



**DEPARTMENT OF COMPUTER SCIENCE &  
ENGINEERING  
SCHOOL OF STUDIES IN ENGINEERING AND  
TECHNOLOGY  
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR,**

---

**CERTIFICATE**

This is to certify that the work which is being presented in the B.Tech. Minor Project Report entitled “**OBJECT DETECTION USING ALGORITHM YOLOV3**”, in partial fulfilment of the requirement for the award of the Bachelor of Technology in **Computer Science & Engineering** and submitted to the **Department of Computer Science & Engineering, Institute of Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur, India** is an authentic record of our own work carried out during a period from December 2020 to May 2021(6<sup>th</sup> semester) under the supervision of Manjit jaiswal Assistant Professor, Department of CSE. The content presented in this Project Report has not been submitted by us or by anyone else for the award of any other degree elsewhere.

**Mani shankar ray 19103337**

This is to certify that the above statement made by the student(s) is correct to the best of my knowledge.

**Signature of Supervisor(s)**

**Manjit jaiswal**  
Assist. Professor,  
Dept. of CSE

**शिवप्रयाष्यक  
Head**  
संयोजक विज्ञान एवं अभियांत्रिकी  
Computer Science & Engg.  
अभियांत्रिकी एवं प्रौ. अध्ययन शाला  
SOS, Engg. & Technology  
गु.घा. विश्वविद्यालय, बिलासपुर (छ.ग.)  
G.G.Vishwavidyalaya, Bilaspur (C.G.)

**Head: Dr. Alok Kumar Singh Kushwaha**  
**Computer Science & Engineering Department**