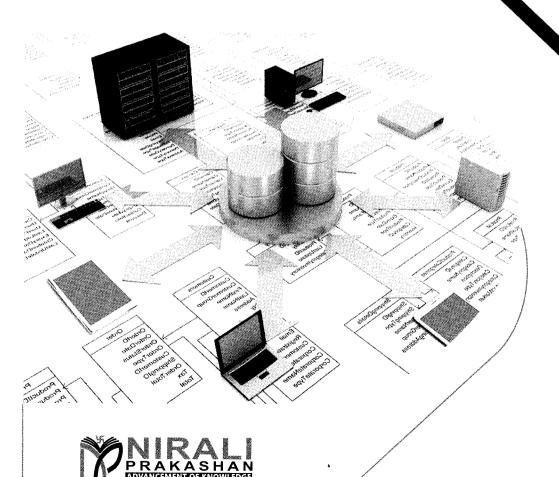
F.Y.B.C.A. SCIENCE: SEMESTER-II

NEW SYLLABUS CBCS PATTERN

## DATABASE MANAGEMENT SYSTEMS-I

ABHIJEET D. MANKAR



## DATABASE MANAGEMENT SYSTEMS-I

ISBN 978-93-89686-25-8

First Edition

November 2019

Author

E : Author

The text of this publication, or any part thereof, should not be reproduced or transmitted in any form or stored in any computer storage system or device for distribution including photocopy, recording, taping or information retrieval system or reproduced on any disc storage system or device for distribution including photocopy, recording, taping or information retrieval system or reproduced on any disc stape, perforated media or other information storage device etc., without the written permission of Author with whom the rights are reserved. Breach of this condition is liable for legal action.

Every effort has been made to avoid errors or omissions in this publication. In spite of this, errors may have crept in. Any mistake, error or discrepancy so noted and shall be brought to our notice shall be taken care of in the next edition. It is notified that neither the publisher nor the author or seller shall be responsible for any damage or loss of action to any one, of any kind, in any manner, therefrom.

Published By: NIRALI PRAKASHAN

Abhyudaya Pragati, 1312, Shivaji Nagar, Off J.M. Road, Pune - 411005

Tel - (020) 25512336/37/39, Fax - (020) 25511379

Email: niralipune@pragationline.com

**Polyplate** 

YOGIRAJ PRINTERS AND BINDERS

Survey No. 10/1A, Ghule Industrial Estate Nanded Gaon Road Nanded, Pune - 411041

Mobile No. 9404233041/9850046517

**DISTRIBUTION CENTRES** 

Nirali Prakashan :

119, Budhwar Peth, Jogeshwari Mandir Lane, Pune 411002, Maharashtra

(For orders within Pune)

Tel: (020) 2445 2044; Mobile: 9657703145 Email: niralilocal@pragationline.com

Nirali Prakashan

S. No. 28/27, Dhayari, Near Asian College Pune 411041

(For orders outside Pune)

Tel: (020) 24690204; Mobile: 9657703143

Email: bookorder@pragationline.com

**MUMBAI** 

Nirali Prakashan : 385, S.V.P. Road, Rasdhara Co-op. Hsg. Society Ltd.,

Girgaum, Mumbai 400004, Maharashtra; Mobile: 9320129587

Tel: (022) 2385 6339 / 2386 9976, Fax: (022) 2386 9976

Email: niralimumbai@pragationline.com

**DISTRIBUTION BRANCHES** 

**JALGAON** 

Nirali Prakashan : 34, V. V. Golani Market, Navi Peth, Jalgaon 425001, Maharashtra,

Tel: (0257) 222 0395, Mob: 94234 91860; Email: niralijalgaon@pragationline.com

Nirali Prakashan : New Mahadvar Road, Kedar Plaza, 1st Floor Opp. IDBI Bank, Kolhapur 416 012 Maharashtra. Mob : 9850046155; Email : niralikolhapur@pragationline.com

NAGPUR

Nirali Prakashan : Above Maratha Mandir, Shop No. 3, First Floor,

Rani Jhanshi Square, Sitabuldi, Nagpur 440012, Maharashtra Tel: (0712) 254 7129; Email: niralinagpur@pragationline.com

**DELH!** 

Nirali Prakashan : 4593/15, Basement, Agarwal Lane, Ansari Road, Daryaganj

Near Times of India Building, New Delhi 110002 Mob: 08505972553

Email: niralidelhi@pragationline.com

**BENGALURU** 

Nirali Prakashan : Maitri Ground Floor, Jaya Apartments, No. 99, 6th Cross, 6th Main, Malleswaram, Bengaluru 560003, Karnataka; Mob : 9449043034

> Email niralibangalore@pragationline.com Other Branches: Hyderabad, Chennai

a all alertors or omissions in this book. In spite this, errors may have crept in. Any type of the publisher, and the shall be taken care of in the next edition. It is notified that neither the publisher, tvery possible end i las d<del>ee</del> lillas miggake sgingred land shall de broug resconsible for any camage or loss of action to any one of any kind, in any manner, therefrom any camage are as a Government notification or publications. 0004 Selet STB æ te author

niralipune@pragationline.com | www.pragationline.com

www.facebook.com/niralibooks

Preface..

We take a System-I" to :n

to present the s

This book a implementing a

professional.

Extensive ex which helps to Without norma ability of design

We are ver Furia for publis

Any sugge appreciated.