



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



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, Maharshtra



Copyright © Editors

Synergies in Defence: Exploring the Interplay of Title:

Science, Technology, Arts, and Commerce

Prof. (Dr.) Avinash S. Jagtap, Prof. (Dr.) Ashok **Editors**:

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 b reproduced or transmitted, in any from or by any means without permission. Any person who does any unauthorise act in relation to this publication may be liable to crimina 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

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. Kalsade & 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 Datta V. Londhe	75-84
12.	Role of Mathematics in Defence Sector	85-184
	Dr. Prakash B. Fulari	