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CERTIFICATE

This is to certify that the dissertation entitled "Constraint based Cooperative Spectrum Sensing for Cognitive Radio Networks" submitted by Prakash Chauhan bearing Roll No: CSM11016 is an authentic research work carried out by him under my supervision and guidance for partial fulfilment of the requirements and the regulations for the award of the degree of Master of Computer Application (MCA) during the session 2011-2014 at Tezpur University.

To the best of my knowledge, the matter embodied in this dissertation has not been submitted to any other university/institute for the award of any Degree or Diploma.

Date: 26/05/2014 Place: Tezpur Dr. Nityananda Sarma

Professor

Department of CSE,

Tezpur University

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CERTIFICATE

This is to certify that **Prakash Chauhan** bearing Roll No: CSM11016 has successfully completed the dissertation entitled "Constraint based Cooperative Spectrum Sensing for Cognitive Radio Networks". This work was done under the supervision and guidance of **Dr. Nityananda Sarma**.

The dissertation is the result of his efforts and endeavors. The dissertation is found worthy of acceptance for the completion of his Major Project in Master of Computer Application (MCA).

Date: / / Place: Tezpur Dr. Shyamanta Moni Hazarika

Professor and Head Department of CSE, Tezpur University



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CERTIFICATE

The dissertation entitled "Constraint based Cooperative Spectrum Sensing for Cognitive Radio Networks" submitted by Prakash Chauhan bearing Roll No: CSM11016 for partial fulfillment of the requirements and the regulations for the award of the degree of Master of Computer Application (MCA) during the session 2011-2014 at Tezpur University have been examined.

Internal examiner

Date: 16/05 Grand

Internal examiner Date: 26 /5 / 1857

Place: Tezpan

External examiner

Date: / / Place: Tezpur

EXTERNAL EXAMINER



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DECLARATION

I hereby declare that the dissertationentitled "Constraint based Cooperative Spectrum Sensing for Cognitive Radio Networks" submitted for partial fulfillment of the requirements and the regulations for the award of the degree of Master of Computer Application (MCA) during the session 2011-2014 at Tezpur University.

The dissertation is prepared by me and has not been submitted to any other university/institute for the award of any Degree or Diploma.

Date: ₹6 /05/२०/५ Place: Tezpur Sremash charkon

Prakash Chauhan Roll No: CSM11016

Master of Computer Application,

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Prakash Chauhan (CSM11016)