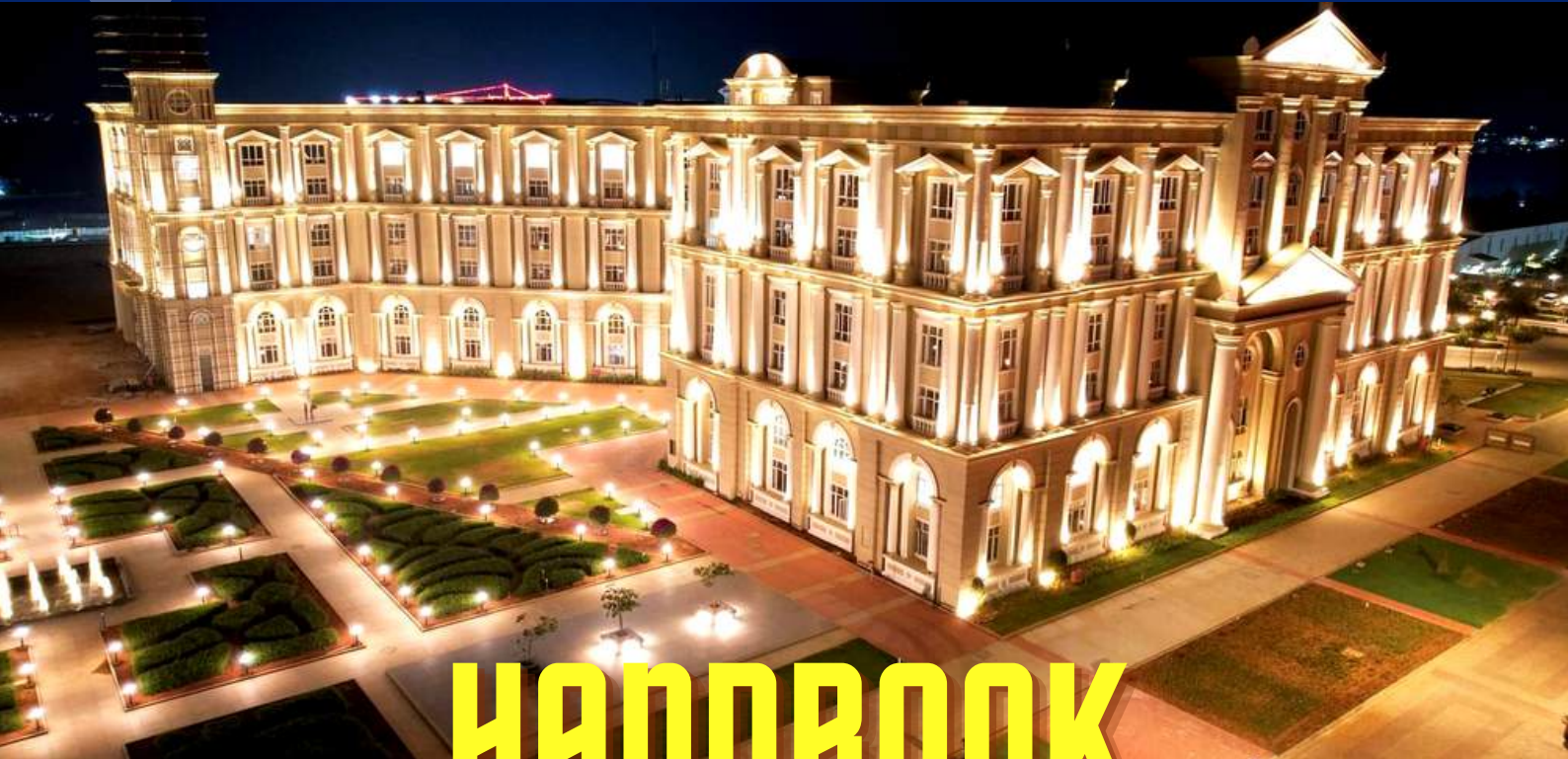




**SCHOOL OF
ENGINEERING**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(DATA SCIENCE)**



HANDBOOK 2023-2024



**DAYANANDA SAGAR
UNIVERSITY**

**Dayananda Sagar University, Devarakagalahalli, Harohalli,
Kanakapura Road, Ramanagara Dt.,
Bengaluru - 562 112**

VISION AND MISSION

DSU

Vision

To be a centre of excellence in education, research & training, innovation & entrepreneurship and to produce citizens with exceptional leadership qualities to serve national and global needs.

Mission

To achieve our objectives in an environment that enhances creativity, innovation and scholarly pursuits while adhering to our vision

VISION AND MISSION

SOE

Vision

To transform life through Excellence and Innovation in Engineering Education and Research with an emphasis on Sustainable, Inclusive Technology and Global needs.

Mission

To Develop School of Engineering at Dayananda Sagar University, as Center of Excellence by imparting Quality Education and Research to generate highly Competent, Skilled and Humane manpower to face emerging Technological, Scientific and Social challenges with Ethics, Integrity, Credibility and Social concern.



VISION AND MISSION

Data
Science

Vision

To produce Engineers for Industry and Society in the field of Computer Science and Engineering (Data Science) by providing Excellence in Education, Research and Entrepreneurship with focus on sustainable solutions to fulfill global needs.

Mission

The Department of Computer Science and Engineering (Data Science) is committed to:

- Impart quality education, critical thinking and sustainable learning practices in the domain of Computer Science and Engineering (Data Science) with ethical values and leadership qualities.
- Inculcate Interdisciplinary Research and Innovation by establishing Industry-Academia collaboration to solve critical problems.
- Prepare graduates to become Ethical Data Science practitioners to contribute in data driven global society.

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

After few years of graduation, the graduates of Computer Science & Engineering (Data Science) will be able to:

- PEO1: Knowledge delivery in terms of analytics and visualization, research, design, product implementation and optimization by using modern tools and techniques of data science to provide absolute resolution in social aspects.
- PEO2: Applying strong mathematical and statistical foundations of Data Science to build powerful knowledge models to generate actionable insights, necessary for making data-driven decisions in multi-disciplinary areas.
- PEO3: Function effectively as competent Data Science Professionals, Entrepreneurs or Researchers in the work place or maintain employment through lifelong learning including professional certifications.

PROGRAMME OUTCOME (PO'S)

- PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

- PSO1. Apply the principles of Data Science including Data Visualization, Data Management and Data Security for building intelligent predictive models for solving real world problems.
- PSO2. Apply Business Analytics, Visualization Tools & Statistical Tools acquired through professional society, certification programs, projects, Internship & Laboratory exercises to solve critical problems.

DEAN'S MESSAGE



Dr. Udaya Kumar Reddy K R
Dean – School of Engineering
Professor, Dept. of CSE
DSU

I am delighted that the Department of Computer Science and Engineering (Data Science) is bringing out the handbook that can provide wonderful insights for students and faculty fraternity.

A lot has been happening in the school of computing sciences over the years, and one of the significant changes involves in this handbook.

Our graduate students are doing amazing things in many different areas in different ways. In the current handbook, you'll meet some remarkable students and faculty who are making a difference in the technical aspects and otherwise. We are hoping to build this endowment with your support, to afford even more opportunities for students to take part in this important component of their graduate education.

I hope this handbook provides the reader a wonderful insights and I thank the editorial team for their wonderful effort in bringing out this handbook. Wish you all the best.

CHAIRPERSON'S MESSAGE



Dr. Shaila S G
Professor & Chairperson
Department of CSE
(Data Science) SOE, DSU

Welcome to the Department of Computer Science & Engineering (Data Science), School of Engineering at Dayananda Sagar University!

It gives me immense pleasure and pride to introduce the Dept. of Computer Science & Engineering (Data Science). This Program is designed to meet the requirements of various job roles in Data Science (Data Scientist, Data Analyst, Data Manager, etc.). The program aims to bridge the Industry gaps in terms of Research and Development using cutting edge technologies.

Faculty members in the program are experts and are carrying out active research in various domains of Data Science. Our program looks forward to contributing technologically in solving the real world challenges in association with the students.

Thank you for visiting us!

ABOUT THE DEPARTMENT

B.Tech CSE (Data Science) is a 4-year undergraduate degree programme. Data Science teaches the students how to combine Machine Learning techniques, algorithms, tools, business acumen and mathematics and apply on raw data to extract insight information from it. In short, technology algorithm development and data inference are blended together to solve complex problems analytically in Data Science.

Throughout the entire duration of the programme, the students are taught how to amalgamate business knowledge, tools and statistics to generate business value in creative ways.

The four-year undergraduate curriculum includes a detailed delivery of Basic Sciences, Mathematical Foundations, Statistical Foundations, Artificial Intelligence, Machine Learning, Data Science, Deep Learning, and Data Visualization.

The curriculum imparts 21st century skills having the following components: Liberal education aspects for all round development, courses that trigger new age skills, project based learning, special topics (hands-on sessions on multiple topics with mentoring from expert), option for MOOC, UG Research Project/Product Development/Internships.

The curriculum focuses on Liberal Art Courses, Foundation Courses, Professional Courses, and Electives that helps them build expertise in some specialized areas. Curriculum developed also emphasis on Design oriented thinking, Communication, Collaboration and Creativity right from 1st year.

A degree in Computer Science (Data Science) can lead to the following job roles in a variety of industries such as Retail, Finance, E-commerce, Healthcare, IT services:

- Data Scientist
- Data Analyst
- Business Analyst
- Data Engineer
- Senior Data Engineer
- Senior Data Analyst
- Data Director

FACULTY LIST

NAME OF THE FACULTY	DESIGNATION
Dr. Shaila S G	Chairperson and Professor
Dr. Kakoli Bora	Associate Professor
Prof. Shivamma D	Assistant Professor
Prof. Monish L	Assistant Professor
Prof. Sindhu A	Assistant Professor
Prof. Vaishali Bagewadikar	Assistant Professor
Prof. Shahwar Ara Kamal S	Assistant Professor
Prof. Manjula M	Assistant Professor

SUPPORTING STAFF

NAME	DESIGNATION
Divya R	Teaching Assistant/Lab Instructor
Praveen R S	Office Assistant

STUDENT
INTAKE
DETAILS



Academic Year	Intake	Admission Statistics
2020-2024	60	48
2021-2025	60	56
2022-2026	60	60
2023-2027	120	140+



CURRICULUM STRUCTURE

Year 1

Gain foundational understanding of mathematical concepts, scientific principles, and fundamental principles and Statistical Foundations of Data science.

Year 2

Explore the intricacies of the Data Science discipline through a well-rounded curriculum that includes a balanced mix of core courses

Year 3

Students have the option to select from a diverse range of elective focus areas, allowing them to delve deeper and gain specialized expertise in their chosen field

Year 4

Apply and showcase your skills through real-world professional internships and a culminating dissertation project

TEACHING & LEARNING PROCESS

UNIQUE PEDAGOGY

- Teaching Pedagogy
- Project Based Teaching and learning
- Training on current Trending Tools
- Incorporated LMS

ASSESSMENT METHODS

- Problem solving assignments
- Seminar
- Reflection Notes on Industry Visits/Workshop/Webinar
- Computer Based QUIZ
- Open Book Test
- Case Studies
- Tech-Talks
- Codethon's/Hackathons/Ideathons

EMPOWERING ACTIVITIES

For SLOW LEARNERS -

- Faculty Mentors
- Remedial classes
- Assignments
- Improvement tests

For ADVANCED LEARNERS -

- Academic competitions
- Research Projects
- Conferences
- Workshops

For ALL STUDENTS -

- Internship in Industry
- Summer research internships

REMEDIAL CLASSES FOR - 4TH SEM



PROJECT EXPO - 4TH AND 8TH SEMESTER



EVENTS

NAME OF THE EVENT	CAPTURED IMAGES
One week Faculty Development Program “Data Analytics and Machine Intelligence for Cyber Security Threats and Challenges” 25th July to 31st July, 2023	 Bengaluru, Karnataka, India Sagar IT Park, 5 T Rd, Kudlu Gate, Srinivasa Nagar, Hal Layout, Singasandra, Bengaluru, Karnataka 560066, India Lat 12.887624° Long 77.642252° 25/07/23 09:55 AM GMT +05:30
Workshop on “Ink and Insight: An Art of crafting Research Papers and Thesis” 18th August, 2023 Resource Person: Dr. Kakoli Bora, Associate Professor	 Bengaluru, Karnataka, India Chennarayana Sagar University Kudlu Gate, Srikovasa Nagar, Hal Layout, Singasandra, Bengaluru, Karnataka 560066, India Lat 12.88764° Long 77.642265° 18/08/23 11:59 AM GMT +05:30
“Student NAAC Connect: Bridging Awareness” 18th August, 2023 Resource Person: Prof. Monish L , Assistant Professor, Dept. of CSE (Data Science).	 Bengaluru, Karnataka, India VJVV Nagar, 5 T Rd, Kudlu Gate, Srinivasa Nagar, Hal Layout, Singasandra, Bengaluru, Karnataka 560066, India Lat 12.888195° Long 77.643123° 18/08/23 09:36 AM GMT +05:30
“Onam Celebration” 26th August, 2023	 Bengaluru, Karnataka, India 4A, Kudlu Gate, Srinivasa Nagar, AXXIS Layout, Singasandra, Bengaluru, Karnataka 560066, India Lat 12.887907° Long 77.643056° 26/08/23 02:11 PM GMT +05:30
Workshop on “Ink and Insight: An Art of crafting Research Papers and Thesis” 04th September, 2023 Resource Person: Dr. Kakoli Bora, Associate Professor	 Bengaluru, Karnataka, India Y.S.V+2B.V, Srinivasa Nagar, Hal Layout, Singasandra, Bengaluru, Karnataka 560066, India Lat 12.887699° Long 77.643262° 04/09/23 10:31 AM GMT +05:30

EVENTS

NAME OF THE EVENT	CAPTURED IMAGES
"Student NAAC Connect: Bridging Awareness" 04th September, 2023 Resource Person: In House Faculties	
Doodle Art Competition "DoodleART: DSU live the dream" 15th September, 2023	
"Data Science Futures: Elevate your Career in Placements " 08th September, 2023 Resource Person: Vijay Kumar Placement Director SoE, DSU	
"SYNERGIZING DATA SCIENCE: COLLABORATIVE APPROACHES FOR COMPLEX PROBLEMS" 22nd September, 2023 Resource Person: Mr. Arun Kumar, Founder & CEO, Nikki.Build Mr. Amruth Raj, Founder, Nikki.Build	

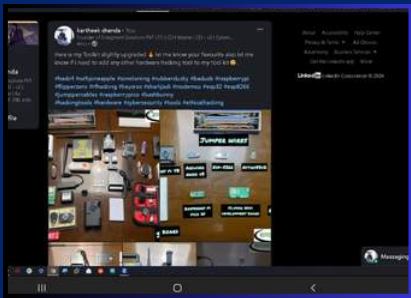
EVENTS

NAME OF THE EVENT	CAPTURED IMAGES
"PRE-PLACEMENT TRAINING - CIL TRAINING" 06th October, 2023	 Bengaluru, KA, India Srigowdara, Bengaluru, 560068, KA, India Lat 12.887355, Long 77.641661 10/06/2023 02:38 PM GMT+05:30 Note: Captured by GPS Map Camera
"CODE-A-THON : C SHAPING THE FUTURE THROUGH INNOVATION" 5th and 6th October, 2023 Resource Person: In House Students	 Ramanagara, Karnataka, India MC6X+6RJ, Kanakapura Rd, Karnataka 562112, India Lat 12.661371° Long 77.45056° 06/10/23 12:29 PM GMT +05:30
"ABHYUDAYA" CREATIVITY, TALENT, AND SKILLS OF THE YOUTH 26th October, 2023	 Ramanagara, Karnataka, India MC6X+6RJ, Kanakapura Rd, Karnataka 562112, India Lat 12.661397° Long 77.450617° 26/10/23 03:20 PM GMT +05:30
DIYA ILLUMINARE: "DESIGNING LIGHT AND BEAUTY" DESIGNING LIGHT AND BEAUTY 3rd November, 2023	 Ramanagara, Karnataka, India MC6X+6RJ, Kanakapura Rd, Karnataka 562112, India Lat 12.661421° Long 77.450682° 03/11/23 09:29 PM GMT +05:30

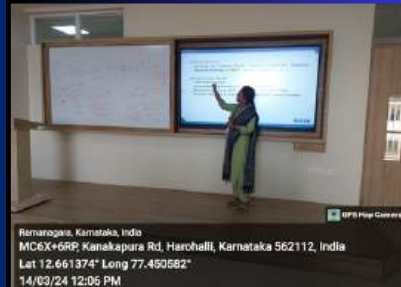
EVENTS

NAME OF THE EVENT	CAPTURED IMAGES
“UNIFYING DATA SCIENCE: COOPERATIVE STRATEGIES FOR TACKLING COMPLEX PROBLEMS” 6TH NOVEMBER, 2023 Resource Person: Mr. Amruth Raj and Mr. Arun Kumar, Founder & CEO of Nikki.Build, Bangalore	 Ramanagara, Karnataka, India MC6X+6RJ, Kanakapura Rd, Karnataka 562112, India Lat 12.661356° Long 77.450565° 06/11/23 11:28 AM GMT +05:30
WORKSHOP ON “DATA ANALYTICS AND ARTIFICIAL INTELLIGENCE APPLICATIONS USING MATLAB- SIMULINK” November 2nd to December 28th, 2023 Resource Person: Mr. Rakshith and Avinash, Mathworks	 Kanakapura, Karnataka, India MC6X+6RJ, Kanakapura Rd, Kanakapura, Karnataka 562112, India Lat 12.662202° Long 77.450565° 02/11/23 11:09 AM GMT +05:30
“ORIENTATION PROGRAM AND TECHNICAL CONTENT WRITING” 5th February, 2024 Resource Person: In House Students	
“ORIENTATION PROGRAM AND PROFESSIONAL SOCIETY AWARENESS” 26th February, 2024 Resource Person: In House Students	

EVENTS

NAME OF THE EVENT	CAPTURED IMAGES
"ACCELERATING SUCCESS" 16th February, 2024 & 23rd February, 2024 Resource Person: In House Students	 Bengaluru, Karnataka, India VJQW+760, S 1 St, Kalya Datta, Shivnagar, Hal Layout, Bengaluru, Karnataka 560045, India Lat 12.888074° Long 77.584207° 01/03/24 11:59 AM GMT +05:30
QUIZ ON "QUIZ-VENTURE ENHANCE YOUR SKILLS WITH C" 1st March, 2024	 Bengaluru, Karnataka, India MC6X+6R9 Kanakapura Rd, Harohalli, Karnataka 562112, India Lat 12.661374° Long 77.450582° 01/03/24 12:06 PM
SHORT TERM TRAINING "JAVA CODING SKILL TEST" 1st March, 2024	 Bengaluru, Karnataka, India 28, Kalya Datta, Shivnagar, Hal Layout, Bengaluru, Karnataka 560045, India Lat 12.888074° Long 77.584207° 01/03/24 11:52 AM GMT +05:30
WEBINAR ON "CYBER STRATEGIES FOR CUTTING- EDGE DATA SCIENCE" 6th March, 2024 Resource Person: Kartheek CEH Master CEI - v2 Cybersecurity Trainer Ex Cybersecurity RA	
QUIZ ON "APTIPRECISION: FINE-TUNING NUMERICAL ABILITIES" 7th March, 2024	 Bengaluru, Karnataka, India MC6X+6R9 Kanakapura Rd, Harohalli, Karnataka 562112, India Lat 12.661374° Long 77.450582°

EVENTS

NAME OF THE EVENT	CAPTURED IMAGES
WEBINAR ON "EXPLORING PATHS IN DATA SCIENCE CAREERS" 9th March, 2024 Resource Person: Ajay Bharaj, Data Science Specialist Mckinsey and Company	
WOMEN'S DAY CELEBRATION "EMPOWER HER CELEBRATION: HONORING WOMEN" 11th March, 2024	
TECH TALK ON "DATASPHERE: IEEE DATA SCIENCE EXPLORATION" 14th March, 2024 Resource Person: Dr. Pushpa Mala S, Associate Professor, Dept. of EC & E, SOE, DSU	
"CODE-A-BIT '24: GET YOUR GEEK ON" 21st - 22nd March, 2024 Chief Guest: Mr. Vinod Shankar, CEO of AIC-DSU	
INDUSTRY VISIT "MOX ISRO ISTRAC" 27th MARCH, 2024	

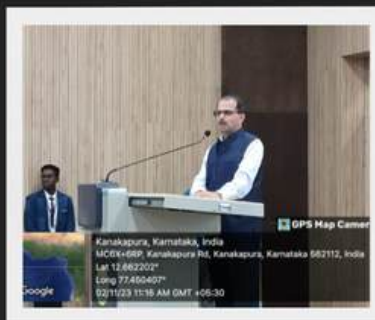
EVENTS

NAME OF THE EVENT	CAPTURED IMAGES
AWARENESS PROGRAM “AWARENESS TALK ON THALASSEMIA” 17th April, 2024 Speaker: Mr. Rakesh Dhanya BV, CEO-SANKALP INDIA FOUNDATION	
PRE-PLACEMENT TRAINING “WORKING IN TEAMS AND INTERPERSONAL SKILLS” 25th April, 2024 Resource Person: Mr. Arun Ramachandran, Soft skill Trainer, CIL, DSI	
“PLACEMENT TRAINING SESSION MODULE ON RESUME WRITING / GROUP DISCUSSION / MOCK INTERVIEWS/ GROOMING FOR INTERVIEWS” 6th May 2024 Resource Person: Karthik C, Soft Skill Trainer, CIL DSI	
“MIND SPARK 2024” PROJECT EXPO ON IOT 20th May 2024	
“TECHNICAL WRITING IN MULTILINGUAL CONTEXTS” 24th May 2024 Resource Person: Dr. Shaila SG, Professor & Chairperson CSE (DS), SoE, DSU.	

EVENTS

NAME OF THE EVENT	CAPTURED IMAGES
“PROJECT PULSE 2024” PROJECT EXPO 27th May 2024	
“BOARD OF STUDIES MEETING” 7th June, 2024	
ONE DAY - WORKSHOP ON “BEGINNER'S GUIDE TO MACHINE LEARNING AND NEURAL NETWORKS” 8th June, 2024	

GLIMPSES OF THE EVENT



COLLABORATION / MOU'S

- ALTAIR UNIVERSITY



COURSES ENROLLED BY THE STUDENTS: 4

- Data Engineering Master (Rapid Miner Academy)
- Data Engineering Professional (Rapid Miner Academy)
- Applications and Use cases (Rapid Miner Academy)
- Data Analytics using knowledge Studio (Altair University)

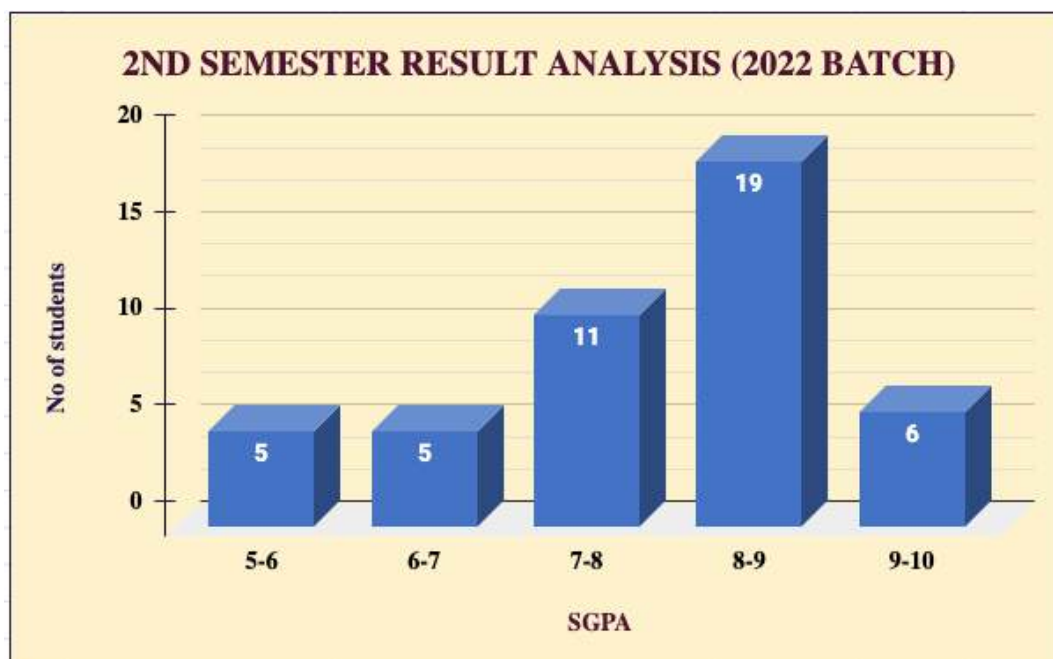
SEMESTER	COURSE NAME	PLATFORM	NO OF STUDENTS AWARDED
4th Semester & 6th Semester	Data Engineering Professional Course and Certification	RapidMiner Studio [Altair University]	80+
6th Semester	Data Engineering Master Course and Certification	RapidMiner Studio [Altair University]	57
6th Semester	Data Science Applications and Use Cases Professional Course and Certification	RapidMiner Studio [Altair University]	57
6th Semester	Data Modelling with Knowledge studio	Altair University	57

RESULT ANALYSIS

2ND SEMESTER TOPPERS (2022 BATCH)

SL NO	USN NO	NAME	SGPA
1	ENG22DS0039	NITIN PRAJWAL	9.52
2	ENG22DS0040	PAVAN KUMAR G	9.43
3	ENG22DS0010	R SINDHU	9.29
4	ENG22DS0017	SANJANA T	9.24
5	ENG22DS0024	VIRIKA OLIVIA SOANS	9.14
6	ENG22DS0015	SAHANA S M	9.1
7	ENG22DS0029	HIT KARAN SINGH RATHORI	8.95
8	ENG22DS0049	ARIAN KOVACS	8.95
9	ENG22DS0019	SUJEETH KUMAR D S	8.86
10	ENG22DS0023	VINITH K M	8.86

2ND SEMESTER RESULT ANALYSIS (2022 BATCH)

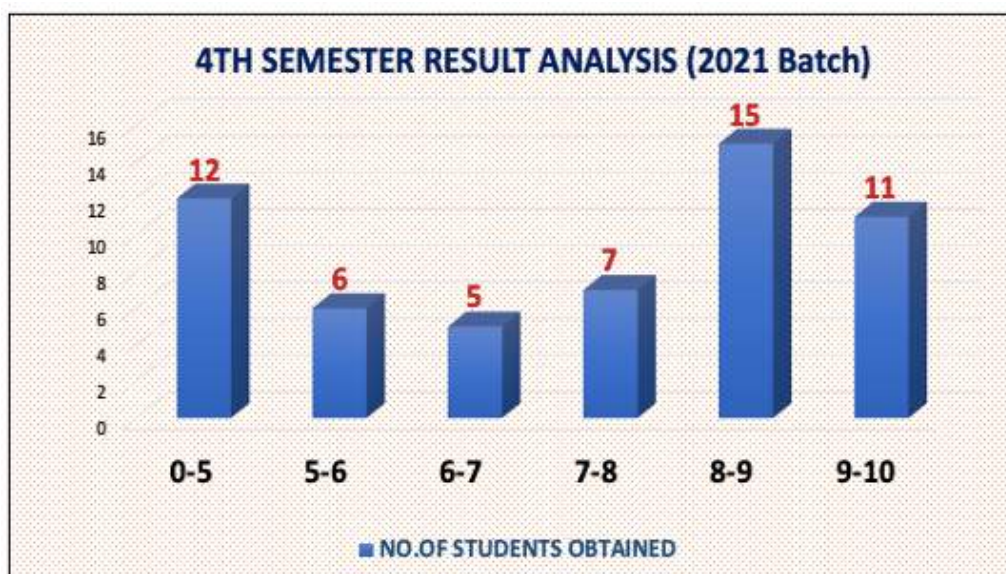


RESULT ANALYSIS

4TH SEMESTER TOPPERS (2021 BATCH)

USN	NAME	SGPA
ENG21DS0002	ABHISHEK.A	9.88
ENG21DS0003	ABHISHEK.N	9.72
ENH21DS0013	CHAITRASHREE.P	9.44
ENG21DS0035	SAMMANA BHAVANI PRASAD	9.44
ENG21DS0046	V.NIVAS REDDY	9.44
ENG21DS0020	GOLLA PUJARI SOWMYA	9.4
ENG21DS0006	AKSHAYA.B	9.32
ENG21DS0044	THILAK.R	9.28
ENG21DS0039	SHUBHAM KUMAR	9.2
ENG21DS0045	USHASHREE.N	9.16

4TH SEMESTER RESULT ANALYSIS (2021 BATCH)

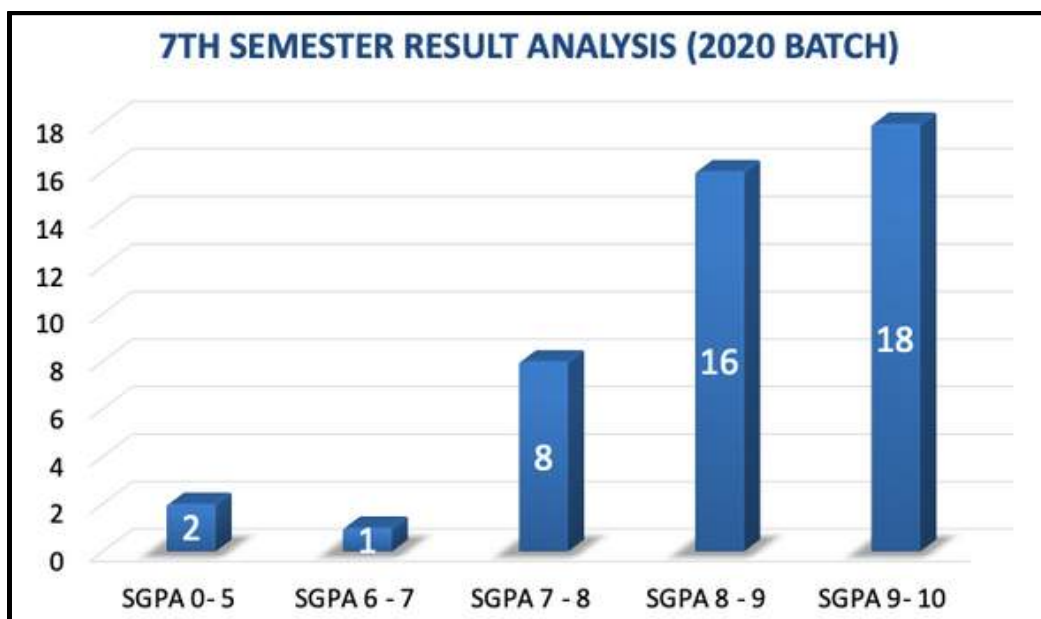


RESULT ANALYSIS

7TH SEMESTER TOPPERS (2020 BATCH)

SL NO	NAME	SGPA
1	VEDANTH V BALIGA	10
2	YASHNA KARKERA	10
3	ABHIRUCHI SANJAYKUMAR BHARAMBE	9.75
4	MANJU SWAROOP V	9.75
5	VANAVEE PALANI	9.75
6	M MADAN	9.5
7	NANDINI HAZARIKA	9.5
8	GAGANA MALLESCHACHARI	9.25
9	K SAI PRADEEPTHI	9.25
10	KUSHAL B S	9.25
11	PRANAV S S	9.25
12	VAIDEHI A	9.25

7TH SEMESTER RESULT ANALYSIS (2020 BATCH)

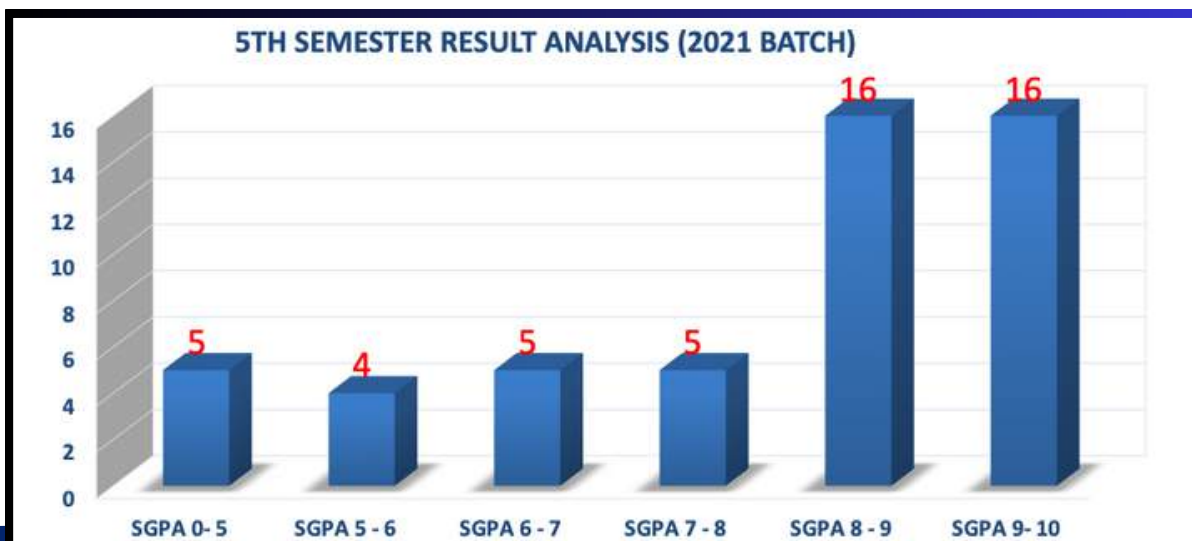


RESULT ANALYSIS

5TH SEMESTER TOPPERS (2021 BATCH)

SL NO	USN	NAME	SGPA
1	ENG21DS0002	ABHISHEK A	10.00
2	ENG21DS0003	ABHISHEK N	10.00
3	ENG21DS0006	AKSHAYA B	10.00
4	ENG21DS0046	V NIVAS REDDY	9.88
5	ENG21DS0035	SAMMANA BHAVANI PRASAD	9.76
6	ENG21DS0044	THILAK R	9.72
7	ENG21DS0014	CHAITHRA K	9.68
8	ENG21DS0013	CHAITHRA SHREE P	9.56
9	ENG21DS0020	GOLLA PUJARI SOWMYA	9.56
10	ENG21DS0045	USHASHREE N	9.36
11	ENG21DS0039	SHUBHAM KUMAR	9.32
12	ENG21DS0033	RANJITH KUMAR M	9.28
13	ENG21DS0047	VINUTH GOWDA S	9.28
14	ENG21DS0026	PRANJAL MEWARA	9.24
15	ENG21DS0021	MANOJ V BHANDARE	9.16

5TH SEMESTER RESULT ANALYSIS (2021 BATCH)

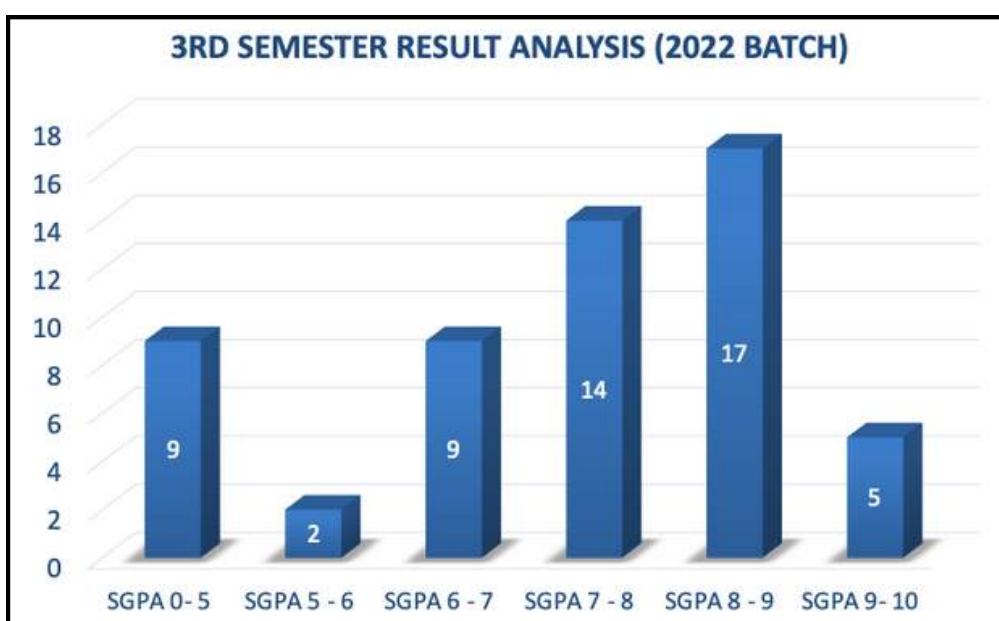


RESULT ANALYSIS

3RD SEMESTER TOPPERS (2022 BATCH)

SL NO	USN	NAME	SGPA
1	ENG22DS0010	R SINDHU	9.48
2	ENG22DS0039	NITIN PRAJWAL R	9.33
3	ENG22DS0024	VIRIKA OLIVIA SOANS	9.29
4	ENG22DS0017	SANJANA T	9.1
5	ENG22DS0032	KOVARTHANA K	9
6	ENG22DS0019	SUJEETH KUMAR D S	8.95
7	ENG22DS0042	SHERLYN ROSE	8.95
8	ENG22DS0040	PAVAN KUMAR G	8.81
9	ENG22DS0029	HIT KARAN SINGH RATHORE	8.76
10	ENG22DS0015	SAHANA S M	8.62
11	ENG22DS0018	SRI SAI NITHIN P	8.62
12	ENG22DS0022	VENKAT NIVAS REDDY K	8.62
13	ENG22DS0049	ARIAN KOVACS	8.38
14	ENG22DS0023	VINITH K M	8.29
15	ENG22DS0003	HARSHITA JEETENDRA BHUTE	8.24

3RD SEMESTER RESULT ANALYSIS (2022 BATCH)

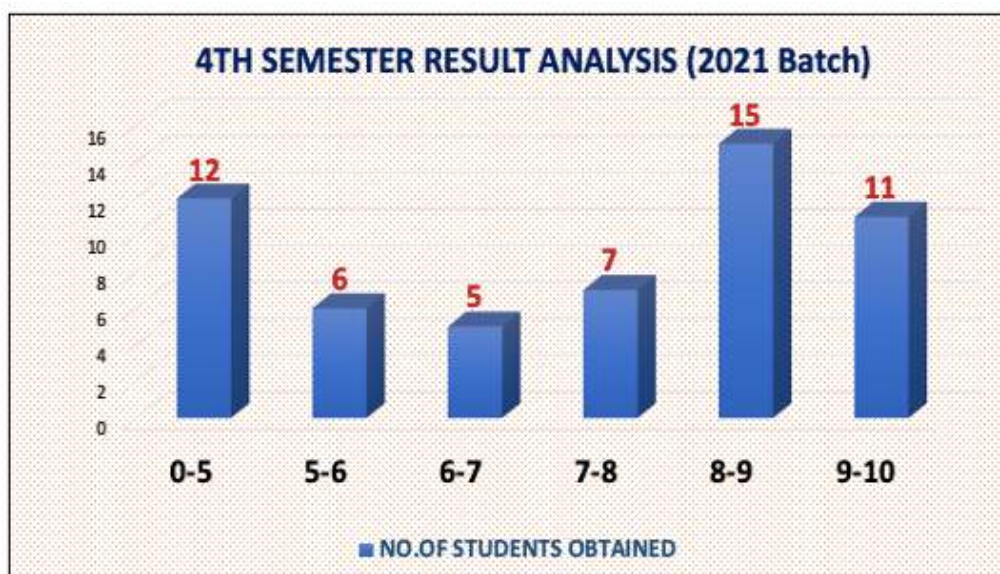


RESULT ANALYSIS

4TH SEMESTER TOPPERS (2021 BATCH)

USN	NAME	SGPA
ENG21DS0002	ABHISHEK.A	9.88
ENG21DS0003	ABHISHEK.N	9.72
ENH21DS0013	CHAITRASHREE.P	9.44
ENG21DS0035	SAMMANA BHAVANI PRASAD	9.44
ENG21DS0046	V.NIVAS REDDY	9.44
ENG21DS0020	GOLLA PUJARI SOWMYA	9.4
ENG21DS0006	AKSHAYA.B	9.32
ENG21DS0044	THILAK.R	9.28
ENG21DS0039	SHUBHAM KUMAR	9.2
ENG21DS0045	USHASHREE.N	9.16

4TH SEMESTER RESULT ANALYSIS (2021 BATCH)



FACULTY ACHIEVEMENTS



NAME OF THE FACULTY	FDP	SESSION REVIEWER	CERTIFICATION	PROJECT FUND/HAC KATHONS/ TECH TALK
DR. SHAILA S G	01	NIL	NIL	03
DR. KAKOLI BORA	NIL	NIL	NIL	01
PROF. SHIVAMMA D	03	02	04	01
PROF. MONISH L	01	NIL	01	02
PROF. SHAHWAR ARA KAMAL S	NIL	NIL	NIL	01
PROF. VAISHALI B	01	NIL	NIL	01

STUDENT ACHIEVEMENTS



Vinuraj Vamshi, Rudra Narayan Chetty and R D Lohith, selected has a Local Award winner for **“Best use of Technology”** for **NASA Space Apps Challenge 2023** in the International Hackathon organized by NASA under the guidance of **Prof. Shivamma D** during 7th and 8th October, 2023.

- **Lohith R D, Pranav S, Manju Swaroop and Sukrutha G** selected has a **“Global Nominee”** for **“NASA Space Apps Challenge 2023”** in the International Hackathon organized by NASA under the guidance of **Prof. Shivamma D** during 7th and 8th October, 2023.
- **Sheetal P, Nandhini S and Srinivas K** selected has a **“Global Nominee”** for **“NASA Space Apps Challenge 2023”** in the International Hackathon organized by NASA under the guidance of **Prof. Shivamma D** during 7th and 8th October, 2023.
- **Abhishek N, Golla Pujari Sowmya and Abhishek A** selected has a **“Galactic Problem Solver”** for **“NASA Space Apps Challenge 2023”** in the International Hackathon organized by NASA under the guidance of **Dr. Shaila S G and Prof. Shivamma D** during 7th and 8th October, 2023.

STUDENT ACHIEVEMENTS

- **Venkat Nivas Reddy K, Job jomy, Vinuraj Vamshi and Arian Kovacs** 3rd Semester have won the 1st place in the “Abhyudaya”- Creativity, Talent, and Skills of the Youth, Debate Competition organised by the Department of Computer Science and Engineering (Data Science) on 26th October, 2023
- **Venkat Nivas Reddy K**, 3rd Semester have won the 1st place in the “Abhyudaya”- Creativity, Talent, and Skills of the Youth, Singing (Solo) Competition organised by the Department of Computer Science and Engineering (Data Science) on 26th October, 2023
- **R. D. Lohith, Shivamma. D, Manju Swaroop V, Sukrutha S Rao and Sukrutha G**, "Rat Swarm Optimization and Machine Learning Algorithms for Accurate Leukemia Diagnosis via Gene Expression Analysis," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-5, doi: 10.1109/ICCCNT56998.2023.10307762.
- **Dhanusha R, Hritikka N and Akhil Reddy V (7th Semester)** have completed the CAD certification organised by ServiceNow



- Pavan Kumar G, Sanjana T, Sujeeth Kumar D S, 4th Semester, Dept. of CSE (DS) attended the FOSSMeet '24 at NIT Calicut held on March 23-24, 2024

- Janardhan K S, 4th Semester has completed the Course on Python for Data Science organised by Infosys Springboard on 27th April, 2024.



- Nitin Prajwal R (ENG22DS0039, 4th Sem) secured 2nd place at the DSU CODE RED Hackathon organized by ACM DSU on 22/05/2024. He won a cash prize of ₹2000

- Mohamed Faizan Khan, 4th Semester participated online event on "How to Become a Data Analyst at Amazon" organized by WsCUBE TECH on June 16th, 2024.



STUDENT ACHIEVEMENTS (PLACEMENTS)

B TECH 2020-2024 BATCH

USN	FULL NAME	COMPANY	PACKAGE
ENG20DS0040	SUKRUTHA G	StoneX	8.25
ENG20DS0044	VEDANTH V BALIGA	StoneX	8.25
ENG20DS0009	ATUL UPPIN	EdgeVerve	8
ENG20DS0021	B S KUSHAL	EdgeVerve	8
ENG20DS0032	R D LOHITH	EdgeVerve	8
ENG20DS0030	PRANAV S S	Versa Networks	8
ENG20DS0035	RISHANK GAUTAM	Emplay Inc	8
ENG20DS0048	YASHNA KARKERA	UD Trucks	7.5
ENG20DS0018	KATALA GANTI SAI PRADEEPTHI	Sony India Software	7.5
ENG20DS0007	G S ANJANA PRIYA	Inmovidu	7
ENG20DS0023	MANJU SWAROOP V	Inmovidu	7
ENG20DS0037	SANJAY M	Inmovidu	7
ENG20DS0016	GAGANA MALLESACHARI	Aptean	6.5
ENG20DS0019	KEERTHANA HEBBAR R	EY India	6.37
ENG20DS0022	M MADAN	EY India	6.37
ENG20DS0023	MANJU SWAROOP V	EY India	6.37
ENG20DS0049	NABIL IRSHAD	IQVAI	6
ENG20DS0013	CHANDAN M POONACHA	Labcorp	6
ENG20DS0015	DHANUSHA R	Labcorp	6
ENG20DS0031	PREETIKA RAY	Labcorp	6
ENG20DS0034	RAHUL SRIKANTH	EY GDS	4.83
ENG20DS0017	HRITIKKA N	IBM	4.5
ENG20DS0015	DHANUSHA R	Publicis Sapient	4.48
ENG20DS0012	BALA VENKATA VARUN VARMA KANUMURI	Capgemini	4.25
ENG20DS0035	RISHANK GAUTAM	MY3DMETA	4
ENG20DS0001	THIRU KRITHIKA A	EdgeVerve	3.6
ENG20DS0042	VAIDEHI A	EdgeVerve	3.6
ENG20DS0025	NADELLA MOKSHITHA	Tata Elxsi	3.5
ENG20DS0031	PREETIKA RAY	Tata Elxsi	3.5
ENG20DS0033	R R DEVAPRASAD	Tata Elxsi	3.5
ENG20DS0011	AYUSH BARANWAL	Maveric Systems	3.5
ENG20DS0039	SUDHARSHAN G K	CAI	3

FAREWELL

B TECH 2020-2024 BATCH



RESEARCH PUBLICATIONS - JOURNALS

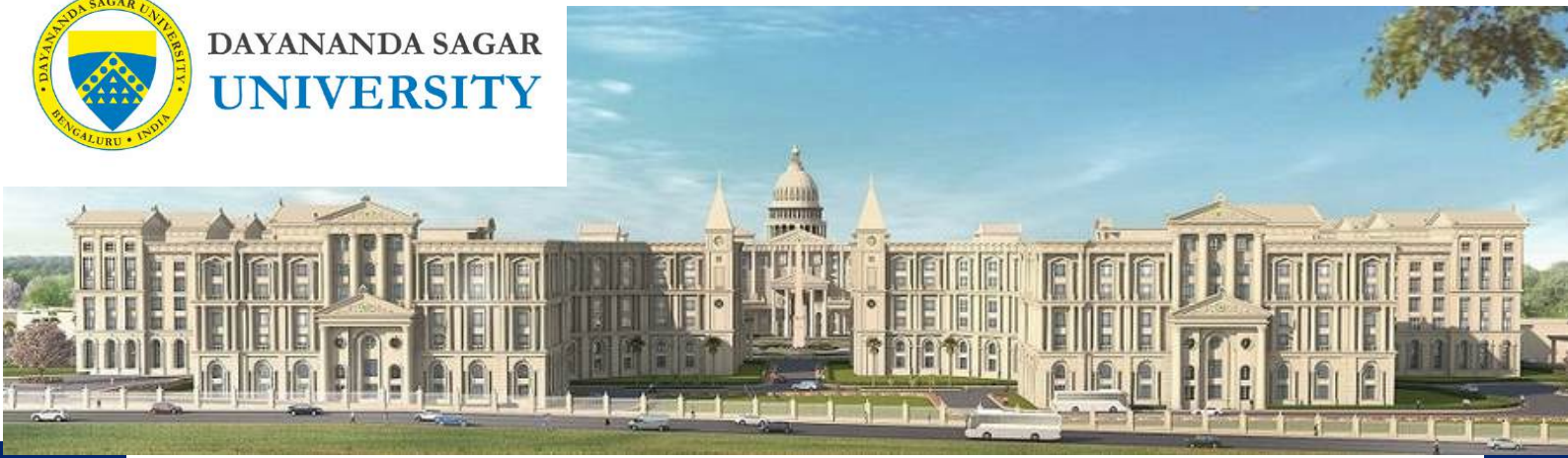
1. VR Gurudas, SG Shaila, A Vadivel - "Morphological and Textural Data Fusion for Breast Cancer Classification Based on Inter and Intra group Variances." International Journal of Intelligent Engineering & Systems 17 (3) on 2024/5/1.
2. Shaila, S., Vadivel, A. & Avani, S. Emotion estimation from nose feature using pyramid structure. Multimed Tools Appl 82, 42569–42591 (2023). <https://doi.org/10.1007/s11042-023-14682-w>
3. Shaila, S., Vadivel, A. & Avani, S. Emotion estimation from nose feature using pyramid structure. Multimed Tools Appl 82, 42569–42591 (2023). <https://doi.org/10.1007/s11042-023-14682-w>

CONFERENCE PAPERS

1. Shaila Sg, Siddharth Sargunraj, Sumana Sg, Monish L and Rajesh Tm (Accepted) - "Video Analytics based Action Recognition using 3D and R(2+1)D Convolutional Neural Networks" in International Conference on Advances in Computational Intelligence (ICACI-2023), Springer.
2. Monish L, Shaila Sg, Monika Us and Sumana Sg (Accepted) - "Emotion Recognition based on the Fusion of EEG-ECG Data using Ensemble Algorithms" in International Conference on Advances in Computational Intelligence (ICACI-2023), Springer.
3. Gurudas Vr, Shaila Sg, Joycelita Dias, Monish L and Sumana Sg (Accepted) - "Multi-Region Breast Cancer Detection: Leveraging Deep Learning for Texture and Shape Feature Analysis" in International Conference on Advances in Computational Intelligence (ICACI-2023), Springer.
4. R. D. Lohith, Shivamma. D, Manju Swaroop V, Sukrutha S Rao and Sukrutha G, "Rat Swarm Optimization and Machine Learning Algorithms for Accurate Leukemia Diagnosis via Gene Expression Analysis," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-5, doi: 10.1109/ICCCNT56998.2023.10307762.
5. SG, Sumana and Yerva, Manjula and S G, Shaila and K, Srinivas and S, Vinuth Gowda "Complex Facial Expression Analysis and Recognition using Deep Networks," 2024 International Conference on Inventive Computation Technologies (ICICT), Lalitpur, Nepal, 2024, pp. 563-567, doi: 10.1109/ICICT60155.2024.10545002
6. M Manjula, Kakoli Bora, SG Shaila, Skanda N Raj, R Thilak, Akanksha Kanchireddy "Enhancing Data Privacy through a Secure Data Hiding Approach Integrated with Lossless Compression," 2024 International Conference on Inventive Computation Technologies (ICICT), Lalitpur, Nepal, 2024, pp. 1465-1470, doi: 10.1109/ICICT60155.2024.10544914



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