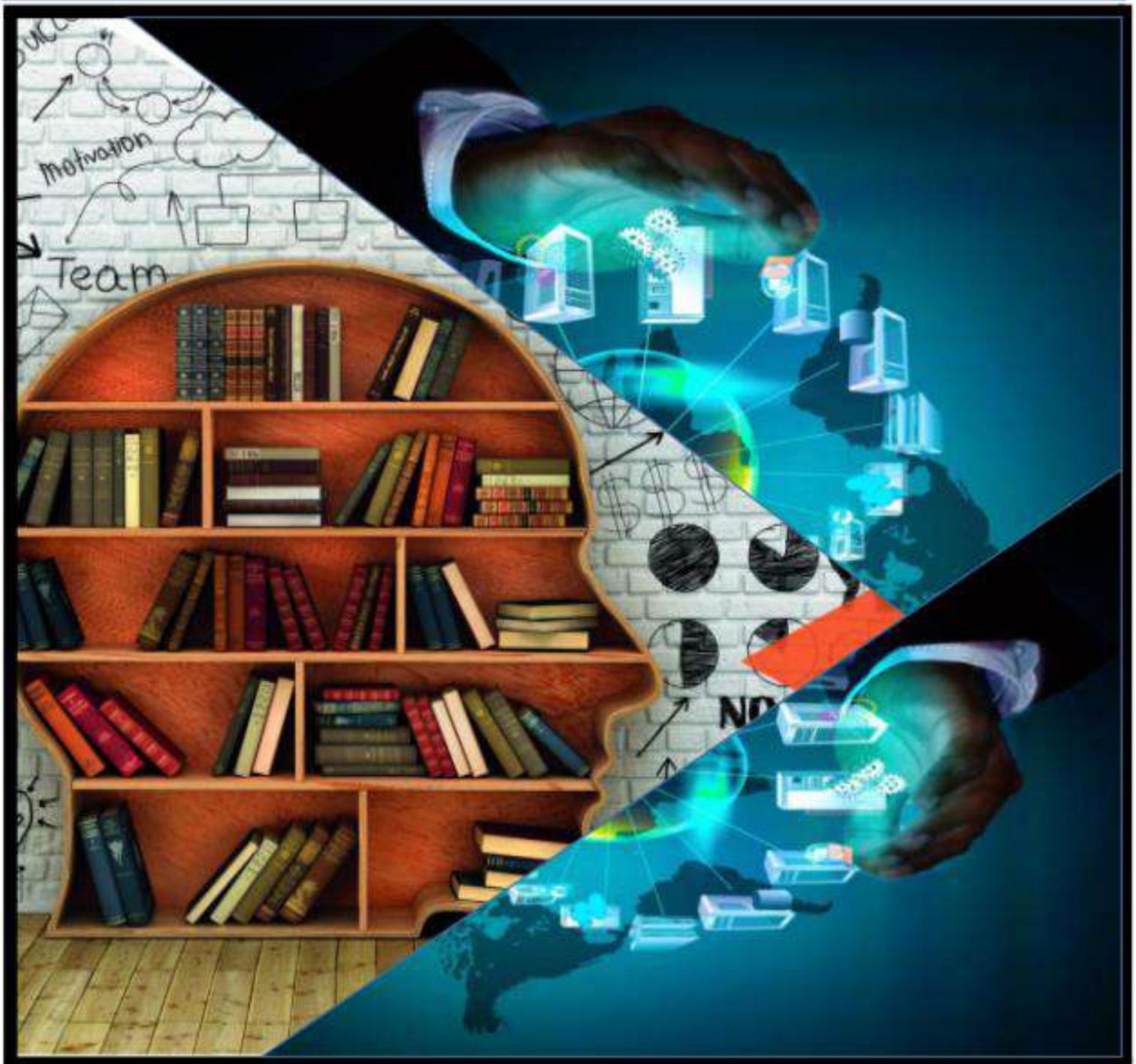


INFOSPARK

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Departmental Newsletter

Department of Information Science and Engineering



A.J. Institute of Engineering & Technology

(A Unit of Laxmi Memorial Educational Trust ®)

(Approved by AICTE, New Delhi, Accredited by NBA, Affiliated to Visvesaraya Technological University, Belagavi)

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A.J. Institute of Engineering & Technology

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Department of Information Science and Engineering

ABOUT THE DEPARTMENT

Department of Information Science and Engineering was established in the year 2016 with the establishment of AJIET, Mangaluru. The department is offering bachelor of engineering programme in Information Science & Engineering with an intake of 60 with excellent infrastructure. The department has well-qualified dedicated teaching and non-teaching staff with well-equipped laboratories to fulfil the academic needs of the students.

The major goal of the department is to produce highly knowledgeable, competent and resourceful young engineers who can excel in their respective profession.

“THE ONLY CONSTANT IN THE TECHNOLOGY INDUSTRY IS CHANGE”

DEPARTMENT VISION

To be a center of excellence in Information Science & Engineering education, research and training to meet the growing needs of the industry and society.

DEPARTMENT MISSION

- ❖ To impart theoretical and practical knowledge through the concepts and technologies in Information Science and Engineering.
- ❖ To foster research, collaboration and higher education with premier institutions and industries.
- ❖ Promote innovation and entrepreneurship to fulfill the needs of the society and industry.

PROGRAM EDUCATION OUTCOMES

PEO1: Analyse, design and implement solutions to the real-world problems in the field of Information Science and Engineering with multidisciplinary setup.

PEO2: Keep abreast with the technology, innovation and pursue higher education with high standards of social and professional ethics

PEO3: Develop professional and entrepreneurship skills to work effectively as an individual and in a team to meet the ever-changing goals of the organization

PROGRAM SPECIFIC OUTCOMES

PSO1: Design, implement and maintain the information systems that fulfill the current needs of the industry and society

PSO2: Apply computational theory, storage and networking concepts to solve the day to day problems of the world

“Technology is a useful servant but a dangerous master.”

— Christian Lous Lange

PROGRAM OUTCOMES

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 analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural science 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 sustainability: Understand the impact of the professional engineering solutions in the 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.

Lifelong learning: recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broader context of technological change.

HOD'S MESSAGE



The Department of Information Science and Engineering was established in the year 2016 with the establishment of AJIET, Mangaluru. The department is offering Bachelor of Engineering programme in Information Science & Engineering with an intake of 60 and obtained accreditation from National Board of Accreditation(NBA) for three years from academic year 2022-23 to 2024-25 upto 30-6-2025.

The department has excellent infrastructure with well-qualified dedicated teaching and non-teaching staff along with well-equipped laboratories to fulfil the academic needs of the students. The major goal of the department is to produce highly knowledgeable, competent and resourceful young engineers who can excel in their respective profession. The “InfoSpark”, Department newsletter highlights the activities and achievements of the Department. I am sure that readers will be delighted to know the achievements of the Department. Congratulating the editorial team for their sincere efforts

Editors Team

Chief Editor



*Dr. Suresha D
Professor & Head
Dept of ISE*

Editor



*Mrs. Sharanya P
Assistant Professor
Dept of ISE*

Student Editor



*Mr Pavan Shettigar
2nd Year ISE*



*Mr Athin P B
2nd Year ISE*



*Ms Prathiksha Karkera
2nd Year ISE*

DEPARTMENT ACTIVITIES

Technical talk on Blockchain Technology

Technical Committee, Dept. Of ISE, AJIET has organized “ Technical talk on Blockchain Technology” On 18-11-2022 at 11.00 AM to 12:00PM & venue : Seminar Hall-1 on Virtual Mode.

Shihas Kunju is presented about Blockchain Technology. A blockchain is a type of distributed ledger technology (DLT) that consists of growing list of records, called blocks, that are securely linked together using cryptography.

The objectives of Technical talk on Blockchain Technology

- To understand the scope of Blockchain Technology.
- To analyse the application of Blockchain Technology in the finance industry



INAGURAL CEREMONY OF HIEKA

The Department of ISE conducted inauguration ceremony of HIEKA; the student association on 17th November 2022 at 2:00PM in Seminar Hall – 1. For the formal function, the resource person along with principal Dr. Shantharama Rai C, HOD, Dept. of ISE, Dr. Suresha D, Staff Coordinator Mrs. Jayasree sivapuram along with newly elected office bearers of HIEKA Mr. Prakyath (President) and Mr. Prasthuth (vice President) were seated on the dais. HOD's of Various departments, staff members and students were present for the function.

Objectives : The Objectives of the talk on engineering life Objectives

- They focus their brainpower on solving problems through the application of science and mathematics, discovering new ways to make life better for the general public.
- Engineering design goals focus on problems through the application of creative thinking using scientific and mathematical principles.



Outcomes: On successful completion of program of this talk the student should be able to

- Creative process that marries technological perspective and design thinking methodologies.
- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics



Technical Event “ PHOTOSHOP ”

It is to provide hands on sessions for the participants on Google Docs, Forms, Google Sheets and Photoshop. The Google Docs is an online Word Processor to create and format documents and work with other people. The Google Forms is a free online tool from Google which allows users to create forms, surveys, and quizzes as well as to collaboratively edit and share the forms with other people. The Google Sheets is an online spreadsheet application to create and format spreadsheets and work with other people. The Photoshop is an image creation, graphic design and photo editing software developed by Adobe. The software provides many image editing features for pixel-based images, raster graphics and vector graphics.



Outcomes: On successful completion of program of this technical talk the student should able to:

- 1 Students achieved quality in document processing
- 2 Students achieved insight of designs.

Objectives: The objectives of Technical talk on Google Suits and Photoshop

- TO enhance Technical quality of documentation among engineers
- To enhance crucial legal, technical, and design-related knowledge.



“Technical talk on Placement ”

KISHAN has presented about pattern problems like what is patterns problems and how to solve pattern problems and some examples.

Anish has presented about basic programmes with examples.

Prakyath has presented about fundamentals of basic designs and principles of ux.

Sanjay has presented about Hr questions in placement drive.

Radha Krishna has presented about Aptitude & retermes.

Objectives: The objectives of Technical talk on Placement Planning and organizing various Placement drives in campus
To build the bridge between industry and academia.



Outcomes: On successful completion of program of this technical talk the student should able to:

Understanding the requirements of corporate and getting information about career planning process.

Focus more on personality development, positive attitude and right career decision making skills.



Pooja Celebration Aayudha Pooja

A grand celebration of Aayudha Pooja was held on 04-10-2022 in front of the ADE laboratory at 09.30AM onwards in the presence of Principal Dr. Shantharam

Rai C, and HOD of ISE Department Dr. Suresha D and HOD's of various Departments along with Faculties and students. Aayudha Pooja rituals were carried out by the Kshma in presence of a large number of devotees along with the Bhajana program from the students of ISE.

The arrangements for the program were actively done by the Students of ISE Departments with the guidance of HOD and faculties.

All the labs were Beautifully decorated along with the rangoli of flowers as a sign of celebration. After the rituals prasadam were distributed to the devotees.



Farewell to the Students of 2018-2022 Batch

The farewell programme for the 2018-2022 batch (CIAO-2022 Farewell) was organized by the department of Information Science & Engineering in association with the department student association on 30th June 2022 at 2:00 PM. The event was conducted in the presence of Dr. Nagesh H. R. head of the department, Dr. Naganna Chetty the event coordinator, Mr. Rakesh M. R. the student coordinator, all faculty members, non-teaching staff and the department students. The formal function is hosted by Ms. Greeshma C. Poojary of the 2nd year and began with a prayer by Ms. Shraddha and Ms. Nirmala of the 3rd year, followed by the welcome speech by Mr. Ram Krishna of the 3rd year. Mr. N. Arul, a department faculty member shared his views with the students. Dr. Nagesh H R addressed the gathered students with appreciation, encouragement, good wishes, and a request to be in touch with the institute in the future. Some of the graduating students expressed their views towards the faculty members, department, and the institute. The formal function is ended with a vote of thanks by Ms. Erica Fernandez of the 3rd year. In the mid of the informal function, the graduating students received the framed photograph of their batch as a token of love



INDUSTRIAL VISIT TO GLOW TOUCH MYSORE

Department of Information Science and Engineering is organised an industrial visit for 3rd year B E students. Total 32 students from 5th semester Information Science and Engineering are visited to a software industry “Glow Touch”, Siver Spirit Tech Pak 316-318, WAP Factory Road, Hebbal, Mysore on 18th November 2022. These students are accompanied by Prof. Prabhakara B K, Associate Professor, Department of Information Science and Engineering and Prof. Sahaya Shamini R, Assistant Professor, Department of Information Science and Engineering.

Objectives: The program Industrial Visit enables students to

- Industrial visits provide the students with an opportunity to learn practically through interaction, working methods and employment practices.
- It gives the students an exposure to current work practices as opposed to theoretical knowledge being taught at their college classrooms.
- Industrial visits grant the students a great opportunity to interact with industries and know more about industrial environment.

Outcomes: On successful completion of program of this Industrial Visit the student should able to:

- Interact and learn from experts in the industry.
 - Opens new venues for learning by seeing.
- Helps them explore the other end of the horizon



Ethics for professional engineers and how to develop teamwork knowledge and skillset

The talk is conducted to provide knowledge and skills that are vital to society. Professional engineers are regulated by ethical standards above and beyond laws and personal morals. Talk also encouraged students to know more about professional engineering society. The talk was useful for the enhancement of human welfare. By this talk, students were motivated to increase the competence and prestige of the engineering profession. Through this event, the students are able to function effectively as a member of an interdisciplinary team.

Objectives: The program Ethics for professional engineers and how to develop teamwork knowledge and Skillset enable students/faculty to

- To enhance Technical quality among engineers.
- To enhance teamwork, skillset-related knowledge.



Outcomes: On successful completion of program of this talk the student should able to:

- Apply the role of business ethics when solving problems and making decisions.
- Lead and productively participate in group situations.



FACULTY ACHIEVEMENTS

- ❖ Dr. Naganna Chetty, Sreejith Alathur, Rajesh R. Pai, Vishal Kumar and Sahraoui Dhelim published paper titled Hate and False Metaphors: Implications to Emerging E-Participation Environment on Nov. 2022 in International journal future internet <https://doi.org/10.3390/fi14110314> Scopus Indexing.
- ❖ Dr. Suresha D, Aravinda Chikmagalur Ventakaramu, Prakash Hebbakavadi Nanjundaiah and Kyasambally Rajasekhar Udayakumar Reddy published a paper titled Off-Line Signature Confirmation based on Cluster Representations of Geometrical and Statistical Features through Vector Distance, Neural Network and Support Vector Machine Classifiers on 2022 in The International Arab Journal of Information Technology, <https://doi.org/10.34028/iajit/19/4/11> SCI Indexing.
- ❖ Dr. Naganna Chetty, Sreejith Alathur, Vishal Kumar published a paper titled Technology-Assisted Social Reforms and Online Hate Content: Insights from India on Sep. 2022 in International Brazilian Archives of Biology and Technology, <https://doi.org/10.1590/1678-4324-2022210664> SCI & Scopus Indexing.
- ❖ Dr. Naganna Chetty, Sreejith Alathur published a paper titled Climate Policy and e-Participation Resilience: Insights from Social Media in Jul. 2022 International Working Conference on Transfer and Diffusion of IT https://doi.org/10.1007/978-3-031-17968-6_24.
- ❖ Mr. John Prakash Veigas, Sharmila Kumari M published a paper titled Deep learning approach for Touchless Palmprint Recognition based on Alexnet and Fuzzy Support Vector Machine on 2022-09-30 in International Journal of Electrical and Computer Engineering Systems <https://doi.org/10.32985/ijeces.13.7.7> ESCI & Scopus Indexing.

STUDENT ACHIEVEMENTS

CULTURAL, TECHNICAL AND SPORTS

Student Name	Place	Prizes
Sukanya N Shet	Mangalore Institute of Technology & Engineering, Moodabidri	Literally Dumb Technocrafts Tech Dumb Charades
Sukanya N Shet	Mangalore Institute of Technology & Engineering, Moodabidri	Group Eastern Dance
Sukanya N Shet	St Joseph Engineering College, Mangaluru	Nruthya
Greeshma C Poojary	Canara Engineering college	Battle of Crew
Anish Suvarna	Mangalore Institute of Technology & Engineering, Moodabidri	Group Eastern Dance
Anish Suvarna	St Joseph Engineering College, Mangaluru	Nruthya
Mayoori P	Glass House, Amanikere, Tumkur	38 th State sub junior, Cadet, Junior and Senior Kyorugi and Poomsae Teakwondo Championship
Shifali Shetty	VTU	Volleyball
Melroy Peter	Udupi Amrit Garden	Kata and Kmite

PLACEMENTS

S.No.	Student Name	Company	Offered Pkg in LPA
1	Sanjay Umesh Bangera	Intellipaat	9
2	AHAMED	Intellipaat	9
3	SUKANYA N SHET	Intellipaat	9
4	HARSHITHA H S	Intellipaat	9
5	RAM KRISHNA MARNDI	Intellipaat	9
6	Nandu R	Intellipaat	9
7	SHRENE RAHEL MABEN	tekion	8
8	Arpitha Salian	tekion	8
9	Prajna S puthuran	tekion	8
10	Drethi Shetty	tekion	8
11	Prathvin	TCS	7
12	BhagyaShree	TCS	7
13	AHAMED	Jaro Education	6.6
14	R Devika	Jaro Education	6.6
15	Prathvin	Jaro Education	6.6
16	Prajna S Putran	Jaro Education	6.6
17	Mohammed Zaahid Umer	Jaro Education	6.6
18	Erica V Fernandes	Jaro Education	6.6
19	SHRENE RAHEL MABEN	Jaro Education	6.6
20	Anush Kumar	Skolar	6
21	Ashwija Shetty	Skolar	6
22	Prathvin	Skolar	6
23	Rahul M K	Skolar	6
24	Shamitha	Skolar	6
25	Sharan S Shetty	Skolar	6

S.No.	Student Name	Company	Offered Pkg in LPA
26	Erica V Fernandes	Skolar	6
27	Swathi	Skolar	6
28	Sharan S Shetty	Kambala Solutions	6
29	Swathi	Tekion	6
30	Harshitha H S	Kyndryl	5.1
31	Poorvi M Rao	Kyndryl	5.1
32	Shraddha H S	Kyndryl	5.1
33	Shreya	Kyndryl	5.1
34	Abhijna P Naik	Kyndryl	5.1
35	Ashika Ruth Saldana	Kyndryl	5.1
36	BhagyaShree	Kyndryl	5.1
37	Shreyas Achar	SASKEN Technologies	5
38	Kishan Kumar	Mu Sigma	5
39	Ram Krishna Marndi	Mu Sigma	5
40	Prajwal Bhat	Code Craft Technologies	5
41	Anish Suvarna	Spurtree	4
42	Prajna S Putjran	Spurtree	4
43	Sanjana Arun	Spurtree	4
44	Anish Suvarna	Speebee	4
45	Nihal Kunder	Mangalore Infotech	3.7
46	AHAMED	TCS	3.6
47	Prajwal S Bhat	TCS	3.6
48	PRAKHYATH	7EDGE	3
49	Sanjay Umesh Bangera	Thoughtfocus	3
50	Ashika Ruth Saldana	Mangalore Infotech	3

TOPPERS



NAVITHA HEGDA

Semester: 8

SGPA: 9.5



NIKITHA

Semester: 8

SGPA: 9.5



Shreya

Semester: 6

SGPA: 8.67



Shreyas

Semester: 6

SGPA: 8.5



Harsharaj B

Semester: 3

SGPA: 8.17



Disha Hebbar

Semester: 3

SGPA: 8.04

Department of Information Science and Engineering

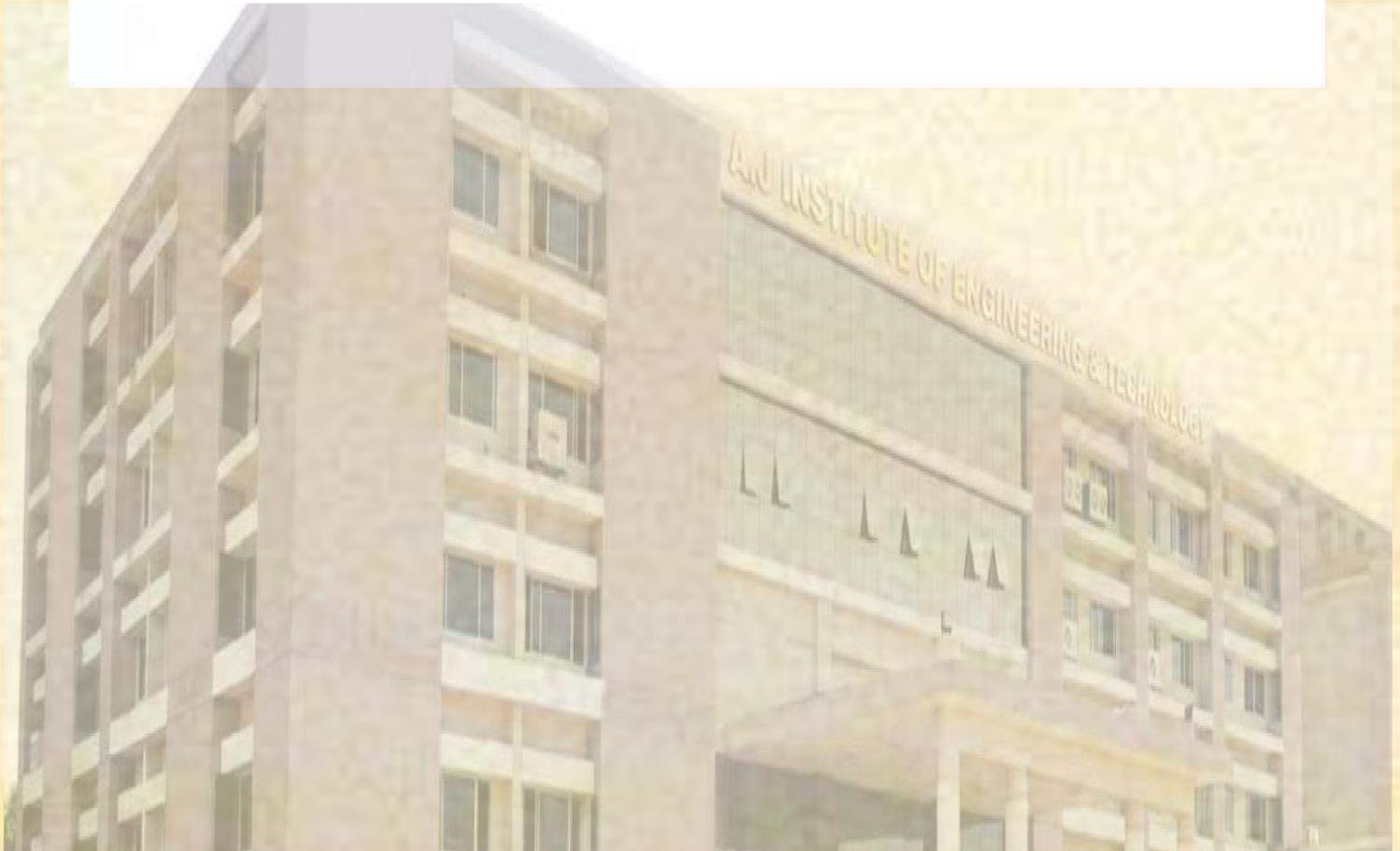
MAJOR GOAL ABOUT THE DEPARTMENT:

- To produce highly knowledgeable, competent and resourceful young engineers who can excel in their respective profession
- To be a center of excellence in Information Science & Engineering education, research and training to meet the growing needs of the industry and society.
- To impart theoretical and practical knowledge through the concepts and technologies in Information Science and Engineering
- To foster research, collaboration and higher education with premier institutions and industries.
- Promote innovation and entrepreneurship to fulfill the needs of the society and industry.

Features of the Department

- Smart Classrooms
- Well-equipped Laboratory with great software support.
- Soft skill training programs
- Real time projects and exposure to industry
- Excellent teaching staffs with adopting innovativeness to excel in the academics
- Skilled supporting staff with good experience
- Effective syllabus coverage
- Faculty prepared study material
- Consistently achieving excellent results in all the semesters





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