



75
Azadi Ka
Amrit Mahotsav

Synergies in Defence

Exploring the Interplay of Science Technology Arts and Commerce

Avinash S. Jagtap | Ashok E. Kalange
Jagdish D. Deshpande | Devidas V. Bhosale
Aniket S. Kothawale | Vivek A. Bale
Shashikant C. Nakate



Principal
Tuljaram Chaturchand College
Baramati



**Bharti
Publications**



Publications

Synergies in Defence:

Exploring the Interplay of Science,
Technology, Arts, and Commerce

Edited by

Prof. (Dr.) Avinash S. Jagtap,

Prof. (Dr.) Ashok E. Kalange

Prof. (Dr.) Jagdish D. Deshpande

Dr. Devidas V. Bhosale

Dr. Aniket S. Kothawale

Dr. Vivek A. Bale

Dr. Shashikant C. Nakate

*Tuljaram Chaturchand College of Arts,
Science and Commerce College (Autonomous),
Baramati, Maharashtra*



Bharti Publications
New Delhi- 110002 (INDIA)

Copyright © Editors

Title: Synergies in Defence: Exploring the Interplay of Science, Technology, Arts, and Commerce

Editors: Prof. (Dr.) Avinash S. Jagtap, Prof. (Dr.) Ashok E. Kalange, Prof. (Dr.) Jagdish D. Deshpande
Dr. Devidas V. Bhosale, Dr. Aniket S. Kothawale
Dr. Vivek A. Bale, Dr. Shashikant C. Nakate

All rights reserved. No part of this publication may be reproduced or transmitted, in any form or by any means without permission. Any person who does any unauthorised act in relation to this publication may be liable to criminal prosecution and civil claims for damages.

First Published, 2023

ISBN: 978-81-19079-84-1

Published by:

Bharti Publications

4819/24, 2nd Floor, Mathur Lane

Ansari Road, Darya Ganj, New Delhi-110002

Phone: 011-46172797, 011-23247537, Mobile : 9899897381



E-mail: bhartipublications@gmail.com

Website: www.bhartipublications.com


Principal
Tujaram Chaturchand College
Baramati

Printed in India, by: Sagar Color Scan, Delhi

Disclaimer: The views expressed in the book are of the contributing authors and not necessarily of the publisher and editors. Editor themselves are responsible for any kind of plagiarism found in their chapter and any related issues with the chapter.

Contents

1. **Role of Statistics in Defence** 1-6
Prof. (Dr.) Avinash S. Jagtap & Chandrashekhar Swami
2. **Role of Commerce in Science, Technology, and Defence** 7-20
Dr. Vivek A. Bale
3. **Role of Physics in Defence** 21-25
Mr. Sandip B. Kakade & Prof. Dr. Ashok E. Kalange
4. **Role of Science and Technology in National Security** 26-33
Amol P. Lokhande & Dr. Devidas Vijay Bhosale
5. **Role of Geography in Defence** 34-39
Dr. Devidas Vijay Bhosale & Mr. Aniket P. Damale
6. **Role of Electronics in the Defence Industry** 40-45
Dr. Aniket Kothawale & Prof. (Dr.) Jagdish Deshpande
7. **The Role of Chemistry in Defence** 46-54
Dr. Rahul Bhondave
8. **The Role of Computer Science in the Defence Sector** 55-59
Dr. Shashikant Nakate
9. **Role of Economics in Defence** 60-65
Dr. Jotiram Sakharam Ghadge
10. **Role of Zoology in Defence** 66-74
Prof. Kishor More
11. **Role of Psychology in Defence** 75-84
Datta V. Londhe
12. **Role of Mathematics in Defence Sector** 85-184
Dr. Prakash B. Fulari

