



# Vel Tech

Rangarajan Dr. Sagunthala  
R&D Institute of Science and Technology  
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



Sl. No. : 8221

Reg. No. : 14RECS1031

The Board of Management of  
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of  
Science and Technology (Deemed to be University)

hereby makes known that

**WAYKAR SANJAY BAJABA**

**S/O VENUBAI BAJABA WAYKAR**

has been admitted to the Degree of

**Doctor of Philosophy**

in

**COMPUTER SCIENCE & ENGINEERING**

having been certified by duly appointed examiners to be

qualified to receive the same in the year **OCT- 2020**

in accordance with the provisions of

**UGC Regulations 2009 (for the award of Ph.D. Degree)**

Title of the Thesis:

**PROBABILITY EXTENDED NEAREST NEIGHBOR CLASSIFIER WITH ADAPTIVE GREY  
WOLF OPTIMIZER FOR CONTENT BASED LECTURE VIDEO RETRIEVAL**

Given under the seal of this Deemed to be University

Dated : 23.10.2020



Registrar

Vice Chancellor

Chancellor





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R&D Institute of Science and Technology  
(Deemed to be University) Estd. w/s 3 of UGC Act, 1956)

Reg. No. 14RECS1031

**PROVISIONAL CERTIFICATE**

Sl. No. 0000094

NAD ID: N10028477595

This is to certify that  
**WAYKAR SANJAY BAJABA**  
Doctor of Philosophy  
in

**COMPUTER SCIENCE & ENGINEERING**

Having satisfied all the requirements and viva-voce held on 15-10-2020

in accordance with the provisions of

AUC Regulations 2009 for the award of Ph.D. Degree

Title of the thesis:

PROBABILITY EXTENDED NEAREST NEIGHBOR CLASSIFIER WITH ADAPTIVE  
GREY WOLF OPTIMIZER FOR CONTENT BASED LECTURE VIDEO RETRIEVAL



Date : 22 - OCT - 2020

Controller of Examinations





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Registrar

*S. Selvaraj*  
Vice Chancellor

Chancellor