



# AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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## REPORT ON THE ACADEMIC AUDIT (Academic Year June, 2023 - July, 2024)

1. Name of the Department : Computer Science and Engineering

2. Vision of the Department :

To adapt the evolutionary changes in computer science and expose the students to the cutting edge technologies to produce globally competent professionals.

3. Mission of the Department :

M1: To ensure holistic professional education in the field of computer science, & engineering and produce efficient industry ready IT graduates capable of solving societal problems to be a part of nation building.

M2: To provide an inspirational atmosphere in the department to nurture research and innovation capabilities among students and faculties making them good innovators and visionaries.

M3: To Establish a vibrant Industry-Academic relationships and collaborations among the individuals having the opportunities to work on the latest technologies and professional challenges with integrity.

M4: To Cultivate students with professional skills, foster innovative research endeavors, and cultivate entrepreneurial capabilities.

4. Sanctioned Intake (Program wise)

SI.NO:	Name of Program	Sanctioned Intake	Number of Students Admitted
1	Computer Science and Engineering	120   3	123

5. Overall Demand Ratio: 100%

  
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## 6. Students Enrollment (Program wise) :

YEAR OF STUDY	MALE STUDENTS	FEMALE STUDENTS	TOTAL STUDENTS
1 <sup>st</sup> Year	66	57	123
2 <sup>nd</sup> Year	44	24	68
3 <sup>rd</sup> Year	32	34	66
4 <sup>th</sup> Year	33	25	58
TOTAL STUDENTS	175	140	315

## 7. Result Analysis:

Semester	Total No. of Students	Total No. of Absentees	Total No. of Students Appeared	FCD	FC	SC	PASS	FAIL	Pass %	PI (%)
1	123	-	123	55	42	5	102	21	83.73	72.35
3	68	-	68	35	19	5	59	9	86.77	79.41
5	66	-	66	26	16	11	53	13	80.3	70.83
7	58	-	58	30	20	6	56	02	96.55	83.62
8	58	-	58	54	4	-	-	-	100	98.28

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## 8. Number of classrooms and Laboratories with ICT facilities:

CLASS ROOM DETAILS				
Department	Room No.	Covered area (sq. Ft)	ICT enabled (Yes/No)	
CSE-Second year	A-315	116 Sq m	Yes	
CSE-Third year	A-317	116 Sq m	Yes	
CSE-Final year	A-318	116 Sq m	Yes	
CSE-Tutorial class	A-316	116 Sq m	Yes	

LABORATORY DETAILS			
Department & Name of the LAB	Room No.	Covered area (sq. Ft)	List of Major Components (with quantity)
CSE-COMPUTING LAB 1	A-323	130 sq mtr	Intel core i3-4170/i3-9100/i3-6100/i3-8100 Processor, 4 GB/8 GB RAM, 500GB/1TB HDD, 18.5" Acer Monitor, Acer Keyboard & Mouse.
CSE-COMPUTING LAB 2	A-324	130 sq mtr	Intel core i3-4170/i3-9100/i3-6100/i3-8100 Processor, 4 GB/8 GB RAM, 500GB/1TB HDD, 18.5" Acer Monitor, Acer Keyboard & Mouse.

  
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CSE-COMPUTING LAB 4	A-322	75 sq mtr	Intel(R) Core (TM) i5-12400 12 <sup>th</sup> generation Processor, 16GB RAM, 1TB M.2 SSD Acer USB keyboard & USB Optical Mouse NVIDIA GT730 4GB DDR3 Graphic Card WIFI & Bluetooth module Acer 19.5" Monitor
CSE-COMPUTING LAB 5	A-322-A	75 sq mtr	Intel(R) Core (TM) i5-12400 12 <sup>th</sup> generation Processor, 16GB RAM, 1TB M.2 SSD Acer USB keyboard & USB Optical Mouse NVIDIA GT730 4GB DDR3 Graphic Card WIFI & Bluetooth module Acer 19.5" Monitor
CSE-COMPUTING LAB 3	A-325	130 sq mtr	Intel(R) Core (TM) i5-12400 12 <sup>th</sup> generation Processor, 16GB RAM, 1TB M.2 SSD Acer USB keyboard ;USB Optical Mouse NVIDIA GT730 4GB DDR3 Graphic Card WIFI & Bluetooth module Acer 19.5" Monitor
CSE-COMPUTING LAB 6	A-304	115 sq mtr	Intel core i3-4170/i3-9100 Processor, 4 GB/8 GB RAM, 500GB/1TB HDD, 18.5" Acer Monitor, Acer Keyboard & Mouse.

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CSE-COMPUTING LAB 7	A-307	115 sq mtr	Intel(R) Core (TM) i5-12400 12 <sup>th</sup> generation Processor, 16GB RAM, 1TB M.2 SSD Acer USB keyboard ;USB Optical Mouse NVIDIA GT730 4GB DDR3 Graphic Card WIFI & Bluetooth module Acer 19.5" Monitor
CSE-COMPUTING LAB 8	A-310	115 sq mtr	Intel(R) Core (TM) i3-6100/i3-4170/i5-12400 Processor, 4GB/8GB/16GB RAM, 500GB/1TB/1TB M.2 SSD Acer USB keyboard & USB Optical Mouse NVIDIA GT730 4GB DDR3 Graphic Card WIFI & Bluetooth module Acer 19.5" Monitor
CSE-COMPUTER PROGRAMMING LAB	A-112	116 sq mtr	Intel core i3-4170/i3-9100 /i3-6100 Processor, 4 GB/8 GB RAM 500GB/1TB HDD, 18.5" Acer Monitor, Acer Keyboard & Mouse.

9. Total number of computers available for students : 267

10. No. of students qualifying in State/ National/ International level examinations (eg: GATE/GMAT/CAT/GRE/TOEFL/IELTS Civil services/State Government examinations):

GATE: 1 Student  
IELTS : 1 Student

  
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## 11. Details of Students Achievements:

TECHNICAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
				2			8				

CULTURAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
				2			10				

SPORTS											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated

p

## 12. Details of Student Publications in Conferences/Journals

Title of the paper	Name of the author(s)/guide	Details of the Publication
“Social media based hate speech and stress identification through Machine learning and Natural language processing”	Mrs. Sharon C DSouza	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, Issue 4, April 2024,
A system and method for non-invasive diagnosis of diseases using pulse assessing ayurvedic principles.	Mrs. Shilpa Shetty A	Office of the Controller General of Patents, Designs & Trade Marks, Govt of India
“Revolutionizing Car Care: A Mobile Application for Seamless Automobile Wash and Service management”	Mrs. Aishwarya M Bhat	International Advanced Research Journal in Science, Engineering and Technology Vol. 11,

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		Issue 4, April 2024
"Autospa for Automobile Wash and Services"	Mrs. Aishwarya M Bhat	International Journal of Advanced Research in Computer and Communication engineering Vol.13, Issue 4, April 2024
"KarmikConnect: Revolutionizing the Daily Wage Labor Market"	Mrs.Vidya Myageri	International Journal of Advance Research in computer and Communication Engineering. Research in Applied Science & Engineering Technology, Volume 13, Issue 5, May 2024.
"Knee-Jerk Reaction for Protecting Agricultural Farms from Invasion of Wild Animals"	Mr. Vijaykumar Dudhanikar	International Advanced Research Journal in Science, Engineering and Technology (IARJSET)
"Revolutionizing Remote-Controlled Aviation With Wi-Fi-Enabled Mini Aircraft" ,	Dr. Jose Alex Mathew	Book Chapter of "Drone Applications for Industry 5.0", <u>Chandra Singh, Rathishchandra, Ramachandra Gatti</u>
Personal Virtual Doctor	Mr. Stanley P DSouza	Advanced Research Journal in Science, Engineering and Technology(IARJSET) Vol. 11, Issue 5, May 2024
Brain Tumor Detection With Deep Learning Using CNN	Mr. Stanley P DSouza	International Advanced Research Journal in Science, Engineering and Technology (IARJSET) Vol. 11, Issue 5, May 2024
"Step Simple – Guiding the Visually Challenged"	Mrs. Ashwitha A Shetty	International Journal of Advanced Research in Computer and Communication Engineering Impact Factor 8.102 Peer-reviewed & Refereed journal Vol. 13, Issue 4, April 2024

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“Step Simple – Guiding the Visually Challenged”	Mrs. Ashwitha A Shetty	International Journal of Research in Engineering, Science and Management
Toxic Comments Detection and Classifier	Mr. N. Arul	IJRESM, Volume 7, Issue 4, April 2024,
“DRIVESAFE- The Emotive transport initiative”,	Mrs. Sharon C DSouza	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, Issue 4, April 2024,
“SMART SURVEILLANCE SYSTEM USING MACHINE LEARNING”	Mrs. Sharon C DSouza	International Journal of Creative Research Thoughts (IJCRT)

### 13. Details of Students completed Certification Programs

Year	No of Students	Name of the Course and Course Provider
2 <sup>nd</sup>	68	Infosys Spring Board
3 <sup>rd</sup>	30	Infosys Spring Board

### 14. Details of Student Undergone Internships

Year	No of Students	Details of the Company
4th	16	CODELAB SYSTEMS
4th	6	Varcons Technologies Pvt. Ltd
4th	10	Zephyr Technologies & Solution Pvt,Ltd
4th	9	Kakunje Softwares
4th	9	ACCOLADE Tech Solutions
4th	1	Compsoft Technologies
4th	2	Bosch limited
4th	1	ITK Innovation Lab, Bengaluru, KA-India

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4th	2	Comedkares
4th	1	Knowx Innovations
4th	1	HEXAWARE

## 15. Details of students undertaken Mini Projects

Year of study	Name of the Student	Name of the Project	Name of the Guide
3rd	Darshan Bhandary	Mantan	Dr. Antony P J
	Rakshitha S Shetty		
3rd	Likhith Kumar	AI Based Tool for Preliminary Diagnosis of Dermatological Manifestations	Mrs.Ashwitha A Shetty
	Pratham V Asaigoli		
	Nithesh kotian		
	Karthik Ganapa		
3rd	Mokshitha	Attendance system for students of government aided schools	Mrs. Sharon C D'souza
	Anaum Fathima Shameem		
	Dhriti R Sherigar		
	Aditi A Shetty		
3rd	Prajeeth	Health Care Management	Mrs.Usha C
	Manasa M Shetty		
	Nikshitha		
	Isha S Shetty		
3rd	Nagavarshini	Mental health and well-being surveillance, assessment and tracking solution .	Mrs.Ashwitha A Shetty
	Nandana Jayaram		
	K R Adithya		
	Panchami V Gunaga		
3rd	Nisha	Tweet sentiment analysis for social media	Mr. Stanley D'Souza
	Lekha		
	Satvik Shenoy K		
	Sanvitha S Acharya		
3rd	S.Aravind	Dashboard for real-time monitoring of construction projects.	Mr. Vijaykumar Dudhanikar Satlingappa

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	Sarang AV		
	Abhishek R		
	Kevin samu		
3rd	Sidharth V Nair	Smart car	Mrs. Vidya Myageri
	Aswin Suresh M		
	Akshay Suresh M		
	Frojas Joseph		
3rd	Kushal D	Community based reporting and Monitoring tool for women's safety in college/university	Mrs. Snitha Shetty
	Jeevith H R		
	Snehith I		
	Aditya Agnihotri		
3rd	Aloke P P	Excess Food Management and Donation App	Dr. Jose Alex MAtew
	Adarsh Dayanand		
	Amarnath K V		
	Prathvi		
3rd	Nishitha	Women safety website with real time tracking and emergency alerts	Mr. N Arul
	Vaishnavi		
	Akshatha shetty		
	Spoorthi shet		
3rd	HP Rahul	Hand gesture detection	Dr. Anil B V
	Gururaj S		
	Akarsh S		
3rd	Saisujanya B S	Computerized cognitive Retraining Program for Home training of Children with Disabilities.	Dr. Ganesh
	Prarthana G		
3rd	Sonal Wilson Dsouza	Cross lingual text to video synthesis of government press release	Mrs. Shilpa Shetty
	Arpita Suresh Naik		
	Megha S Gowda		
	Naveen Ankolekar		
3rd	Chaithanya Shankar S	Development of gamified platform on children's right's	Mrs. Nayana yadav
	Mohammad Rafad		
	Shraddha Sreekumar		
	Kiyasath Mhman		
3rd	Jewel C Pisse	Adaptify: E-learning platform	Mr. N Arul
	Sheya G		
	Adwith Shetty		
3rd	Anirudh vv	Crime Detection	Dr. Ganesh
	Unnikrishnan p v		

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	Khalifa Bin Usman		
	Ashwanth Sreejith		
3rd	Mohmed shair	Eye condition detection using deep learning	Mrs. Aishwarya M Bhat
	Nandhana Suresh		
	Athira Santhosh		
	Sayyidath Ayisha Beevi		

## 16. Details of students undertaken Major Projects

Year	Name of the Student	Name of the Project	Name of the Guide
4th	Anvitha	Drivesafe- The Emotive Transport Initiative	Mrs. Sharon Dsouza
4th	Isha Sheikh Bashir		
4th	Mannya Anna Sam		
4th	Sannidhi Shivaprasad Rai		
4th	Abhilash J Y	Brain Tumor Detection with Deep Learning Using CNN	Mrs. Stanley Dsouza
4th	Pramya		
4th	Prathvi Devadiga		
4th	Vidyashree Shetty		
4th	Ashwin Shetty	Social Media Based Hate Speech and Stress Identification using Machine Learning and Natural Language Processing	Mrs. Sharon D Souza
4th	Jeevan M		
4th	Nishal S. P Karkera		
4th	Rahul. D. Shetty		
4th	Prakruthi S Shetty	Counterfeit Detection of Documents using Bloockchain	Dr.Chanchal Antony
4th	Shreya S Shetty		
4th	Vaishishta		
4th	Vijeth Kumar		
4th	Nishanth	Vegshell	Mrs.Snitha Shetty
4th	Mouna R R		
4th	Prajna P		
4th	Sushma Mallesh Kaikad		
4th	Deviprasad Rai P		Mrs.Snitha Shetty

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4th	Dhruv Kishore Shetty	Hand to Heart: Ai-Driven Translation System using Nlp	
4th	Prateek Chandrasekar Kotian		
4th	S. Athreya Shankar		
4th	Sharath Kumar	360-Degree Feedback Software for the Government Press Information Bureau(Pib) using Artificial Intelligence and Machine Learning	Dr Antony P J
4th	Thejaswi D. S		
4th	Tikesh Raj		
4th	Varsha B Shetty		
4th	Ananya. G. Adyanthaya	Karmik connect	Mrs.Vidya M
4th	C A Prajwal		
4th	Namratha Shetty		
4th	Swasthik Achar		
4th	Karthik H R	Personal Virtual Doctor	Mr. Stanley Dsouza
4th	N. R. Neeraj		
4th	Vaishak		
4th	Yashas Manjar		
4th	Alisha Ujwala	Energy Consumption Estimation	Mrs.Kritika
4th	Bhagyashree		
4th	Lakshmi U Kurubara		
4th	Mohammad Aman		
4th	Ahmad Midlaj B	Ai Assisted Distracted Driver Detection System	Dr Antony P J
4th	Cliva Rhea Moras		
4th	Rahul M Moolya		
4th	Zaid Ali Ahamad		
4th	Anvitha	Knee-Jerk Reaction for Protecting Agricultural Farms From Invasion of Wild Animals	Mr. Vijay Kumar D
4th	Hrithik G H		
4th	Manvith K Amin		
4th	Poojashree A S		
4th	Farzeen Haris	Autospa for Automobile Wash And Services	Mrs. Aishwarya Bhat
4th	Neha V P		
4th	Veena . V.R		

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4th	Adarsh Vinod	Knowledge toxic Comment Detection and Classifier	Mr. Arul N
4th	Adithyan K V		
4th	Ramsha Riyaz Ahmed Mirzankar		
4th	Manoranjan.M		
4th	Advaith Prasad	Step Simple- Guiding the Visually Challenged	Mrs. Ashwitha Shetty
4th	Karthik Ganesh		
4th	Mohammed		

## 17. Details of Industry Visits Organized for Students

SI No.	Date	Company Details	No of students
1	4/11/2023	Infosys Technologies, Mysore	39
2	4/11/2023	Enkefalos Technologies, Mysore	39
3	2/07/2024	Glow Touch Technologies	41

## 18. Details of Outreach Programs(AICTE Activity/NSS/NCC etc):



2<sup>nd</sup> Year – Swachh Bharath

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3<sup>rd</sup> Year – Beach Cleaning Activity



4<sup>th</sup> Year – Student outreach program Lady Hill government school

### 19. Details of Funds received by students for various activities:

The two project teams from Department of Computer Science and Engineering have won the Project Code Unnati-UNDP under the guidance of Mrs. Snitha Shetty. Both the teams have honored with seed money award of Rs. 1 lakh each.

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The students from 7th Semester, Department of Computer Science and Engineering Ahmad Midlaj B, Cliva Rhea Moris, Rahul M Moolya and Zaid Ali Ahamad have been selected for 47th series of Student Project Programme 2023-24 by Karnataka State Council for Science and Technology (KSCST) for the project titled "AI Assisted Distracted Driver Detection System" under the guidance of Dr. Antony P with a funding of Rs. 5000/-.

The students from 7th Semester, Department of Computer Science and Engineering Thejaswi, Tikesh Raj, Shararth , Varsha have been selected for 47th series of Student Project Programme 2023-24 by Karnataka State Council for Science and Technology (KSCST) for the project titled "360 Degree feedback software for the government Press Information Bureau " under the guidance of Dr. Antony P with a funding of Rs. 5000/-.

The students from 7th Semester, Department of Computer Science and Engineering Nishanth, Prajna P, Mouna RR and Sushma Mallesh Kaikad have been selected for 47th series of Student Project Programme 2023-24 by Karnataka State Council for Science and Technology (KSCST) for the project titled "Hand to Heart-AI Driven Translation system" under the guidance of Mrs. Snitha Shetty with a funding of Rs. 5000/-

## 20. Faculty strength and specialization.

Sl. No.	Name	Designation	Qualifications	Experience	Area of Specialization	No. of Ph.D Guided/Guiding
1	Dr. Antony P. J.	Vice Principal and HOD of CSE	PhD	24	Natural Language Processing and Machine Learning	Guiding – 7 Guided - 4
2	Dr. Ganesh	Professor	PhD	20	Computer Science	
3	Dr. Jose Alex Mathew	Professor	PhD	28	Artificial Intelligent and Machine Learning, Data Science, Electronics & Communication Engineering, Biomedical Engineering, Software and	

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					Hardware Engineering, Renewable Energy, Control Systems and Automation, Electrical Engineering	
4	Dr. Anil B V	Associate Professor	PhD	21	Biometric Identification, Pattern Recognition, Machine Intelligence	
5	Mrs. Sharon C. D'Souza	Assistant Professor	M. Tech.	10.8	Artificial Intelligent and Machine Learning, Data Science, Natural Language Processing	
6	Mrs. Snitha Shetty	Assistant Professor	M.Tech	10	Artificial Intelligent and Machine Learning, Data Science, Natural Language Processing	
7	Mrs. Shilpa Shetty A	Assistant Professor	M. Tech.	12	Computer Science and Engineering	
8	Mr. N. Arul	Assistant Professor	M.E.	16	Computer Science and Engineering	
9	Mr. Vijaykumar Dudhanikar	Assistant Professor	M.Tech	16	Artificial Intelligent and Machine Learning, Image Processing	
10	Mrs. Vidya Myageri	Assistant Professor	M. Tech.	06	Artificial Intelligent and Machine	

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					Learning, Image Processing	
11	Mr. Stanley Pradeep D'souza	Assistant Professor	M. Tech.	11	Computer Science and Engineering	
12	Mrs. Aishwarya M Bhat	Assistant Professor	M.Tech	03	Computer Science and Engineering	
13	Mrs. Ashwitha A Shetty	Assistant Professor	M.Tech	03	Artificial Intelligent and Machine Learning, Image Processing	
14	Mrs. Nayana Yadav	Assistant Professor	M.Tech	12	Computer Science and Engineering	
15	Mrs. Usha C S	Assistant Professor	M.Tech	10	Computer Science and Engineering	
16	Mrs. Krathika	Assistant Professor	M.Tech	04	Computer Science and Engineering	

21. No. of Faculties Registered for Ph.D Programs: 4 Faculties

22. Details of Faculty Publications indexed in SCOPUS/Web Of Science/UGC CARE

Sl No.	Title of the paper	Name of the author(s)	Details of the Publications (ISSN /ISBN, Volume, Date of Publication etc.)	Indicate Scopus/Web of Science/UGC Care
1	A new design of epileptic seizure detection using hybrid heuristic-based weighted feature selection and ensemble learning	Vedavati Bhandari	International Journal of Intelligent Robotics and Applications	-

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## 23. Books / Chapters in edited Volumes and papers in National/International Conference Proceedings by Faculties during the year

SI No	Title of the Book Chapter	Name of the author(s)	Details of the Publications (ISSN/ISBN, Volume, Date of Publication etc.)	Details of the Publisher
1	"Revolutionizing Remote-Controlled Aviation With Wi-Fi-Enabled Mini Aircraft", Book Chapter of "Drone Applications for Industry 5.0", Chandra Singh, Rathish chandra, Ramachandra Gatti	Dr. Jose Alex Mathew	ISBN13: 9798369320938	

## 24. Books published by the Faculties during the year

SI No.	Title of the Book	Name of the author(s)	Details of the Publications (ISSN/ISBN, Volume, Date of Publication etc)	Details of the Publisher
	-	-	-	-

## 25. Number of Faculty who received National/ International fellowship/Financial/Awards Support by various agencies:

SI No.	Name of the Faculty	Details of Fellowship/Financial/Awards	National/International
		-	

## 26. Research funds sanctioned and received from various agencies, industry and other organizations:

SI No.	Name of the Project	Name of the Principal Investigator	Year of Award	Funds Sanctioned (Rs.)	Duration of the project
	-				

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## 27. Number of Patents filed/published/awarded:

Sl. No.	Title of the Patent	Name of the Publisher(s)	Details of Patent Publications	Status(fil ed/publi shed/aw arded)
1	IoT enabled wireless printer with audio player A. Design	The Patent Office, Government of India	The Patent Office, Government of India	2024410 24977

## 28. Student Mentoring (mentor-wise list with mentee):

	Name of the Mentor	No. of Mentees
1	Dr. Ganesh	22
4	Mrs. Sharon C. D'Souza	21
5	Mrs. Snitha Shetty	16
6	Mrs. Shilpa Shetty A	16
7	Mr. N. Arul	19
8	Mr. Vijaykumar Dudhanikar	19
10	Mr. Stanley Pradeep D'souza	19
12	Mrs. Ashwitha A Shetty	21
13	Mrs. Nayana Yadav	16

  
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## 29. Details of seminar/symposia/conference/refresher course/training programs/webinars organized during the year:

Sl. No	Name of the Convener/Coordinator	Title of the Event	Details of the Resource Person(s)	Duration with dates	No. of participants	Outcome

## 30. Details of of Functional MoUs and activity mapping:

SL.No	MOU	Activity mapped
1	KAKUNJE SOFTWARE PVT. LTD Door No, 7S-7-336/t7, #205, 2nd floor, Abhiman Plaza, Bunts Hostel circle, Mangalore-575003	*To encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations. * To involve in research activities with the aim of bridging the gap between academia and industry
2	Taniya Technologies	Conduct workshop in niche technologies to make students aware of trends in technologies. Conducted a workshop on Mern full stack for 4 <sup>th</sup> year students.
3	UiPath Academic Alliance	Educational partnership for collaboration on growing the Robotic Process Automation(RPA) knowledge ecosystem
4	QUANTUM LEARNINGS Center of Excellence, 3 <sup>rd</sup> Floor, Vinobhapuri, Lajpat Nagar-II, New Delhi-110024	•To encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations

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		<p>•To involve in research activities with the aim of bridging the gap between academia and industry</p>
5	<p>EDUEXTEND TECHNOLOGIES LLP (Skillhouse®), No. S18(B), 2nd Floor, Empire Mall, MG Road, Lalbagh, Mangalore, Karnataka, 575003</p>	<p>1.The 'Company' shall enable A. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY students to register themselves in the Portal where they can apply for Tech talks, Workshops and Internships offered by the partner companies and individual software professionals.</p> <p>2.Selection criteria for internships will be determined by the Partner companies as per their requirements.</p> <p>3.The 'Company' shall conduct Tech talks/Workshops online free of cost on domains such as Blockchain, Cloud Computing, Database, Artificial Intelligence, Machine Learning, Mobile Development, Application Development and Full stack Development etc.</p> <p>4.Skillhouse shall encourage their students to participate in technical talks / Workshops and provide a "Recognition Certificate" from institution to the speaker or partner company who conducts such events.</p> <p>5.Any software and hardware requirements for attending Tech Talks or Workshop shall be arranged by the students and not by the 'Company'.</p>

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		6.The 'Company' also provides job-oriented quality training to students which is a paid service. Students are fee to opt any training based on eligibility.
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### 31. Details of Consultancy Work in the department:

A team of faculties has been constituted in the department under the leadership of Dr. Anil to find consultancy opportunities for the department.

### 32. SWOT Analysis

#### A. Strength:

- (i) Faculties with diverse research background, currently there are 4 faculties who have completed PhD and 5 faculties who have registered for Phd.
- (ii) Department has MoUs with various companies who give opportunity to students in terms of internships, projects, training which help the students to update their skills and be industry ready

#### B. Weaknesses:

- (i) Funding from external agencies needs to be increased, although in the current year a funding of Rs. 2, 15,000/- has been received on the whole
- (ii) Focus on consultancy related activities could be improved.

#### C. Opportunities:

- (i) Conduction of hackathon
- (ii) Conduction of national level paper presentation competition

#### D. Threats:

- (i) Current market scenario and slow hiring could pose a hurdle in placement opportunities for students

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### 33. Details on whether the following are maintained/updated regularly

Course Files  Yes  No

Personal Files of Teaching and Non -Teaching staff members  Yes  No

IA Audit  Yes  No

P- Files  Yes  No

Student Feedback/ Faculty Feedback/ Program Feedback  Yes  No

Appraisal  Yes  No

Whether Innovative Teaching Methods Included  Yes  No

### 34. Any other information, which is not covered above:

DR. ANTONY P. J.  
 Name and Signature of the HOD

### Observations of the Academic Audit Team:

\* Good initiatives for placement training for final year students, however placement ratio could be improved.

\* Pass percentage in university exam needs to be improved in lower semesters.

### Academic Audit Team:

Sl. No.	Name of the Expert	Designation	Affiliation	Signature
1	Dr. Rajesh Rai	Chairman	AJIET	
2	Mrs. Sharanya P S	External Dept.	AJIET	
3	Dr. Dayananda	EXTERNAL	CEC, BANTWAL	

IQAC COORDINATOR

PRINCIPAL



**REPORT ON THE ACADEMIC AUDIT  
(Academic Year SEPTEMBER, 2023 - AUGUST, 2024)**

1. **Name of the Department** :CSE(Artificial Intelligence & Machine Learning)
2. **Vision of the Department** : To adapt to the evolutionary changes in computer science and expose the students to cutting-edge technologies to produce globally competent professionals.
3. **Mission of the Department** :  
M1: To ensure holistic professional education in the field of computer science & engineering and produce efficient industry ready IT graduates capable of solving societal problems to be a part of nation building.  
M2: To provide an inspirational atmosphere in the department to nurture research and innovation capabilities among students and faculties making them good innovators and visionaries.  
M3: To Establish a vibrant Industry-Academic relationships and collaborations among the individuals having the opportunities to work on the latest technologies and professional challenges with integrity.  
M4: To Cultivate students with professional skills, foster innovative research endeavors, and cultivate entrepreneurial capabilities.

4. **Sanctioned Intake (Program wise)** :

SI.NO:	Name of Program	Sanctioned Intake	Number of Students Admitted
1	CSE((Artificial Intelligence & Machine Learning)	60+3	62

5. **Overall Demand Ratio: 100%**

6. **Students Enrollment (Program wise)** :

Program	Female	Male	Total
CSE((Artificial Intelligence & Machine Learning)	22	40	62

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## 7. Result Analysis :

Semester	Total No. of Students	Total No. of Absentees	Total No. of Students Appeared	FCD	FC	SC	PASS	FAIL	Pass %	PI (%)
1	62	0	62	26	16	4	0	16	74	67.87
2	62	4	58	30	14	5	2	7	88	72.50
3										
4										

## 8. Number of classrooms and Laboratories with ICT facilities:

CLASS ROOM DETAILS				
Department	Room No.	Covered area (sq. Ft)	ICT enabled (Yes/No)	
CSE-Second year	A-114	116 Sq m	Yes	

## 9. Total number of computers available for students : 70

## 10. No. of students qualifying in State/ National/ International level examinations (eg: GATE/GMAT/CAT/GRE/TOEFL/IELTS Civil services/State Government examinations):

## 11. Details of Students Achievements:

TECHNICAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated

CULTURAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated

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SPORTS											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
				1	1						

## 12. Details of Student Publications in Conferences/Journals

Title of the paper	Name of the author(s)	Details of the Publication

## 13. Details of Students completed Certification Programs

Year	No of Students	Name of the Course and Course Provider
1 <sup>st</sup>	56	Basics of Python -Infosys Spring board
1 <sup>st</sup>	11	Introduction to Data Science-Infosys Spring board
1 <sup>st</sup>	12	Introduction to Artificial Intelligence-Infosys Spring board
1 <sup>st</sup>	1	IOT Platforms Overview-Infosys Spring board
1 <sup>st</sup>	1	Python Programming-Infosys Spring board
1 <sup>st</sup>	1	C++ Programming Course-Infosys Spring board
1 <sup>st</sup>	1	Programming in C--Infosys Spring board
1 <sup>st</sup>	1	Software Engineering--Infosys Spring board
1 <sup>st</sup>	1	Fundamentals of C++:Getting Started--Infosys Spring board
1 <sup>st</sup>	2	Using Generative AI Tools to Learn Python--Infosys Spring board
1 <sup>st</sup>	1	Introduction to Python--Infosys Spring board

## 14. Details of Student Undergone Internships

Year	No of Students	Details of the Company
1 <sup>st</sup>		

## 15. Details of students undertaken Mini Projects

Mini Project Details– AIML				
Batch-1				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Arlene Kanattu Regi	4JK23CI015	1	Smart Blind Stick
2	Monisha	4JK23CI032		
3	Nandana G	4JK23CI033		
4	Neha Sunil	4JK23CI035		

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Batch-2				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Amisha A Kotian	4JK23CI011	2	Automatic fire extinguisher with detection alarm
2	Sharanya	4JK23CI050		
3	Sharanya K	4JK23CI051		
4	Shravyashree MS	4JK23CI053		
Batch-3				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Ashaya A K	4JK23CI016	3	Gesture Controlled Bot
2	Bhuvanashree K	4JK23CI018		
3	Navyashri U H	4JK23CI034		
4	Shiea Shetty	4JK23CI052		
Batch-4				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Ananya	4JK23CI012	4	Rain alarm
2	Anusri	4JK23CI014		
3	Pooja	4JK23CI036		
4	Thanvi A	4JK23CI057		
Batch-5				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Aadithya Raja Anil	4JK23CI001	5	Book review App
2	Adithya jayan	4JK23CI005		
3	Adithyan.M	4JK23CI006		
4	Pratham	4JK23CI040		
Batch-6				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Mazin Hameed	4JK23CI029	6	Ultrasonic radar
2	Mohammed Aimaan afzal	4JK23CI031		

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3	DM moidin Mashook	4JK23CI020		
<b>Batch-7</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Chethan c malli	4JK23CI019	7	AI based facial recognition attendance system
2	Dhyan r gatty	4JK23CI021		
3	Prajwal r shetty	4JK23CI038		
4	Sandesha	4JK23CI047		
<b>Batch-8</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Ananya	4JK23CI013	8	TRAIN ACCIDENT PREVENTION
2	Pratheeksha s naik	4JK23CI042		
3	S.v rajeshwari	4JK23CI045		
4	Sanjana rao	4JK23CI048		
<b>Batch-9</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Aditya A.K	4JK23CI004	9	OBSTACLE AVOIDING ROBOT
2	Ajay Manjunath Gouda	4JK23CI008		
3	Akash R Chandran	4JK23CI009		
4	Sidharth Santosh	4JK23CI055		
<b>Batch-10</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Mishal Ramachandran	4JK23CI030	10	Color Sorting Machine using Arduino
2	Prayag Babu	4JK23CI043		
3	Vishnu B	4JK23CI061		
<b>Batch-11</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Abdu rahman	4JK23CI002	11	TEMPERATURE SENSOR
2	Haneen suhood mayan	4JK23CIO24		
3	Joseph george	4JK23CIO27		

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4	Syam krishna vi	4JK23CI056		
<b>Batch-12</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Aswin Prakash	4JK23CI017	12	Radar System Using Arduino
2	Famil V	4JK23CI022		
3	Venkat Sai	4JK23CI059		
<b>Batch-13</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Aditi Attupuram	4JK23CI007	13	Security Alarm Using PIR Sensor
2	Shaaz Omar	4JK23CI049		
3	U K Ahmed Shafeel	4JK23CI058		
4	Vilas Raj	4JK23CI060		
<b>Batch-14</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Grahith g rao	4JK23CI023	14	COLLISION AVOIDING BOT
2	Kavan s shetty	4JK23CI028		
3	Pratheek r shetty	4JK23CI041		
4	Rohit talekar	4JK23CI044		
<b>Batch-15</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Harsha	4JK23CI025	15	Sound sensing light
2	Prajwal R Poojary	4JK23CI037		
3	Shreyank	4JK23CI054		
4	Harshith	4JK23CI026		
<b>Batch-16</b>				
Sl No	Name of the Student	USN	Batch Number	Title of the Project
1	Pranam Shetty	4JK23CI039	16	smart Irrigation system using soil moisture sensor
2	Sameekshaudayshetty	4JK23CI046		

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## 16. Details of students undertaken Major Projects

Year	Name of the Student	Name of the Project	Name of the Guide
1 <sup>st</sup>			

## 17. Details of Industry Visits Organized for Students

Sl No.	Date	Company Details	No of students

## 18. Details of Outreach Programs(AICTE Activity/NSS/NCC etc):

## 19. Details of Funds received by students for various activities:

## 20. Faculty strength and specialization.

Sl. No.	Name	Designation	Qualifications	Experience	Area of Specialization	No. of Ph.D Guided/ Guiding
1	Dr. Chanchal Antony	Associate Professor & HOD	M.Tech and PhD	13	Cloud Computing Artificial Intelligence IOT	-
2	Mrs. Ramya P M.	Assistant Professor	M.Tech	5.5	Artificial Intelligence Operating Systems Computer Networks Embedded Systems Cryptography	-
3	Mr.Sharad Shandhi Ravi	Assistant Professor	M.Tech	2.5	Cyber Security Ethical Hacking Information Security Artificial Intelligence	

## 21. No. of Faculties Registered for Ph.D Programs:0

## 22. Details of Faculty Publications indexed in SCOPUS/Web Of Science/UGC CARE

Sl No.	Title of the paper	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc.)	Indicate Scopus/Web of Science/UGC Care

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1	A Blockchain-based Solutions for Certificate Forgery: Enhancing Security and Reliability in Documents Authentication”	Chanchal Antony, Prakruthi S. Shetty, Vaishishta P., Vijeth Kumar, Shreya S. Shetty	International Journal of Computer Applications. Volume 186, Number 28 (July 2024), 42-48. DOI=10.5120/ijca2024923793 -Published(Web of science)	Scopus
2	Counterfeit Detection of Documents using Blockchain	Dr. Chanchal Antony, Prakruthi S Shetty, Vaishishta P, Vijeth Kumar, Shreya S Shetty	International Journal of Engineering Research & Technology, Volume 13, Issue 07 (July 2024)	UGC Care

## 23. Books / Chapters in edited Volumes and papers in National/International Conference Proceedings by Faculties during the year

SI No	Title of the Book Chapter	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc.)	Details of the Publisher

## 24. Books published by the Faculties during the year

SI No.	Title of the Book	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc)	Details of the Publisher

## 25. Number of Faculty who received National/ International fellowship/Financial/Awards Support by various agencies:

SI No.	Name of the Faculty	Details of Fellowship/Financial/Awards	National/International

## 26. Research funds sanctioned and received from various agencies, industry and other organizations:

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Sl No.	Name of the Project	Name of the Principal Investigator	Year of Award	Funds Sanctioned (Rs.)	Duration of the project

## 27. Number of Patents filed/published/awarded:

Sl. No.	Title of the Patent	Name of the Publisher(s)	Details of Patent Publications	Status(fil ed/publi shed/aw arded)

## 28. Student Mentoring (mentor-wise list with mentee):

Sl. No	USN	STUDENT NAME	NAME OF THE COUNSELLOR
1	4JK23CI001	AADITHYA RAJA A	Mr. Amogh (Dept of Physics)
2	4JK23CI002	ABDU RAHMAN P N	
3	4JK23CI003	ABDUL NABEEL A	
4	4JK23CI004	ADITHYA A K	
5	4JK23CI005	ADITHYA JAYAN	
6	4JK23CI006	ADITHYAN M	
7	4JK23CI007	ADITI ATTUPURAM	
8	4JK23CI008	AJAY MANJUNATHA	
9	4JK23CI009	AKASH R CHANDRAN	
10	4JK23CI010	ALDRIN JAISON	
11	4JK23CI011	AMISHA A KOTIAN	
12	4JK23CI012	ANANYA	
13	4JK23CI013	ANANYA	
14	4JK23CI014	ANUSHRI K R	
15	4JK23CI015	ARLENE KANATTU R	

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Sl. No	USN	STUDENT NAME	NAME OF THE COUNSELLOR	
16	4JK23CI016	ASHAYA A K		
17	4JK23CI017	ASWIN PRAKASH C		
18	4JK23CI018	BHUVANASHREE K		
19	4JK23CI019	CHEZHAN C MALLI		
20	4JK23CI020	D M MASHOOK		
21	4JK23CI021	DHYAN R GATTY		Mrs. Vishmitha Shetty (Dept of Mathematics)
22	4JK23CI022	FAMIL V		
23	4JK23CI023	GRAHITH G RAO		
24	4JK23CI024	HANEEN SUHOOD		
25	4JK23CI025	HARSHA BALAJI H M		
26	4JK23CI026	HARSHITH		
27	4JK23CI027	JOSEPH GEORGE		
28	4JK23CI028	KAVAN S SHETTY		
29	4JK23CI029	MAZIN HAMEED A		
30	4JK23CI030	MISHAL R		
31	4JK23CI031	MOHAMMED AIMAAN		
32	4JK23CI032	MONISHA		
33	4JK23CI033	NANDANA G		
34	4JK23CI034	NAVYASHRI U H		
35	4JK23CI035	NEHA SUNIL		
36	4JK23CI036	POOJA		
37	4JK23CI037	PRAJWAL R POOJARY		
38	4JK23CI038	PRAJWAL R SHETTY		
39	4JK23CI039	PRANAM SHETTY B D		
40	4JK23CI040	PRATHAM		
41	4JK23CI041	PRATHEEK R SHETTY		
42	4JK23CI042	PRATHEEKSHA S		
43	4JK23CI043	PRAYAG BABU		
44	4JK23CI044	ROHITH C		
45	4JK23CI045	S V RAJESHWARI		

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Sl. No	USN	STUDENT NAME	NAME OF THE COUNSELLOR
46	4JK23CI046	SAMEEKSHA SHETTY	Dr Sadananda Kumar (Dept of Physics)
47	4JK23CI047	SANDHESHA	
48	4JK23CI048	SANJANA RAO	
49	4JK23CI049	SHAAZ OMAR	
50	4JK23CI050	SHARANYA	
51	4JK23CI051	SHARANYA K	
52	4JK23CI052	SHIEA SUDHIR	
53	4JK23CI053	SHRAVYASHREE M S	
54	4JK23CI054	SHREYANK	
55	4JK23CI055	SIDHARTH S	
56	4JK23CI056	SYAM KRISHNA V I	
57	4JK23CI057	THANVI A	
58	4JK23CI058	U K AHMED SHAFEEL	
59	4JK23CI059	VENKAT SAI N S	
60	4JK23CI060	VILAS RAJ R	
61	4JK23CI061	VISHNU B	
62	4JK23CI062	YAMANURA	

## 29. Details of seminar/symposia/conference/refresher course/training programs/webinars organized during the year:

Sl. No	Name of the Convener/Coordinator	Title of the Event	Details of the Resource Person(s)	Duration with dates	No. of participants	Outcome

## 30. Details of of Functional MoUs and activity mapping:

## 31. Details of Consultancy Work in the department:

## 32. SWOT Analysis

### A. Strength:

- (i) Visionary leadership with ambitious goals and dedicated academic staff.

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(ii) Career-oriented education system designed to produce highly-skilled, job-ready graduates.

## B. Weaknesses:

(i) Limited full-time research scholars, patents, major startups, and entrepreneurship development.

## C. Opportunities:

(i) Potential for partnerships with local companies and the establishment of an incubation center.

(ii) With well-structured labs, the department can create products and generate revenue.

## D. Threats:

(i) Numerous nearby engineering colleges and rapid advancements in IT technology.

(ii) Limited academic agreements with foreign universities, hindering opportunities for dual degrees.

## 33. Details on whether the following are maintained/updated regularly

Course Files	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Personal Files of Teaching and Non -Teaching staff members	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
IA Audit	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
P- Files	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Student Feedback/ Faculty Feedback/ Program Feedback	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Appraisal	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Whether Innovative Teaching Methods Included	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

## 34. Any other information, which is not covered above:

Name and Signature of the HOD

Dr Chanehal Antony

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## Observations of the Academic Audit Team:

- Encourage Faculties for Research work
- Inform students for the involvement in technical events

## Academic Audit Team:

Sl. No.	Name of the Expert	Designation	Affiliation	Signature
1	Dr Rajah. Rav	Chairman	AJIET	
2	Mrs. Sharanya P S	External dept (ISE) Member	AJIET	
3	Dr Dayanada	External college Member	CEC, Benjampada	

IQAC COORDINATOR

PRINCIPAL

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## REPORT ON THE ACADEMIC AUDIT (Academic Year Start Date- 11-09-2023 – End Date- 09-08-2024)

1. **Name of the Department** : **Civil Engineering**

2. **Vision of the Department** :

To produce competent and professional civil engineers with academic excellence and ethics to meet societal challenges at global level.

3. **Mission of the Department** :

M1: To impart students with strong theoretical and practical skills through the state-of-the-art concepts and fundamentals of various civil engineering subjects.

M2: To prepare the students to be competent and skilled enough to take up the challenges in research to meet the ever-changing needs of society and to continue learning.


M3: To promote active learning, critical thinking, industry - institute collaborative activities and contribute to social development with ethical conduct.

M4: To nurture innovative ideas and develop entrepreneurial attitude among the engineering professionals.

4. **Sanctioned Intake (Program wise)** :

Sl.NO:	Name of Program	Sanctioned Intake	Number of Students Admitted
1	Civil Engineering	60	24

5. Overall Demand Ratio:  $24/60=0.4$

  
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## 6. Students Enrollment (Program wise) :

Program	Female	Male	Total
Civil Engineering	8	16	24

## 7. Result Analysis :

Semester	Total No. of Students	Total No. of Absentees	Total No. of Students Appeared	FCD	FC	SC	PAS S	FAIL	Pass %	PI (%)
1	24	0	24	1	1	3	4	15	37.5	17.71
3	31	0	31	17	5	2	0	7	77.42	70.16
5	29	2	27	10	5	6	1	5	81.48	62.96
7	30	3	27	9	14	1	0	3	88.89	74.07
8	30	1	29	26	1	0	0	2	93.1	92.24

8. Number of classrooms and Laboratories with ICT facilities: 4 Class room + 1 Lab

9. Total number of computers available for students : 30

10. No. of students qualifying in State/ National/ International level examinations (eg: GATE/GMAT/CAT/GRE/TOEFL/IELTS Civil services/State Government examinations): 02

## 11. Details of Students Achievements:

TECHNICAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
-	-	-	02	-	-	-	01	01	-	-	01

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CULTURAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
-	-	-	-	-	-	-	-	-	-	-	02

SPORTS											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
-	-	-	-	-	-	-	-	-	-	-	05

## 12. Details of Student Publications in Conferences/Journals

Title of the paper	Name of the author(s)	Details of the Publication
NIL	-	-

## 13. Details of Students completed Certification Programs

Year	No of Students	Name of the Course and Course Provider
1 <sup>st</sup>	31	Four days Workshop on Geospatial Data Analytics AvaKaza GeoScience Research Technologies, Bangalore

## 14. Details of Student Undergone Internships

Year	No of Students	Details of the Company
1 <sup>st</sup>	-	-
2 <sup>nd</sup>	-	-
3 <sup>rd</sup>	6	ASSNAS Constructions Pvt Ltd, Gera Imperium Grand, 5th Floor, Unit no , EDC Patto Plaza, Opp Ginger Hotel, Panaji Goa 403001
	7	Dakshina Kannada Nirmithi Kendra, N.H.17, Srinivasnagar Surathkal 575025

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	7	Globe Tech Engineering Solutions, 4th Floor, Sanu Palace, PVS Circle, M G Road, Mangalore
	1	R K Infra (India) Private Limited, Sri Lakshmi Nivasa, Near Om Sri School, M V Extension, Hoskote Town, Bengaluru Rural 562114
	1	TEACHNOOK, Wissenaire, IIT Bhubaneshwar
	2	Red Line, Constructive and Waterproofing solutions, Mangalore
	1	Associated Engineering Constructions Consultant Architect Engineers Interior Decorators, Junior College Road, Thirthahalli 577432
	16	BELLARE GIS Consultancy Pvt Ltd. ( Remote sensing and GIS Solutions providers) <a href="http://www.bellaregisindia.co.in">www.bellaregisindia.co.in</a> <a href="mailto:info@bellaregisindia.co.in">info@bellaregisindia.co.in</a>
	3	DHARMARAJ ASSOCIATES MANGALORE
	2	MAHABALA MUNNUR, Engg and building contractor 2 <sup>nd</sup> floor, Emporium commercial building, old pumpwell road, kankanady Mangalore-575002. <a href="mailto:Mahabalamunnur2006@yahoo.co.in">Mahabalamunnur2006@yahoo.co.in</a>
4 <sup>th</sup>	2	A.B Associates, Architects, Interior designers, consulting Engineer Harsha complex, 2 <sup>nd</sup> floor, Surathkal, mangalore-575014 <a href="mailto:Abassociates468@gmail.com">Abassociates468@gmail.com</a>
	5	NEW MANGALORE PORT TRUST Govt of India ( Ministry of Ports, Shipping and Waterways)
	3	Dakshina Kannada Nirmithi Kendra NITK, N.H.17, Srinivasanagar Surathkal-575025 <a href="mailto:dknirmithi@yahoo.com">dknirmithi@yahoo.com</a>

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	1	BHOOMI INSTITUTE OF GEOINFORMATICS SF-4, KARTHIK ESTATE COMPLEX AMBALPADY JUNCTION, UDUPI-576103
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## 15. Details of students undertaken Mini Projects

Year	Name of the Student	Name of the Project	Name of the Guide
1 <sup>st</sup>	NIL	-	-
2 <sup>nd</sup>	NIL	-	-
3 <sup>rd</sup>	AHNA A	WATER SUPPLY AND SANITARY PROJECT	Mr. Nitesh Mr. Vinod T D'Souza Mrs. Pooja D
	APARNA VINOD		
	BHAVANI		
	CHAITRA V		
	DARSHAN R		
	DEEPA GOWDAPPA KARIGARA	OLD TANK PROJECT	Mr. Nitesh Mr. Saketh Shetty Dr. Sangeetha D.M
	DILEEP RAJ	NEW TANK PROJECT	Mr. Nitesh Mrs. Deeksha Anand
	HARSHITHA SUBRAY NAIK		
	HARSHITHA		
	HASSAN MOSHEEN		
	HAVYAS K		
	K S SUJITH	HIGHWAY PROJECT	Mr. Nitesh Dr. Amarnath Shetty Mrs. Babitha B
	KARTHIK H		
	KARTHIK RAJESH		
	KUSHAR S		
	M J SAKTHI		
	MAGENDHIRAN	TOWN PLANNING PROJECT	Mr. Nitesh Mrs. Babitha
	MOHAMMED NUBUL		
	MALLIKA G		
	MOHAMMED FEBIN		
	NOCA MUMBA SALOMAN		
	RAHUL		
	ROHAN E SHETTY		
	SALMAN UL FARISH		

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	SUDEEPA S R		
	IMPANA T K		
	NAMITH		
	NANDAKUMAR P S		
	NISHANTH R		
	SHIV VIGNESH		
4 <sup>th</sup>	NIL	-	-

## 16. Details of students undertaken Major Projects

Year	Name of the Student	Name of the Project	Name of the Guide
1 <sup>st</sup>	NIL	-	-
2 <sup>nd</sup>	NIL	-	-
3 <sup>rd</sup>	NIL	-	
4 <sup>th</sup>	N LAXMIKANTH SHET	Small scale wind energy device	<b>Dr. Sangeetha D M/ Dr. Rithin Kumar N B (Co-Guide)</b>
	U DHANVIN PADMANABHA THANTRI		
	NITHIN RAJ P		
	MAHESH	Experimental Study on increasing the strength of pervious concrete by adding salt	<b>Mrs. Babitha B</b>
	RISHANA M S		
	SHRUJAN S SHETTY		
	NIKHITHA K N	Green Geopolymer Solution For Lateritic Soil Stabilization In Interlocking Pavers	<b>Prof. Vinod D'Souza</b>
	SAI THEJA		
	ROYSTON VINCENT		
	DAN S K	Automatic water supply for plants using AI	<b>Mrs. Pooja D / Mr. Saketh Shetty (co-guide)</b>
	FUSCO ANNA AUGUSTINE		
	ABHISHEK A		
	AMOGH M G	Intergrated lake assesement - A study on Coastal Karnataka Lake	<b>Mr. Saketh Shetty</b>
	CHITHARANJAN		
AYUSH SHETTY			
	CHANDNI SANJAY		

  
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EDWIN ABRAHAM MSTHEW	Developing a bicycle path by joining existing lanes -A sustainable approach	<b>Dr. Suman Kundapura / Mrs. Deeksha Anand (co-guide)</b>
ADITHYA RAMNATH		
MOHAMMAD THAMEEM	Automated non-bio degradable waste segregation for sustainable solid waste management	<b>Dr. Amarnath Shetty</b>
PREETHAM		
G TANVISHRAJ		
ABHINAV MOHAN	Study of sea water intrusion in coastal aquifers in mangalore coastal region	<b>Dr. Amarnath Shetty / Mr. Nitesh (co-guide)</b>
NAVYA K		
ALAN		
SHIVANI KODICAL	Sustainable eco friendly plastic packages alternative for Liquid packages	<b>Mr. Nitesh</b>
SAGAR SURESH BAILANAYKAR		
EERANNA RANGAPPA DALAWAI		
S SPANDANA KOTIAN	Evaluation of bicycle pathways: A sustainability perspective	<b>Mrs. Deeksha Anand / Dr. Suman Kundapura (co-guide)</b>
AFLAH ABDURAHEEM		
BIDHOVA A JAMES		

## 17. Details of Industry Visits Organized for Students

Sl No.	Date	Company Details	No of students
1	13-1-2024	<b>Industrial Visit to Master Plannery Puttur, Nehrunagar</b>	26
2	13-1-2024	<b>Industrial visit to NMPA- Fishing Harbour, Break Water</b>	18
3	30-1-2024	<b>Industrial Visit to DK Nirmithi Kendra Surathkal</b>	30
4	28-3-2024	<b>Industrial visit to NMPA- Fishing Harbour, Break Water</b>	26

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## 18. Details of Outreach Programs(AICTE Activity/NSS/NCC etc):

1. Munnuru grama panchayat ullala taluk 575017 - NSS activity on 1-8-2024
2. Government Higher Primary School, Konaje, MANGALURU, KARNATAKA-NSS activity
3. The food packaging activity is a multifaceted and integral aspect of the entire food production and distribution process, serving as a critical link between manufacturers and consumers. Its primary objective is to preserve the freshness of perishable items, employing techniques such as vacuum sealing and modified atmosphere packaging.
4. The Rural Outreach Programme endeavors to bridge the information gap and empower remote rural communities with essential knowledge and resources. Through a multifaceted approach, including community engagement, information dissemination, and interactive sessions, the programme aims to raise awareness on critical topics such as healthcare, education, agriculture, and government schemes.
5. Participated in beach cleaning initiatives is crucial for preserving marine ecosystems and ensuring the well-being of coastal communities.
6. Empowering rural populations through skill development initiatives is essential for fostering sustainable development and improving livelihoods in these communities. By offering vocational training programs tailored to local needs, such as agriculture, entrepreneurship, and healthcare, individuals can acquire the knowledge and tools necessary to enhance productivity, create employment opportunities, and address pressing challenges.
7. Transitioning to a fully digital money transaction system necessitates a comprehensive overhaul of financial infrastructure and practices. This transformation involves the widespread adoption of digital payment platforms, electronic banking solutions, and digital currencies, eliminating the need for physical cash.
8. Collaboration with local schools has been initiated to enhance student outcomes and boost enrollment in higher education and vocational programs, with a specific focus on improving English communication skills. Through workshops, activities, and innovative teaching methods, students are being supported in mastering the language, ultimately empowering them to pursue diverse educational and career opportunities.

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## 19. Details of Funds received by students for various activities: NIL

## 20. Faculty strength and specialization.

Sl. No.	Name	Designation	Qualifications	Experience	Area of Specialization	No. of Ph.D Guided/Guiding
1	Dr. Suman Kundapura	Associate Professor	M. Tech	10	Hydraulics and water resource Engineering	-
2	Pr. Vinod T D'Souza	Associate Professor	M. Tech	27	Geotechnical Engineering	-
3	Prof. Amarnath Shetty	Professor	Phd	20	Environmental Engineering	1
4	Dr. Sangeetha D.M	Associate Professor	Phd	15	Structural Engineering	01 ( Co Guide)
5	Mrs. Deeksha Anand	Assistant Professor	M. Tech	11	Construction Technology	-
6	Mr. Nikhil N	Assistant Professor	M. Tech	11	Structural Engineering	-
7	Mr. Saketh Shetty	Assistant Professor	M. Tech	15	water resource Engineering	-
8	Mr. Nitesh	Assistant Professor	M. Tech	8	Environmental Engineering	-
9	Ms. Babitha B	Assistant Professor	M. Tech	4	Structural Engineering	-
10	Ms. Pooja D	Assistant Professor	M. Tech	4	Construction Technology	-

## 21. No. of Faculties Registered for Ph.D Programs: 03

## 22. Details of Faculty Publications indexed in SCOPUS/Web Of Science/UGC CARE

Sl No.	Title of the paper	Name of the author(s)	Details of the Publications(ISSN /ISBN, Volume, Date of Publication etc.)	Indicate Scopus/Web of Science/UGC Care
1	Water quality assessment near Vamanjoor solid waste dumping yard,	Dr. Suman K	Tanz Journal, Volume 19, Issue 4, 2024, pp: 459-	Scopus

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			486. ISSN: 1869-7720	
2	Seismic performance and retrofit for yuvaraja's college: the case study	Dr. Amarnath Shetty	tujin jishu/journal of propulsion technology ISSN: 1001-4055 vol. 44 no. 5 (2023)	Scopus
3	Characterization of the Surface Lake and Evaluation of Its Benefits on Unconfined Aquifer Interaction—A Study on Coastal Karnataka Lake, India	Mr. Saketh Shetty	Water Conservation Science and Engineering, ISSN-16742370 DOI: 10.1007/s41101-024-00247-x	Scopus
4	Community input to quantification of lake restoration benefits: a pilot study of coastal Karnataka Lake, India	Mr. Saketh Shetty	Journal of Sustainable water resource management, Issues-47 ISSN : DOI: 10.1007/s40899-023-00938-8	Scopus

### 23. Books / Chapters in edited Volumes and papers in National/International Conference Proceedings by Faculties during the year

Sl No	Title of the Book Chapter	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc.)	Details of the Publisher
1.	ANALYSIS AND DESIGN OF SINGLE VENT BOX CURVET FOR DIFFERENT LOADING CONDITION BY USING STAAD PRO SOFTWARE	DR. AMARNATH SHETTY	Futuristic Trends in Construction Materials & Civil Engineering, IIP Series, Vol.3, Book 4, Part 6, Chapter 1 ISBN: 978-93-5747-676-8	IIP Series

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## 24. Books published by the Faculties during the year

Sl No.	Title of the Book	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc)	Details of the Publisher
	NIL	-	-	-

## 25. Number of Faculty who received National/ International fellowship/Financial/Awards Support by various agencies:


Sl No.	Name of the Faculty	Details of Fellowship/Financial/Awards	National/International
1	NIL	-	-

## 26. Research funds sanctioned and received from various agencies, industry and other organizations:

Sl No.	Name of the Project	Name of the Principal Investigator	Year of Award	Funds Sanctioned (Rs.)	Duration of the project
1	NIL	-	-	-	-

## 27. Number of Patents filed/published/awarded:

Sl. No.	Title of the Patent	Name of the Publisher(s)	Details of Patent Publications	Status(fil ed/publi shed/aw arded)
1	NIL	-	-	-

  
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## 28. Student Mentoring (mentor-wise list with mentee):

### 4<sup>th</sup> year student Counsellor List-2023-2024

Sl. No.	Name of the Mentor	No. of Mentees
1	Dr. Suman	14
2	Dr. Amarnath	16

### 3<sup>rd</sup> year student Counsellor List-2023-2024

Sl. No.	Name of the Mentor	No. of Mentees
1	Nitesh	14
2	Saketh	15

### 2<sup>nd</sup> year counselor List 2023-2024

Sl. No.	Name of the Mentor	No. of Mentees
1	Pooja	16
2	Deeksha	15

## 29. Details of seminar/symposia/conference/refresher course/training programs/webinars organized during the year:

Sl. No	Name of the Convener/Coordinator	Title of the Event	Details of the Resource Person(s)	Duration with dates	No. of participants	Outcome
1	Mrs. Deeksha Anand	WORKSHOP on ARDUINO	Mr. G K Kakkunje CEO and Director, Kakkunje Pvt Ltd	12-8-2023 one day	29	Understand the basics of Arduino I. Explain the use of different tools and methods of programming Arduino I. Ap

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						ply the knowledge of Arduino to actuate and control mechanical elements and system.
2	Mrs. Deeksha Anand Prof. Vinod T D'Souza	<b>Technical Talk on a Smart city- A Retro Look</b>	Er. Arun Prabha CEO, Sky Towers and Infrastructure Private Limited	9-10-2023 3 Hours	49	On successful completion of this technical talk student should able to:  1. Understand how smart cities has improved infrastructure and introduced the integration of technology in governance, surveillance system, waste management, manufacturing, efficient transportatio

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						n, and better connectivity.  2. Understand Smart Cities will be able to deliver sustainable socio-economic development. People and institutions in Smart Cities will be ultra-connected. All components in Smart Cities will work as an integrated system that can provide citizens with access to quality services in real-time.
3	Mrs. Deeksha Anand Prof. Vinod T D'Souza	<b>Technical Talk on Global Warming and Climate Change</b>	Dr. Palakshappa K Professor and H Dept of Civil En	9-10-2023 3 Hours	49	1. Understand the Potential future effects of

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			PA college of Engineering			global climate change include more frequent wildfires, longer periods of drought in some regions, and an increase in the wind intensity and rainfall Un derstand, climate change is the most significant problem facing the world. Global warming is increasing day by day. If we cannot prevent it as soon as possible, our world will face undesirable consequences
4	Mrs. Deeksha Anand Prof. Vinod T D'Souza	<b>Training on Centre Line Marking</b>	Prof. Vinod T D'Souza Associate Professor Department of Civil	25-11-2023 3 Hours	31	Ma rk the centre line of a building or a structure

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			Engineering AJIET			in the field with the help of the plan. • Est ablish centre line , it serves as a guide for setting out the various componen ts of the structure, such as columns, walls, and beams. By aligning these elements with the center line, constructi on profession als can achieve a balanced and symmetric al layout.	
5	Mrs. Anand Deeksha	<b>Workshop ETABS</b>	on	Mr. Abhinav Hegde & Ms. Dhanyashree CADD Engineer Globe tech Engineering Solutions Mangalore	29 <sup>th</sup> and 30 <sup>th</sup> November 2023 4 Days	37	• Un derstand the concept and techniques to draw.

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						<ul style="list-style-type: none"><li>• Re present the geometry - material, sections, member connectivity, support conditions . Plot or print the drawing by scale.</li><li>• Use constraint for certain design.</li></ul>
6	Mrs. Deeksha Anand	<b>Technical talk on Scope of GIS with application of GIS</b>	Mr. Vijay V Business Head and HR Corporative services AGSRT- Bangalore	6-2-2024 3 Hours	46	Understand how to read, interpret, and generate maps and other geographic representations as well as extract, analyse, and present information from a spatial perspective.

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7	Mrs. Deeksha Anand	<b>Workshop on UX Design</b>	Mr. Vignesh Kamath Design Professional Penmyplan IT sectors Bangalore	8-2-2024  4 Hours	48	Understand the basics of the UX design tools and software 2. Apply practical skills that can be used in their respective roles, contributing to the creation of more user-centric and effective digital products.
8	Mrs. Deeksha Anand	<b>4 Days workshop on Smart city and Townplanning using DTM Software and AUTO CADD</b>	Mr. Janakaraj Research Scholar, MIT Manipal	11-2-2024 to 14-2-2024  4DAYS	31	1. Understand the basics of the Total station used for smart city and town planning. • Plot the contours, extraction of longitudinal

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						al and cross section using DTM in Auto CADD. 2. Set the curve using stakeout procedures and locate the coordinate points using total station .
9	Mrs. Deeksha Anand	<b>FIVE DAYS WORKSHOP ON PRIMAVERA</b>	Mr. Vinod Kumar Trainer, Globe Tech, Engineering Solutions- Mangalore	15 <sup>th</sup> April – 19 <sup>th</sup> April 2024  5 Days	26	Understand and Create a project; build a Work Breakdown Structure and add activities, schedule and baseline, assign resources; and resolve schedule delays.
10	Dr. Suman Kundapura MS. Deeksha Anand Ms. Trapthi Shetty	<b>AJIET SYMPOSIUM-2024</b>	<b>DEPARTMENT ACTIVITY</b>  4 Hours	22-4-2024	26	Take up UG projects on real world problems and

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	Mr. Manjukiran B					include research method, design of experiments, as per expert advice from RSHU. • Confidently defend their work to the outside world with the sustainable Engineering solutions.
11	Mrs. Deeksha Anand	<b>4 days workshop on Geospatial Data Analytics</b>	Mr. Shubham Kumar GIS, Developer Expert from Avakaza Geoscience Research Technologies, Bangalore	22-05-2024 to 25-05-2024 4 Days	31	Understand how to read, interpret, and generate maps and other geographic representations as well as extract, analyse, and present information from a

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12	Dr. Amarnath shetty	<b>Technical talk on Land Restoration, Desertification and Drought Resilience on account of world Environment Day In association with Eco Club</b>	<b>Dr. Ganesha Arehole Professor &amp; Associate Director at International Centre for Applied Sciences (ICAS), Manipal</b>	5-06-2024 2:30PM – 4:00 PM	112	spatial perspective. Understand how to save the environment and to protect the earth from various forms of pollution, climate change, overexploitation, etc.
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### 30. Details of of Functional MoUs and activity mapping:

1. RSHU- Organized an event AJIET- SYMPOSIUM-2024
2. Heramba Consultants- Activity Nil
3. Marian Consultants Pvt Limited: Students had taken Internship
4. Vishwas Adarsh Construction India: Nil
5. Brahmur Technologies: Students had taken Internship

### 31. Details of Consultancy Work in the Department:

In association with Brahmara Construction Pvt. Ltd., Mr. Saketh Shetty Asst. Professor Civil Engineering department visited all surface water bodies in Dakshina Kannada District and proposed improving their current status. The visiting charges, amounting to Rs. 300 per lake, totaled Rs. 4,000 and were collected from the company on behalf of the Civil Engineering department.

### 32. SWOT Analysis

#### A. Strength:

- (i) Expanded partnerships with industry, leading to increased internship opportunities and practical experience for students.

  
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(ii) Achieved significant advancements with notable research papers in key areas like sustainable infrastructure and water resource management.

(iii) Number of students placed on campus has increased

### B. Weaknesses:

(i) Students admitted to Civil Engineering branch has reduced

### C. Opportunities:

(i) Students had options for internships in various fields like GIS/3DS Max, Construction companies as well as internship cum job opportunities.

### D. Threats:

(i) Students not opting for online certification courses

(ii) Only few students are opting for higher education

### 33. Details on whether the following are maintained/updated regularly

Course Files	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Personal Files of Teaching and Non -Teaching staff members	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
IA Audit	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
P- Files	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Student Feedback/ Faculty Feedback/ Program Feedback	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Appraisal	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Whether Innovative Teaching Methods Included	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

### 34. Any other information, which is not covered above:

Couple of MOUs has been planned and will be executed at the earliest.

*Dr. Sunan Kundapura*

*Sunan*  
19/8/2024

Name and Signature of the HOD

✓ H.O.D.-Civil Engineering

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*[Signature]*  
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## Observations of the Academic Audit Team:

1. Student and faculty publication should be increased
2. Project proposal should be submitted in more numbers.
3. Consultancy works has to be increased.

## Academic Audit Team:

Sl. No.	Name of the Expert	Designation	Affiliation	Signature
1	Dr. Rajesh Rai	Chairman	AJIET	
2	Dr. Sunil Kumar .s	External dept member (Mech)	AJIET	
3	Dr. Dayanand	External college member	CEC - Bantwal	

IQAC COORDINATOR

PRINCIPAL

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## REPORT ON THE ACADEMIC AUDIT (Academic Year September-2023 to August-2024)

1. Name of the Department : Electronics and Communication Engineering

2. Vision of the Department :

To be recognized as a center of excellence in the area of Electronics and Communication Engineering by nurturing the young innovative minds into skillful and ethical professionals to cater the industrial and societal needs.

3. Mission of the Department :

M1: To establish state-of-the art laboratories to facilitate research and innovation to upgrade the knowledge and skills in healthcare sector and IoT.

M2: To provide industry interaction for training programs on latest technology.

M3: To provide ethical and value based education by promoting activities addressing the societal needs.

4. Sanctioned Intake (Program wise) :

S. No.	Name of Program	Sanctioned Intake	Number of Students Admitted
1	Electronics and Communication Engineering	60 + 3 (SNQ)	63

5. Overall Demand Ratio : 63 / 63

6. Students Enrollment (Program wise) :

Program	Female	Male	Total
Electronics and Communication Engineering	23	40	63

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## 7. Result Analysis :

Semester	Total No. of Students	Total No. of Absentees	Total No. of Students Appeared	FCD	FC	SC	PASS	FAIL	Pass %	PI (%)
1	62	1	61	10	15	4	1	31	49.18	38.52
2	61	0	61	12	13	17	2	16	73.77	46.97
3	66	0	66	13	14	10	2	27	59.09	43.94
5	66	0	66	34	13	2	0	17	74.24	67.8
7	40	2	38	10	15	5	0	8	78.94	59.38
8	38	0	38	32	4	1	0	1	97.36	93.42

## 8. Number of classrooms and Laboratories with ICT facilities:

Theory Classes – Lecture Rooms : 04 and Tutorial Room : 01 : Total - 05


Laboratories - Software Laboratories : 03 and Hardware Laboratories : 03

Seminar Hall - 01

## 9. Total number of computers available for students : 115

## 10. No. of students qualifying in State/ National/ International level examinations (eg: GATE/GMAT/CAT/GRE/TOEFL/IELTS Civil services/State Government examinations):

- - NIL - -

  
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## 11. Details of Students Achievements :

TECHNICAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
--	--	--	--	--	--	--	--	11	5	--	192

CULTURAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
--	--	--	--	--	--	--	--	4	1	1	16

SPORTS											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
--	---	---	---	--	--	--	---	--	1	--	19

  
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## 12. Details of Student Publications in Conferences/Journals

Title of the paper	Name of the author(s)	Details of the Publication
Design of Analog Comparator for Low Power Application Utilizing 250nm Technology	Mr. Harshith Mr. Prashanth S M Mr. Amal Dominic Mr. Muhammed Rabeeh R K V Dr. Kiran Kumar, A J Institute of Engineering and Technology, Mangalore.	Paper ID : 985  2 <sup>nd</sup> IEEE International Conference on Networks, Multimedia and Information Technology, IEEE NMITCON, 9-10   August 2024.  Nitte Meenakshi Institute of Technology, Bangalore.

## 13. Details of Students completed Certification Programs

Year	No. of Students	Name of the Course and Course Provider
3 <sup>rd</sup>	1	Mastering Python – Infosys Springboard
	2	Introduction to Python – Infosys Springboard
	2	Crash Course on Python - Google-Coursera
	1	Introduction to Generative AI Google Cloud - Coursera
	2	Java ( Basic ) --HackerRank
	1	POSTECH - Coursera
	1	Embedded Software and Hardware Architecture - University of Colorado Boulder - Coursera
4 <sup>th</sup>	1	Introduction to Operating System - Great Learning
	1	Python For Data Science - Great Learning
	12	Python For Machine Learning - Great Learning
	2	Java Programming - Great Learning
	1	Analytics with SQL and Python - Great Learning
	1	Programming Basics - Great Learning
	1	Cloud Foundations - Great Learning
	1	Python Projects - Great Learning
	2	Python Fundamentals for Beginners - Great Learning
	1	C++ Tutorial - Great Learning
	1	Introduction to ML - Great Learning

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	1	Computer Vision 101 – Infosys Springboard
	5	Learn and Master C Programming – Infosys Springboard
	2	C++ for Beginners – Infosys Springboard

## 14. Details of Student Undergone Internships

Year	No of Students	Details of the Company
3 <sup>rd</sup>	13	Zilliot Technologies, Mangalore, Karnataka
	01	Kakunje Software Pvt. Ltd. , Mangalore, Karnataka
	15	ComedKares Innovation Hub, Mangalore, Karnataka.
	31	DLithe-AIC, NMAMIT, Nitte
	03	Fininnox Pvt Ltd,
	03	NITK-SURATKAL, Karnataka
4 <sup>th</sup>	09	KIOCL limited, Mangalore, Karnataka
	02	Cranes Varsity, Bangalore
	11	TGL Technologies, Mangalore , Karnataka.
	02	KELTRON

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	02	Cognitive Solution, Mangalore , Karnataka.
	04	NITK CSD, Surathkal, Karnataka.
	01	Tiny Prism Labs Pvt Ltd, Mangalore , Karnataka.
	03	Bharat Electronics Limited (BEL), Bangalore
	03	MESCOM, Mangalore , Karnataka.
	01	Matlab (AICTE)

## 15. Details of students undertaken Mini Projects

Year	Batch No.	Names of the Student	Name of the Project	Name of the Guide
	1	Swastik Nayak V.Jayesh Rakshan A Shetty Thrishul Charan	IMMERSIVE ANATOMAGE: REVOLUTIONIZING MEDICAL EDUCATION WITH VIRTUAL REALITY	Dr Kiran Kumar
	2	Karan Bhandary Thejas JP Lohith Kripesh kumar VS	BOREScope FOR CANCER TREATMENT	Prof. Prakash K Shetty
	3	Deekshitha Deepthi K M Dhanya Nair AS Antima Sharma	AUTOMATIC DETECTION OF BIKE RIDERS WITHOUT HELMET USING SURVILLANCE IN REAL TIME	Mrs. Sahana A

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2 <sup>nd</sup>	4	K.Adithya Koushik Likhith Navaneeth	IOT BASED CARDIAC ACTIVITY MONITORING SYSTEM USING ECG	Mrs. Rekha Anil
	5	Ankita KV Anjelo gigi Akash KP Abhishek MV	HUMAN POSTURE MONITORING	Mrs. Thrapti Shetty
	6	Ankita M Deepa J shetty Krithika Chirayu	GENOMIC SIGNAL PROCESSING	Dr Gnane Satapathi
	7	Rajesh Ranjith Rajath Sushanth	E-BIN USING IOT	Mr Gasnesh UG
	8	Darshan bhovi Raju m patil Chidambara G gouda Shreejith s	FIRE FIGHTING ROBOT	Mr Suhandas
	9	Sowjanya Sneha Shravya B J Namitha	IOT BASED SMART PARKING SYSTEM	Mrs Pratheeksha Rai
	10	Hamshith Alva Shrijan Prajwal Srujan H M	IOT BASED ICU PATIENT MONITORING SYSTEM	Mr Jithendra
	11	Harsha Rithick Chandrahas Sujal Yathish	"WHEEL CHAIR CONTROL BY HEAD MOTION "	Mr Manjukiran
	12	Ashik.k Chirag shetty Shree Charan Mithesh	SPECTRO METER	Dr Gnane Satapathi
	13	B vedakshi R V dhanya Kavana Anitta jolly	PLANT DISEASE PREDICTION	Mrs Divya A
	14	Saakshi M.S Sakshi Santosh Savant Rakshitha M	AI ASSISTED TELEMEDICINE KIOSK	Mrs Deepashree A P

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		Thanisha		
	15	Manoj Adila	AIR QUALITY MONITOR	Dr Shantharama Rai C
	16	Karthik Rakesh Charan Sakshath	OTP BASED SMART WIRELESS LOCKING SYSTEM	Mr. Harsha
	17	Nesar Shetty Sharan Sanil Shobhith kumar Vivek Rai K	SMART LOW LEVEL LASER CAP	Mr. Jithendra. N K
3 <sup>rd</sup>	1	Mayur Jeeva A H Mariam Mushfiqa Sadiya	Optimal Waveform Selection to Detect Target using Communication and RADAR waveform.	1. Dr. Shantharama Rai C 2. Prof. Prakash K Shetty
	2	Karthik Mahanthes Suhan Rai K Sushma Reshma S	Implementation of Light Weight Encryption Scheme for IoT	Dr. Kiran Kumar
	3	Sumanth S Keerthiraju S R Adarsh Kanishk D Amin	Live Stock Monitoring	Dr. Kiran Kumar
	4	Mohammed Misbah Mohammad Aawan Shaikh Munces Sanid	Wall through Imaging Via Radar	Dr. Gnane Swarnadh S
	5	Thejas Shekha Shramith Kumar Rakshith Rajaneesh	Air Quality Detection and Purification: Smart MASK	Prof. Prakash K Shetty
	6	Shama Shetty Deepika Shetty Veekshan K Adilshahi	Centralized Automated Street Light Fault Detection and Location Tracking	Mr. Manjukiran
	7	Ajeeth Kavya Ganapati Nikshap Evelyn	Eye Disease Detection using Machine Learning	Mrs. Thrapthi Shetty
	8	Bhavanish P Sachitha C D Manoj B Janvee Kotian	Smart Wagons : Preventing Underload and Overload with IoT	Mrs. Divya A

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9	Ashitha B Y Nishanth Gowda C J Sushmitha J Ananya K	The Design and Implementation of Optimized Transistor Level FIR Filter using CMOS 250nm Technology	Mrs. Pratheeksha Rai
10	Abhishek A Kruthika M P Raksha G V Kavan Shetty	Smart Energy Meter : Automatic Electricity Billing System	Mrs. Sahana A
11	Vishnu Santhosh Sandesh Mathai Sourav A S Sujan D B	Non Invasive Heart and Breath Monitoring System using Millimeter Wave Radar	1.Mr. Ganesh UG 2.Dr. Gnane Swarnadh S
12	Sujanya P Lishmitha Kiran D B Anirudh Srivathsa T S	Automatic Medicinal Plant Identification Using Machine Learning	Mrs. Deepashree A P
13	Sumanth Shravankumar Shetty Thejas S Vaishnavi G	Neonatal Health Care Monitoring System	1. Mr.Suhandas 2.Dr. Gnane Swarnadh S
14	Dhanush S Karthik C Nayak Sevith K	Internet Radio	Mr.Suhandas
15	Dhanush Manvitha Shwetha Muhammed Aman	Developing Multi Beam Forming Phased Array Antenna for 5G Wireless Communication	Mr. Jithendra N K
16	Shreya D K Shradha Prakash Avish V Shetty	Tulu Language Text recognition	Mrs. Rekha A A
17	Sanath Deeksha Preethesh K D Sharat Kumar	Dry Coconut Purity Grading System	Mr. Harsha

## 16. Details of students undertaken Major Projects

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Year	Batch No.	Name of the Student	Title of the Project	Name of the Guide
4 <sup>th</sup>	1	Mohan Singh Khati Sandesh Deeptha Suresh A Rasim Musthafa	Mrs. Thrapthi Shetty	Lightweight ANU-IIBlock Cipher on FPGA
	2	Harshith Prashanth S M Amal Dominic Muhammed Rabeeh R K V	Dr. Kiran Kumar VG	Design of Analog Comparator Using 250nmTanner EDA Tool
	3	Swasthik Kamath Hemanth Kumar H N Adithya G V Abhijeeth C	Mr. Manjukiran B	Detection of Small Sea Targets Using Machine Learning
	4	Manish Shetty Abhinethri C T Bhavish B Malli	Mr. Prakash K Shetty	Automatic Medication and Health Management System
	5	Sanjana Navya B R Hitaishini C U	Dr. Gnane S. Satapathi	Quantum Machine Learning for Radar Waveform Recognition
	6	Seema J Rai Athmiya Raj A G Hardik Durgesh	Mr. Ganesh U G	Energy Efficient Street Lighting with Real Time Data Monitoring
	7	Valarie N. Sequeira Prajval Sahil Monna Pinto	Mr. Suhandas	Areca Nut Classifier System Using Convolutional Neural Network
	8	Dhanush V Kotian Geetha D P Soundarya B S Spoorthi	Mrs. Sahana K Adayanthaya	Implementation of Object Detection and Recognition Algorithm on a Robotic Arm Platform Using Raspberry Pi
	9	Ankitha Chethan	Mrs. Divya A	A Wideband Microstrip Patch

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		Saiprasad B S		Antenna With Dual Polarization for 6G Application
10		Jhnanika N M Amith Melric Veigas Akash	Mrs. Deepashree A	Wireless Controlled Fire Fighting Robot
11		Manikya Manjusha M Keerthan Tilak Mendon	Mrs. Pratheeksha Rai	Design and Implementation of HIGHT Algorithm in FPGA.

## 17. Details of Industry Visits Organized for Students

Sl No.	Date	Company Details	No of students
1.	10-01-2024	KARMIC Design Pvt. Ltd, Manipal , Udupi, Karnataka	38

## 18. Details of Outreach ProgramS (AICTE Activity/NSS/NCC etc):

Sl.No	Name of the activity	Name of the scheme	Academic year
1	Water Conservation.	NSS	2023-2024
2	Preparing an actionable business proposal for enhancing the village income and approach for implementation.	NSS	2023-2024
3	Helping local schools to achieve good results and enhance their enrolment in Higher/technical/ vocational education.	NSS	2023-2024
4	Visit to the Waste Management Plant.	NSS	2023-2024
5	NSS Camp.	NSS	2023-2024
6	Visit to an old age Home.	NSS	2023-2024
7	Food Packaging.	NSS	2023-2024
8	Water Conservation.	NSS	2023-2024
9	Preparing an actionable business proposal for enhancing the village income and approach for implementation.	NSS	2023-2024

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## 19. Details of Funds received by students for various activities:

Sl. No	Project reference Number	Project Title	Name of the guide	Project stream	Name of the students	Sanctioned amount
1	47S_BE_1494	Energy Efficient Street Lighting With Real Time Data Monitoring	Mr. Ganesh U G	E&C	Seema J Rai Athmiya Raj A G Hardik Durgesh	Rs. 5,000/-

## 20. Faculty strength and specialization.

Sl. No.	Name	Designation	Qualifications	Experience	Area of Specialization	No. of Ph.D Guided/Guiding
1	Dr. Shantharama Rai C	Professor	Ph. D.	25y 6m	Control Systems & Power Electronics	6
2	Kiran Kumar V G	Assoc. Professor	Ph. D	24y	VLSI and Cryptography	1
3	Manjukiran B	Asst. Professor	M. E.	16y 1m	Electronics and Communication Engineering	-----
4	Gnane Swarnadh Satapathi	Assoc. Professor	Ph. D.	10 y	Signal Processing	3
5	Prakash K Shetty	Assoc. Professor	M. Tech.	31y 7m	Bio-Medical Engineering	-----
6	Divya A	Asst. Professor	M. Tech.	16y	Digital Electronics	-----
7	Pratheksha Rai N	Asst. Professor	M. Tech	10y 3m	Digital Electronics	-----
8	Ganesh U G	Asst. Professor	M. Tech	5y	Control system	-----
9	Deepashree A P	Asst. Professor	M. Tech	9y 3m	Digital Electronics	-----

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10	Jithendra N K	Asst. Professor	M.E.		Communication Systems	-----
11	Sahana K Adyanthaya	Asst. Professor	M. Tech.	14y 6m	Digital Electronics and Communication Systems	-----
12	Suhandas	Asst. Professor	M. Tech	13 Years	Digital Electronics and Communication	-----
13	Thrapthi Shetty	Asst. Professor	M. Tech	12 y	Microelectronics & CS	-----
14	Harsha C J	Asst. Professor	M. Tech	13y 6m	Digital Electronics and Communication Systems	-----
15	Rekha A A	Asst. Professor	M. Tech.	20y	Power & Energy System	-----

21. No. of Faculties Registered for Ph.D Programs : - 02 -

22. Details of Faculty Publications indexed in SCOPUS/Web Of Science/UGC CARE

SI No.	Title of the paper	Name of the author(s)	Details of the Publications (ISSN /ISBN, Volume, Date of Publication etc.)	Indicate Scopus/Web of Science/UGC Care
1	<u>Improvement in Corrosion Performance of ECAPed AZ80/91 Mg Alloys Using SS316 HVOF Coating</u>	Gnane Swarnadh Satapathi, Ranjan Kumar Mahapatra <sup>1</sup> , Anil Kumar Neelapala <sup>2,1</sup> , Vamsi Borra <sup>1</sup> , and Pavitra Shanbhag <sup>1</sup>	<b>Materials , International Journal 1996-1944</b>  <a href="https://doi.org/10.3390/ma16206651">https://doi.org/10.3390/ma16206651</a>	Journal

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2	A combined fuzzy backtracking search optimization algorithm to localize retinal blood vessels for Diabetic Retinopathy.	Dr. Gnane Swarnadh Satapathi,, Ranjan Kumar Mahapatra, Neelapala, Anil Kumar, Vamsi Borra , and Pavithra Shanbhag	Aug 2023 IOP Science International Journal 2057-1976  <a href="https://iopscience.iop.org/article/10.1088/2057-1976/ace789/meta">https://iopscience.iop.org/article/10.1088/2057-1976/ace789/meta</a>	Journal
3	High notch microstrip antenna array at Ka band	Dr. Ranjan Kumar Mahapatra, Dr. Gnane Swarnadh Satapathi, B. Manjukran	Nov 2023 IEEE International Conference  979-8-3503-1546-2 10.1109/1 CIICS59993.2023. 10421482	Conference
4	A survey on wireless sensor network (applications and architecture)	Dr.Gnane Swarnadh Satapathi  Dr. Ranjan Kumar Mahapatra, Rajnath Kaliyath, NSV Shet, Soumya Ranjan Mahapatro, Sankata Bhanjan Prusty, B Shivalal Patro	Mar 2024  International Journal of Communication Networks and Distributed Systems International Journal 1754-3924  10.1504/IJCNDS.2 024.137085	Journal
5	Severity Analysis Automation for Detection of Non-Proliferative Diabetic Retinopathy A survey on wireless sensor network (applications and architecture)	Dr. Gnane Swarnadh Satapathi , Neelapala, Anil Kumar,and	April 2024 Springer Nature,  International Conference	Conference

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		Satya Anuradha Mosa	978-981-99-8886-0 <a href="https://doi.org/10.1007/978-981-99-8886-0_27">https://doi.org/10.1007/978-981-99-8886-0_27</a>	
6	Design, Implementation and Analysis of HIBRI Cipher on IoT Platforms	Dr Kiran Kumar V G, Asmita Poojari, Dr. H. R. Nagesh	May 2024 Springer International Journal 2250-2114 <a href="https://doi.org/10.1007/s40031-024-01067-2">https://doi.org/10.1007/s40031-024-01067-2</a>	Journal
7	A Novel Framework of Video Condensation and Video Retrieval Process using Hybrid Meta-Heuristic Development with Yolo-based Anomaly Detection	Mr.Suhan Das, Santhosh Kumar G	International Journal of Intelligent Systems Technologies and Applications International Journal 10.1504/IJISTA.2024.10062805	Journal
8	Secured Authentication of RFID Devices Using Lightweight Block Ciphers on FPGA Platforms	Pratheksha Rai N, Anusha R , Raghavendra Rao P	Oct 2023 IEEE International Journal 2169-3536 <a href="https://ieeexplore.ieee.org/abstract/document/10266336">https://ieeexplore.ieee.org/abstract/document/10266336</a>	Journal

## 23. Books / Chapters in edited Volumes and papers in National/International Conference Proceedings by Faculties during the year

SI No	Title of the Book Chapter	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc.)	Details of the Publisher
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1.	Face Mask Detection And Alert System Using Artificial Intelligence For Covid-19 Prevention	Baasir Parker, Prashant Kumar Soori, <b>Prakash K. Shetty</b>	Print ISBN : 978-981-99-9553-7 Online ISBN : 978-981-99-9554-7 17-May-2024	Springer, Singapore
2	Futuristic Trends in Electronics & Instrumentation Engineering volume 3 Book 1	Dr.Kiran Kumar V G	978-93-6252-491-1 April 2024 International	IIP

## 24. Books published by the Faculties during the year

Sl No.	Title of the Book	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc)	Details of the Publisher
--	---	---	----	---

## 25. Number of Faculty who received National/ International fellowship/Financial/Awards Support by various agencies:

Sl No.	Name of the Faculty	Details of Fellowship/Financial/Awards	National/International
--	--	--	---

## 26. Research funds sanctioned and received from various agencies, industry and other organizations:

Sl No.	Name of the Project	Name of the Principal Investigator	Year of Award	Funds Sanctioned (Rs.)	Duration of the project
1	Wireless ECG Monitoring Project Code :: RC/IMF/16/2024	Mr. Ganesh U G	2024	75,000/-	2 Years
2	Borescope For Cancer Treatment Project Code :: RC/IMF/17/2024	Mr. Manjukiran	2024	75,000/-	2 Years
3	Neonatal Health Monitoring System Project Code :: RC/IMF/18/2024	Mr. Suhandas	2024	75,000/-	2 Years

  
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## 27. Number of Patents filed/published/awarded:

Sl. No.	Title of the Patent	Name of the Publisher(s)	Details of Patent Publications	Status(filed/published/awarded)
1.	AI BASED HAND HYGIENE MONITORING	UK Patent 2023	Patent ID 6304212	Granted
2.	MEDICAL INJECTOR PEN	Indian Patent 2023	Patent ID 396155-001	Granted

## 28. Student Mentoring/Counselling (mentor-wise list with mentee):

### 4<sup>th</sup> Year

Sl. No.	Name of the Mentor/Counsellor	No. of Mentees
1	Dr. Gnane Swarnadh Satapathy	20
2	Mrs. Sahana K Adyanthaya	20

### 3<sup>rd</sup> Year

Sl. No.	Name of the Mentor/Counsellor	No. of Mentees
1	Mr. Prakash K Shetty	16
2	Mrs. Divya A.	17
3	Mrs. Pratheeksha Rai N.	17
4	Mr. Suhandas	16

### 2<sup>nd</sup> Year

Sl. No.	Name of the Mentor/Counsellor	No. of Mentees
1	Mr. Ganesh U G	16

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2	Mrs. Deepashree A P	16
3	Mrs. Thrapthi Shetty	18
4	Dr. Kiran Kumar	16

## 29. Details of seminar/symposia/conference/refresher course/training programs/webinars organized during the year:

Sl. No	Name of the Convener/Coordinator	Title of the Event	Details of the Resource Person(s)	Duration with dates	No. of participants	Outcome
1	Dr Kiran Kumar V G	C-DAC Mission mode Programme	Dr. Mohammed Misbahuddin Chief Investigator of Ministry of Electronics & IT	17-11-2023 10.00AM-12.00	200	PO6, PO7, PO8, PO9, PO10
2	Pratheeksha Rai N & Prakash K Shetty	Student Branch Inauguration: AY-2023-24 : A Talk on Scenario in the Software Industry.	Mathew Ninan, Vice-President, Semnox Solutions Pvt. Ltd	05/12/23 2.00 – 4.00 PM	228	
3	Dr Kiran Kumar V G, Prof. Divya A	Visit to KARMIC Design Pvt. Ltd, Manipal	Mr Ratnakar Bhat , CEO Mr Pavanraj, Analog Layout Lead Engineer Mr Sudheer Marakala,,HR KARMIC , Manipal	10-01-2024 10:00AM-1:30PM	40	PO1, PO2, PSO1
4	Pratheeksha Rai N & Prakash K Shetty	Workshop on “Embedded System Design through a quick hands-on demo using Embedded Development Platform - Uni-Kit.”	Mr. Vilas Shetty Mr. Ashish, Hardware Design Engineers, Zilliot Technologies Private Limited, Mlore	30-01-2024 10:00AM-1:00PM	42	PO1, PO2, PO11

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5	Mrs. Pratheksha Rai N, Mr. Prakash K Shetty	Workshop on "UX Design"	Mr. Vignesh Kamath, Design Engineer	08-02-2024 2:00PM-5:00PM	38	PO1,PO6, PO11,PSO 3
6	Mrs. Pratheksha Rai N, Mr. Prakash K Shetty	A motivational talk on "How can I Become A Promising Leader? – Some Cases "	Dr. Sudhir Raj K , Professor , J K S Institute of Management , Nitte Deemed to be University , Nitte.	15-02-2024 2:00PM-3:30PM	114	PO9, PO10, PO11
7	Mrs. Pratheksha Rai N, Mr. Prakash K Shetty	An Technical Webinar on "VIVADO Design Suites and Hardware Debug"	CoreEL Technologies	05-06-2024 2:30PM-4:00PM	111	PO1,PO6, PO11,PSO 3
8	Mr. Prakash K Shetty, Harsha C J	A Webinar on " Opportunities in VLSI/Semiconductor Industry "	G Nagaraju Industry Relationship Manager Takshila VLSI	18-06-2024 2:30PM-4:00PM	60	PO1,PO2, PO12,PSO 1,PSO3
9	Mr. Ganesh U G	PCB Workshop – Single and Double layer	G K Bhat Kakunje Software Pvt. Ltd. Mangalore.	28-06-2024 29-06-2024 9.30 am to 4.30 pm	66	PO1, PO2, PO3,PO5, PO9, PO10
10	Mr. Jithendra N.	Technical Talk On , " Latest Trends, Challenges and Changes in the Field of Wireless Communication"	Mr. Chandra Shekhara Shetty , Senior Broadcast Engineer, AIR, Mlore	02-07-2024 , 2.00PM to 4PM	110	PO1,PO2, PO12

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## 30. Details of of Functional MoUs and activity mapping:

S. No	MOU Partner	Activity Mapping
1.	Epitas AJIET Makerspace and Innovation Hub	Internship/ Training
2.	GTTC	Industrial training
3.	Infosys Springboard	Certificate Courses
4.	NASSCOM/IT-ITeS	Webinar, Workshop, Internship
5.	Quantum Learnings center of excellence	Microsoft Training /Certifications
6.	Kakunje Software	Internships, Workshops
7.	Virtual Lab Team , NITK	Curriculum, Internships

31. Details of Consultancy Work in the department: - NIL -

## 32. SWOC Analysis ::

### A. Strength:

- (i) The Department of Electronics and Communication Engineering has well qualified, highly experienced faculty members. All the classrooms and laboratories are ICT enabled to further aid teaching-learning process
- (ii) The faculty provides direct mentoring, interaction, and skill enhancement opportunities for students.
- (ii) IEEE, Electro-Vertz Students Association, Radio Club, and Embedded Clubs promote social responsibility through various activities.

### B. Weaknesses:

- (i) Very limited students pursue higher education.
- (ii) Alumni involvement in placement and other academic activities.
- (iii) Participation of faculty in National and International professional activities beyond the state.
- (iv) Yet to generation of revenue through consultancy.



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## A. Opportunities:

- (i) Organize FDPs / National and International conferences.
- (ii) Hands-on workshops in various emerging technological fields.
- (ii) Motivate students to undertake interdisciplinary and projects sponsored by Laxmi Memorial Education Trust and other Agencies.

## B. Challenges:

- (i) Placement with higher annual package.
- (ii) Attracting top-ranked students to the department.
- (iii) Creating Entrepreneurs and start-up ventures amongst the graduating students.

### 33. Details on whether the following are maintained/updated regularly

Course Files	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Personal Files of Teaching and Non -Teaching staff members	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
IA Audit	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
P- Files	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Student Feedback/ Faculty Feedback/ Program Feedback	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Appraisal	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Whether Innovative Teaching Methods Included	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

  
Name and Signature of the HOD

  
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## Observations of the Academic Audit Team:

- Department must try for Consultancy work/assignment.
- More Student-Projects must be applied for Patents & Fundings.

## Academic Audit Team:

Sl. No.	Name of the Expert	Designation	Affiliation	Signature
1	Dr Rajesh. Rai	Chairman	AJIET	
2	Sharanya. P.S	Member	AJIET, Mangaluru	
3	Dr. Dayanand G. K	Member	CEC, Benjapur	

IQAC COORDINATOR

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## REPORT ON THE ACADEMIC AUDIT (Academic Year September 2023 - August 2024)

1. Name of the Department : Information Science & Engineering

2. Vision of the Department :

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

3. Mission of the Department :

M1: To impart theoretical and practical knowledge through the concepts and technologies in Information Science and Engineering.

M2: To foster research, collaboration and higher education with premier institutions and industries.

M3: Promote innovation and entrepreneurship to fulfill the needs of the society and industry.

4. Sanctioned Intake (Program wise) :

Sl. No.	Name of Program	Sanctioned Intake	Number of Students Admitted
1	Information Science & Engineering	60	62

5. Overall Demand Ratio: 103%

6. Students Enrollment (Program wise) :

Program	Female	Male	Total
Information Science & Engineering	28	34	62

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## 7. Result Analysis:

Semester	Total No. of Students	Total No. of Absentees	Total No. of Students Appeared	FCD	FC	SC	PASS	FAIL	Pass %	PI (%)
1	62	Nil	62	16	15	12	0	19	69	0.53
2	61	Nil	61	21	19	03	0	18	70.49	0.914
3	60	Nil	60	38	17	02	0	03	95	0.86
4										
5	64	Nil	64	28	18	8	0	10	84.38	0.71
6										
7	53	01	52	16	18	14	01	03	90.38	0.71
8	53	Nil	53	48	4	1	0	Nil	100	0.97

8. Number of classrooms and Laboratories with ICT facilities: 3+4 = 7

9. Total number of computers available for students: 125

10. No. of students qualifying in State/ National/ International level examinations (e.g.: GATE/GMAT/CAT/GRE/TOEFL/IELTS Civil services/State Government examinations): 03

11. Details of Students Achievements:

TECHNICAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
Nil	Nil	Nil	01	Nil	Nil	Nil	Nil	Nil	02	02	09

CULTURAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
05	02	Nil	Nil	Nil	Nil	Nil	Nil	02	Nil	Nil	01

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## 12. Details of Student Publications in Conferences/Journals:

Title of the paper	Name of the author(s)	Details of the Publication
Enhancing Road Safety with Machine Learning based Pathole Detection	Shreya Y Shifali Devadiga Abhishek	International Journal of Advanced Research in Computing and Communication Engineering ISSN:2319-5940 Volume:13 Issue:04 April,2024
Enhancing Road Safety with Machine Learning based Pathole Detection.		International Journal of Creative Research Thoughts. ISSN:2320-2882 Volume:12 Issue:01 Jan,2024
Emoassist Counseling Chatbot	Kavya Shama Shifali Shetty Shravya	International Journal of Advanced Research in Computer and Communication Engineering. ISSN:2319-5940 Volume:13 Issue:04 April,2024
Elevating Student wellbeing through AI		International Journal of Creative Research Thoughts ISSN:2320-2882 Volume:12 Issue:02 Feb,2024
Tune Detect: Musical Mastermind for Musicians	Vaishnavi Naik Ashik Raj E Arpitha Manasa S Patankar	International Journal of Advanced Research in Computer and Communication Engineering ISSN:2319-5940 Volume:13 Issue:05 May,2024
Tune Detect: Musical Mastermind for Musicians		International Journal of Creative Research Thoughts ISSN:2320-2882 Volume:12 Issue:01 Jan,2024



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AI Yoga Gesture Detection	Ateef Chaithanya Disha Hebbar	International Journal for Multidisciplinary Research ISSN:2582-2160 Volume:6 Issue:3 May,2024
AI Yoga Gesture Detection	Jagannath	International Journal of Creative Research Thoughts ISSN:2320-2882 Volume:11 Issue:12 Jan,2024
Sign Talk: Bridging Communication Gap	M Tushara Monisha Preksha S Naik Samantha Pinto	International Journal of Advanced Research in Computer and Communication Engineering ISSN:2319-5940 Volume:13 Issue:04 May,2024
Sign Talk: Bridging Communication Gap		International Journal of Creative Research Thoughts ISSN:2320-2882 Volume:12 Issue:02 Feb,2024
Emotune: Emotion and Gender Aware Music Generation Chatbot	Prathik Pratheeksha R Rachana Rao Nithasha	International Journal of Advanced Research in Computer and Communication Engineering ISSN:2319-5940 Volume:13 Issue:04 April,2024
Emotune: Emotion and Gender Aware Music Generation Chatbot		International Journal of Creative Research Thoughts ISSN:2320- 2882 Volume:12 Issue:01 Jan,2024

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AI Based Interview Evaluator: An Emotion and Confidence Classifier	Adithya P Abhiram K R Hrithik N R	International Journal of Advanced Research in Computer and Communication Engineering ISSN:2319-5940 Volume:13 Issue:04 April,2024
Emotion Recognition of elderly people using Deep Learning	Aksha Ananya S Adappa Adithya Shetty A Navya	International Journal of Advanced Research in Computer and Communication Engineering ISSN:2319-5940 Volume:13 Issue:04 April,2024
Blissful Cycle: An Innovative Fostering Holistic Menstrual Well-Being	Kiran Kumar V Greeshma c Poojary Harsharaj B Deeksha K	International Journal of Advanced Research in Computer and Communication Engineering ISSN:2319-5940 Volume:13 Issue:04 April,2024
Secure Vote-Augmenting Democracy with Aadhar linked Biometrics	Adhya Shetty Anusree Ashwitha Mayoori	International Journal of Advanced Research in Computer and Communication Engineering ISSN:2319-5940 Volume:13 Issue:04 April,2024
Mindcare: A Mental Health Intervention System Using Linguistic Intelligence	Prithviraj Roopesh Vaishnavi Kotian Shreesha Rao S	International Journal of Advanced Research in Computer and Communication Engineering ISSN:2319-5940 Volume:13 Issue:05 May,2024

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## 13. Details of Students completed Certification Programs:

Year	No of Students	Name of the Course Provider
2 <sup>nd</sup> and 3 <sup>rd</sup> Year	28	HackerRank
	87	Infosys
	42	Great Learning
	5	Sololearn
	2	Tata
	1	Linked in Learning
	2	Google
	3	Coursera
	1	NPTEL
	1	Simplilearn
	1	100xdevs
	2	Scaler

## 14. Details of Student Undergone Internships:

Year	No of Students	Details of the Company
3 <sup>rd</sup> Year	Amarnath K K	Pace Lab
	Anagha K V	Inquore Systems Pvt Ltd
	Ashwin M	Codelab Systems
	Athin P B	Codelab Systems
	B Nagendra Nayak	Codelab Systems
	Bhoomika Surendra Naik	MIT Campus
	Bhuvan S Shettigar	Codelab Systems
	Chaitra	MIT Campus
	Darpan	Codelab Systems
	Deeksha C J	Thaniya Technologies
	Deeksha Jagath	Thaniya Technologies

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Devesh	MITE Campus
Dhanush	Codelab Systems
Disha M D	Codelab Systems
Durgaprasad	Thaniya Technologies
Ganesan	Codelab Systems
Gaurav B S	NITK, Surathkal
Gautham Shetty	Codelab Systems
Himmath Kumar	Codelab System
Ibrahim Sanaan T A	ComedKares Innovation Hub
Jyothi	NITK, Surathkal
K Devraj	Pace Lab
Kanvika R	Codelab System
Karthik V Suvarna	Codelab Systems
Krupa P V	Codelab Systems
Likith M Shet	Codelab Systems
Megha	Codelab Systems
Megha	Codelab Systems
Mohit V K	MITE Campus
Naveena	Thaniya Technologies
Nidhi J M	NITK, Surathkal
Nirikshith T Shetty	MITE Campus
Nisha Hebbar	MIT Campus
Pavan Shettigar	MITE Campus
Pragathi	MIT Campus
Prajna D'souza	NITK, Surathkal
Prajna Shivani	MIT Campus
Prajwal	Codelab Systems
Pranush R Shetty	MITE Campus
Pratiksha Niranjana Karkera	Codelab Systems

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Preethi	MIT Campus
Rahil Yusuf Abubakkar	MITE Campus
Ramitha Shetty	MIT Campus
Risha Jesika Gonsalves	MIT Campus
Rithvik Thanikuzhiyil Rajesh	Comedkares Innovation hub
Samruddhi Rai K H	Inqore Systems Pvt Ltd
Saurav	MITE Campus
Sharanya Rai B	Codelab Systems
Shetty Gaurav Gopalakrishna	Codelab Systems
Shravya M R	Thaniya Technologies
Shreenikethan R Bhat	Codelab Systems
Sneha Gode	NITK, Surathkal
Sudheeksha K Shetty	MIT Campus
Sushmitha	Codelab Systems
Swathi	Thaniya Technologies
Swathi Bhat S	Codelab Systems
Thanvi R Shetty	Thaniya Technologies
Thashvy S Suvarna	MIT Campus
V Dhanya	MIT Campus
Vikram Balachandra Naik	MITE Campus
Sahithya	Thaniya Technologies
Sunil Kumar	MIT Campus
Mohammed Nauman	MITE Campus

Year	No of Students	Details of the Company
4 <sup>th</sup> Year	A Navya	RDL Technology Pvt Ltd
	Abhiram K R	Codelab Systems
	Abhishek	Code lab systems
	Adhya Shetty P	Accolade Tech Solutions

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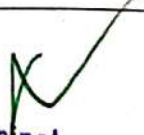
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Adithya P	Codelab Systems
Adithya Shetty	BOSCH
Ajay Kumar Sonkar	Codelab Systems
Ananya S Adappa	Rooloo Innovations Pvt. Ltd.
Anushree	Accolade Tech Solutions
Arpitha	Accolade Tech Solutions
Ashik Raj E	Codelab Systems
Ashwitha	Accolade Tech Solutions
Ateef Hussain Sheikh	Accolade Tech Solutions
Chaithanya	Zephyr Technologies and Solutions Pvt. Ltd.
Deeksha K	RDL Technologies Pvt. Ltd.
Disha Hebbar	Zephyr Technologies and Solutions
Greeshma C Poojary	RDL Technologies Pvt Ltd, Mangalore
Harsharaj B	RDL Technologies Pvt. Ltd.
Hrithik N R	Codelab Systems
Jagannath S Urva	Codelabs Systems Mangalore
Kavya	Zephyr Technologies and Solutions Pvt Ltd
Kiran Kumar V	RDL Technologies Pvt Ltd
Kiran Shetty	Mcware Technologies
Krithik Kumar	Codelab Systems
M Tushara	Cranes Varsity Software International Limited, Bangalore
Manasa Shivanand Patankar	Diya System
Mayoori P	Accolade Tech Solutions
Melroy Peter Tellis	Accolade Tech Solutions
Mohammad Moushoof	Zephyr Technology and Solutions and Pvt Ltd
Monisha	Codelabs Systems
Nischith Kulal	Fininnox
Nithasha	Accolade Tech Solutions

  
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Pratheeksha R	Accolade Tech Solutions
Prathik S	Accolade tech solutions
Preksha S Naik	Codelab Systems
Prithviraj	Codelab Systems
Rachana Rao	Accolade Tech Solutions
Roopesh	Accolade Tech Solutions
S Vaishnavi Kotian	Mangalore Refinery and Petrochemicals Limited.
Samantha Patrick Pinto	Codelab Systems
Sanjana V S	Mangalore Refinery Petrochemical Limited
Shadeed Shukoor	Compsoft Technologies
Shama	Zephyr Technologies & Solutions Pvt. Ltd
Shifali Jagannath Devadiga	Accolade Tech Solutions
Shifali Shetty	Zephyr Technologies and Solutions Pvt Ltd
Shravya	Zypher Technologies and Solutions Pvt Ltd
Shreesha Rao S	Accolade Tech Solutions, Mangalore
Shreya Y	Accolade Tech Solutions, Kankanady
Swasthik	Accolade Tech Solutions
Vaishnavi Mohan Naik	Accolade Tech Solutions
Vignesh S Nayak	Accolade Tech Solutions
Yashas M Bhandary	Accolade Tech Solutions
Aksha	Rooloo Innovations Pvt. Ltd

## 15. Details of students undertaken Mini Projects

Year	Subject	Name of the Student	Name of the Project
3 <sup>rd</sup> Year	Software Testing Lab (21ISL66)	Thanvi R Shetty	Perfumes E-Commerce Web Application
		Pragathi	
		Deeksha C J	Cosmetics E-Commerce Web Application
		Sahithya Borker	
		Pratiksha Niranjana Karkera	Watches E-Commerce Web Application
		Swathi Bhat S	

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	B Nagendra Nayak	Medimart E-Commerce Web Application
	Bhoomika Surendra Naik	
	Sunil Kumar M D	Shoes E-Commerce Web Application
	Swathi	
	Sneha Ghode	Candid Clothes Web Application
	Nisha Hebbar	
	Samruddhi Rai KH	Online Chocolate & Confectionery E-commerce Web Application
	Disha M.D	
	Chaitra	Jewelleries E-commerce Web Application
	Megha	
	Deeksha Jagath	Plantopia E-commerce Web Application
	Devesh	
	Bhuvan S Shettigar	Mobile Phone E-commerce Web Application
	Gaurav B S	
	Durgaprasad	Online Grocery Store E-commerce Web Application
	Gautham Shetty	
	Naveena	Laptop Hub E-commerce Web Application
	Prajwal	
	Vikram Balachandra Naik	
	Pavan Shettigar	Social Nexa Website
	Jyothi	Handicrafts E-commerce Web Application
	Nidhi J M	
	V.Dhanya	Books E-commerce Web Application
	Preethi	
	Shravya M R	AgroFresh: Online Fruits and Veggies
	Kanvika R	
	Sharanya Rai	Bags and Clutches E-commerce Web Application
	Megha	
	Shreenikethan R Bhat	Supercars E-commerce Web Application
	Rithvik T R	
	Darpan	Storage devices E-commerce Web Application
	Athin P B	

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	Ramitha Shetty	Stationery products E-commerce Web Application
	Risha Jesika Gonsalves	
	Likith M Shet	Car products E-commerce Web Application
	Nirikshith Shetty	
	Sudheeksha K Shetty	Hair care products E-commerce Web Application
	Thashvy S Suvarna	
	Mohit V.K.	Online Food Delivery E Commerce Web Application
	Dhanush	Audio devices E-commerce Web Application
	Krupa P V	
	Himmath Kumar	Smart Home Devices E-Commerce Web Application
	Ganesan	
	Prajna Dsouza	Gift items E-Commerce Web Application
	Prajna Shivani	
	Amarnath K. K.	Headphones E-Commerce Web Application
	K. Devraj	
	Anagha K. V.	Flower Shop E-Commerce Web Application
	Ibrahim Sanaan	
	Rahil Yusuf Abubakkar	Social Network
	Pranush R Shetty	
	Saurav	Tire Storee- Web Application
Shetty Gaurav Gopalakrishna		

Year	Subject	Name of the Student	Name of the Project	
3 <sup>rd</sup> Year	Mini project (21ISMP67)	Athin P B	Daans Sethu	
		Likith M Shet		
		Darpan		
		B Nagendra Nayak		
		Sushmitha		Health Care Chatbot
		Megha M		
		Sharanya Rai		
		Ramitha Shetty		

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	Krupa P V	College Voting Platform
	Megha	
	Dhanush	
	Disha M.	
	Nidhi J.M.	Automation of Signal Timers
	Kanvika R	
	Jyothi	
	Devesh	
	Himmath Kumar	Nutrition Table Smart Product Scanner
	Gaurav B S	
	Naveena	
	Ganeshan	
	Bhuvan Shettigar	Lipreading using Deep Learning
	Gautham Shetty	
	Chaitra	
	Durgaprasad	
	Risha Jesika Gonsalves	Skin Disease Detection using Machine Learning
	Prajna Shivani	
	Thashvy S. Suvarna	
	Sudeeksha K.Shetty	
	Srinikethan R. Bhat	LITS-AJ
	Ashwin M	
	Karthik V Suvarna	
	Prajwal	
	Vikram Balachandara Naik	AuraAssign
	Rahil Yusuf Abubakkar	
	Pavan Shettigar	
	Pranush R Shetty	

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		Pragathi	Smart Health Care System
		Nisha Hebbar	
		Bhoomika Surendra Naik	
		Sneha Ghode	
		Shetty Gaurav	Pulselife
		Saurav	
		Shravya M R	
		Mohith V K	
		Deeksha C J	Breast Cancer Detection
		Deeksha Jagath	
		Thanvi R Shetty	
		Saahithya Borker	
		V Dhanya	Sign Language Recognition
		Preethi	
		Rahil Yusuf Abubakkar	
		Anagha K V	
		Amarnath K K	Easyfit
		Devraj	
		Samruddhi Rai K H	
		Sunil Kumar	
		Pratheeksha Niranjan Karkera	Mental Health Monitor Using Voice Analysis
		Swathi	
		Swathi Bhat	
		Prajna DSouza	
		Nirikshith T Shetty	Food Blogging
		Rithvik Thanikuzhiyil Rajesh	

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## 16. Details of students undertaken Major Projects

Year	Name of the Student	Name of the Project	Name of the Guide
4 <sup>th</sup> Year	Adithya P	AI Based Mock Interview	Mrs. Navya Rai
	Abhiram K R	Evaluator: Emotion and	
	Hrithik N R	Confidence Classifier	
	Aksha	Emotion Recognition of elderly people using Deep Learning	Mr. John Prakash Veigas
	Ananya S Adappa		
	Adithya Shetty		
	A Navya		
	Vaishnavi naik	Tune Detect: Musical Mastermind for Musicians	Mrs .Archana Priyadarshini
	Ashik Raj E		
	Arpitha		
	Manasa S Patankar	Sign Talk: Bridging Communication Gap	Mrs Sivapuram Jayasri
	M Tushara		
	Monisha		
	Preksha S Naik		
	Samantha Pinto	RedEssence: Embrace Multi-Dimensional Approach to Menstrual Well-Being	Prof . Rakesh MR
	Kiran Kumar V		
	Greeshma C Poojary		
	Harsharaj B		
	Deeksha K	I-Narrate:Image to Braille Conversion using Deep Learning	Mrs.Sharanya P S
	Sanjana V S		
	Swasthik		
	Vignesh Nayak	Quantum Nearest Neighbour:Tracking Multiple Targets Amidst High Sea Clutter	Mr. John Prakash Veigas
	Yashas M Bhandary		
	Nischith		
Melroy			
Mohammad			
Moushoof			

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Kiran Shetty		
Prathik		Mrs. Archana Priyadarshini Rao
Pratheeksha R	Emotune:Emotion and Gender	
Rachana Rao	Aware Music Generation	
Nithasha	Chatbot	
Kavya		Mrs. Divya P
Shama	Elevating Student Well-Being	
Shifali Shetty	through AI	
Shravya		
Ateef		Dr. Suresha D
Chaithanya	AI Yoga Posture Estimation	
Disha Hebbar		
Jagannath		
Adhya Shetty		Prof. Prabhakara B K
Anusree	Secure Vote-Augmenting	
Ashwitha	Democracy with Aadhar linked	
Mayoori	Biometrics	
Prithviraj		Mrs. Sharanya P S
Roopesh	Mindcare:A Mental Health	
Vaishnavi Kotian	Intervention System Using	
Shreesha Rao S	Linguistic Intelligence	
Shreya Y		Dr. Suresha D
Shifali Devadiga	Enhancing Road Safety with	
Abhishek	Machine Learning-Based	
Ajay Kumar Sonkar		Mrs.R.Sahaya Shamini
Shadeed Shukoor	Pathole Detection	
Krithik Kumar	Machine Learning For The	
	Early-Stage Detection of	
	AUTISM	

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## 17. Details of Industry Visits Organized for Students:

Sl No.	Date	Company Details	No of students
1	1/2/2024	Cyber and Bioincubator Lab, Manipal	64

## 18. Details of Outreach Programs (AICTE Activity/NSS/NCC etc):

3 <sup>rd</sup> Year	
Name	Activity Details
Amarnath K K	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Rescue and Feeding of Stray Dogs</li><li>3. Food Preservation and Packaging</li></ol>
Anagha K V	<ol style="list-style-type: none"><li>1. Adoption of Plants and Awareness of Plantation</li><li>2. Beach Cleaning</li><li>3. Empowering Orphanage Children</li></ol>
Ashwin M	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li></ol>
Athin P B	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness Plantation</li><li>2. Awareness of Computer and Basic of Microsoft Tools</li><li>3. Food Preservation and Packaging</li></ol>
B Nagendra Nayak	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li><li>3. Food Preservation and Packaging</li></ol>

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Bhoomika Surendra Naik	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basic of Microsoft Tools</li><li>2. Beach Cleaning</li><li>3. Food Preservation and Packing</li></ol>
Bhuvan S Shettigar	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Awareness of Computer and Basic of Microsoft Tools</li><li>3. Beach Cleanup Event</li></ol>
Chaitra	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plants and Plantation</li><li>2. Rescue and Feeding of Stray Dogs</li><li>3. Beach Cleaning</li></ol>
Darpan	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basic of Microsoft Tools</li><li>2. Swachata Hi Seva</li><li>3. Food Preservation and Packing</li></ol>
Deeksha C J	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plants and Plantation</li><li>2. Rescue and Feeding of Stray Dogs</li><li>3. Beach Cleaning</li></ol>
Deeksha Jagath	<ol style="list-style-type: none"><li>1. Adaptation of Plant and Awareness of Plants and Plantation</li><li>2. Rescue and Feeding of Stray Dogs</li><li>3. Food Preservation and Packaging</li></ol>
Devesh	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li></ol>
Dhanush	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness Plantation</li><li>2. Awareness of Computer and Basic of Microsoft Tools</li><li>3. Beach Cleanup Event</li></ol>
Disha M D	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness Plantation</li></ol>
Durgaprasad	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li></ol>
Ganesan	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness Plantation</li></ol>
Gaurav B S	<ol style="list-style-type: none"><li>1. Outreach Program</li><li>2. School Visit</li><li>3. Beach Cleaning</li></ol>

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Gautham Shetty	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness Plantation</li><li>2. Awareness of Computer and Basic of Microsoft Tools</li><li>3. Beach Cleanup Event</li></ol>
Himmath Kumar	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Food Preservation and Packaging</li><li>3. Swachhata Abhiyan</li></ol>
Ibrahim Sanaan T A	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plantation</li><li>2. Food Preservation and Packaging</li><li>3. Beach Cleaning</li></ol>
Jyothi	<ol style="list-style-type: none"><li>1. Adoption of Plants and Awareness of Plantation</li><li>2. Outreach Programme and Interaction with Disabled</li><li>3. Public Awareness Programme</li></ol>
K Devraj	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Rescue and Feeding of Stray Dogs</li><li>3. Food Preservation and Packaging</li></ol>
Kanvika R	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Food Preservation and Packaging</li><li>3. Rescue and Feeding of Stray Dogs</li></ol>
Karthik V Suvarna	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li></ol>
Krupa P V	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plantation</li><li>2. Awareness of Computer and Basic of Microsoft Tools</li><li>3. Beach Cleanup Event</li></ol>
Likith M Shet	<ol style="list-style-type: none"><li>1. Adoption of Plants and Awareness of Plantation</li><li>2. Awareness of Computer and Basic of Microsoft Tools</li><li>3. Beach Cleaning</li><li>4. Food preservation and packaging</li></ol>
Megha	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plantation</li><li>2. Awareness of Computer and Basic of Microsoft Tools</li><li>3. Beach Cleanup Event</li></ol>

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Megha	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plantation</li><li>2. Empowering Orphanage Children</li><li>3. Food Preservation and Packaging</li></ol>
Mohit V K	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Beach Cleaning</li></ol>
Naveena	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li></ol>
Nidhi J M	<ol style="list-style-type: none"><li>1. Adoption of Plants and Awareness of Plantation</li><li>2. Outreach Programme and Interaction with Disabled</li><li>3. Public Awareness Programme</li></ol>
Nirikshith T Shetty	<ol style="list-style-type: none"><li>1. School Visit</li><li>2. Beach Cleaning</li></ol>
Nisha Hebbar	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Beach Cleaning</li><li>3. Empowering Orphanage Children</li></ol>
Pavan Shettigar	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basic of Microsoft Tools</li><li>2. Food Preservation and Packaging</li><li>3. Swachhata Abhiyan</li></ol>
Pragathi	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Beach Cleaning</li><li>3. Food Preservation and Packing</li><li>4. Empowering Orphanage Children</li></ol>
Prajna D'souza	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Food Preservation and Packaging</li><li>3. Rescue and Feeding of Stray Dogs</li></ol>
Prajna Shivani	<ol style="list-style-type: none"><li>1. Interacting with Disabled</li><li>2. Beach Cleaning</li><li>3. Public Awareness Programme</li></ol>
Prajwal	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li></ol>

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Pranush R Shetty	<ol style="list-style-type: none"><li>1. School Visit</li><li>2. Beach Cleaning</li></ol>
Pratiksha Niranjana Karkera	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Rescue and Feed of Stray Dogs and Birds</li><li>3. Food Preservation and Packing</li></ol>
Preethi	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Beach Cleaning</li><li>3. Food Preservation and Packaging</li></ol>
Rahil Yusuf Abubakkar	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basic of Microsoft tools</li><li>2. Swachhata Hi Seva</li></ol>
Ramitha Shetty	<ol style="list-style-type: none"><li>1. Adoption of Plants and Awareness</li><li>2. Beach Cleaning</li><li>3. Interacting with the Disabled</li></ol>
Risha Jesika Gonsalves	<ol style="list-style-type: none"><li>1. Adoption of Plants and Awareness</li><li>2. Beach Cleaning</li><li>3. Interacting with the Disabled</li></ol>
Rithvik Thanikuzhiyil Rajesh	<ol style="list-style-type: none"><li>1. School Visit</li><li>2. Beach Cleaning</li></ol>
Samruddhi Rai K H	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Adoption of Plant and Awareness</li><li>3. Empowering Orphanage Children</li></ol>
Saurav	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li></ol>
Sharanya Rai B	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plantation</li><li>2. Empowering Orphanage Children</li><li>3. Food Preservation and Packaging</li></ol>
Shetty Gaurav Gopalakrishna	<ol style="list-style-type: none"><li>1. Awareness of Computer and Basics of Microsoft Tools</li><li>2. Swachhata Hi Seva</li></ol>
Shravya M R	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Rescue and Feed of Stray Dogs and Birds</li></ol>

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	<ol style="list-style-type: none"><li>3. Beach Cleanup Event</li><li>4. Food Preservation and Packaging</li></ol>
Shreenikethan R Bhat	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of Computer and Basics of Microsoft Tools</li></ol>
Sneha Gode	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Beach Cleaning</li><li>3. Food Preservation and Packing</li><li>4. Empowering Orphanage Children</li></ol>
Sudheeksha K Shetty	<ol style="list-style-type: none"><li>1. Interacting with Disabled</li><li>2. Beach Cleaning</li><li>3. Public Awareness Programme</li></ol>
Sushmitha	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plantation</li><li>2. Empowering Orphanage Children</li><li>3. Food Preservation and Packaging</li></ol>
Swathi	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plants</li><li>2. Rescue and Feed of Stray Dogs and Birds</li><li>3. Food Preservation and Packing</li></ol>
Swathi Bhat S	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Rescue and Feed of Stray Dogs and Birds</li><li>3. Food Preservation and Packing</li><li>4. School Visit</li></ol>
Thanvi R Shetty	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness of Plants</li><li>2. Rescue and Feed of Stray Dogs and Birds</li><li>3. Food Preservation and Packing</li></ol>
Thashvy S Suvarna	<ol style="list-style-type: none"><li>1. Interacting with Disabled</li><li>2. Beach Cleaning</li><li>3. Public Awareness Programme</li></ol>
V Dhanya	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Beach Cleaning</li><li>3. Food Preservation and Packaging</li></ol>

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Vikram Balachandra Naik	<ol style="list-style-type: none"><li>1. Adoption of Plant and Awareness</li><li>2. Outreach Programme and Interaction with Disabled</li><li>3. Swachata Hi Seva</li></ol>
Sahithya	<ol style="list-style-type: none"><li>1. Rescue and Feeding of Stray Dogs</li><li>2. Beach Cleaning</li><li>3. Food Preservation and Packaging</li></ol>
Sunil Kumar	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Food Preservation and Packaging</li><li>3. Awareness of Computer and Basic of Microsoft Tools</li><li>4. Empowering Orphanage Children</li><li>5. Rescue and Feeding of Stray Dogs</li></ol>

4 <sup>th</sup> Year	
Name	Activity Details
A Navya	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Promotion of Appropriate Technologies</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Abhiram K R	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging Drive</li></ol>
Abhishek	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Adhya Shetty P	<ol style="list-style-type: none"><li>1. Beach Cleaning</li></ol>

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	<ol style="list-style-type: none"><li>2. Syllabi Sessions for School Children</li><li>3. Voter ID Registration</li><li>4. Empowering of Orphanage Children</li><li>5. Road Cleaning</li></ol>
Adithya P	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging</li></ol>
Adhithya Shetty	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Ajay Kumar Sonkar	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging Drive</li></ol>
Ananya S Adappa	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging</li></ol>
Anushree	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Syllabi Sessions for School Children</li><li>3. Empowering Socio psycho Individuals</li><li>4. Pet Bottle Manufacturing and Packaging</li><li>5. Empowering Orphanage Children</li></ol>
Arpitha	<ol style="list-style-type: none"><li>1. Beach Cleaning</li></ol>

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	<ol style="list-style-type: none"><li>2. School Support Volunteer</li><li>3. Food Packaging Drive</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion Appropriate Technologies</li></ol>
Ashik Raj E	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. Food Packaging Drive</li><li>4. Y20 Talks - Cyber Security in India, Challenges and Opportunities</li><li>5. Tourism Promotion</li></ol>
Ashwitha	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Syllabi Sessions for School Children</li><li>3. Empowering Socio psycho Individuals</li><li>4. Pet Bottle Manufacturing and Packaging</li><li>5. Tourism Promotion</li></ol>
Ateef Hussain Sheikh	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. English Communication Boot camp for High School Students</li><li>4. Empowering Orphanage Children</li></ol>
Chaithanya	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. food packaging</li></ol>
Deeksha K	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Food Packaging Drive</li><li>3. School Support Volunteers</li><li>4. Tourism Promotion</li><li>5. Spreading Awareness Among Students</li></ol>

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Disha Hebbar	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packing</li></ol>
Greeshma C Poojary	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Food Packaging Drive</li><li>3. School Support Volunteers</li><li>4. Tourism Promotion</li><li>5. Spreading Awareness Among Students</li></ol>
Harsha Raj B	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. Food Packaging Drive</li><li>4. Student Support Volunteer</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Hrithik N R	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging Drive</li></ol>
Jagannath S Urva	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. Food Packaging Drive</li><li>4. Student Support Volunteer</li><li>5. Y20 Talks- Cyber Security in India Challenges and Opportunities</li></ol>
Kavya	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. English Communication Boot camp for High School Students</li><li>3. Empowering Orphanage Children</li></ol>

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	<ol style="list-style-type: none"><li>4. Tourism Promotion</li><li>5. Food Packaging</li></ol>
Kiran Kumar V	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. Food Packaging Drive</li><li>4. Student Support Volunteer</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Kiran Shetty	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. Food Packaging Drive</li><li>4. Student Support Volunteer</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Krithik Kumar	<ol style="list-style-type: none"><li>1. Empowering Orphanage Children</li><li>2. Promotion of Appropriate Technologies</li><li>3. Food Packaging Drive</li><li>4. English Communication Bootcamp for High School Students</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
M Tushara	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Technologies</li></ol>
Manasa Shivanand Patankar	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Promotion of Appropriate Technologies</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Mayoori P	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Syllabi Sessions for School Children</li></ol>

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	<ol style="list-style-type: none"><li>3. Empowering Socio psycho Individuals</li><li>4. Pet Bottle Manufacturing and Packaging</li><li>5. Tourism Promotion</li></ol>
Melroy Peter Tellis	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness English Communication</li><li>3. Empowering Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Mohammed Moushoof	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovation Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Monisha	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Promotion of Appropriate Technologies</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Nischith Kulal	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Promotion of Appropriate Technologies</li><li>3. Food Packaging Drive</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. School Support Volunteer</li></ol>
Nithasha	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Pratheeksha R	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li></ol>

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	<ol style="list-style-type: none"><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Prathik S	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Preksha S Naik	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Prithviraj	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Rachana Rao	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Roopesh	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Idea Conclave for Better Mangalore</li><li>3. Y20-Talks: Cyber Security, Challenges and Opportunities</li><li>4. Empowering of Orphanage Children</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
S Vaishnavi Kotian	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li></ol>

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	<ol style="list-style-type: none"><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging Drive</li></ol>
Samantha Patrick Pinto	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Promotion of Appropriate Technologies</li></ol>
Sanjana V S	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion through Cleanliness</li><li>5. Food Packaging Drive</li></ol>
Shadeed Shukoor	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. English Communication Boot camp for High School Students</li><li>3. Promotion of Appropriate Technologies</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging Drive</li></ol>
Shama	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. English Communication Boot camp for High School Students</li><li>3. Empowering of Orphanage Children</li><li>4. Food Packaging</li></ol>
Shifali Jagannath Devadiga	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Food Packing</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Shifali Shetty	<ol style="list-style-type: none"><li>1. Beach Cleaning</li></ol>

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	<ol style="list-style-type: none"><li>2. English Communication Boot camp for High School Students</li><li>3. Empowering of Orphanage Children</li><li>4. Food Packing</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Shravya	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging</li></ol>
Shreesha Rao S	<ol style="list-style-type: none"><li>1. Beach cleaning</li><li>2. Idea Conclave for Better Mangalore</li><li>3. Y20-Talks: Cyber Security, Challenges and Opportunities</li><li>4. Empowering of Orphanage Children</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Shreya Y	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packing</li></ol>
Swasthik	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packing Drive</li></ol>
Vaishnavi Mohan Naik	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Food Packaging</li><li>3. School Support Volunteer</li><li>4. Empowering of Orphanage Children</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>

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Vignesh S Nayak	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging</li></ol>
Yashash M Bhandary	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Food Packing</li><li>5. Innovative Tourism Promotion Through Cleanliness</li></ol>
Aksha	<ol style="list-style-type: none"><li>1. Beach Cleaning</li><li>2. Awareness of English Communication</li><li>3. Empowering of Orphanage Children</li><li>4. Innovative Tourism Promotion Through Cleanliness</li><li>5. Food Packaging</li></ol>

## 19. Details of Funds received by students for various activities:

Sl No	Project team & team ID	Student name	USN	Guide name	Project title	Sanctioned Amount
1	Team – 14 AJIET/ISE/ PROJECT/ 2023- 24/Team-14	Ajay Kumar		Mrs.R.Sahaya Shamini	Machine Learning for Early-Stage Autism Detection	4,000.00
		Sonkar	4JK20IS007			
		Shadeed Shukoor	4JK20IS045			
		Krithik Kumar	4JK20IS025			
2	Team – 13 AJIET/ISE/ PROJECT/ 2023- 24/Team-13	Shreya Y	4JK20IS051	Dr. Suresha D	Enhancing Road Safety with Machine Learning-Based Pothole Detection	4,000.00
		Shifali Devadiga	4JK20IS047			
		Abhishek	4JK20IS003			

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## 20. Faculty strength and specialization.

Sl. No.	Name	Designation	Qualifications	Experience	Area of Specialization	No. of Ph.D Guided/ Guiding
1	Dr. Suresha D	Professor & HOD	Ph.D.	21 Yrs	Image and Video Processing, Computer Vision, Machine Learning and Deep Learning	5
2	Dr.Prabhakara B.K	Associate Professor	M.Tech	24 Yrs	Networking, Data Science, Cloud Computing, Machine Learning	-
3	Dr.John Prakash Veigas	Associate Professor	M.Tech	16 Yrs	Image Processing, Computer Vision, Machine Learning and Deep Learning	-
4	Rakesh M. R	Assistant Professor	M.Tech	6 Yrs	Electronics & communications	-
5	Sharanya P. S	Assistant Professor	M.Tech	8 Yrs	Networking, Data Science, Data Analytics, Machine Learning	-
6	Navya Rai	Assistant Professor	M.Tech	5.5 Yrs	Embedded system, communication,net working	-
7	Mrs. Divya	Assistant Professor	M.Tech	10 Yrs	Data Science, Image and Video	-

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					Processing, Deep Learning, Machine Learning	
8	Sivapuram Jayasri	Assistant Professor	M.Tech	4 Yrs	Programming Language, Networking	-
9	Sahaya Shamini	Assistant Professor	M.Tech	3 Yrs	Networking, Image Processing, Artificial intelligence and Machine Learning	-
10	Archana Priyadarshini	Assistant Professor	M.Tech	9 Yrs	Machine Learning, Artificial Intelligence, Deep Learning, Cryptography	-
11	Arpitha G	Assistant Professor	M.Tech	4 Yrs	Machine Learning, Artificial Intelligence, Operating systems, Graphics, Big Data	-
12	Deepthi Rai	Assistant Professor	M.Tech	13 Years	Artificial Intelligence, Deep Learning	
13	Sayeesh	Assistant Professor	M.Tech	27 Years	Artificial Intelligence, Machine Learning, Image Processing	

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21. No. of Faculties Registered for Ph.D Programs: 04

22. Details of Faculty Publications indexed in SCOPUS/Web of Science/UGC CARE

Sl No	Title of the paper	Name of the Author(s)	Details of the Publications (ISSN/ISBN, Volume, Date of Publication etc.)	Indicate Scopus/Web of Science/UGC Care
1.	EMOTUNE	Prof.Archana Priyadarshini	International Journal of Creative Research Thoughts, Volume 12, Issue 1 January 2024 ISSN: 2320-2882	
2.	Tunedetect	Prof.Archana Priyadarshini	International Journal of Creative Research Thoughts, Volume 12, Issue 1 January 2024 ISSN: 2320-2882	

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3.	Enhancing Road Safety with Machine Learning- Based Pothole Detection	Dr. Suresha D.	International Journal of Creative Research Thoughts, Volume 12, Issue 1 January 2024 ISSN: 2320-2882 pp. a680-a690	
4.	Survey and Analysis on Automated Speech Reading Techniques on Various Languages using Deep Learning	Dr. Suresha D.	Migration Letters Volume: 21, NO: S3 (2024), pp. 735-747, ISSN: 1741-8984 (Print) ISSN: 1741 – 8992 (Online), 2024	

### 23. Books / Chapters in edited Volumes and papers in National/International Conference Proceedings by Faculties during the year: Nil

Sl No	Title of the Book Chapter	Name of the author(s)	Details of the Publications (ISSN/ISBN, Volume, Date of Publication etc.)	Details of the Publisher

Principal

A.J. Institute of Engineering & Technology

Belgaol - 575006



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## 24. Books published by the faculties during the year: Nil

Sl No.	Title of the Book	Name of the author(s)	Details of the Publications (ISSN/ISBN, Volume, Date of Publication etc)	Details of the Publisher

## 25. Number of Faculty who received National/ International fellowship/Financial/Awards Support by various agencies: Nil

Sl No.	Name of the Faculty	Details of Fellowship/Financial/Awards	National/International

## 26. Research funds sanctioned and received from various agencies, industry and other organizations: Nil

Sl No.	Name of the Project	Name of the Principal Investigator	Year of Award	Funds Sanctioned (Rs.)	Duration of the project

## 27. Number of Patents filed/published/awarded: Nil

Sl. No.	Title of the Patent	Name of the Publisher(s)	Details of Patent Publications	Status(filed/published/awarded)

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## 28. Student Mentoring (mentor-wise list with mentee):

Sl. No.	Name of the Mentor	No. of Mentees
1	Dr. Suresha D	21
2	Mrs. Navya Rai	21
3	Mrs. Sahaya Shamini	20
4	Dr. Prabhakar B.K.	21
5	Mrs. Sharanya P.S.	22
6	Mrs. Archana Priyadarshini	21
7	Mr. Rakesh M. R.	19
8	Mrs. Divya	18
9	Mrs. Sivapuram Jayasree	19

## 29. Details of seminar/symposia/conference/refresher course/training programs/webinars organized during the year: Nil

Sl. No	Name of the Convener/Coordinator	Title of the Event	Details of the Resource Person(s)	Duration with dates	No. of participants	Outcome

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## 30. Details of of Functional MoUs and activity mapping: MoUs with following companies:

- Codecraft Technologies Mangalore
- Microdegree

## 31. Details of Consultancy Work in the department:

### 32. SWOT Analysis

#### A. Strength:

- Skilled and knowledgeable staff
- Well-equipped lab facilities
- Academically driven student community

#### B. Weaknesses:

- Reduced number of research grants
- Low number of acclaimed publications
- Lack of inter disciplinary innovation projects

#### C. Opportunities:

- Competent Industry collaboration
- MOUs with top tier companies
- Knowledge exchange with other educational institutions

#### D. Threats:

- High Staff attrition
- Competitive Quality Accreditation
- Low Industry Placements

## 33. Details on whether the following are maintained/updated regularly

Course Files

Yes

No

Personal Files of Teaching and Non -Teaching staff members

Yes

No

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IA Audit  Yes  No

P- Files  Yes  No

Student Feedback/ Faculty Feedback/ Program Feedback  Yes  No

Appraisal  Yes  No

Whether Innovative Teaching Methods Included  Yes  No

34. Any other information, which is not covered above:

*Nujim*  
 H.O.D.-Information Science & Engineering  
 A.J. Institute of Engineering & Technology  
 Mandya - 575 006, D.K. Karnataka

Observations of the Academic Audit Team:

— Staff are advised to publish more papers in reputed journals.

— Product patents to be prioritized

Academic Audit Team:

Sl. No.	Name of the Expert	Designation	Affiliation	Signature
1	Dr Rajesh. Rai	Chairman	AJIET	<i>Rai</i>
2	Mr. Vijaykumar Duvhalakar	External Dept. (Asst. Prof)	AJIET	<i>Vijaykumar</i>
3	Dr. Dayanand G K	External member	CEG, Benjapur	<i>Dayanand</i>

*CSB*  
 IQAC COORDINATOR

*[Signature]*  
 PRINCIPAL  
 A.J. Institute of Engineering & Technology  
 Mangaluru - 575 006



**REPORT ON THE ACADEMIC AUDIT  
(Academic Year Sept, 2023 - Aug, 2024)**

1. Name of the Department : Artificial Intelligence and Data Science

2. Vision of the Department:

To develop globally competent engineers in the field of Artificial Intelligence and Data Science who are innovative and adaptable to the changing needs of industry and society.

3. Mission of the Department :

M1: To provide a conducive learning environment with the latest IT infrastructure to produce complete engineers.

M2: To promote high quality research and innovation to meet the demands of industry and society in the area of Artificial intelligence and Data Science

M3: To establish innovative skill development techno entrepreneurial activities and consultancy for socio economic needs.

4. Sanctioned Intake (Program wise) :

Sl.NO:	Name of Program	Sanctioned Intake	Number of Students Admitted
1	B.E in Artificial Intelligence and Data Science	60	63

5. Overall Demand Ratio: 105%

6. Students Enrollment (Program wise) :

Program	Female	Male	Total
BE	32	31	63

7. Result Analysis :

Semester	Total No. of Students	Total No. of Absentees	Total No. of Students Appeared	FCD	FC	SC	PASS	FAIL	Pass %	PI (%)
1	63	2	61	25	18	4	47	14	77.05	0.67
2	63	3	60	36	10	9	55	5	90.67	0.8

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8. Number of classrooms and Laboratories with ICT facilities:  
1+1(labs shared)

9. Total number of computers available for students :  
35

10. No. of students qualifying in State/ National/ International level examinations (eg: GATE/GMAT/CAT/GRE/TOEFL/IELTS Civil services/State Government examinations):  
NIL

### 11. Details of Students Achievements:

TECHNICAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated

CULTURAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated

SPORTS											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated

### 12. Details of Student Publications in Conferences/Journals

Title of the paper	Name of the author(s)	Details of the Publication
NIL	NIL	NIL

### 13. Details of Students completed Certification Programs

Year	No of Students	Name of the Course and Course Provider
1 <sup>st</sup>		

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SOWMYA CHIDANAND REBBANNAVAR		
PARVATI CHIDANAND REBBANNAVAR		
RIYA MATHEW		
MANVITHA Y B		
AMEEN AHZAN	Digital dairy	Dr. Kishore Shetty and Nishmitha Shetty
MOHAMMED TAHSIN BIN SHAMIM		
MOHAMMED YANNIS		
ABDUL FATHAH		
RESHMA A H	Touch sensor	Dr. Kishore Shetty and Nishmitha Shetty
NISHITA SHEKHAR POOJARY		
AINAM MANSIA		
ABHAY RAJ B	Smart Bin	Dr. Kishore Shetty and Nishmitha Shetty
GOWRAV RAJ		
AMAL T J		
ABHINAND K		
SHUBRATH SHETTY		
PREKSHA	Robotic car that avoids obstacles	Dr. Kishore Shetty and Nishmitha Shetty
SANVI		
PREKSHA M POOJARY		
NISHITHA N R		
SRIJANA		
VEDAVATHI		
PRAVEETH P BHANDARY	Recipe wizard- Your personalised chef	Dr. Kishore Shetty and Nishmitha Shetty
SHISHIR KRISHNA S BALLAL		
VAIBHAV S		
RITHVIK		
PUNITH RAO MOHRE R		
ROHAN C K	Third eye for Blind people	Dr. Kishore Shetty and Nishmitha Shetty
GAGAN M SUVARNA		

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## 14. Details of Student Undergone Internships

Year	No of Students	Details of the Company
1 <sup>st</sup>		

## 15. Details of students undertaken Mini Projects

Year	Name of the Student	Name of the Project	Name of the Guide
1 <sup>st</sup>	MANVITHA KARKERA	Detection of fire alarm	Dr. Kishore Shetty and Nishmitha Shetty
	RUBY KUMARI KHADKA		
	AISHWARYA A MESTHA		
	KEERTHANA		
	LAHARI KIRAN	Smart bridge	Dr. Kishore Shetty and Nishmitha Shetty
	SANJANA S SUVARNA		
	ANANYA		
	SAKSHI N H		
	SNEHA		
	SAKSHI	Wireless power transfer system	Dr. Kishore Shetty and Nishmitha Shetty
	SUDEEPTHI		
	YUSRA SHEIKH ASHFAQ		
	THRISHA		
	SADHANA SINGH		
	VAISHNAVI K S	Lifi Technology	Dr. Kishore Shetty and Nishmitha Shetty
	VARSHITHA B N		
	CHAITHANYA		
	SANJANA		
	AJITH S	Street Light	Dr. Kishore Shetty and Nishmitha Shetty
	ABHISHEK P		
ABHISHEK G R			
HARSHA S RAO			
CHETHAN G P			
PRANAV G	Home Automation	Dr. Kishore Shetty and Nishmitha Shetty	
AFTAB HUSSAIN SHAIK			
YASHAS S SHETTY			
MOHAMMED ZEHAN			
MOHAMMED FAWAZ			
JEEVITHA H R	LPG leakage detector	Dr. Kishore Shetty and Nishmitha Shetty	

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	MANVITH		
	MOHAMMED RANEEM		
	SRUJAN KUMAR		

## 16. Details of students undertaken Major Projects

Year	Name of the Student	Name of the Project	Name of the Guide
1 <sup>st</sup>	NIL	NIL	NIL

## 17. Details of Industry Visits Organized for Students

Sl No.	Date	Company Details	No of students
1.	NIL	NIL	NIL

## 18. Details of Outreach Programs(AICTE Activity/NSS/NCC etc):

NIL

## 19. Details of Funds received by students for various activities:

NIL

## 20. Faculty strength and specialization.

Sl. No.	Name	Designation	Qualifications	Experience	Area of Specialization	No. of Ph.D Guided/Guiding
1	Dr John Prakash Veigas	Associate Professor	PhD	18Y	Image Processing	NIL
2	Mrs Navya S Rai	Asst. Professor	MTech	7Y	Embedded System	NIL

## 21. No. of Faculties Registered for Ph.D Programs:

NIL

## 22. Details of Faculty Publications indexed in SCOPUS/Web Of Science/UGC CARE

Sl No.	Title of the paper	Name of the author(s)	Details of the Publications(ISSN /ISBN, Volume, Date of Publication etc.)	Indicate Scopus/Web of Science/UGC Care
1	NIL	NIL	NIL	NIL

## 23. Books / Chapters in edited Volumes and papers in National/International Conference Proceedings by Faculties during the year

Sl No	Title of the Book Chapter	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc.)	Details of the Publisher
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1	NIL	NIL	NIL	NIL
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## 24. Books published by the Faculties during the year

Sl No.	Title of the Book	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc)	Details of the Publisher
1	NIL	NIL	NIL	NIL

## 25. Number of Faculty who received National/ International fellowship/Financial/Awards Support by various agencies:

Sl No.	Name of the Faculty	Details of Fellowship/Financial/Awards	National/International
1	NIL	NIL	NIL

## 26. Research funds sanctioned and received from various agencies, industry and other organizations:

Sl No.	Name of the Project	Name of the Principal Investigator	Year of Award	Funds Sanctioned (Rs.)	Duration of the project
1	NIL	NIL	NIL	NIL	NIL

## 27. Number of Patents filed/published/awarded:

Sl. No.	Title of the Patent	Name of the Publisher(s)	Details of Patent Publications	Status(filed/published/awarded)
1	NIL	NIL	NIL	NIL

## 28. Student Mentoring (mentor-wise list with mentee):

Sl. No.	Name of the Mentor	No. of Mentees
1	Dr. John Praksh Veigas	20
2	Mrs. Suchitha	20
3	Dr. Pavithra Shanbhog	20

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## 29. Details of seminar/symposia/conference/refresher course/training programs/webinars organized during the year:

Sl. No	Name of the Convener/Coordinator	Title of the Event	Details of the Resource Person(s)	Duration with dates	No. of participants	Outcome
1	Mrs. Suchitha	Workshop on C programming	Dr. John Prakash Veigas	Date: 25-11-2023 Time: 9:00am-1:00 pm	61	Its designed to provide participants, especially beginners, with a solid foundation in C programming through guided exercises, practical examples, and real-time coding.
2	Mrs. Navya S Rai	Webcraft	Nidhi J M, Prajna Shivani, Sudheeksha K Shetty, Vikram Balachandra Naik	Date: 08.06.2024 Time: 9.00AM-4.00PM	45	Attendees learned how to format text, create lists, and incorporate hyperlinks and images

## 30. Details of of Functional MoUs and activity mapping: NIL

## 31. Details of Consultancy Work in the department: NIL

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**32. SWOT Analysis**

**A.Strength:**

- (i) Strong Curriculum and State of the art Infrastructure
- (ii) Experienced Faculties
- (iii) Research and Innovation

**B.Weaknesses:**

- (i) Limited funding
- (ii) Lack of Global exposure
- (iii) Placement challenges

**C.Opportunities:**

- (i) Emerging Technologies and Trends
- (ii) Industry Collaboration
- (iii) Online and continuing education

**D.Threats:**

- (i) Rapid technology changes
- (ii) Curriculum gaps
- (iii) Technical skill enhancement

**33.Details on whether the following are maintained/updated regularly**

- Course Files  Yes  No
- Personal Files of Teaching and Non -Teaching staff members  Yes  No
- IA Audit  Yes  No
- P- Files  Yes  No
- Student Feedback/ Faculty Feedback/ Program Feedback  Yes  No
- Appraisal  Yes  No
- Whether Innovative Teaching Methods Included  Yes  No

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34. Any other information, which is not covered above:

*R. Vijay*  
H.O.D.  
Name and Signature of the HOD  
Artificial Intelligence & Data Science  
AJIET Institute of Engineering and Technology  
Mangaluru - 575 006, D.K., Karnataka

Observations of the Academic Audit Team:

- Advised faculty to register for Ph-D programs.
- Product Patents to be prioritized
- Advised to establish MOU's

Academic Audit Team:

Sl. No.	Name of the Expert	Designation	Affiliation	Signature
1	Dr. Rajesh Rai	Chairman	AJIET	<i>R. Rajesh</i>
2	Mrs. Vijaykumar Dholhai	External Dept. (Asst. Prof)	AJIET	<i>Vijaykumar</i>
3	Dr. Dayanand G K	External Member	CEC, Bengaluru	<i>Dayanand</i>

*V. K.*  
IQAC COORDINATOR

*K.*  
PRINCIPAL  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



## **REPORT ON THE ACADEMIC AUDIT**

**(Academic Year Start Date- 11-09-2023 - End Date 09- 08- 2024)**

- 1. Name of the Department:** Mechanical Engineering
  
- 2. Vision of the Department:** To create globally competent and self-reliant mechanical engineers adaptive to an interdisciplinary environment contributing to society through development, authority and entrepreneurship.
  
- 3. Mission of the Department:**
  - M 1. To offer high quality graduate program in the field of Mechanical Engineering with value education to the students and make them responsive to societal needs.
  
  - M 2. To nurture the students with a global outlook for a sustainable future with high moral and ethical values.
  
  - M 3. To strengthen collaboration with industries, academia and research organizations to enrich learning environment, thus enhance research and entrepreneurship culture.
  
  - M 4. To create awareness about the need of interdisciplinary applications through alumni industry-institution interactions.

**4. Sanctioned Intake (Program wise) :**

<b>SL.NO:</b>	<b>Name of Program</b>	<b>Sanctioned Intake</b>	<b>Number of Students Admitted</b>
1	Mechanical Engineering	60	48

**5. Overall Demand Ratio: 48/60**

**6. Students Enrollment (Program wise) :**

<b>Program</b>	<b>Female</b>	<b>Male</b>	<b>Total</b>
Mechanical Engineering	4	44	48





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## 12. Details of Student Publications in Conferences/Journals

Title of the paper	Name of the author(s)	Details of the Publication

## 13. Details of Students completed Certification Programs

Year	No of Students	Name of the Course and Course Provider
1 <sup>st</sup>	-	-
2 <sup>nd</sup>	-	-
3 <sup>rd</sup>	29	“Short Term Training Programme on Solidworks” / CADTECH Design Academy
	2	NPTEL /Indian Institute of Technology Roorkee
4 <sup>th</sup>	-	-

## 14. Details of Student Undergone Internships

ACADEMIC YEAR: 2023-24		Total Number of Internship undergone by students: 21	
Sl No	Company Name	Total No of Students	
1	A.W Faber Castell (I).PVT.LTD	01	
2	BASF India Limited Mangalore	01	
3	BoschAutomotive Electronic Pvt.Ltd	02	
4	Bright Flexi International PVT LTD,Padudibri	02	
5	Carborundum universal LTD, Kochi	01	
6	Cardolite Speciality Chemicals indian LLLP, Mangalore	01	
7	CSD,NITK Surathkal	01	
8	Kudremukh Iron ore company PVT LTD	01	
9	Mangalore Chemical & fertilizers Limied mangalore	01	
10	Mangalore Pipe Industries	02	
11	MJN Industries ,Bangalore	01	
12	Steel & Industrial Forging Limited ,Thrissur	01	
13	Stelna Design,Mangalore	02	
14	The Western indian PVT LTD	01	
15	Udupi Cochin Shipyard Limited ,malpe	03	



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## 15. Details of students undertaken Mini Projects

Sl. No.	Batch No	USN	Student Name	Guide Name	Project Title
1	B1	4JK21ME007	ABINU N V	Mr. Prakyath	Bicycle Roller and Trainer – Indoor Cycling
2		4JK21ME018	ASHFAR ALI T A		
3		4JK21ME058	VISHNU N P		
4		4JK21ME035	MOHAMMRD HUMRAZ		
5	B2	4JK21ME041	MOKSHITH P	Dr. Sreejith B K	Development of Portable Refrigeration System
6		4JK21ME020	BHAVAN C S		
7		4JK21ME024	JAYANTHA		
8		4JK22ME407	VISHWAS SHETTY		
9	B3	4JK21ME014	ANANDU KRISHNA T V	Dr. Rajesh Rai P	Multi-Functional kitchen gadget
10		4JK21ME008	ADITH P		
11		4JK21ME009	ADITHYAN M		
12		4JK21ME045	NASWIF NOUSHAD		
13	B4	4JK21ME002	ABHILASH M	Dr. Sunil Kumar S	Design and Development of Mini Conveyor Using Geneva Mechanism
14		4JK21ME032	MAHESH B		
15		4JK22ME400	AKSHITH		
16		4JK22ME401	ARUN KUMAR		
17	B5	4JK21ME019	B V TUSHAR	Mr. Harold D Souza	All Type Gear Mechanism
18		4JK21ME015	ANKITH ALVA		
19		4JK21ME052	SHEIKH MOHAMMAD		



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			AZEEM		
20		4JK21ME059	YASHWIN T		
21	B6	4JK21ME035	Mohammed Ashur Anwar	Mr. Prasad B G	Fabrication of Coconut Powder and Carbon Powder Hybrid Composite Material
22		4JK21ME039	MOHAMMED SHAKEEL		
23		4JK21ME050	SAIFUDDIN MOIDIN AHMED		
24		4JK21ME049	SAHAD B		
25		B7	4JK21ME001		
26	4JK21ME038		MOHAMMED MASOOK		
27	4JK21ME044		MUHAMMED SABITH K		
28	4JK21ME053		SHEIZIN HARIS		
29	B8	4JK21ME004	ABHISHEK BHAT P	Dr. Sunil Kumar S	Spring less Automobile Suspension Using Bevel Gear
30		4JK21ME011	AKASH V		
31		4JK21ME046	NAVEENA C K		
32		4JK21ME056	SHREYAS K		
33	B9	4JK21ME023	GAUTHAM J	Mr. Sudesha Shetty	Design and Implementation of Automatic Parking System in Automobile
34		4JK21ME029	LALAN KUMAR S		
35		4JK22ME405	PRAJWAL K		
36		4JK22ME406	SHREEPATHI K		
37	B10	4JK21ME005	ABIN C JOY	Mr. Nithin Shet	Design of Lake Cleaning Machine
38		4JK21ME010	AFEEF HASHIM K V		



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39		4JK21ME016	ANSON SAJI		
40		4JK21ME017	ANUGRAH K		
41	B11	4JK21ME055	SHIVARAJA PAWAR	Mr. Prashantha D A	Design, Analysis and 3-D Printing of Drone Frame
42		4JK21ME033	MELVIN THOMAS		
43		4JK21ME030	LIBIN P T		
44		4JK21ME031	LOHITH G		
45	B12	4JK21ME026	JISHNU K	Dr. Vignesha Nayak	Waste Energy Conservation, Production, Utilization and Storage of Biogas from Municipal Waste
46		4JK21ME025	JAYARAMAN T J		
47		4JK21ME012	ALEX K R		
48		4JK21ME013	AMAL ANTONY		
49	B13	4JK22ME402	AYAN THONSE	Mr. Sudheer Kini	Design of Prosthetic Limb And Feet Using Additive Manufacturing
50		4JK22ME403	HANUMANTHA GOWDA		
51		4JK22ME404	HARISHA G		
52		4JK21ME057	SUJEET KUMAR H N		

## 16. Details of students undertaken Major Projects

Sl. No.	Batch	USN	Team members	Guide	Project Topic
1	B1	4JK20ME005	BHUVAN B SHETTY	Dr. Sunil Kumar S	Investigation on wear characteristics of High Strength Steels coated with corrosion and high resistance material.
2		4JK20ME006	DEEPAK		
3		4JK20ME015	NUHMAN		
4	B2	4JK20ME007	GAUTHAM J PUTHRAN	Mr. Sudheer Kini Mr. Sudhesh Shetty	A Noval Seawater Desalination using Solar Thermal Technology
5		4JK20ME016	ARUN P N		
6		4JK20ME010	JIBEN JACOB		



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7		4JK20ME011	JOEL SIBI		
8	<b>B3</b>	4JK20ME019	VIKITH VISHWANATH SALIAN	Dr. Sreejith B K Mr. Prashanth D A	Active Pitching Mechanism for Vertical Axis Wind Turbine
9		4JK20ME020	SANDEEP K UNNIKRISHNAN		
10		4JK20ME009	JERIEL SEAN		
11	<b>B4</b>	4JK20ME013	MANISH	Mr. Prakhyath Mr. Nithin Shet	Design And Fabrication Of Gravity Power Generator
12		4JK20ME018	PRASHANTH SANKAPPA K		
13		4JK20ME021	SANGEETH DINESH		
14		4JK19ME025	MOHAMMED MAQSHAF		
15	<b>B5</b>	4JK20ME022	SHIVANESH R	Mr. Harold J D'Souza	Investigating the Effect of Wire Arc Additive Manufacturing Process Parameter on the Microstructure and Mechanical Properties of 3D printed 316L Stainless Steel Alloy
16		4JK20ME023	U SAGAR		
17		4JK21ME400	PRATHIK		
18	<b>B6</b>	4JK20ME001	ABISHEK KUMAR PADAVU	Dr. Vighnesha Nayak Mr. Prasad B G	Effect of cardanol blending on the performance, emission combustion & cycle to cycle variation characteristics of single cylinder ci engine with oxygen enrichment
19		4JK20ME003	AKHIL SAJEEV		
20		4JK20ME004	ASHIK H S		
21		4JK20ME014	MUHAMMED SHAZ T P		

## 17. Details of Industry Visits Organized for Students

SI No.	Date	Company Details	No of students
1	31/01/24	Deccan Plast Konaje	31
2	22/03/2024	Air Traffic Controller, Mangalore International Airport	19
3	15/02/2024	GWASF Quality Casting Pvt. Ltd., Baikampady, Mangaluru	45

## 18. Details of Outreach Programs(AICTE Activity/NSS/NCC etc):



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Sl No	USN	NAME
1	4JK19ME025	MOHAMMED MAQSHAF
2	4JK20ME001	ABISHEK KUMAR PADAVU
3	4JK20ME003	AKHIL SAJEEV
4	4JK20ME004	ASHIK H S
5	4JK20ME005	BHUVAN B SHETTY
6	4JK20ME006	DEEPAK
7	4JK20ME007	GAUTHAM J PUTHRAN
8	4JK20ME009	JERIEL SEAN
9	4JK20ME010	JIBEN JACOB
10	4JK20ME011	JOEL SIBI
11	4JK20ME013	MANISH
12	4JK20ME014	MUHAMMED SHAZ T P
13	4JK20ME015	NUHMAN
14	4JK20ME016	ARUN P N
15	4JK20ME018	PRASHANTH SANKAPPA K
16	4JK20ME019	VIKITH VISHWANATH SALIAN
17	4JK20ME020	SANDEEP K UNNIKRISHNAN
18	4JK20ME021	SANGEETH DINESH
19	4JK20ME022	SHIVANESH R
20	4JK20ME023	U SAGAR



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21	4JK21ME400	PRATHIK
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SI No	Category	Weeks	Duration (hrs)	Points
1	Helping local schools to achieve good result and enhance their enrolment in Higher/ technical/ Vocational Education.	2	80-90	20
2	Preparing an actionable business proposal for enhancing the village Income.	2	80-90	20
3	Developing Sustainable Water Management system	2	80-90	20
4	Tourism Promotion Innovative Approaches.	2	80-90	20
5	Promotion of Appropriate Technologies.	2	80-90	20
6	Reduction in Energy Consumption.	2	80-90	20
7	To Skill rural population.	2	80-90	20
8	Facilitating 100% Digitized money transactions.	2	80-90	20
9	Setting of the information imparting club for women leading to contribution in social and economic issues.	2	80-90	20
10	Developing and managing efficient garbage disoosable system.	2	80-90	20
11	To assist the marketing of rural produce.	2	80-90	20
12	Food preservation/packaging.	2	80-90	20
13	Automation of local activities.	2	80-90	20
14	Spreading public awareness under rural outreach programmes	2	80-90	20
15	Contribution to any national level initiative of	2	80-90	20



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Government of India. For e.g. Digital India/ Skill India/ Swachh Bharat Internship etc.,			
--	--	--	--

## 19. Details of Funds received by students for various activities:

SI .NO	TITLE	FUNDED AWARDED	YEAR	RUPEES	GUIDE
1	EFFECT OF CARDANOL BLENDING ON THE PERFORMANCE, EMISSION, COMPUSTION & CYCLE TO CYCLE VARIATION CHARECTERISTICS OF SINGLE CYLINDER CI ENGINE WITH OXYGEN ENRICHMENT	VTU	2023-2024	5500/-	Dr.Vighnesha Nayak Mr.Prasad B.G

## 20. Faculty strength and specialization.

Sl. No.	Name	Designation	Qualifications	Experience	Area of Specialization	No. of Ph.D Guided/Guiding
1	Dr. P. Mahabaleswarappa	Professor and Dean	Ph.D	39	Manufacturing science, machining	-
2	Dr. Rajesh Rai P	Professor	Ph.D	29	Advanced Manufacturing Engineering	-
3	Dr. Vighnesha Nayak	Associate Professor	Ph.D	12	IC Engines and Combustion	-
4	Dr. Sreejith B K	Associate Professor	Ph.D	12	Aerodynamics	1
5	Dr. Sunil Kumar S	Associate Professor	Ph.D	17	Fracture Mechanics	-
6	Mr. Prashantha D A	Assistant Professor	M.Tech	17	Materials Manufacturing	-
7	Mr. Harold Joyson D'Souza	Assistant Professor	M.Tech	14	Computer Aided	-



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					Mechanical Design and Analysis	
8	Mr. Nithin Shet	Assistant Professor	M.Tech	10	Manufacturing	-
9	Mr. Sudheer Kini K	Assistant Professor	M.Tech	10	Machine Design	-
10	Mr. Prakhyath	Assistant Professor	M.Tech	07	Advanced Thermal Power and Energy Systems	-
11	Mr. Prasad B G	Assistant Professor	M.Tech	14	Computer Integrated Manufacturing	-
12	Mr. Sudesha Shetty M	Assistant Professor	M.Tech	10	Machine Design	-
13	Dr. Nithesh K	Assistant Professor	Ph.D.	4	Materials Engineering	-

## 21. No. of Faculties Registered for Ph.D Programs:

01

## 22. Details of Faculty Publications indexed in SCOPUS/Web Of Science/UGC CARE

Sl No.	Title of the paper	Name of the author(s)	Details of the Publications(ISSN /ISBN, Volume, Date of Publication etc.)	Indicate Scopus/Web of Science/UGC Care
	-	-	-	-



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## 23. Books / Chapters in edited Volumes and papers in National/International Conference Proceedings by Faculties during the year

SI No	Title of the Book Chapter	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc.)	Details of the Publisher
	-	-	-	-

## 24. Books published by the Faculties during the year

SI No.	Title of the Book	Name of the author(s)	Details of the Publications(ISSN/ISBN, Volume, Date of Publication etc)	Details of the Publisher
	-	-	-	-

## 25. Number of Faculty who received National/ International fellowship/Financial/Awards Support by various agencies:

SI No.	Name of the Faculty	Details of Fellowship/Financial/Awards	National/International
	-	-	-
	-	-	-

## 26. Research funds sanctioned and received from various agencies, industry and other organizations:

SI No.	Name of the Project	Name of the Principal Investigator	Year of Award	Funds Sanctioned (Rs.)	Duration of the project
	-	-	-	-	-



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## 27. Number of Patents filed/published/awarded:

Sl. No.	Title of the Patent	Name of the Publisher(s)	Details of Patent Publications	Status(filed/published/awarded)
	-	-	-	-

## 28. Student Mentoring (mentor-wise list with mentee):

Sl. No.	Name of the Mentor	No. of Mentees
1	Mr. Sudesha Shetty	12
2	Mr. Prashantha D A	11
3	Mr. Prasad B G	11
4	Mr. Harold J D'Souza	14
5	Mr. Nithin Shet	13
6	Mr. Sudheer Kini	13
7	Mr. Prakhyath	13
8	Dr. Vighnesha Nayak	17
9	Dr. Rajesh Rai P	04
10	Dr. Sunil Kumar	16
11	Dr. Sreejith B K	15

## 29. Detailsof seminar/symposia/conference/refresher course/training programs/webinars organized during the year:

ACADEMIC YEAR: 2023-2024			
Total Number of Seminar undergone by students: 21			
Sl No	USN	Name	Title
1	4JK19ME025	MOHAMMED MAQSHAF	Solid Waste Management
2	4JK20ME001	ABISHEK KUMAR PADAVU	Effect of Compression Ratio the performance and Emission Characteristics



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			of CIEngine for a Blend of Soapnut oil, Cottonseed oil Methyl Ester Diesel
3	4JK20ME003	AKHIL SAJEEV	Phase change Materials
4	4JK20ME004	ASHIK H S	Advances in Smart Applications in the Aerospace Industries
5	4JK20ME005	BHUVAN B SHETTY	ENERGY HARVESTING FROM ROADS USING KINETIC AND PIEZOELECTRIC TECHNOLOGIES
6	4JK20ME006	DEEPAK	Air Braking System Adopting Engine Exhaust
7	4JK20ME007	GAUTHAM J PUTHRAN	SEARCH AND RESCUE ROBOTS
8	4JK20ME009	JERIEL SEAN	48- V MILD HYBRID SYSTEM USED IN HYBRID VICEHLS
9	4JK20ME010	JIBEN JACOB	CERAMIC DISC BRAKES
10	4JK20ME011	JOEL SIBI	Additive Manufacturing in Prosthetics
11	4JK20ME013	MANISH	Non Pneumatic Tyres
12	4JK20ME014	MUHAMMED SHAZ T P	APPLICATION OF ARTIFICIAL NEURAL NETWORKS FOR THE PREDICTION OF PERFORMANCE AND EXHAUST EMISSIONS IN IC ENGINE USING BIODIESEL-DIESEL BLENDS CONTAINING QUANTUM DOT BASED ON CARBON DOPED
13	4JK20ME015	NUHMAN	GUIDED MISSILE SYSTEM ENGINEERING AND DEVELOPMENT
14	4JK20ME016	P N ARUN	LASER IGNITION SYSTEM FOR IC ENGINE
15	4JK20ME018	PRASHANTH SANKAPPA K	Biomass fuel Based on Waste from Paper Industry
16	4JK20ME019	VIKITH VISHWANATH SALIAN	Battery Thermal Management System for Electric Vehicles
17	4JK20ME020	SANDEEP K UNNIKRISHNAN	Magnetic nanotechnology in targeted drug delivery



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18	4JK20ME021	SANGEETH DINESH	ASTRONAUTICAL APPLICATIONS OF AEROGEL
19	4JK20ME022	SHIVANESH R	CRYOGENIC MATERIAL PROCESSING AND ELECTRON MICROSCOPY
20	4JK20ME023	U SAGAR	MICRO ELECTRO MECHANICAL SYSTEM
21	4JK21ME400	PRATHIK	AUTONOMOUS CARS

SI No	Title of Activity	Date
1	Workshop on Robotics	12-09-2023
2	Workshop on Car Overhauling	06-01-2024
3	Workshop on Solidworks	16-01-2024
4	Workshop on Introduction to UX Design	19-01-2024
5	Talk on Higher studies opportunities in Abroad	23-03-2024

## OUT COME:

Skill Development: Acquisition of specific skills such as writing, public speaking, or technical abilities.

Expert Insight: Exposure to industry experts and advanced topics not always covered in standard curriculum.

Interactive Learning: Hands-on experience and practical application of knowledge.

Networking Opportunities: Connections with professionals, peers, and potential mentors.

## 30. Details of of Functional MoUs and activity mapping:

SI No	MOU	Year	Activities
1	Globetech Engineering Solutions	2023-24	Certification course on Solidworks
2	CADD Centre	2022-23	Certification on CATIA
3	Government Tool and Training Centre	2022-23	Industrial visit (2020-21,2021-22, 2022-23) Internship(2022-23)



## 31. Details of Consultancy Work in the department:

NIL

## 32. SWOT Analysis

### A. Strength:

1. **Strong Curriculum:** A well-rounded curriculum that covers fundamental and advanced topics in mechanical engineering.
2. **Experienced Faculty:** Qualified and experienced faculty members with strong academic and industry backgrounds.
3. **Modern Laboratories:** Well-equipped laboratories and workshops providing hands-on experience and practical skills.
4. **Research Opportunities:** Opportunities for students and faculty to engage in research projects and publish papers.
5. **Industry Connections:** Established relationships with industries, leading to internships, placements, and real-world project opportunities.
6. **Accreditation:** Accreditation from relevant bodies ensuring adherence to quality standards and educational effectiveness.
7. **Student Organizations:** Active student clubs and organizations that enhance learning through competitions, workshops, and events.

### B. Weaknesses:

1. **Resource Limitations:** Possible constraints in funding or resources for advanced projects or facility upgrades.
2. **Limited Research Grants:** Potential lack of funding for extensive research projects or faculty development.
3. **Curriculum Gaps:** Potential gaps in the curriculum regarding emerging technologies or industry trends.

### C. Opportunities:

1. **Industry Collaborations:** Expanding partnerships with industries for research, internships, and joint projects.
2. **Emerging Technologies:** Integrating new technologies such as robotics, AI, and sustainable engineering into the curriculum.
3. **Grants and Funding:** Opportunities to secure research grants or funding from government and private sectors.
4. **Online Learning:** Developing online or hybrid courses to reach a broader audience and offer flexibility.
5. **Community Engagement:** Engaging with local communities through outreach programs and industry-relevant projects.

### D. Threats:

1. **Industry Changes:** Rapid technological advancements in the industry could outpace the curriculum and skill development.
2. **Student Enrollment:** Potential fluctuations in student enrollment numbers affecting department resources and operations.
3. **Job Market Conditions:** Variability in the job market for mechanical engineering graduates affecting placement rates and career opportunities.



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### 33. Details on whether the following are maintained/updated regularly

Course Files  Yes  No

Personal Files of Teaching and Non -Teaching staff members  Yes  N

IA Audit  Yes  No

P- Files  Yes  No

Student Feedback/ Faculty Feedback/ Program Feedback  Yes  No

Appraisal  Yes  No

Whether Innovative Teaching Methods Included  Yes  No

### 34. Any other information, which is not covered above:

Name and Signature of the HOD  
(Dr. Rajesh Rai)

### Observations of the Academic Audit Team:

1. R&D Activity should be improved.
2. Consultancy & Certification Course for students should be improved.

### Academic Audit Team:

Sl. No.	Name of the Expert	Designation	Affiliation	Signature
1	Dr Rajesh Rai	Chairman	AJIET	
2	Dr Gnan's's	Dept. extn member (EC)	AJIET	
3	Dr Dayanand	ext college member	CEC Bantwal	

IQAC COORDINATOR

PRINCIPAL  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006



**REPORT ON THE ACADEMIC AUDIT**  
**(Academic Year 11<sup>th</sup> September, 2023 – 09<sup>th</sup> August, 2024)**

- Name of the Department:** CSE (Internet of Things and Cyber security including Blockchain Technology)
- Vision of the Department:** To adapt the evolutionary changes in computer science and expose the students to the cutting-edge technologies to produce globally competent professionals.
- Mission of the Department:**
  - M1:** To ensure holistic professional education in the field of computer science & engineering and produce efficient industry ready IT graduates capable of solving societal problems to be a part of nation building.
  - M2:** To provide an inspirational atmosphere in the department to nurture research and innovation capabilities among students and faculties making them good innovators and visionaries.
  - M3:** To establish a vibrant Industry-Academic relationships and collaborations among the individuals having the opportunities to work on the latest technologies and professional challenges with integrity.
  - M4:** To cultivate students with professional skills, foster innovative research endeavors, and cultivate entrepreneurial capabilities.

4. **Sanctioned Intake (Program wise)** : 60+03

Sl. No	Name of Program	Sanctioned Intake	Number of Students Admitted
1	CSE (Internet of Things and Cyber security including Blockchain Technology)	60+03	61

5. **Overall Demand Ratio:** 96.82 %

6. **Students Enrollment (Program wise):**

Program	Female	Male	Total
CSE (Internet of Things and Cyber security including Blockchain Technology)	25	36	61



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## 7. Result Analysis:

Semester	Total No. of Students	Total No. of Absentees	Total No. of Students Appeared	FCD	FC	SC	PASS	FAIL	Pass %	PI (%)
1	61	00	61	31	11	04	01	14	77.00	68.03
2	61	00	61	40	07	04	00	10	83.61	89.75
3										
4										
5										
6										
7										
8										

8. Number of classrooms and Laboratories with ICT facilities: 01+01

9. Total number of computers available for students: 63

10. No. of students qualifying in State/ National/ International level examinations (eg: GATE/GMAT/CAT/GRE/TOEFL/IELTS Civil services/State Government examinations):  
NIL

## 11. Details of Students Achievements:

TECHNICAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
-	-	-	-	-	-	-	-	-	-	-	-

CULTURAL											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
-	-	-	-	-	-	-	-	-	-	-	-

SPORTS											
NATIONAL LEVEL				STATE LEVEL				REGIONAL LEVEL			
No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated	No. of 1 <sup>st</sup>	No. of 2 <sup>nd</sup>	No. of 3 <sup>rd</sup>	Participated
-	-	-	-	-	-	-	-	-	-	-	-



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MOHAMMED FAZIL(4JK23IC027)	
KEVIN RAYNARD JATHANNA(4JK23IC018)	
DARSHAN PRAMOD CHAVAN(4JK23IC010)	
SPOORTHI VISHWANATH SHETTY(4JK23IC046)	
YASH SHETTY(4JK23IC059)	
THASHVITH D POOJARY(4JK23IC053)	LPG GAS LEAKAGE DETECTOR
POOJA ANIL SHETTY(4JK23IC030)	
KUSHI BHANDARY(4JK23IC022)	
PRANAVI P KUMAR(4JK23IC032)	
YAZHINI(4JK23IC061)	AUTOMATIC FAN WITH ARDUINO
VYSHNAVI D BANGERA(4JK23IC058)	
RIDHA FALAK(4JK23IC037)	
AKASH R ACHARYA(4JK23IC002)	
KAUSHAL G SUVARNA(4JK23IC017)	
DISHAN DINESH(4JK23IC013)	LANGUAGE TRANSLATOR
GURUKRISHNA H(4JK23IC015)	
ANUSH KUMAR SHETTIGAR(4JK23IC005)	
YASHASWINI M V(4JK23IC060)	
K SANJANA ACHARYA(4JK23IC016)	
KHUSHI V SHETTY(4JK23IC019)	
AMRUTHA A R(4JK23IC003)	SMART BRIDGE
ASHVIKA RAI(4JK23IC007)	
THRISHA M(4JK23IC054)	
MITHA S PATIL(4JK23IC026)	
ANJALI KRISHNA D(4JK23IC004)	
SHWETA MAHANTESH SANIKOPP(4JK23IC045)	HYBRID ELECTRIC VEHICLE
THANYA A N(4JK23IC052)	
SHIVANI SATHYAN(4JK23IC043)	
RANJITHA C V(4JK23IC036)	
CHIRAG U SHETTY(4JK23IC009)	
DHANYATH(4JK23IC011)	
MILAN P(4JK23IC025)	SOIL MOISTURE AND TEMPERATURE DETECTOR
DISHAN RAJ(4JK23IC014)	
DHYAN P AMIN(4JK23IC012)	
MAYUR M SUVARNA(4JK23IC024)	
NAVYA NAIR(4JK23IC028)	SOLAR POWERED IRRIGATION SYSTEM
KRITHI R(4JK23IC020)	

Principal

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## 12. Details of Student Publications in Conferences/Journals

Title of the paper	Name of the author(s)	Details of the Publication
-	-	-

## 13. Details of Students completed Certification Programs

Year	No of Students	Name of the Course and Course Provider
1 <sup>st</sup>	29	“The Joy of Computing using Python”, 12-week course (Jan-April 2024) NPTEL Online Certification by Indian Institute of Technology, Madras
	61	“Navigating the Frontiers of Emerging Technologies in Engineering” by Gopalan Skill Academy, Bengaluru
	61	“Principals of IoT and Python Basics” by Infosys Springboard
2 <sup>nd</sup>	-	-
3 <sup>rd</sup>	-	-
4 <sup>th</sup>	-	-

## 14. Details of Student Undergone Internships

Year	No of Students	Details of the Company
1 <sup>st</sup>	-	-
2 <sup>nd</sup>	-	-
3 <sup>rd</sup>	-	-
4 <sup>th</sup>	-	-

## 15. Details of students undertaken Mini Projects

Year	Name of the Student	Name of the Project	Name of the Guide
1 <sup>st</sup>	VAIBHAV R UCHIL(4JK23IC057)	ACCIDENT ALERT SYSTEM	Dr Sujaya Dr Sadananda Kumar Dr Kishore Shetty Dr Laxmi Gulappagol Mrs. Namratha K
	SREERAJ. C(4JK23IC047)		
	SRIRAJ C(4JK23IC049)		
	SHARAN S(4JK23IC042)		
	SRIJAN(4JK23IC048)		
	SRUJAN(4JK23IC050)		
	PRASAD(4JK23IC033)	WATER DISPENSER	
	SHAMNITH T A(4JK23IC041)		
	PRITHVI RAJ(4JK23IC034)		
	SANDESHA(4JK23IC040)		
	ROHAN SAM FRANCIS D MELLO(4JK23IC038)	ULTRA SONIC SPECTACLES	
	NIKHIL K(4JK23IC029)		
	ASHFAQ(4JK23IC006)		

Principal



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	KRITHI V P(4JK23IC021)		
	CHASHMITHA NAIK BALEMBI ANANDA(4JK23IC008)		
	MAITHRI D SHETTY(4JK23IC023)		
	S POORNESH(4JK23IC039)		
	TRISHAL RAJESH KURUVIL(4JK23IC055)	CURRENCY CONVERTER	
	THANVITH D POOJARY(4JK23IC051)		
	PRAKYATH VAGMAN(4JK23IC031)		
	V R VENU(4JK23IC056)		
	PURVI VINAYAGAM(4JK23IC035)		
	SHREYAS B(4JK23IC044)		
	ANJALI KRISHNA D(4JK23IC004)		
	ADITHYA G SANIL(4JK23IC001)		
2nd	NA	NA	NA
3rd	NA	NA	NA
4th	NA	NA	NA

## 16. Details of students undertaken Major Projects

Year	Name of the Student	Name of the Project	Name of the Guide
1 <sup>st</sup>	-	-	-
2 <sup>nd</sup>	NA	NA	NA
3 <sup>rd</sup>	NA	NA	NA
4 <sup>th</sup>	NA	NA	NA

## 17. Details of Industry Visits Organized for Students

Sl No.	Date	Company Details	No of students
1	24-06-2024	Manipal Universal Technology Business Incubator (MUTBI), Manipal	61
2	24-06-2024	ISCA Center of Excellence for Cyber Security	61
3	20-12-2023	Visit to NITK Solve Virtual Lab	61

## 18. Details of Outreach Programs (AICTE Activity/NSS/NCC etc): NIL

## 19. Details of Funds received by students for various activities: NIL

## 20. Faculty strength and specialization.

  
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Sl. No.	Name	Designation	Qualifications	Experience	Area of Specialization	No. of Ph.D Guided/Guiding
1	Dr Laxmi Gulappagol	Associate Professor & HOD	PhD	16	Signal Processing, Network and Internet Engineering	-
2	Mrs. Anupama K	Assistant Professor	M. Tech	10	Cyber Security	-
3	Mrs. Kavya B U	Lab Instructor	Diploma in Computer Science	01	Computer Systems	-

21. No. of Faculties Registered for Ph.D Programs: 01

22. Details of Faculty Publications indexed in SCOPUS/Web of Science/UGC CARE

Sl. No.	Title of the paper	Name of the author(s)	Details of the Publications (ISSN/ISBN, Volume, Date of Publication etc.)	Indicate Scopus/Web of Science/UGC Care
01	"Advanced Exploration of Machine Learning in Cybersecurity: A Comprehensive Analysis"	Mrs. Anupama K	2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC) DOI: 10.1109/ICMNWC60182.2023.10435798	-
02	"Minimization of Churn Rate Through Analysis of Machine Learning"	Mrs. Anupama K	2023 International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE) DOI: 10.1109/ICDCECE57866.2023.10150441	-
03	"Panoptic Region Slicing Segmentation and Optimized Alexnet-Based CNN for Early Melanoma Diagnosis".	Dr Laxmi Gulappagol	SN COMPUTER, SCI. Volume 05, Article Number 756, 01 <sup>st</sup> August 2024. <a href="https://doi.org/10.1007/s42979-024-03131-6">https://doi.org/10.1007/s42979-024-03131-6</a> (Q1 - Journal Scopus Publication)	Scopus

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			<a href="https://link.springer.com/article/10.1007/s42979-024-03131-6">https://link.springer.com/article/10.1007/s42979-024-03131-6</a>	
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## 23. Books / Chapters in edited Volumes and papers in National/International Conference Proceedings by Faculties during the year

Sl No	Title of the Book Chapter	Name of the author(s)	Details of the Publications (ISSN/ISBN, Volume, Date of Publication etc.)	Details of the Publisher
1	"A Survey Paper on SAATHI: Women-Safety-Device Using IoT",	Dr. Laxmi Gulappagol	Chief Editor: Dr. Dhondiram Tukaram Sakhare, Edition: 1st, Publication Year: 2023, Chapter-13, Pages: 157-179, Volume - 8, ISBN: 978-93-94375-45-1, <a href="https://www.scripown.com/online-store">https://www.scripown.com/online-store</a>	Advances in Multidisciplinary Research and Development, Scripown Publications, Delhi

## 24. Books published by the faculties during the year

Sl. No.	Title of the Book	Name of the author(s)	Details of the Publications (ISSN/ISBN, Volume, Date of Publication etc)	Details of the Publisher
-	-	-	-	-

## 25. Number of Faculty who received National/ International fellowship/Financial/Awards Support by various agencies:

Sl. No.	Name of the Faculty	Details of Fellowship/Financial/Awards	National/International
-	-	-	-

## 26. Research funds sanctioned and received from various agencies, industry and other organizations:

Sl. No.	Name of the Project	Name of the Principal Investigator	Year of Award	Funds Sanctioned (Rs.)	Duration of the project
-	-	-	-	-	-

## 27. Number of Patents filed/published/awarded:

Sl. No.	Title of the Patent	Name of the Publisher(s)	Details of Patent Publications	Status(filed/published/awarded)
01	An Adaptive noise reduction system for	Dr Laxmi Gulappagol	Govt. of India Controller General of Patent Design Trademarks Department	Published

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Enhanced Audio Signal Clarity	of Industry Policy and Promotion. International Patent filled., App number: 202421024990 A
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## 28. Student Mentoring (mentor-wise list with mentee):

Sl. No.	Name of the Mentor	No. of Mentees
1	Dr Laxmi Gulappagol	20
2	Mrs. Namratha Shetty	20
3	Dr Sujaya C	21

## 29. Details of seminar/symposia/conference/refresher course/training programs/webinars organized during the year:

Sl. No	Name of the Convener/Coordinator	Title of the Event	Details of the Resource Person(s)	Duration with dates	No. of participants	Outcome
1	Dr Laxmi Gulappagol	Workshop on "GitHub"	<b>Mr. Darshan Bhandary</b> , Beta Microsoft Learn Student Ambassadors & <b>Ms. Nagavarshini</b> , Alpha Microsoft Learn Student Ambassadors	08/06/2024 9:30 AM to 05:00 PM	61	Participants learned Git & GitHub, explored collaborative workflows, and applied their skills on a sample project.
2	Dr Laxmi Gulappagol	Student Skill Enrichment Program on "Springboard to Success: Mastering Infosys Technologies"	<b>Mr. Stanley D'Souza</b> Placement Coordinator, AJIET, Mangalore	06/06/2024 & 10/06/2024	61	Familiarizing with the layout, tools, and resources available on Infosys Springboard


## 30. Details of Functional MoUs and activity mapping: NIL

## 31. Details of Consultancy Work in the department: NIL

## 32. SWOT Analysis

### A. Strength:

- (i) Visionary management team and transparent administrative set up.

  
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- (ii) Qualified, experienced and dedicated teaching faculty with good retention ratio.
- (iii) Student centric functioning with mentoring, counseling and Effective academic monitoring
- (iv) ICT integration in T-L and pedagogical initiatives.
- (v) Strong training and placement cell which resulted skill enhancement
- (vi) Good academic results.
- (vii) Social responsibility is inculcated though NSS.
- (viii) Good participation of students in Co-curricular and extra-curricular activities at National Level.
- (ix) Social inclusiveness (26 percent female candidates, varied socio-economic background)
- (x) B.E courses- CV, CSE, ECE, ISE & ME UG programs are accredited by NBA

## B. Weaknesses:

- (i) Participation of faculty in International professional activities beyond the state.
- (ii) Revenue generation through consultancy
- (iii) Students, being from rural area, are striving to meet national and global standards in technical education and facing language barriers.

## C. Opportunities:

- (i) Ever increasing demand for technical education at UG & PG level of Engineering & Technology.
- (ii) Scope for interdisciplinary and sponsored projects (smart cities).
- (iii) Organize FDPs / National and International conferences.
- (iv) Many more opportunities for tie-ups with both established and start-up companies in India and abroad for enhancing learning outcomes.
- (v) Emphasis on collaboration activities.

## D. Threats:

- (i) Institute has competition from other technical universities.
- (ii) To get meritorious student from the region
- (iii) To map curriculum with fast changing technology and skillset (less flexibility as university syllabus is fixed for four year).

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- (iv) To shift student mindset from exam-oriented approach to learning/skill enhancement approach.
- (v) Fast changing world with cutting edge technologies.
- (vi) Placement with higher annual package and creating more entrepreneurs.

## 32. Details on whether the following are maintained/updated regularly

- Course Files  Yes  No
- Personal Files of Teaching and Non -Teaching staff members  Yes  No
- IA Audit  Yes  No
- P- Files  Yes  No
- Student Feedback/ Faculty Feedback/ Program Feedback  Yes  No
- Appraisal  Yes  No
- Whether Innovative Teaching Methods Included  Yes  No

## 33. Any other information, which is not covered above:

For 1<sup>st</sup> year: entrance exam scores, academic performance in relevant subjects (like mathematics and science) i.e High entrance exam score, Average entrance exam score, Management seat, KEA SNQ / CET/ COMEDK/KLMPCA seat,

Name and Signature of the HOD

Dr. Laxmi Gulappagol

## Observations of the Academic Audit Team:

- Encourage more research work by Faculties
- Motivate Students to involve more in cultural & Extra Curricular activities in both national & International level.

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## Academic Audit Team:

Sl. No.	Name of the Expert	Designation	Affiliation	Signature
1	Dr. Rajesh Rai	Chairman	AJIET	
2	Mrs. Sharamya P.S	External dept Member	AJIET	
3	Dr. Dayananda	External College Member	CEC, Benjapur	

IQAC COORDINATOR

PRINCIPAL

Principal

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