

# AI for Everyone: Applications

Editor

Shireeshkumar Sharadkumar Rudrawar

M.Sc., M.Phil., Ph.D.

*Assistant Professor, Department of Computer Science*

*Dnyanopasak Shikshan Mandal's Arts, Commerce & Science College, Jintur*

Nayana Subhash Ratnaparkhi

M.Sc., M.Phil., Ph.D.

*Assistant Professor, Department of Computer Science*

*Dnyanopasak Shikshan Mandal's Arts, Commerce & Science College, Jintur*

2023

Dnyanopasak Shikshan Mandal's  
Arts, Commerce & Science College,  
Jintur  
Publication

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Published by

Dnyanopasak Shikshan Mandal's Arts, Commerce & Science College, Jintur  
Dyangiri Campus, Yeldari Road, JINTUR – 431 509 Dist. Parbhani (Maharashtra) India

ISBN: 978-81-957387-4-8

Cover Design: Param Ramesh Parsewar, Student, Pursuing B. Tech in Computer Science and Engineering, IIT (BHU), Varanasi

Interior Design: Rachana Ramesh Parsewar, Assistant System Engineer working as Developer at TCS

Email: [principaldsmj@gmail.com](mailto:principaldsmj@gmail.com)

First Edition: 2023

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Dnyanopasak Shikshan Mandal's  
Arts, Commerce & Science College, Jintur  
PUBLICATION

ISBN: 978-81-957387-4-8

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First Published: 2023

Book DOI: <https://doi.org/10.5281/zenodo.8286720>

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On the behalf of The Publisher of this book, Dr. Prakash Laxmanrao Dompale (Editor)

Shri Guru Buddhiswami Mahavidyalaya  
Purna (Jn.) Dist. Parbhani - 431511 (M.S.)

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Purna (Jn.) Dist. Parbhani



## Chapter 10: Artificial Intelligence, the Automobile Industry and The Future of Electrical Vehicles

Dr. Suhas S. Satonkar  
Head, Dept of Computer Science, SSJES's Arts, Commerce & Science College, Gangakhed  
[satonkarsuhas@gmail.com](mailto:satonkarsuhas@gmail.com)

Dr. Ajay B. Kurhe  
Head, Dept. of Computer Science, SSGBS College, Purna (Jn)  
[ajay.kurhe@gmail.com](mailto:ajay.kurhe@gmail.com)

Dr. Ulhaskumar S Patki  
Dept. of Computer Science, NES Science College, Nanded  
[patkiulhas@gmail.com](mailto:patkiulhas@gmail.com)

Sudarshan Suhas Satonkar  
B.E. Mechanical Second Year Student  
Dr. D.Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune  
[sudarshansatonkar32462@gmail.com](mailto:sudarshansatonkar32462@gmail.com)

Sanjay S. Patil  
Head, Dept. of Computer Science, Gramin (ACS) Mahavidyalaya, Vasantnagar, Mukhed, Dist.  
Nanded  
[sanipatil14@gmail.com](mailto:sanipatil14@gmail.com)

### Abstract:

AI-powered autonomous driving systems enable electric vehicles to navigate traffic, prevent accidents and identify the fastest routes, making transportation safer and more efficient. Waymo, a subsidiary of Alphabet Inc., is at the forefront of developing autonomous driving technology for electric vehicles.

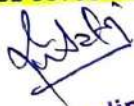
Artificial Intelligence (AI) has a significant impact on the automobile industry, revolutionizing various aspects of vehicle development, manufacturing, safety and user experience. Here are some keyways in which AI has transformed the automobile industry:

While autonomous cars hold great promise for transforming transportation, they also face several significant challenges that need to be addressed before they can become widespread on our roads.

**Keywords:** Artificial Intelligence (AI), Electric Vehicle (EV), Vehicle to Grid (V2G), Machine Learning (ML), Internet of Things (IoT), ADAS, NLP.

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ISBN: 978-81-957387-4-8



Co-ordinator  
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Shri Guru Buddhiswami Mahavidyalaya  
Purna (Jn) Dist. Parbhani - 431511 (M.S.)





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