

# News Letter

Digital University Kerala

Kerala University of Digital Sciences, Innovation and Technology

DUK/NL/28/VOL4

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- DUK CTCTF I.O - Capture the Flag (CTF) Challenge
- DUK Annual Sports Day 2022



# One day Orientation Programme on AICTE Technical book Translation

All India Council for Technical education[AICTE] in collaboration with Digital University Kerala [DUK] conducted a one day orientation programme on AICTE Technical book Translation on 15th September 2022 at Digital University Technocity campus. Professor Achyuth Sankar S Nair, Head of Department of BioInformatics, University of Kerala inaugurated the event. Dr. Anil Kumar Srivastava, Director, Faculty Development Cell, AICTE , Dr Saji Gopinath, Vice Chancellor , DUK and Professor Rajiv Kumar, Honorable Member Secretary, AICTE , New Delhi addressed the audience. Dr Malu G of Digital University delivered the vote of thanks. 36 Participants from various colleges attended the programme.

Dr Elizabeth Sherly, Coordinator of the event gave an overview on AICTE technical Book Writing translation to the audience. Technical session on Translation Process & Methods -AICTE Books Translation was handled by Dr Amit Kumar Srivastava, Director, Faculty Development Cell, AICTE , New Delhi. A translation tool UDAAN was introduced to the participants. The programme concluded with a Question and Answer session for the participants.

Orientation programme was conducted as part of inviting teachers for translation and review of technical books of UG (Engineering)/Diploma courses from English to Malayalam. Translators will be paid an amount of Rs 1 lakh per book and reviewers will be paid Rs. 20,000 per book directly by AICTE. The time frame for translation of the original book in English to Malayalam is 60 days. For reviewers, the time frame of the work is 20 days.



Participants of the one-day Orientation Program for  
Technical Book Translation on 15th September 2022 with  
Hon. Vice Chancellor, Digital University Kerala



# Women Entrepreneurs inspired and empowered in herStory Conclave

An exclusive event for women Entrepreneurship was conducted by Digital University Kerala on October 29, 2022 under the scheme of Women Incubation Start-ups and Entrepreneurship (WISE). The conclave named “herStory” attracted many budding women entrepreneurs and students, paving an opportunity for women to network with successful entrepreneurs, investors and leaders in various tech sectors.

Mrs. Pankajam Sridevi, Managing Director, Common Wealth Bank of Australia in India in her inaugural speech, highlighted that entrepreneurship brings a lot of creativity and Innovation than other jobs. She pointed out that transformations in the digital era like Online food delivery, online taxi etc. have emerged because of the entrepreneurial spirit. She encouraged budding entrepreneurs to follow their dreams but they have to satisfy the requirements of the customer. Her motivational speech inspired and empowered the participants. Speaking at the event, Digital University Honorable Vice Chancellor Dr. Saji Gopinath pointed out that Kerala women have the highest percentage in education but when it comes to startups, the percentage is extremely low. The universities produce talented students that generate the development of the economy. Universities like Stanford play an important role in producing the economy and Digital University Kerala focuses on that level. Untapping the huge potential of qualified and enthusiastic women in and all around the country is essential, as our country needs to grow economically 40 to 50 % in the next 5 years and women play an important role in deciding whether to tap or untap their potential.

Ms. Ishita Roy IAS, Principal Secretary to Higher Education and APC, GoK in her Keynote Address emphasized that without an idea, the ideation won't come to fruition but then to live that dream we have to actually sell that to ensure that dream does not remain as a dream. She stressed out the need to build an ecosystem in higher education institutions, where startups and integration can be promoted in a big manner. She added that the financial assistance available to incubate a startup if one has a proper idea which is viable, financially sound, customer friendly and satisfies the client.

Dr. Rathan U Kelkar IAS, Secretary to Dept. of Information and Electronics, GoK in his special address to the participants urged them to believe in themselves and live for themselves.

Dr Rathan motivated the audience to forget about the barriers put by the society and move forward with the confidence that they can do it. Support from Government is promised for the startup idea, which is novel and socially relevant. The various schemes especially for women entrepreneurs was highlighted by Mr. Anoop Ambika, CEO, Kerala Startup Mission, which includes financial assistance of up to 10 lakhs for startup ideas and up to 12 lakhs for product development. In the case of women entrepreneurs, this financial assistance is up to 15 lakhs and KSSUM provides help to develop their ideas to an entrepreneurship. In the welcome speech, the coordinator of WISE and Digital University Professor Dr. Elizabeth Sherly narrated the aim of WISE and the Conclave. She urged that current numbers on women participation paint a stark picture and only 15% of Indian Unicorns have women founders. The aim of the conclave was to attract more women Entrepreneurs on board, thereby scaling up the WISE programme. DUK Research Officer Dr. Malu G wrapped up the inaugural session by delivering the vote of thanks.

Entrepreneurship and Leadership sessions were handled by Mr. James Joseph, Founder and CEO, Jackfruit365 and Dr. Chandra Vandhana, Stanford Univ. and Founder Director of Prayaana Group. Ms. Mini Sukumar, Professor of Calicut University and Kerala Planning board member, Ms. Valeria Naidoo, Owner of Wireless Female Network Global Movement, South Africa and Mr. Gautham Yogeswar, Deputy Director, Dept of Industries, GoK. Mr Gautham informed the audience about different schemes and funds available for setting up a startup in Kerala.

In herStory experience sessions, Ms Deepa Sarojammal [CEO, Reflections, Technopark], Ms. Mary George [CEO, UPM Advertising cochin], Ms. Tina James [CEO, Revyrie Global, Technopark], Ms. Jeena Vaheed [Director-HR & recruitment at Phases], Ms. Harsha Puthussery [Founder Iraahloom, WISE, DUK] shared their experience with the participants, the challenges they faced and their success stories. The event sponsored by K-DISC witnessed participation of 150+ women entrepreneurs and aspirants, and the sessions were organized with more than 10 speakers in a daylong event. All sessions were filled with insights and learning experience for the participants. Prizes were awarded to the winners of 'Catch them Young' Ideathon for women friendly apps conducted as part of the herStory conclave.



# The post-graduate certificate program in Entrepreneurship: Small Business Management. Batch I Inauguration

## Directorate Of Industries & Commerce, Kerala







Delighted to announce that @DUK is inking partnership agreements to strengthen academic & research collaborations: University of Oxford, Universität Siegen, The University of Manchester, The University of Edinburgh

## Exchange of MoU for Academic and Research Partnerships



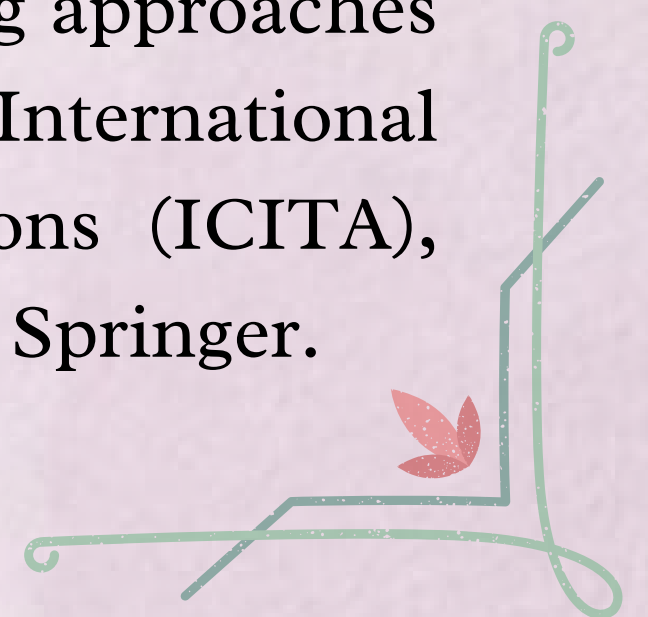
### Key focus areas

- ▶ Artificial Intelligence and Emerging Technologies
- ▶ Digital Science Park
- ▶ Graphene and Materials Translational Research
- ▶ Semiconductors and VLSI

11-10-2022

## Faculty Publications

- Research article on "Identification of Potent ABL Inhibitors from Coumestrol: An Integrative In Silico Approach" K. R. Raghi, D. R. Sherin, T. M. Archana, M. J. Saumya, K. P. Sajasha and T. K. Manojkumar, Journal of Computational Biophysics and Chemistry Vol. 21, No. 08, pp. 967-979 (2022)  
DOI: <https://doi.org/10.1142/S2737416522500429>
- Research article on "Blockchain technology for cybersecurity: A text mining literature analysis", Ravi Prakash, Anoop V. S., Asharaf S. International Journal of Information Management Data Insights, Elsevier, Volume 2, Issue 2, November 2022  
DOI: <https://doi.org/10.1016/j.jjime.2022.100112>
- Romieo John., Anoop V. S., Asharaf S., "Health mention classification from user-generated reviews using machine learning techniques", 16th International Conference on Information Technology and Applications (ICITA), Lisbon, Portugal., Lecture Notes in Network and Systems, Springer
- Sarin Jickson., Anoop V. S., Asharaf S., "Machine learning approaches for detecting signs of depression from social media", 16th International Conference on Information Technology and Applications (ICITA), Lisbon, Portugal., Lecture Notes in Network and Systems, Springer.



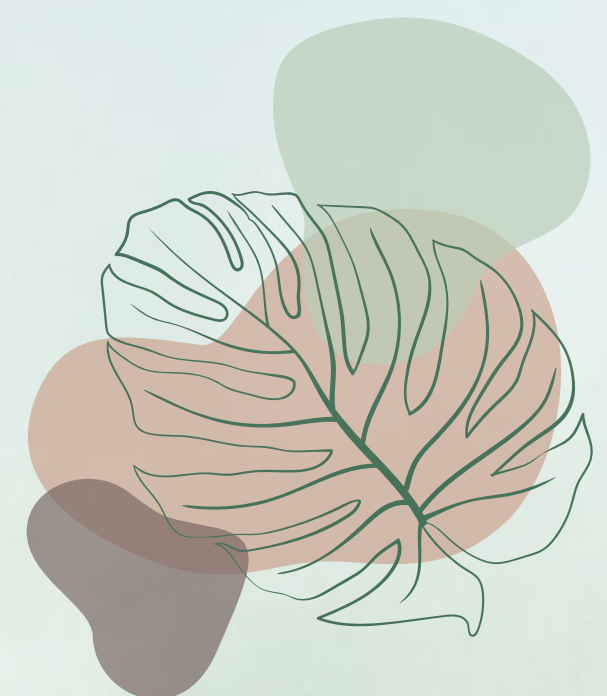
# One-Week Short Course on BE CYBER SMART (A Cyber Security Awareness Program)

Kerala Security Audit and Assurance Center (KSAAC) hosted a one-week short course BE CYBER SMART - A security Awareness Program for the final year computer engineering students of Govt Polytechnic College Pala, Kottayam during October 10-14, 2022 at DUK, Technopark. A total of 59 students actively participated in the short course. The sessions were conducted under CSR activities of the University.

The purpose of the course was to conduct industrial visits for the students and provide necessary knowledge and skills to protect their information assets. Students visited the KSAAC facility at KABANI building and interacted with the team. An online examination was conducted to assess their learning levels. The certificate of participation was awarded to all students who actively participated in all the sessions and completed the assessment process.



# DUK CTCTF I.O - Capture the Flag (CTF) Challenge



# DUK Annual Sports Day 2022

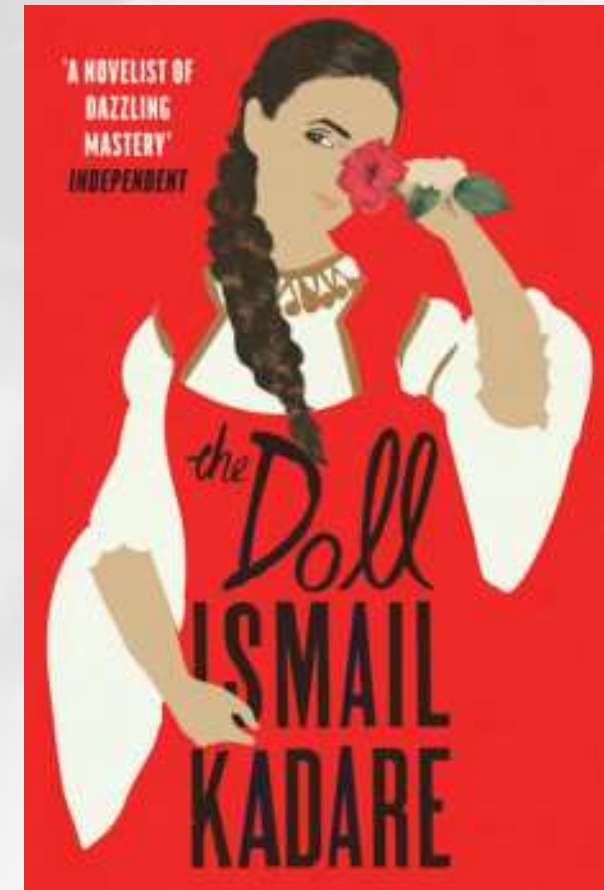


# DUK Annual Sports Day 2022



# Book Review of the Month

## The Doll: A Portrait of My Mother By Ismail Kadare



The Doll is a very sensational memoir by Ismail Kadare, an internationally well-known author from Albanian literature. The story features Kadare's mother, family, and an ancestral stone house which is kind of a prison for the two women who are locked within it and are enemies till the end.

The central character, the author, is narrating the story of his life wherein he refers to his mother, with whom he has a very odd relationship, as "The Doll". The ardour of her youth has been withered by the burden of early marriage. Her mother-in-law always takes control of her and never leaves the stony walls. The house and its hidden passages and prison evoke Albania's medieval past. To her, the house is a nightmare. The doll feels like the house is eating her up.

In short, this book comprises all of Kadare's feelings about both his home and homeland. This also is a testimony of how the intellectual, radical son never forgot his mother. So, if you are looking for a bittersweet read that can instigate your love for home, The Doll is a very good option.



**Fidha Nasneen C M**  
**M.Sc Data Analytics**

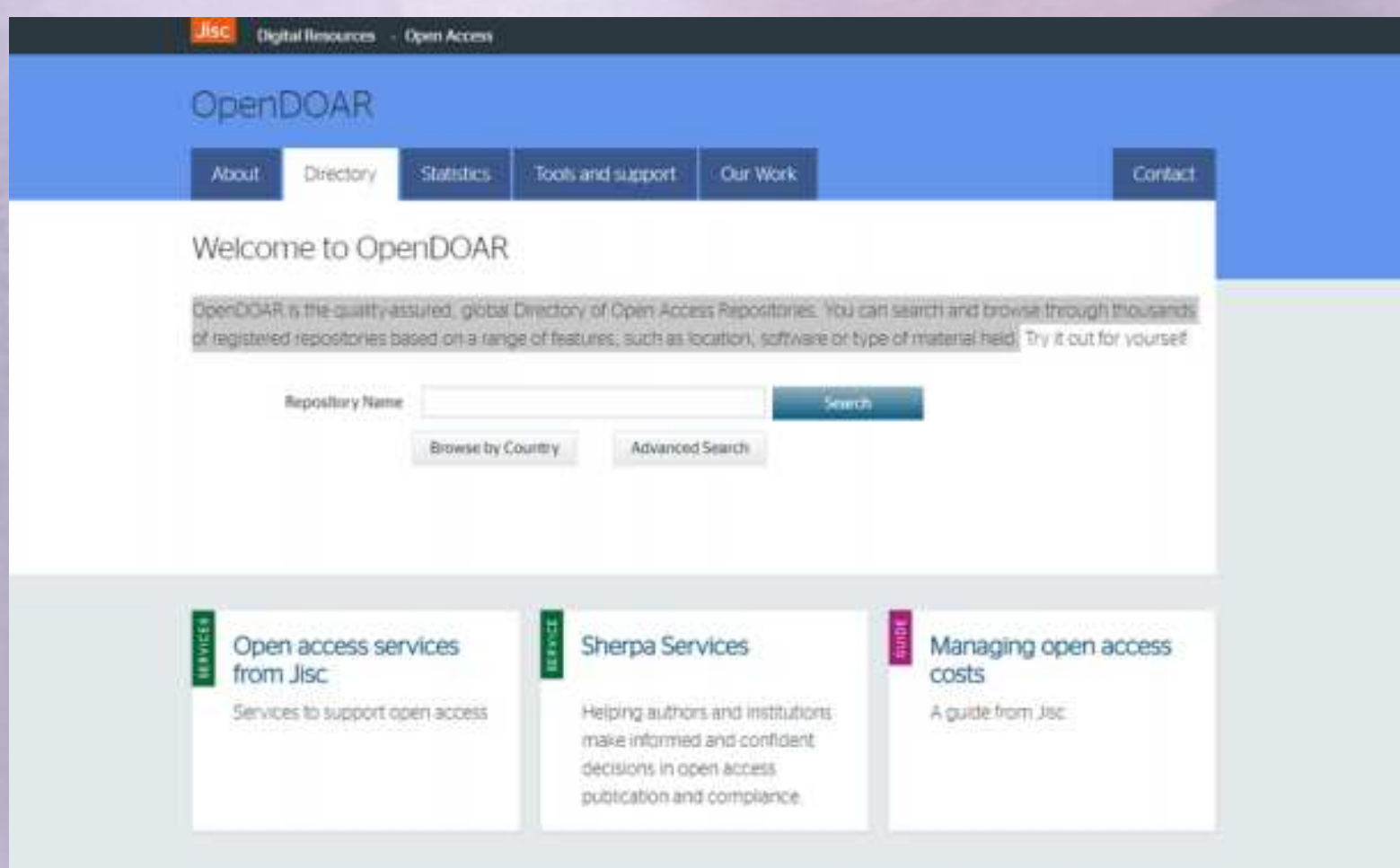
# Knowledge Centre News

## Website of the Month

### OpenDOAR

<https://v2.sherpa.ac.uk/opendoar/>

OpenDOAR is the quality-assured, global Directory of Open Access Repositories. You can search and browse through thousands of registered repositories based on a range of features, such as location, software or type of material held.



## Software of the Month

### Libre Office

<https://www.libreoffice.org/>

LibreOffice is a free and powerful office suite, and a successor to OpenOffice.org (commonly known as OpenOffice). Its clean interface and feature-rich tools help you unleash your creativity and enhance your productivity.

The LibreOffice suite consists of programs for word processing, creating and editing of spreadsheets, slideshows, diagrams and drawings, working with databases, and composing mathematical formulae. It is available in 115 languages



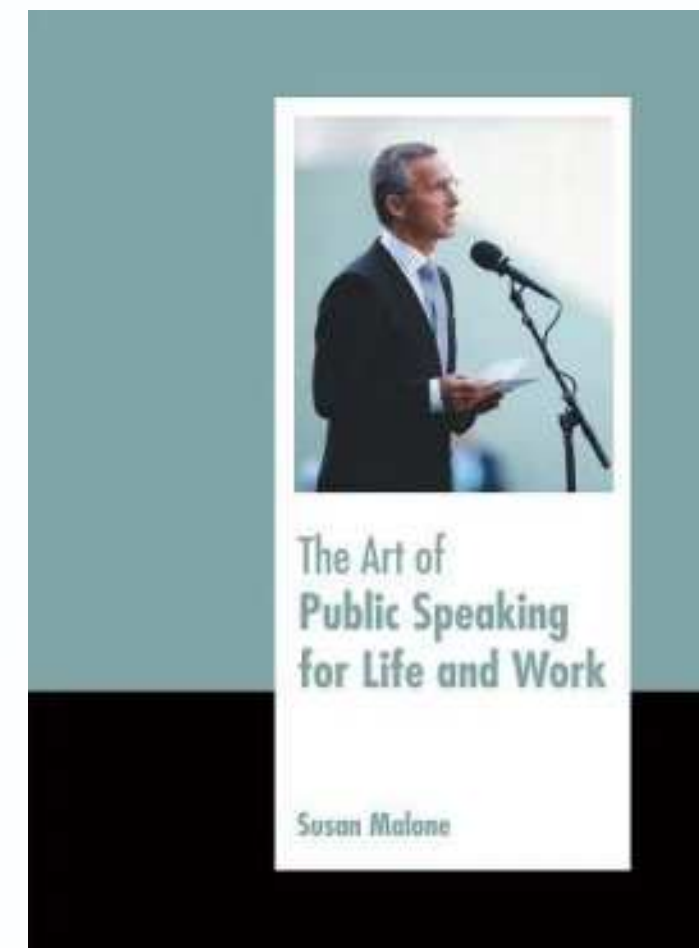


## New Additions to the Collection



### ▶▶ The art of public speaking for life and work

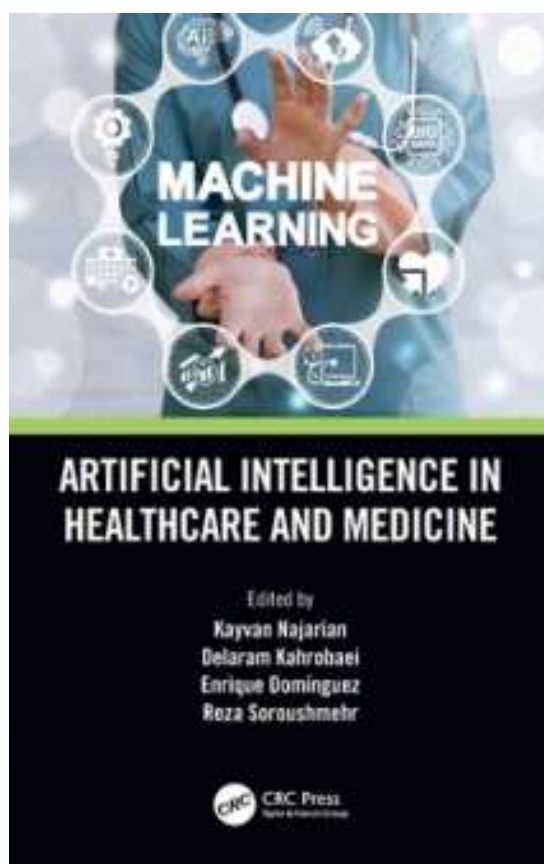
Public speaking is an important skill which can affect an individual's personal as well as professional life. It plays a crucial part in helping other people understand your point of view. Professionally, it is useful in giving presentations and addressing teams from time to time. This book is a step-by-step guide to assist readers in improving their public speaking skills. For someone with an interest and eye for detail, this book covers the most significant topics in the field of public speaking.



Source :Amazon

Malone, Susan (2022). *The art of public speaking for life and work*. Boca Raton, CRC Press.

### ▶▶ Artificial intelligence in healthcare and medicine



This book provides a comprehensive overview of the recent developments in clinical decision support systems, precision health, and data science in medicine. The book targets clinical researchers and computational scientists seeking to understand the recent advances of artificial intelligence (AI) in health and medicine. Since AI and its applications are believed to have the potential to revolutionize healthcare and medicine, there is a clear need to explore and investigate the state-of-the-art advancements in the field.

This book provides a detailed description of the advancements, challenges, and opportunities of using AI in medical and health applications. Over 10 case studies are included in the book that cover topics related to biomedical image processing, machine learning for healthcare, clinical decision support systems, visualization of high dimensional data, data security and privacy, bioinformatics, and biometrics.

Source :Amazon

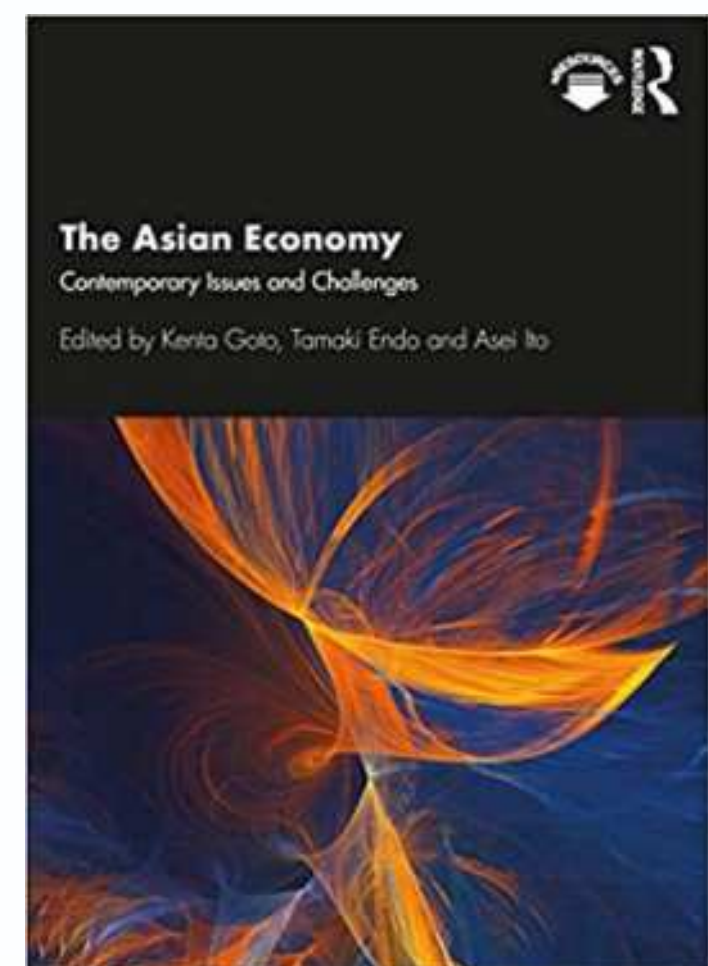
Najarian, Kayvan (Ed.) (2022). *Artificial intelligence in healthcare and medicine*. Boca Raton, CRC Press.

## New Additions to the Collection



### ▶▶ Asian economies: Contemporary issues and challenges

The book is a key reading which provides a comprehensive and systematic overview of the contemporary Asian economy. The book focuses on the structural changes that are rapidly transforming the regional economic landscape in the 21st century. It highlights the concomitant challenges that have arisen, and further discusses prospects and potentialities of Asian economies given this new economic environment. The book also looks at broader social issues that are both the cause and result of these new and complex economic dynamism in Asia.



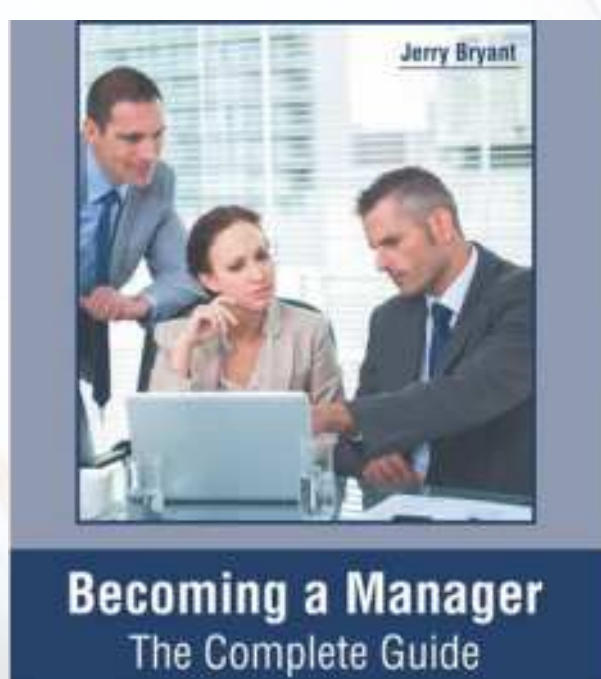
Understanding the Asian economy cannot be achieved without understanding the new interrelationships and complexities that have evolved from this context, which continue to be driven by drastic changes in technological, demographic, and social structures, among others.

Each of the chapters are titled based on "issues" and are framed in present continuous tense, intended to capture and emphasize the progressiveness of this new dynamism that are transforming the region in a fundamental way.

Source :Amazon

Goto, Kenta (Ed.) (2021). *The Asian economies: Contemporary issues and challenges*. New York, Routledge

### ▶▶ Becoming a manager: The complete guide



A manager is someone who is in-charge of the day-to-day decision making process and work activities of an organization. Coordination among different activities and work processes while achieving set goals and making a profit are the main responsibilities of the manager. Additionally, a manager performs several duties ranging from hiring and staffing, employee training, controlling expenses, making evaluations and setting time-based goals, etc. For someone with an interest and eye for detail, this book covers the most significant topics in the field of management.

Source :Amazon

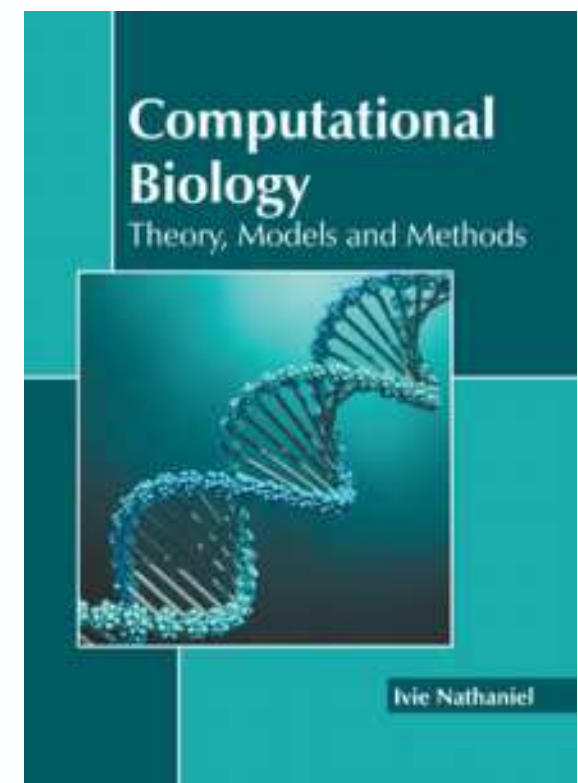
Jerry Bryant(2022). *Becoming a manager: The complete guide*. New York, Murphy & Moore Publishing.

# New Additions to the Collection



## ▶▶ Computational Biology: Theory, Models and Methods

Computational biology uses biological data to develop algorithms or models which help in understanding biological systems and relationships. It includes many aspects of bioinformatics. There is a large amount of data which is analysed in the fields of molecular biology and genomics. Research in computational biology deals with developing analytical methods for interpreting biological information. Computational biology has been used in classifying the human genome, creating accurate models of the human brain and assisting in modeling biological systems.



Source: Amazon

Nathaniel, Ivie (2022). *Computational Biology: Theory, Models and Methods*. New York, States Academic Press.

## ▶▶ CRM: Customer relationship management



Customer relationship management or CRM is a set of practices that enable companies to analyze customer-company interaction with a view to retain customers, increase sales and discover potential customers. CRM strategies involve data analysis on various aspects of a customer's choices, tastes and preferences. It also involves in-depth research on the various points and nature of interaction between customer and company such as websites, telephone calls, live chats, emails, etc. CRM software compile customer data into databases.

Call centers, social media, contact center automation, etc. are all aspects of customer relationship management. Most of the topics introduced in this book cover new techniques and the applications of customer relationship management. It will provide comprehensive knowledge to the readers.














Source: Amazon

Smith, Bertram (2022). *CRM: Customer relationship management*. New York, States Academic Press.

# Find more new titles..

## NEW ARRIVAL

Check the OPAC of Knowledge Centre for new additions and their availability at <http://libcat.duk.ac.in:8081/>

-  [Business analytics: Progress on applications in Asia pacific edited by Jorge L.C. Sanz](#)
-  [C programming: Learn to code by Sisir Kumar Jena.](#)
-  [Coaching and mentoring: Theory and practice by Bob Garvey.](#)
-  [Artificial intelligence: Technologies, applications, and challenges Edited by Lavanya Sharma](#)
-  [Spintronics : theory, modelling, devices by Tomasz Blachowicz, Andrea Ehrmann.](#)
-  [Image processing and analysis a primer by Gimel'farb, Georgy.](#)
-  [Information technology essentials by Harvey, Ethan](#)
-  [Game theory and mechanism design : IISc lecture notes series by Narahari](#)
-  [Social networks : modeling and analysis by Aggrawal, Niyati](#)
-  [Research methods : a practical guide for students and researchers by Tan, Willie](#)
-  [Operations research : introduction to models and methods by Boucherie, Richard J.](#)
-  [Image engineering by V Yu-Jin Zhang](#)
-  [Practical machine learning for data analysis using python by Subasi, Abdulhamit](#)