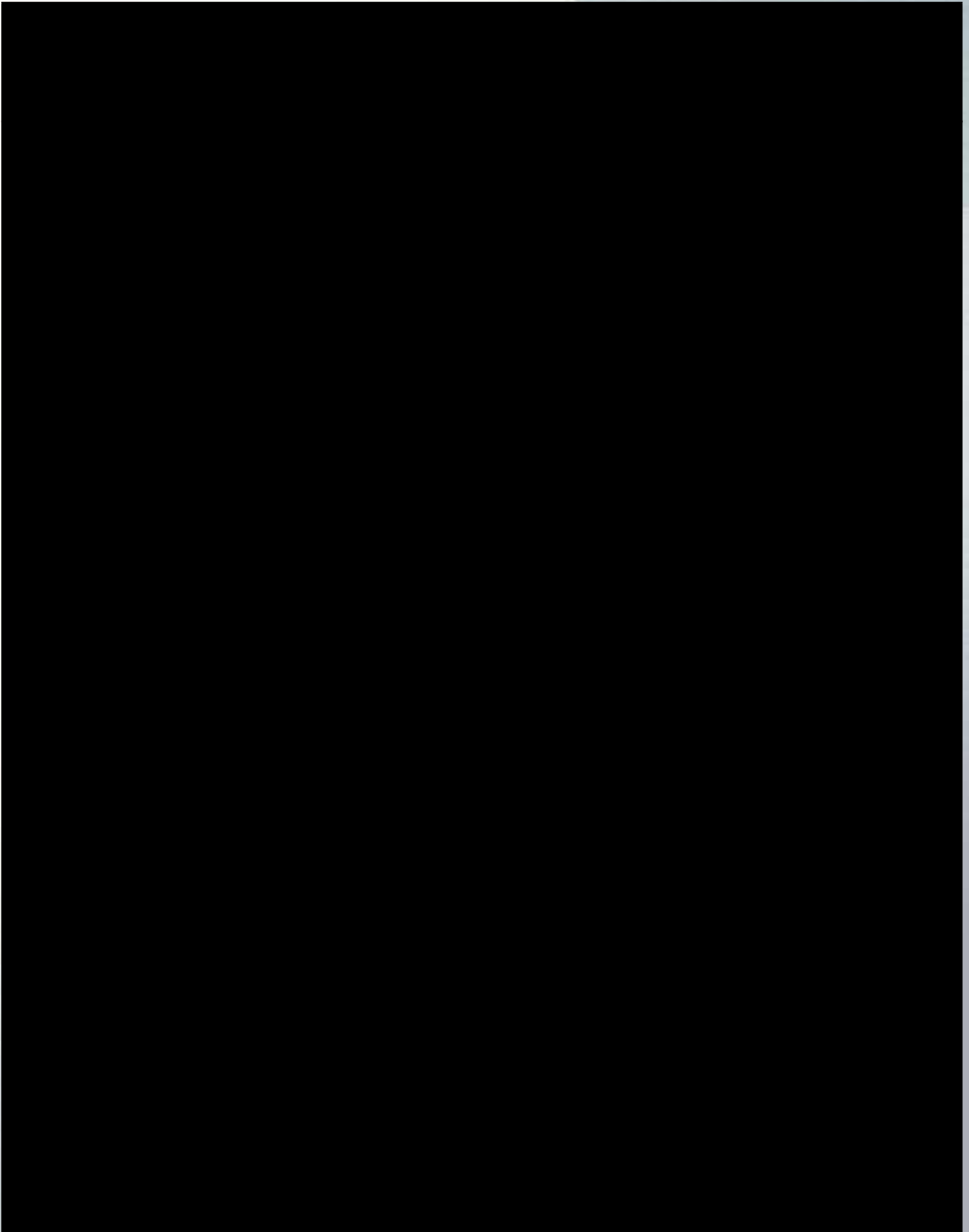
Activities / Achievements related to Students:



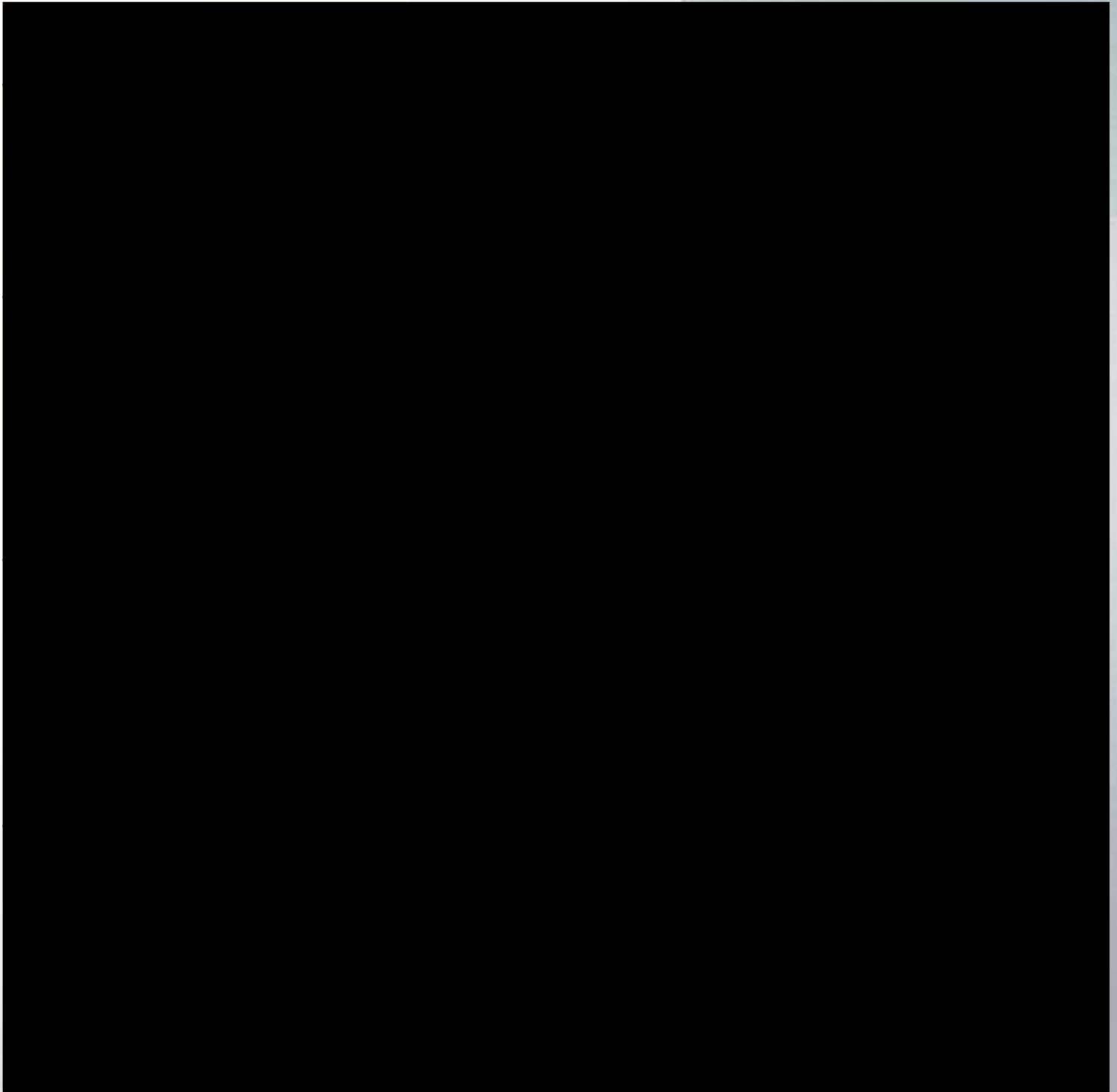
Activities / Achievements related to Students:



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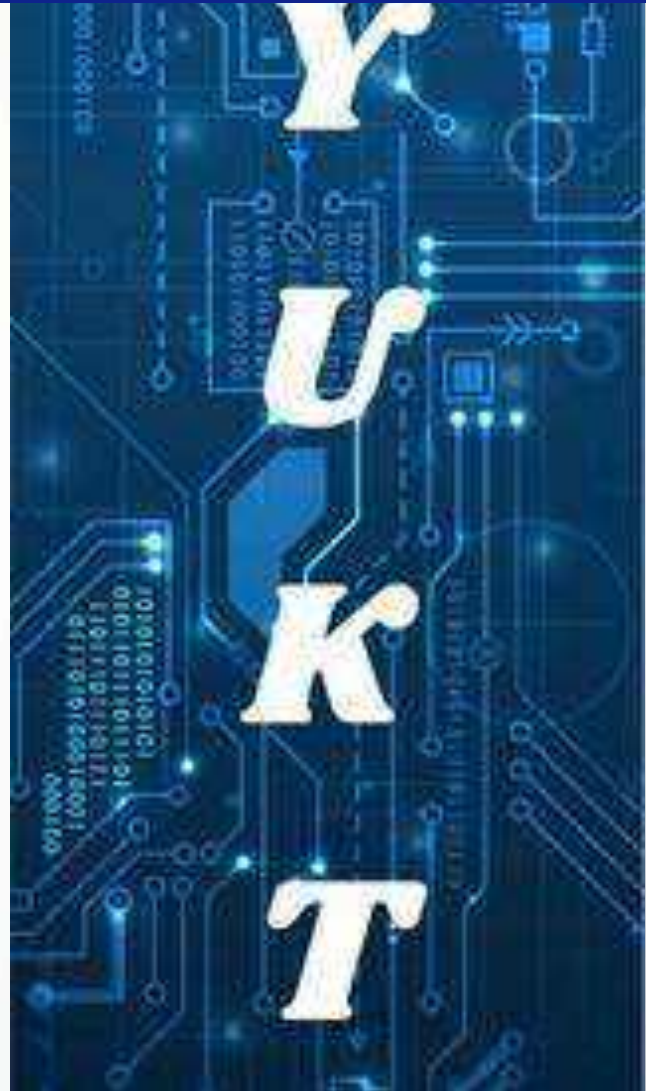
Student Internships

Placements Details

Public Profile

YUKTI-2023 A National Level Technical Symposium

The IT Department of MGIT is conducting Yukti. A National Level Technical Symposium yearly once. This Technical Fest helps the students to expose their hidden talents in various activities like Paper Presentation, Poster Presentation, CodeDig, etc. The Department of IT conducted YUKTI '24- A National Level Technical Symposium on 22nd November, 2024. The Department motivates students to take up innovative projects and always strives to help students in molding their career to become future technocrafts.



Prize and memento Distribution



Culture and Education have no bounds or limits; now man is in a phase in which he must Decide for himself how far he can proceed in the culture that belongs to the whole of humanity.

IT CHRONICLE



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IT CHRONICLE

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (A)
DEPARTMENT OF INFORMATION TECHNOLOGY
REPORT ON YUKTI-2024

"YUKTI-2024 " A NATIONAL LEVEL TECHNICAL SYMPOSIUM organized by Department of Information Technology, Mahatma Gandhi Institute of Technology is aimed to highlighting the technical knowledge & skills of the engineering aspirants by providing them with an enlightening platform. "YUKTI-2024 is a National Level Technology Symposium fest g held during the 21st March 2024. The fest was held in the sprawling Campus of our college. As a part of it technical events such as Paper & Poster presentation, TechQuest, Code Hunt and non-technical events such as Meme Contest, Fun Spark, one min challenge and SmashKarts were organized .Students from various colleges in and around the city participated in various technical and non-technical events, win exciting prizes and exchanged their ideas. More than 120 students participated in this year.

Dr.D Vijaya Lakshmi garu acted as convenor for this Quest. Mrs Ch. Lakshmi Kumari and Mr.B. Tulsi Das acted as faculty coordinators. Mr.E.Sathvik Raj and Ms. Neethika acted as student convenors, Mr M.Steve Philip and Ms A.Jhanavi acted as Co Convenors, Many of our students from ITwork as event coordinators, volunteers and organizing committee members. Souvenir was also released as a part of this event.

We thank our Management, Principal Sir, and HoD madam for encouraging us to conduct this technical symposium. Many thanks to our colleagues who supported us to make this event a great grand success. We also thank our Students and participants whose enthusiasm and cooperation made this event huge success.

Faculty Coordinators
M r s Ch. La kshmi Kumari and Mr B. Tulsi Das

Convenor
Dr.D.Vijaya Lakshmi.

TECKHRITI-2023 A National Level Technical Symposium



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MOTIVATE
INNOVATE
EMPOWER **26** YEARS

DEPARTMENT OF IT (CSBS)
COMPUTER SCIENCE AND BUSINESS SYSTEMS
PRESENTS
A NATIONAL-LEVEL TECHNICAL SYMPOSIUM

TECHKRITI
INNOVATE . CONNECT . INSPIRE

TECHNICAL EVENTS

- PAPER PRESENTATION
- POSTER PRESENTATION
- CODE UNSEEN
- 5 SECOND RULE

NON-TECHNICAL EVENTS

- BRANDS RUSH
- CIPHER CHASE
- TAMBOLA
- GEO GUESSR

21ST MARCH, 2024
D-BLOCK, MGIT

CONVENER
Dr.D.Vijaya Lakshmi
Professor & HOD, IT

FACULTY CO-ORDINATORS
Mrs.J.Hima Bindu
Mrs.A. Amulya

STUDENT CONVENERS
M.Ridhvik Reddy-9059637503
Laxmi Pravallika - 7672034680

STUDENT CO-CONVENERS
Aditya Varma - 7093095236
M.Pravallika- 8019681162

Sponsored by
EIPL

a.

The IT Department of MGIT is conducting TECKHRITI. A National Level Technical Symposium is held yearly once. This Technical Fest helps the students to expose their hidden talents in various activities like Paper Presentation, Poster Presentation, CodeDig, etc.

The Department of IT conducted TECKHRITI '24- A National Level Technical Symposium on 21st March, 2024. The Department motivates students to take up innovative projects and always strives to help students in molding their career to become future technocrafts.



TECHKRITI-2023 A National Level Technical Symposium



EVENTS

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
MOTIVATE INNOVATE EMPOWER 26 YEARS

DEPARTMENT OF IT (CSBS) **TECHKRITI**


PAPER PRESENTATION

ENTRY FEE
INDIVIDUAL - ₹40
TEAM - ₹60

21st MARCH
C-002

CONTACT:
RANVA : 7999268286
SNEHA : 8090553614

Winners and runners will receive exciting prizes, while all participants will be awarded with certificates.



MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
MOTIVATE INNOVATE EMPOWER 26 YEARS

DEPARTMENT OF IT (CSBS) **TECHKRITI**


POSTER PRESENTATION

ENTRY FEE:
- ₹50
- ₹100

21st MARCH
C-002

An opportunity to win exciting prizes!!!

FOR DETAILS:
Bhavana : 8369542614
C. Nazrin : 9030256580



DEPARTMENT OF IT (CSBS) **TECHKRITI**

<CODE UNSEEN/>

CODE BLIND: UNLEASH YOUR POTENTIAL!

MAR 21


Prize Money:
1st Prize: ₹800
2nd Prize: ₹500
3rd Prize: ₹200

SCAN ME

D-407

₹50/-
₹180/-

STUDENT COORDINATORS
ARUNAV : 9598455480
Sal Charan : 7981961904



DEPARTMENT OF IT (CSBS) **TECHKRITI**

SECOND RULE

Test Your Wits Against The Clock

ENTRY FEE
SOLO : ₹40/-
DUO : ₹70/-

PRIZE MONEY
1ST PRIZE : ₹200/-
2ND PRIZE : ₹150/-

CONTACT :



EVENTS



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MOTIVATE
INNOVATE
EMPOWER

26

YEARS



DEPARTMENT OF IT (CSBS)

TECHKRITI

BRANDS RUSH

The Ultimate "LOGO GUESSING" game!



Location: D-BLOCK 408

Date: 21st March 2024

CO-ORDINATORS:

SHRENIK : 7995866679

SABAREESH : 9121516898

SCAN ME



PRIZE MONEY

₹100

ENTRY FEE

SOLO - ₹30 /-

DUO - ₹50 /-










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DEPARTMENT OF IT (CSBS)

TECHKRITI

Guess The Place!!!





ENTRY FEE

 - ₹30

 - ₹50

SCAN ME



21st MARCH

D-408

PRIZES

1ST PRIZE - ₹100

2ND PRIZE - ₹70

FOR DETAILS:

HARSHA: 7075447269

PHANI: 8328689704

EVENTS Participation list

TECHKRITI 24 Participants List

S.No	EVENT	ORGANIZERS	PARTICIPANTS	Total
1	5 Second Rule	Bhavana G. Charita Renuka Bharath M. Karthik	Dhanush, Harsha, Imran, Ainesh Kevin, Sushanth, Steve Phani, Rishitha, Aditya	15
2	Paper Presentation	Ranya Sneha	Manchala david kevin Malluri vikas (1 st prize) T.Srija (2nd prize) Shaik saddam hussain Mahesh Datta	7
3	Code Unseen	Sai Charan P. Akshaya Sudeeshna Nishitha Parineeta Likhitha Meher	K Arukshithaaw, P.Raghu, Dheeraj singh Karthikeya, Madhav, Sathvik, Satwik Sai Rithik, Karthikeya, Pradyumna, koushal Abhiram, Varshini, shreetha, yaksba, siri Neha Mani, P, Tanmayi, sarayu, Kashish, sahithi Shaik Rayhan, Haritha, Vishnu Dinesh, Mubashir, Harshitha, Mahesh, Kavya, Lohith, Abhirami, Sanath koushal	40
4	Poster Presentation	D.Bhavana Deepika	Shreyavandana Shaik saddam hussain	4
5	Brands Rush	Shrenik S.Sabareesh Reddy Likhitha	P. Jahnvi, Murali, umar gitanjali, sanath, karthikeya, Rohit	10
6	Tumbola	Shiva Ganesh K. Om Prakash Sai Kumar Pardhsaradhi Reddy	Himneesh, Anirudh, Avinash Khushii Gupta, hari Sohan, Anu, Saman Numair Soharwardi Arpana, Likhitha, Rafay bhavani, anu harshini, Ajith	18
7	Cipher Chase	N. Karthik Narayan M. Wajahat Hussain Aryan Gnaneshwar Abhishek Sai Dubey	Vishnu, Abhay, Likhitha Ainesh, Bhavana, Manaswini Pranitha, Shriya, Harshitha Dharaneesh, Rishi, Siddarth Bharath Kalyan, Akshaya	19
8	Geo Guesor	Sri Harsha S. Phani Vardhan Dharaneesh	himneesh, Umar, Pranesh, Neha Sudiksha, Ainesh	9
			Total:	122

Faculty Co-ordinators
Ms J Hima Bindu
Ms A Amulya

Convenor
Dr. D. Vijaya Lakshmi

EVENTS REPORT

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (A) DEPARTMENT OF INFORMATION TECHNOLOGY REPORT ON TECHKRITI-2024

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Faculty Coordinators

1. Mrs J Hima Bindu
2. Mrs A Amulya



Dr.D.Vijaya Lakshmi

IT CHRONICLE



Culture and Education have no bounds or limits; now man is in a phase in which he must Decide for himself how far he can proceed in the culture that belongs to the whole of humanity.

IT CHRONICLE



Gandipet, Telangana, India
98RC+4FG, Kokapet, Gandipet, Hyderabad, Telangana 500075, India

Long 78.321034°

21/03/24 04:21 PM GMT +05:30

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EMPOWER

26
YEARS

INVITATION

MGIT ALUMNI ASSOCIATION



Cordially invite you to

“MGIT ALUMNI MEET and GREET”

On

26th August 2023 (Saturday) 5 PM onwards

Venue: MGIT, Hyderabad

REMINISCENCE-2024: MGIT Alumni Reunion

The Alumni Meet and Greet is regarded to be the most ideal occasion for alumni to meet old friends, forge new connections, and relive the magic of their time spent at the institute. The event aims at celebrating the achievements of alumni, while fostering a strong sense of community and mutual support. The Alumni Meet and Greet provides an invaluable opportunity for former students to network, exchange ideas, and explore potential collaborations. It is a platform where alumni can showcase their achievements, discuss career paths, and offer guidance to aspiring students who are on the cusp of embarking on their professional journeys. During this momentous occasion, attendees will have the opportunity to reconnect with former classmates and Professors. MGIT Alumni Association envisages a huge turn up of the Alumni of the Institute on this occasion.



December, 23, 2024, from 3 PM onwards
MGIT Campus, Hyderabad

Highlights:

- Networking Opportunities with Fellow Alumni
- Inspirational Talks from Distinguished Alumni
- Guided Campus Tours
- Gala Dinner and Cultural Program

REMINISCENCE-2024: MGIT Alumni Reunion

