



13.1573/309C8607

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# National Institute of Technology Kourkela

Upon the recommendation of the Senate,  
hereby confers the degree of

**Doctor of Philosophy**

on


*Suraj Sharma*

who has successfully defended the thesis entitled  
“*On Energy Efficient Routing Protocols for Wireless Sensor Networks*”

and has fulfilled all other requirements  
for the degree in the Department of  
*Computer Science & Engineering*.

Given this day, under the seal of the Institute  
at Kourkela in the Republic of India,  
the 16th Day of January 2016.



  
Registrar

  
Director