



IS&E NEWS LETTER

Canara Engineering College

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CHIEF EDITOR

Mr. Ramesh Nayak Associate Professor IS&E Department

HOD

Dr. Jagadisha N Professor & HOD IS&E Department www.canaraengineering.com | Ph: 8792727001 / 8792736001

The Information Science and Engineering Department focuses on all-round development & encourages a vibrant interest in academic as well as in extra curricular activities. The Department has fully equipped laboratories and well qualified and experienced staff. The Department regularly arranges seminars, workshops from Industry Experts for students as well as for staff and also organizes industry visits for students. The Department offers add-on courses to cope up with the latest trends in technology. The track record of result is excellent.

PROGRAM VISION

• The Department of Information Science and Engineering strives to be a centre of learning in the field of Information Technology to produce globally competent engineers catering to the needs of the industry and society.

PROGRAM MISSION

- * Impart technical skills in the field of Information Science & Engineering.
- * Train and transform students to become technological thinkers and facilitate a quality venture which meets the industrial and societal needs.
- * Encourage students to become well-rounded in their professional competencies.



PROGRAM EDUCATIONAL OBJECTIVE

Engineering graduates in Information Science and Engineering will be able to:

- 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.
- 10. 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.
- 11. 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 multi disciplinary environments.
- 12. 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 EDUCATIONAL OBJECTIVES

- 1. Graduates will succeed in the field of Information Science and Engineering, professional career and higher studies.
- 2. Graduates will analyze the requirements of the software industries and provide novel engineering designs and efficient solutions with legal and ethical responsibility.
- 3. Graduates will adapt to emerging technologies, work in multi-disciplinary teams with effective communication skills and leadership qualities.

PROGRAM SPECIFIC OUTCOMES:

- 1. An ability to understand, analyze and impart the basic knowledge of Information Science and Engineering.
- 2. An ability to apply the programming, designing, and problem solving techniques in building/simulating the applications, solving the problems and guiding the innovative career paths to become an IT Engineer.

HOD MESSAGE

I am happy to note that the **Department of Information Science and Engineering** is releasing its Newsletter for Academic Year. 2022-23 enumerating the various activities and achievements of our faculty and students. The department endeavors to produce confident professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them.

Dr. Jagadisha N Professor & HOD



CHIEF EDITOR'S MESSAGE

It gives me immense pleasure that I was given the opportunity to work on current edition (Volume 10 Issue 1) of the **Department of Information Science and Engineering** Newsletter. As we all know, a newsletter mirrors a department -its vision and mission. It also highlights events, activities and academic progress and achievements. In this edition, I have tried to capture even semester excitement and activities. I do hope that the newsletter encourages many more, including students, to use it as a platform to express their creativity. I sincerely hope that this edition makes for an interesting read.



Mr. Ramesh Nayak

Associate Professor

Student Members









TOP PLACEMENT



CLASS TOPPERS





Summary of Technical Training

First technical training was conducted on "Programming Using Java" from 22/8/2022 to 27/8/2022

by Mr. Adhiraju Raja, Corporate Trainer, QSpiders Campus Connect, Bengaluru.

Second training is conducted on "Web Technology" by Ms. Chitanya V, OSpiders Campus Connect

Bengaluru, from 29/8/2022 to 8/9/2022.

Third training was conducted on "Employability Skill Enhancement Training" for 7th sem IS&E students from 9th September 2022 to 15th September 2022 (06 days) by Mr. Sandeep Burman and Mr. Ezekiel QSpiders Campus connect Banglore.

The purpose of the training was to enhance the employability skills of the students and to make them industry ready. The training focused on topics such as communication skills, problem solving,

decision-making, time management, leadership skills, team building and other soft skills. The training was conducted in a very interactive manner with activities like group discussions, roleplays, case studies and presentations. The trainers also provided feedback to the students on their performance during the training sessions. At the end of the training, all the participants were awarded certificates for their successful completion of the program.

Overall, it was a great learning experience for all the students and they gained valuable knowledge,

which will help them in their future career prospects.



Employability Skill Enhancement Training

Programming Using Java



Web Technology

Placement Report

Department of Information Science and Engineering would like to congratulate all the students for getting placed in various companies for the year 2022-23. Department has achieved 55% of placements for the year 2022-23 with 30 placed out of 55 students and placements are still in progress. Following are details of students placed in top companies with CTC above 5 LPA.

COMPANY	STUDENT NAME	USN	CTC in LPA
CAPILLARY TECHNOLOGIES	KEDAR C PAI	4CB19IS024	17
MAPTELL GEOSYSTEMS PVT. LTD	ROHAN NAYAK K	4CB19IS047	8
CONSLEAGUE CONSULTING LTD	NISHMITHA P	4CB19IS033	6
MAPLE LABS SOLUTIONS PVT LTD	SUDHIR HEGDE	4CB19IS053	6
SASKEN TECHNOLOGIES LTD	DARSHAN PARAMESHWAR HEGDE	4CB19IS015	
	NEHA S	4CB19IS032	5
	PRATHAM	4CB19IS042	
	SATHWIK A M SURAJ RAO	4CB19IS049 4CB19IS056	
	VEENAXI PAINGINKAR	4CB19IS059	

Technical paper presentation TECH PRESENTIA-22

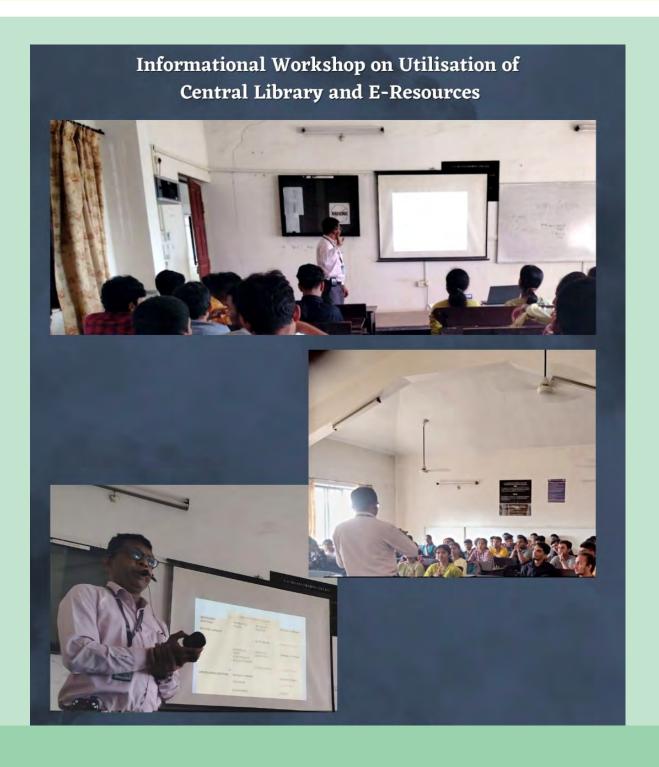
A state level technical paper presentation TECH PRESENTIA-22 "was organized by department of CSE and ISE, in association with CSI Professional Society, on 14-05-2022 at Canara Engineering College, Bantwal. 60 students from various colleges presented their work. The paper Identification and Classification of Paddy Seeds using Support Vector Machine (SVM) was judged as the best paper. Dr. Ankitha K, Associate Professor, Department of CSE, Mr. Nischay Kumar Hegde, Assistant Professor, Department of CSE, Mr. Ranganatha K, Assistant Professor, Department of ISE, Mrs. Shilpa B, Assistant Professor, Department of ISE and Mrs. Sadhana B, Assistant Professor, Department of ISE were the judges for the event. TECH PRESENTIA 22 was Chaired by Dr. Demian Antony Dmello, Dean Academics and Dr. Jagadisha N, Head, Department of ISE. The Event was Co-ordinated by Mr. Kishor Shivathaya, Assistant Professor, Department of CSE and Mrs. Sadhana B, Assistant Professor, Department of ISE.



State level Technical Paper Presentation

Informational talk on Utilization facilities and E-Resources of Central library:

Department of Central Library and Information center CEC, conducted a session on "Utilization facilities and E-Resources of Central Library on 2-12-2022 for 2nd year students of IS&E branch. Faculty member Mr. Vasanth Nayak, spoke about purpose and utilization of various E- Resources facilities available at Central Library. He explained about the various journals, plagiarism tools available in the library and how student can make use of these in their project preparation, paper publication etc.



SELF LEARNING

1. SPOKEN TUTORIAL -TEST on Python

The spoken tutorial online test on python was organized by the Department of IS&E in association with the Spoken Tutorial Project, IIT Bombay on Dec 12, 2022 from 9:00 AM to 9:50 AM. A total of 61 students, 3rd year ISE students have taken the test and out of which 52 students obtained the certificate.





Spoken tutorial test-Python

2. SPOKEN TUTORIAL -TEST on C

The spoken tutorial online test on C was organized by the department of ISE in association with the Spoken Tutorial Project, IIT Bombay on Jan 7, 2023 from 9:00 AM to 9:50 AM. A total of 61, 2nd year ISE students have taken the test and out of which 42 students obtained the certificate.





Spoken tutorial test -C

ISE FINAL YEAR STUDENT PAPER PUBLICATION

USN	NAME	TITLE OF THE PAPER	NAME OF THE CONFERENCE / JOURNAL	ISBN
4CB19IS016	GAGAN SALIAN	Stock Price Movement Prediction Using Machine Learning International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 2, December 2022		ISSN (Online) 2581-9429
4CB19IS038	PRAJWAL			
4CB19IS039	PRAVEEN			
4CB19IS042	PRATHAM			
4CB19IS033	NISHMITHA. P	Carsinos Detection Using Deep Learning in Feminine Gonads International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 359		
4CB19IS037	POOJA			ISSN: 2395
4CB19IS028	MALAVIKA A P			5252
4CB19IS029	MEGHA	Tellillille Gollads	363 www.ijaem.net	
4CB19IS027	MAHENDRA SHETTI	Review of the	International Journal of	
4CB19IS002	ADITHYA NAYAK	literature on deep learning Advances in Engineering and		ISSN: 2395
4CB19IS022	KARTHIK NAYAK	methodologies for	Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 680	5252
4CB19IS054	SUJITH SHRIDHAR NAIK	Alzheimer's disease identification	684 www.ijaem.net	
4CB19IS024	KEDAR C PAI	T	International Journal of	ISSN: 2395 5252
4CB19IS047	ROHAN NAYAK K	University Results Extraction and	Advances in Engineering and Management (IJAEM) Volume 1, Issue 1, pp: 0405 www.ijaem.net	
4CB19IS057	SURYANARAYAN BHAT	Analysis Tool using Batch Processing		
4CB19IS051	SINDHU S BADAL		www.njaenn.net	
4CB19IS019	JEEVAN LINGARAJ NAIK	A survey on heart	International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 733	ISSN: 2395 5252
4CB19IS005	ANKITH PRABHU	disease prediction		
4CB19IS052	SOHAN S.	and detection Using ML Approach		
4CB19IS040	PRADEEP B	**	737 www.ijaem.net	
4CB19IS023	KAVITA SATISH KAMATH	A Review on Deep Learning for Plant	International Journal of Advances in Engineering and	ISSN: 2395 5252
4CB19IS007	ARPITA SHETTY	Disease Prediction	Management (IJAEM)	
4CB19IS035	P D MEDHINI	and Fertilizer Volume 4, Issue 12 Dec. 2		3232
4CB19IS043	PRATHIKSHA V P	Recommendation	pp: 439-443www.ijaem.net	
4CB19IS025	KRISHNAMURTHY PAI	Product Reviews International Journal of Advances in Engineering and		ISSN: 2395
4CB19IS053	SUDHIR HEGDE K	Using Machine	Management (IJAEM)	
4CB19IS031	NAKUL SHET	Learning	Volume 4, Issue 12 Dec. 2022, pp: 829-833 www.ijaem.net	5252
4CB19IS012	CHAITANYA KINI		pp. 627633 www.ijaciii.net	
4CB19IS032	NEHA S		International Journal of	ISSN: 2395 5252
4CB19IS004	ANANYA U	Fake Currency Detection Using	Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 637	
4CB19IS045	PRERANA B	Machine Learning		
4CB19IS009	ASHWINI P H		641 www.ijaem.net	
4CB19IS055	SUPRIYA.S	A Review on Deep	International Journal of	ISSN: 2395 5252
4CB19IS030	MOKSHA.H.S	Learning for Plant	Advances in Engineering and	
4CB19IS010	BHOOMIKA B NAYAK	Disease Prediction and Fertilizer	Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 439	
4CB19IS048	SHRADHA	Recommendation	443www.ijaem.net	

IS&E FINAL YEAR STUDENT PAPER PUBLICATION

4CB19IS060	VINOLIYA SHARLINE PINTO	Identification of	International Journal of Advances	
4CB19IS059	VEENAXI PAINGINKAR	Ayurveda Herbs Using Machine	in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec.	ISSN: 2395- 5252
4CB19IS011	BINDU	Learning	2022, pp: 518523 www.ijaem.net	
4CB19IS021	JYOTHISHRI			
4CB19IS044	PRATHVIK RAIKAR	A Survey of Smart Control of Traffic	International Journal of Advanced Research in Science, Communication and Technology	ISSN (Online) 2581-9429
4CB19IS044	HARSHA PATEL	Light System using		
4CB19IS034	OMPREETH D R	Artificial Intelligence	(IJARSCT) Volume 2, Issue 2, December 2022	
4CB19IS015	DARSHAN PARAMESHWAR HEGDE	Voice Based Email	International Journabf Advances in Engineering and Management (IJAEM) Volume 4, Issue 12 Dec. 2022, pp: 557561 www.ijaem.net	ISSN: 2395
4CB19IS050	SHRIVATHSA	with Face Authentication		
4CB19IS013	CHETHAN KRISHNA S	Aumentication		
4CB19IS014	CHINMAYA S			
4CB19IS026	LIKHITH KUMAR U M		International Journal of Advanced Research in Science, Communication and Technology	
4CB19IS058	SUSHANTH D U	Brain Tumor Detection using		ISSN (Online) 2581-9429
4CB19IS020	JITHESH	Machine Learning	(IJARSCT) Volume 2, Issue 2,	
4CB19IS056	SURAJ RAO		December 2022	
4CB19IS049	SATHWIK A M	A Survey on	International Journal of Advanced Research in Science,	
4CB19IS018	HEMANTH BHAT	Identification of		ISSN (Online) 2581-9429
4CB19IS006	ANUSH KAMATH	Deepfake Videos using Artificial	Communication and Technology (IJARSCT) Volume 2, Issue 2,	
4CB19IS001	ABHISHEK B K	Intelligence	December 2022	

Alumni Committee Report

1) Alumni interaction with third year students:

Ms. Sambrama B R (2020 batch student, placed in SAP as "Full Stack Developer) focused on topics such as Python and Java programming languages, DBMS, aptitude and technical round preparation, and the importance of these skills in the industry. She gave guidance and tips on how to prepare for aptitude and technical round interviews. Through her interaction, she was able to provide the students with valuable insights into the industry, which will help them in future job searches.

2) Alumni interaction with second year students:

Mr. Mohitraj B J graduated in the year of 2020 from ISE department with job offer of SAP Lab INDIA. He is currently working as Full stack developer in SAP Lab. Mr. Mohitraj addressed the second-year ISE.

In response to the student's query about course certification, Mr. Mohitraj B J advised that certifications are important in the industry and it will help the students to showcase their skills in the particular domain. He also mentioned that certifications can help to demonstrate the knowledge and skills learnt in the course to the prospective employers. He said that certification may not be necessary for every job but it will give an edge to the students while competing with others. Additionally, he mentioned that he had been able to secure his job offer with a 5.0 GPA, however, he recommended that the students should make sure they are well-prepared for the aptitude and technical rounds of the interview. He also suggested that the students should take up online courses and do some online research in order to be well-versed with the technical knowledge and aptitude required for the job. He also suggested that the students should keep themselves updated with the industry trends and work on their soft skills in order to stand out from the crowd.

3) Alumni interaction with second year students:

Mr. Anish Krishna graduated in the year of 2020 from ISE department. He is currently working as system engineer in an Infosys, Mysore. He addressed the final year ISE students.

Mr. Anish Krishna emphasized that Python and SQL are the two key programming languages for technical interviews. He advised the students to focus on mastering these two languages as much as possible in order to increase their chances of getting placed in a good company. He also outlined the importance of being prepared for the technical interview process and having good communication skills. He encouraged the students to put in the effort to practice and hone their skills so that they can make the most of their job opportunities.



Ms. Sambrama B R, interacting with 5th sem students.



Mr. Mohitraj B J addressing second year ISE students.

Cultural Committee Report

Department Cultural Committee organized "Branch Entry Program" for second year students on 17th November 2022 at 3:00pm in AC Seminar Hall.

The program begins with the formal function. Ms. Kavitha Kamath (4th Year Student) welcomed all the juniors and dignitaries on and off the Dias. Mr. Mahesh and team started the program by prayer song. Ms. Medhini (4th Year Student) described about the department, faculty, facility, training and placement given brief insight on overall growth of the student.

The program began with a formal function, with Ms. Kavitha Kamath, a 4th-year student, welcoming all the juniors and the dignitaries. Mr. Mahesh and his team then started the program with a prayer song. Ms. Medhini, gave a brief insight into the department and its facilities, training, and placement.

Dr. Jagadisha N (HOD) addressed the students regarding department level information. Mr. Ramesh Nayak (Associate Professor) addressed the students regarding final year student's achievement, and placement statistics. Final year student Ms. Sindhu Badal sign off the program with vote of thanks. The overall program MC is done by Mr. Sudheer Hegde. The overall program was coordinated by Mr. Ranganatha K Cultural Coordinator. Program comes to an end at 4:30pm.









Professional Society

1. Workshop on IOT and Its Applications

The Workshop on IOT and Its Applications was organised by the Department of ISE in association with the CSI chapter on 04/07/2022. The session covered an introduction to IoT, including demonstrations and hands-on experience of some IOT applications. A total of 39 students participated in the workshop.



Workshop on IoT

2. Webinar session on "Research Article: Write Ups, Best Practices, and Essential Tools"

The webinar session on "Research Article: Write Ups, Best Practices, and Essential Tools" was organized by the Department of Information Science and Engineering. The resource person covered basic ideas about how to write research articles, what are the best practices to prepare quality papers, usage of Scopus citations for the published papers, how to identify the best journals for submission, and how to avoid rejections. The overall session was very informative and a total of 21 faculty from different branches participated in this webinar and benefited.



Webinar Session

3. Project exhibition - 2022

Project exhibition - 2022 event was organized by Dept of ISE under CSI chapter. The project Expo was judged by Mr. Ramesh Nayak and Mr. Ranganath Kulkarni. Total number of contestants who had participated is 20. Project titled "GPS based vulnerable child tracking system" won best project award.



Project Exhibition - 2022

4. Workshop on "Technical Paper Preparation"

Professional Society committee of Information Science and Engineering Branch conducted workshop on "Technical Paper Preparation" from 30-11-2022 to 1-12-2022. IS&E Faculty members Mr. Ramesh Nayak and Mrs. Sadhana B conducted the workshop for seventh semester students. Mr. Ramesh Nayak, spoke about Goals, Purpose, Characteristics, Steps of Literature review, planning, etc. He also demonstrated the drafting of the "Literature Review paper" to students. Mrs. Sadhana explained about plagiarism and demonstrated journal templates. Students prepared their project literature review. Shortly, these papers will be published in journals/conferences. Sevent semester 55 students were benefited from the workshop. Dr. Jagadisha N. Professor & HOD, IS&E coordinated the event.



Workshop on Technical Paper Preparation

Sports

Ms. Anjana (4CB20IS009) and **Ms. Deekshitha Shetty** (4CB20IS021) 3rd year ISE (sitting first-left side & standing - third from left), participated in VTU Level Mangalore Zone Inter Collegiate Kabaddi Tournament, held on 28th and 29th November 2022 at Government College Kushalnagara.





Ms. Anjana and Ms. Deekshitha Shetty, both 3rd year ISE students have won the 1st runner up prize in Girls Kabaddi Team at the UG Inter Collegiate Tournament held at Manel Srinivas Nayak Institute of Management, Bondel, Mangalore, on 20th January 2023. Ms. Anjana was sitting third from right to left, and Ms. Deekshitha Shetty was standing first from right. Both of them played with a lot of passion and determination and emerged victorious, making their college proud.

Industry Institute Partnership Activity

A Hands-on workshop series 1, 2 and 3 on "Understanding Analytics and Role of ML using Micro services" is held on 22.8.2022, 26.9.2022 and 15.12.2022 in CEC campus by Unicourt India (Mangalore InfoTech Pvt. Ltd). More than 60 students have participated in the event and some students were shortlisted for placements, based on performance during workshop.





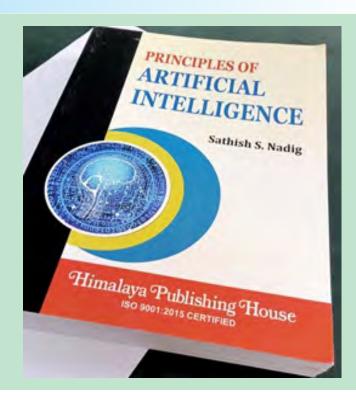
Unicort Workshop held on 26.9.2022

Unicort Workshop held on 15.12.2022

Faculty Achievement

Mr. Sathish S Nadig, Assistant Professor authored a book "**Principles of Artificial Intelligence**". This book has been published by Himalaya Publishing House Mumbai. The book is designed for the curriculum requirements of 5th Semester AIML Engineering branch of Visvesvaraya Technological University and Bombay University.





Mr.Vasanth Nayak Assistant Professor Department of Information Science and Engineering has completed 12 week faculty development program course in "Programming in Java" offered by IIT Kharagpur with Elite-Gold Badge and secured place in top 5%.





Faculty served as Reviewer for International Journals

SI No	Faculty Name	Photo	Review Month & Year	Journal / Conference	No of papers reviewed
1	Dr. Jagadisha N		Sept 2022	International Journal	1
2	Ramesh Nayak		Sept, Oct, Nov, Dec 2022	International Journal	12

Journal Names: International Journal of Technology, Multimedia Tools and Applications (Springer), Expert Systems(Wiley), Neural Computing and Applications(Springer), Future Generation Computer Systems(ScienceDirect), etc.