



**CHANDIGARH
ENGINEERING COLLEGE
CGC, LANDRAN, MOHALI**
Building Careers. Transforming lives.

**NAAC
GRADE A+**

ISSUE NO. **6**

APRIL 2026

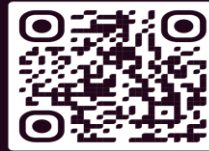
Library
NEWSLETTER



LIBRARY

BUZZ

SCAN ME



*"Libraries store the energy that fuels the imagination." —
Sidney Sheldon*

MESSAGE

It is a matter of great pride and satisfaction to present the **6th issue of *Library Buzz***, the newsletter of the Chandigarh Engineering College- CGC, Landran Library. This publication stands as a testament to our institution's commitment to nurturing a culture of learning, innovation, and academic excellence.

Libraries are the intellectual backbone of any educational institution. In today's knowledge-driven world, they serve not only as centers of information but also as catalysts for creativity, critical thinking, and lifelong learning. At CGC Landran, we continuously strive to strengthen our library services by integrating modern technologies, expanding digital resources, and creating an inclusive and dynamic learning environment for our students and faculty.

I commend the library team for their dedicated efforts in bringing out this informative and engaging newsletter. *Library Buzz* effectively showcases the library's initiatives, achievements, and valuable resources, keeping our academic community well-informed and connected.

I encourage all students and faculty members to actively utilize the library's vast resources and participate in its various initiatives to enhance their academic and research pursuits.

I extend my best wishes to the entire library team for their continued success and look forward to many more such enriching editions.

Dr. Sukhpreet Kaur
Director Principal (Officiating)
Chandigarh Engineering College - CGC,
Landran

It gives me immense pleasure to present the **6th issue of *Library Buzz***, the official newsletter of the Chandigarh Engineering College - CGC, Landran Library. Each edition of this newsletter reflects our continuous efforts to foster a vibrant reading culture, promote intellectual engagement, and keep our academic community informed about the latest resources, services, and activities of the library.

In an era where information is rapidly evolving, libraries play a crucial role not only as repositories of knowledge but also as dynamic learning hubs. At CGC Landran, we remain committed to supporting teaching, learning, and research by providing access to diverse print and digital resources, innovative services, and user-centric initiatives.

This issue highlights recent developments, new arrivals, digital resources, and various library activities aimed at enhancing user experience. I encourage all students and faculty members to actively engage with the library, explore its offerings, and make the most of the resources available.

Wishing you all an enriching reading experience.

Renu Oberoi
(Chief Librarian)

LIBRARY COLLECTION AT A GLANCE

ITEM	QUALITY
Number of Volumes	49062
Number of Titles	9632
Titles by Foreign Authors	4135
Volumes by Foreign Authors	13529
No. of Rare Books	101
No. of Ref. & Gen. Books	2547
Number of Printed Journals	64
Bound Volumes of Journals	1199
Number of Magazines	21
Number of Newspapers	21
No. of CD's & DVD's	1961
Number of e-books (World e-Book Library)	More than 20 Lacs
Number of e-books (EBSCO)	2,49,000
NDL Club Membership E-Books	More than 45 Lacs
Number of e-journals(DELNET)	1550
Total Number of e-journals(EBSCO)	3000+
NPTEL VIDEO LECTURES	2203
LIBRARY SOFTWARE	LIBSYS
TURNITIN PLAGIARISM SOFTWARE	
DIGITAL LIBRARY FACILITY	
REPROGRAPHIC & SCANNING FACILITY	

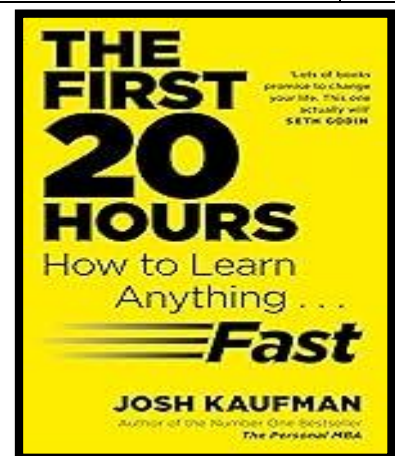
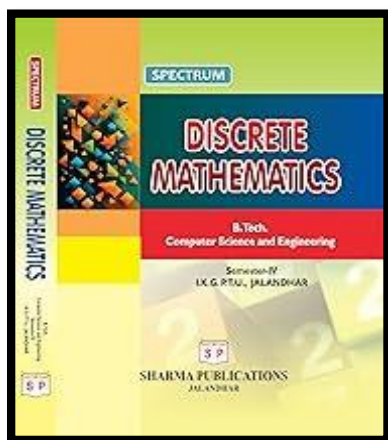
New Arrivals

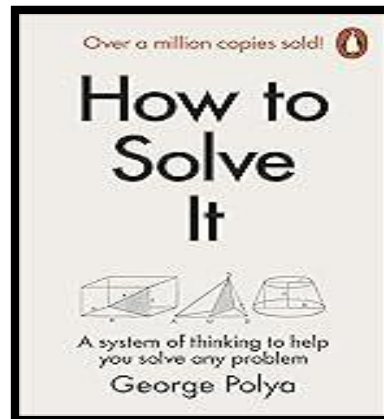
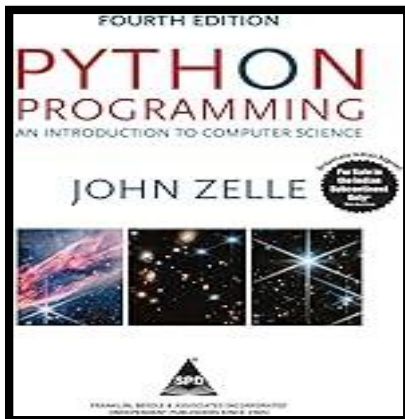
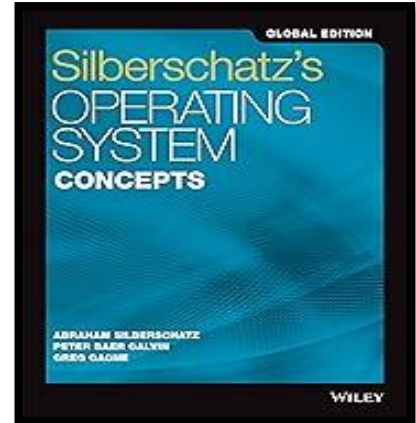
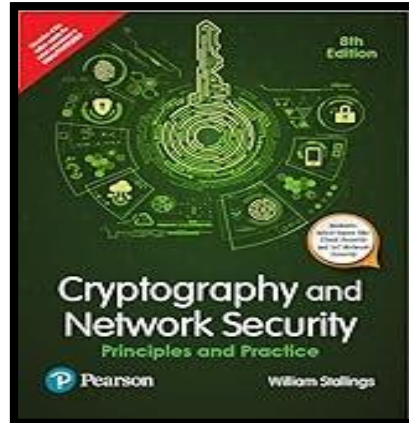
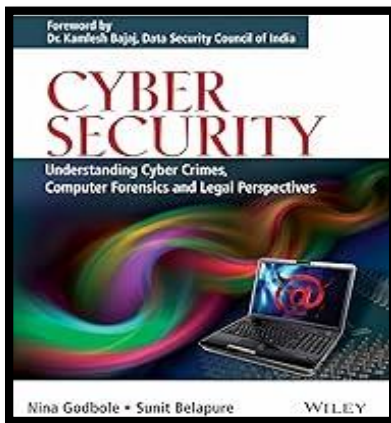
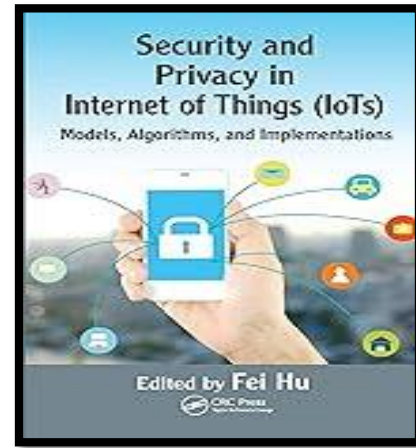
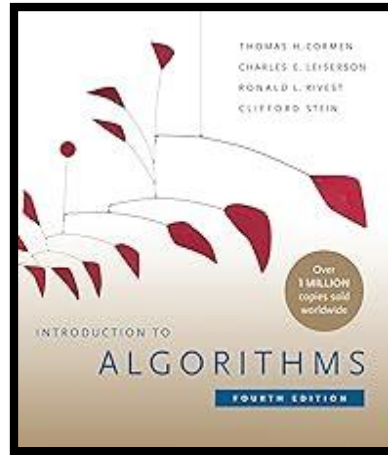
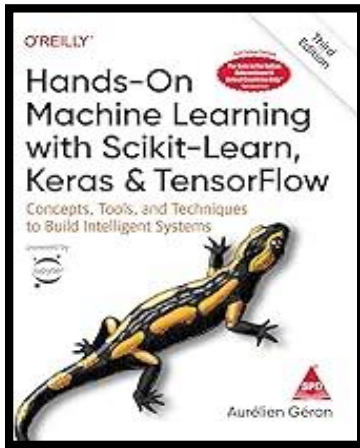
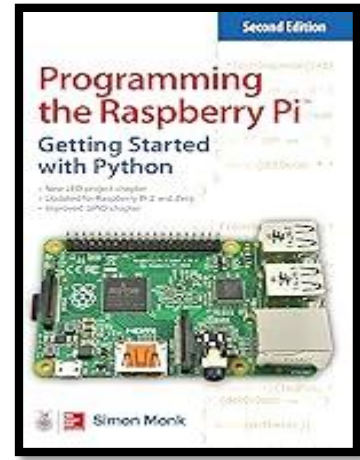
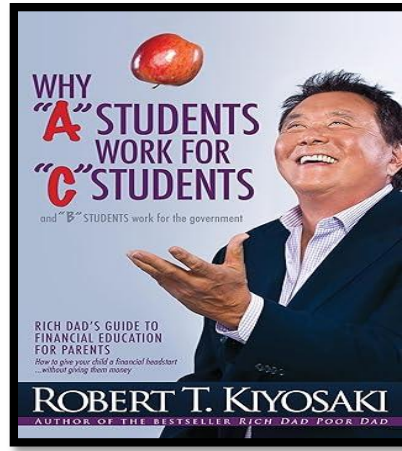
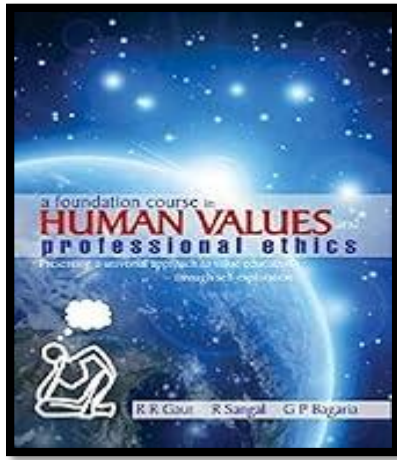
2025-26

30 TITLES
179 VOLUMES

ACCESSION NUMBER	CALL NO.	TITLE	AUTHOR	COPIES
EC42088- EC42097	510 N237S	SPECTRUM DISCRETE MATHEMATICS	NARULA,RAJESH KUMAR	10
EC42098- EC42107	004.22 S782C	COMPUTER ORGANIZATION AND ARCHITECTURE	STALLINGS,WILLIAM	10
EC42108- EC42111	030 M181G	GATE 2026 : COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	MADE EASY PUBLICATIONS	4
EC42112- EC42117	004.6782 E69C	CLOUD COMPUTING	ERL,THOMAS	6
EC42118- EC42122	170 G273F	FOUNDATION COURSE IN HUMAN VALUES AND PROFESSIONAL ETHICS	GAUR,R.R.	5
EC42123	005.133 N147P	PROFESSIONAL C # AND . NET	NAGEL, CHRISTIAN	1
EC42124- EC42163	515.15 T454C	CALCULUS AND ANALYTIC GEOMETRY	THOMAS,GEORGE B. AND FINNERY,ROSS L.	40
EC42164- EC42168	030 A266O	OBJECTIVE GENERAL ENGLISH	AGGARWAL,R.S.	5
EC42169- EC42193	005.133 S531P	PROGRAMMING IN PYTHON	SHARMA,POOJA	25
EC42194- EC42203	005.133 R214C	CORE PYTHON PROGRAMMING	RAO,NAGESWARA R.	10
EC42204- EC42208	006.3 R961A	ARTIFICIAL INTELLIGENCE : MODERN APPROACH	RUSSELL,STUART	5
EC42209- EC42210	005.13 L255R	R FOR EVERYONE	LANDER,JARED P.	2
EC42211- EC42220	004.22 M285C	COMPUTER SYSTEM ARCHITECTURE	MANO,MORRIS M.	10
EC42221- EC42222	005.43 S582O	OPERATING SYSTEM CONCEPTS	SILBERSCHATZ,ABRAHAM	2
EC42223- EC42224	005.13 C811I	INTRODUCTION TO ALGORITHMS	COREMEN,THOMAS H.	2
EC42225- EC42227	005 G577C	CYBER SECURITY	GODBOLE,NINA AND BELAPURE,SUMIT	3

EC42228	006.31 G377H	HANDS ON MACHINE LEARNING WITH SCIKIT-LEARN, KERAS, AND TENSORFLOW	GERON,AUSCLIEN	1
EC42229- EC42238	170 G273F	FOUNDATION COURSE IN HUMAN VALUES AND PROFESSIONAL ETHICS	GAUR,RR	10
EC42239- EC42243	005.8 S782C	CRYPTOGRAPHY AND NETWORK SECURITY	STALLINGS,WILLIAM	5
EC42244- EC42248	004.678 H874S	SECURITY AND PRIVACY IN INTERNET OF THINGS	HU,FEI	5
EC42249- EC42253	006.312 L879B	BIG DATA ANALYTICS	LOSHIN,DAVID	5
EC42254	823 M972N	NORWEGIAN WOOD	MURAKAMI,HARUKI	1
EC42255	823 G464B	BIG MAGIC : CREATIVE LIVING BEYOND FEAR	GILBERT,ELIZABETH	1
EC42256	823 E97I	INDISTRACTABLE : HOW TO CONTROL YOUR ATTENTION AND CHOOSE YOUR LIFE	EYAL,NIR	1
EC42257	616.079 M468M	MIND-GUT-IMMUNE CONNECTION	MAYER,EMERAN	1
EC42258	813.54 C456Y	YOU ONLY LIVE ONCE	CHANGLE,STUTI	1
EC42259	823 K21F	FIRST 20 HOURS	KAUFMAN,JOSH	1
EC42260	158.1 P781H	HOW TO SOLVE IT	POLYA,GEORGE	1
EC42261	158.1 K62W	WHY 'A' STUDENTS WORK FOR C STUDENTS AND 'B' STUDENTS WORK FOR THE GOVERNMENT	KIYOSAKI,ROBERT T.	1
EC42262- EC42266	004.165 M745P	PROGRAMMING THE RASPBERRY PI (TM)	MONK,SIMON	5





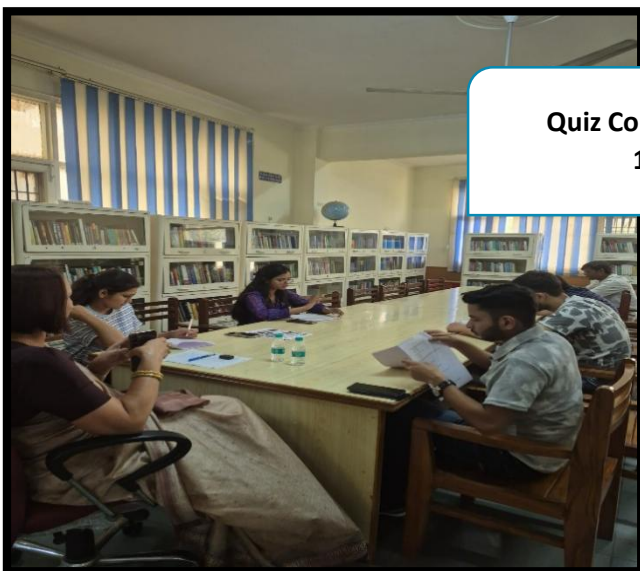


**Breaking the Ice – 1ST Meeting
30th January 2026**

EVENTS



**Book Review Session – 2nd Meeting
17th February 2026**



**Quiz Contest – 3rd Meeting
1st April 2026**



**RESULT OF LITERARY QUIZ CONTEST :- 1ST POSITION VISHESH (CSE)
2ND POSITION NISHA (IT) & 3RD POSITION NAKUL BANSAL (AIML)**

NAME OF PATENT INTELLIGENT VISION-GUIDED ANIMAL REPELLENT SYSTEM FOR FARMS

Abstract

Agriculture in developing regions faces challenges such as inefficient irrigation, lack of real-time monitoring, and crop losses due to animal intrusion. This paper presents AGRI-VISION, an integrated smart farming system that combines irrigation automation, environmental monitoring, and animal protection into a single, cost-effective platform. The system utilizes an IoT-based architecture with sensors for soil moisture, temperature, and motion detection, along with a lightweight ML-based camera module for real-time animal detection. Data is processed locally using a microcontroller, enabling edge computing and offline functionality suitable for rural environments. The system also implements a multi-layer deterrence mechanism using light, sound, and GSM-based alerts to prevent crop damage safely. Experimental results demonstrate 20–25% water savings, 80–85% detection accuracy, and reduced manual effort. The proposed solution is scalable, affordable, and promotes sustainable agriculture practices.

Keywords

Smart Farming, IoT, Machine Learning, Edge Computing, Irrigation Automation, Animal Detection, Crop Protection, Sustainable Agriculture

NAKUL BANSAL

AIML SEM 2ND (CEC)

Member of CGC Reader's Club



PATENT #RPG

Welcome seema [Sign out](#)

Controller General of Patents, Designs & Trade Marks

www.arpit.gov.in
G.A.R.6
(See Rule 22(1))
RECEIPT

Docket No 104355

Date/Time 2025/10/01 16:12:00

To
seema

UserId: Seema4534

Chandigarh Group of Colleges, Landran,
Sector 112, Khara-Banar Highway,
Sohna Road, Aji Singh Nagar, Punjab, 140307

CBR Detail:

Sl. No.	App. Number	Ref. No./Application No.	Amount Paid	C.B.R. No.	Form Name	Remarks
1	20251094915	TEMP-E-1105465/2025-DEL	1600	51593	FORM 1	A ROAD DUST CLEANING VEHICLE AND A WASTE SORTING SYSTEM
2	20251094914	TEMP-E-1105448/2025-DEL	1600	51593	FORM 1	AN ADVANCED REMOTE IGNITION ACTIVATION SYSTEM PROVIDING AUTOMATED ACCESS TO THE VEHICLE
3	E-10613506/2025-DEL	20251094915	0	---	FORM2B	---
4	20251094917	TEMP-E-1105229/2025-DEL	1600	51593	FORM 1	A SMART EMISSION CONTROL SYSTEM FOR PETROL VEHICLES
5	20251094918	TEMP-E-1105247/2025-DEL	1600	51593	FORM 1	BIO-INSULATED THERMOELECTRIC SMART BOTTLE
6	20251094919	TEMP-E-1105261/2025-DEL	1600	51593	FORM 1	A COMMAND-LINE-BASED (CLI) PRIVACY DETECTION SYSTEM
7	20251094916	TEMP-E-1105075/2025-DEL	1600	51593	FORM 1	INTELLIGENT VISION-GUIDED ANIMAL REPELLENT SYSTEM FOR FARMS
8	E-10613505/2025-DEL	20251094914	0	---	FORM2B	---
9	E-10613507/2025-DEL	20251094916	0	---	FORM2B	---
10	E-10613508/2025-DEL	20251094917	0	---	FORM2B	---
11	E-10613509/2025-DEL	20251094918	0	---	FORM2B	---
12	E-10613510/2025-DEL	20251094919	0	---	FORM2B	---

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of C.A. No.
N-00176342	Online Bank Transfer	011025040995	1600.00	14750112000001

Total Amount : ₹ 9600.00

file.pinda.gov.in/patent/ingCBRRceipt/printCBRRceipt

WORKSHOP

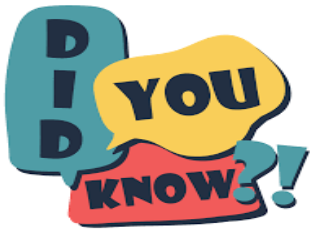


LIBSYS
LIBRARY
SOFTWARE



SHIVALIK VIEW
CHANDIGARH
ON
18TH FEB 2026





- The **first computer programmer** was **Ada Lovelace**, who wrote an algorithm for Charles Babbage's Analytical Engine in the 1800s.
- **IEEE Xplore**, one of the most important databases for engineers, provides access to **millions of research papers** in electrical, electronics, and computer science fields.
- The programming language **C**, widely used in engineering, was developed by **Dennis Ritchie in 1972**.
- The concept of the **Internet** originated from **ARPANET**, a project developed in the late 1960s.
- **Moore's Law** predicted that the number of transistors on a microchip doubles approximately every **two years**, driving rapid technological growth.
- The **first email** was sent in **1971** by Ray Tomlinson, marking the beginning of digital communication.
- **AutoCAD**, widely used by engineers, was first released in **1982**, revolutionizing design and drafting.
- **Open-source platforms** like GitHub allow engineers to collaborate globally and contribute to real-world projects.
- The first high-level programming language, **FORTRAN**, was developed in the 1950s for scientific computing.
- **Linux**, widely used in servers and supercomputers, is an open-source operating system created by Linus Torvalds.
- The **steam engine**, a key invention of the Industrial Revolution, was significantly improved by **James Watt**.
- **3D printing (Additive Manufacturing)** is now used to create complex machine parts layer by layer.
- The **transistor**, invented in 1947, revolutionized electronics and made modern devices possible.
- **5G technology** enables ultra-fast communication and supports innovations like IoT and smart cities.

**Work hard in silence, let
your success be your noise.**



Explore Pathways. Build Skills. Shape Your Future.

Tech/Database of the Month

Access the Right Knowledge, the Right Way

IEEE Xplore Digital Library

What is it?

A premier database for electrical, electronics, computer science, and emerging technologies.

Use it for:

- Research papers on AI, IoT, circuits, communication systems
- Final-year projects and technical seminars

Pro Tip: Filter by recent years to stay updated with current innovations.

ScienceDirect (Elsevier)

What is it?

A leading full-text database offering journals and books in engineering, science, and technology.

Use it for:

- In-depth study material and review articles
- Mechanical, Civil, and interdisciplinary engineering topics

Pro Tip: Look for **review papers** to quickly understand a complete topic.

SpringerLink

What is it?

A comprehensive platform providing access to books, journals, and conference papers across engineering and technology.

Use it for:

- Reference books and advanced concepts
- Research support and literature review

Pro Tip: Use e-books for **concept clarity** alongside classroom learning.

DIGI LIBRARY ANY TIME ANY WHERE



DELNET
Login ID-pbcecm
Password-
cecm8478



**WORLD E-BOOK
LIBRARY**
Login ID-
in_cgclm@user
Password-reading



GALE E-JOURNALS
[http://link.gale.com/apps/
menu?u=chandigarhengg](http://link.gale.com/apps/menu?u=chandigarhengg)
Access Code-info



EBSCOHOST
Login ID- cgcl
Password-
clg@2022



**TURNITIN
PLAGIARISM
SOFTWARE**



EBSCO BUSINESS ELITE
Login ID- chandigarhbusi
Password-Library@2025



LIBRARY WEB OPAC
<https://cgcopac.lsease.in>



**NATIONAL
DIGITAL LIBRARY (
NDL)**



NPTEL Video Lectures



SCAN ME