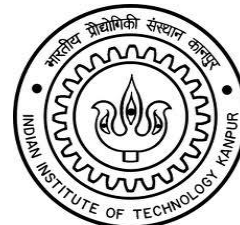




## Students' Placement Office, IIT Kanpur




### Project Verification Form

<b>Title of the Project</b>	5G/6G Development and ML
<b>Commencement Date</b>	11-07-2020
<b>Completion Date</b>	Ongoing
<b>Project Supervisor</b>	Prof. Aditya K. Jagannatham
<b>Organization/Institution where the Project was accomplished</b>	IIT Kanpur
<b>Project Description</b> (You can use extra A4 sheets in case you run out of space however the extra sheets should also have the seal & signature of the Project Supervisor or the relevant authority)	
<ul style="list-style-type: none"><li>• This Project involves development and analysis of various aspects of existing wireless technology including 2G, 3G, 4G and upcoming technologies like 5G, study of embedded technologies like MIMO (Multiple Input Multiple Output), OFDM (Orthogonal frequency division multiplexing), CDMA (Code Division Multiple access) and its properties like performance, speed, delay, diversity etc..</li><li>• In this project I'm creating models to differentiate foreground and background in the cheetah image problem using Bayesian decision theory, Bayesian Classifiers and Bayesian Parameter estimation.</li><li>• Achieved maximum Accuracy of 96.3% with falseness: 0.153 for the above model in Image distinction</li><li>• Used MATLAB machine learning toolbox, SciPy, NumPy, Matplotlib to develop above models and analyse their accuracy.</li></ul>	

**By appending your signatures to this form, you acknowledge and agree that:**

- This form along with the certificate would serve as the official document between the project supervisor and Students Placement Office, IIT Kanpur regarding verification of the student's project work
- The student will provide additional information and documentation relevant to his/her project upon request by the Students' Placement Office
- The student has clearly defined his/her individual role in projects done in cooperation with other students, faculty, groups or company personnel.
- Incorrectly over-stating the reach, impact and/or quantitative/qualitative results of a project is unethical.
- In case of violation of any of the above rules, Students' Placement Office, IIT Kanpur reserves the right to take necessary action including de-registering the student from the placement season and reporting the misconduct to the Institute Authorities.

<b>Submitted by: -</b>	<b>Project Supervisor Details: -</b>
Name: Rohit Ranjan	Name: Prof. Aditya K. Jagannatham
Roll No: 180629	Designation: Chair Professor
Signature:  Date: 20-7-2020	Signature: