

**Dr. Anirudh P Singh**

Dean  
Research & Development



**PTU**

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ  
Estd. Under Punjab Technical University Act, 1996  
(Punjab Act No. 1 of 1997)

Ref. No. IKGPTU /R&D/ 3029

Dated 23-05-2018

TO WHOM IT MAY CONCERN

It is certified that Mr./Ms. *Vikram Mutneja* was registered for Ph.D degree with this university in the discipline of *Electronics & Communication Engineering*.

Mr./Ms. *Vikram Mutneja* conducted research work on the following topic:

Research Topic	<i>Investigation In Detection, Quality Analysis &amp; Enhancement of Human Facial Images From Low Resolution Surveillance Video</i>
Registration Number	<i>1105001</i>
Registration Date	<i>03.08.2011</i>
Name of Guide	<i>Dr. Satvir Singh, Associate Professor, IKGPTU, Kapurthala</i>
Name of Co-guide (if any)	<i>-NA-</i>

Mr./Ms. *Vikram Mutneja* submitted his/her Ph.D thesis on *04/12/2017*. The same was evaluated by experts. He/she successfully gave his/her viva-voce on *09/05/2018*. Subsequently the committee recommended to award the provisional Ph.D degree to Mr./Ms. *Vikram Mutneja*. The final degree will be awarded after approval of Academic Council and Board of Governors, IKG PTU.

Dean (R&D)

**“Propelling Punjab to a prosperous Knowledge Society”**

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