



**INNOVATION COMMUNICATIONS  
SYSTEMS LTD**

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**P. Chandrasekhar, Professor, Dept.  
ECE, OUCE, Osmania University**

**Memorandum of Association**

For the execution of the following projects

- Project 1: Application of image quality enhancement of low-resolution blurry images of faces
- Project 2: To design and develop a model for fast detection of images from a huge database of 125 crore plus images
- Funding Agency: Department of Telecommunications, Ministry of Communications, Government of India
- Under the Scheme: Telecom Technology Development Fund (TTDF)



AN ISO 9001 : 2015 COMPANY



**INNOVATION COMMUNICATIONS SYSTEMS LTD.**

Survey No. 185, Door No. #1-55/11/KJ, Kalajyothi Building, Ground Floor,  
Masjidbanda, Kondapur R.R. District, Hyderabad,  
Telangana State - 500084. Ph: 040 - 67855555 Fax: 040 - 67855565  
Email :info@icsglobal.biz URL: www.icsglobal.biz



This memorandum of understanding (“MOA”) is executed on this day of 30 January 2023.

The “MoA” is signed solely for the purpose of execution of the Projects prosed to Department of Telecommunications, Ministry of Communications, Government of India, under Telecom Technology Development Fund (TTDF) Scheme. The titles of the Projects are:

1. Application of image quality enhancement of low-resolution blurry images of faces
2. To design and develop a model for fast detection of images from a huge database of 125 crore plus images

Hereinafter called Projects.

The MOA signed is conditional. All the terms below will take effect solely based on Department of Telecommunications, Ministry of Communications, accepting the proposed **Projects** for funding. In case the Department of Telecommunications, Ministry of Communications, rejects the proposed **Projects**, this MoU will be treated as NULL and VOID.

INNOVATION COMMUNICATIONS SYSTEMS LTD represented by Mr. Bhaskar Challapalli, Manager - Business Development. It is having its registered office at Survey No.185, D.No.1-55/11/KJ, Ground Floor, Gutenberg Kalajyothi Building, Sai pruthvi enclave, masjid Banda, Kondapur, Hyderabad, Telangana 500084. Hereinafter called Party I.

Prof. P. Chandra Sekhar, Department of ECE, Osmania University, Hyderabad, 500 007 Hereinafter called Party II.



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#### ARTICLE-1: Scope of the MoU

The scope of this MOA signed among Prof. P. Chandra Sekhar, Department of ECE, Osmania University and INNOVATION COMMUNICATIONS SYSTEMS LTD is restricted only during/for the period of execution of the **Projects**. The details of Projects are as follows.

**Project 1:** Application of image quality enhancement of low-resolution blurry images of faces

**Project 2:** To design and develop a model for fast detection of images from a huge database of 125 crore plus images

**Funding Agency:** Department of Telecommunications, Ministry of Communications, Government of India

**Under the Scheme:** Telecom Technology Development Fund (TTDF)

This MOA is conditional. i.e., all the terms of this MoA will take effect only after Department of Telecommunications acceptance of the proposed **Projects** for funding. In case the Department of Telecommunications rejects the proposed **Projects**, this MoA and all the terms herein shall be treated as NULL and VOID.

#### ARTICLE-II : Responsibilities

##### *A. RESPONSIBILITIES OF PARTY-I:*

- 1) To provide commercially driven state of the art technical specification required for the Projects.
- 2) To provide acceptance specification for the prototypes.
- 3) To provide necessary technical information, guidance, and support for the successful execution of the Projects.
- 4) To attend Project review meetings by nominating a suitable representative along with the representatives of the other parties involved in the execution of Projects.
- 5) To provide necessary technical support to the staff of the Project as required in different stages of the Projects.
- 6) To help characterize/test and validate the prototypes.
- 7) To validate the design as per the required specifications.



##### *RESPONSIBILITIES OF PARTY-II:*

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- 1) To be collaborator in the proposed Projects.

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- 2) It is responsible for design and development of the algorithms of the Projects.
- 3) To be single point of contact with the funding agency during the entire duration of the Projects.
- 4) To attend all the project review meetings whenever required.
- 5) To disseminate the information party received from the funding agency related to the Projects.
- 6) To share the technical details related to the progress of the Projects on timely basis.
- 7) To maintain the records of all accounts related to the Projects.
- 8) To transparently and proportionally disburse the funds received from funding agency.

**ARTICLE-III: EFFECTIVE DATES and DURATION of the MOA**

- 1) This MOA is conditional, it will take effect if Department of Telecommunications, Ministry of Communications, Government of India accepts the proposal of Project for funding. The MoU will come into effect after it's approval by competent authorities and after approval of the Project.
- 2) The duration of the MoA is up to the duration of execution of the Project and may be extended or terminated based on mutual agreement with a notice period of three months. However, the termination of MoA may in no manner affect the execution of the project and the staff involved.

**ARTICLE-IV: AMENDMENTS**

Any amendments and/or addenda to the AGREEMENT should be in writing and signed by the parties hereto and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

For:  
P. Chandra Sekhar  
OUCE(A), Hyderabad  
(Party-2)

For:   
INNOVATION  
COMMUNICATIONS  
SYSTEMS LTD  
(Party-1)



By: P. P. Chandra Sekhar 9001 : 2015 COMPANY  
Professor, Dept. of ECE, M. D. Challaipalli,  
OUCE(A), Hyderabad Manager - Business  
Development

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## DECLARATION

I/We, the undersigned, participating in the project entitled 'Application of image quality enhancement of low-resolution blurry images of faces' certify that the particulars submitted in the application are true and correct. I/We have read the guidelines, terms and conditions governing the scheme and undertake to abide by them. I/We would do our utmost to support and to ensure effective participation of researchers from respective organizations towards the goal oriented, time bound, and progress of the said project. The financial assistance, if provided, shall be put to the declared use.

We certify that:

- a) The research work proposed in the scheme/project does not in any way duplicate the work already done or being carried out elsewhere on the subject.
- b) The same project proposal has not been submitted to any other agency for financial support
- c) Necessary provision for the scheme/project will be made in the Company/Institute/University budget in anticipation of the sanction of the scheme/project.
- d) If the project involves field trials/experiments etc., I/we will ensure that clearances would be taken from concerned Committees/Competent authorities and the same would be conveyed to the Implementation agency before implementing the project and all national guidelines such as Cyber security, TRAI, Product Guidelines of Govt. of India would be strictly followed.
- e) The company/institution agrees that the equipment, other basic facilities and such other administrative facilities as per terms and conditions of the grant will be extended to investigator(s) throughout the duration of the project.
- f) The company/institution assumes to undertake other management responsibilities of the project.
- g) The company/institution agrees that the agreement, as per norms of the scheme, shall be executed with the department towards implementation of the project.

**Signatories Company and all Collaborators (Name, Designation, Signature & Seal)**  
Mr. Bhaskar Challapalli, Manager - Business Development  
Innovation Communications Systems Ltd.



**Project Coordinator**  
Prof. P. Chandra Sekhar,  
Department of ECE, OUCE(A),  
Hyderabad, Telangana – 500007

**Key Investigator(s)**

**Forwarding authorities of the company/companies/ institution(s)**  
Principal,  
OUCE(A),  
Hyderabad, Telangana – 500007

## DECLARATION

I/We, the undersigned, participating in the project entitled 'To design and develop a model for fast detection of images from a huge database of 125 crore plus images' certify that the particulars submitted in the application are true and correct. I/We have read the guidelines, terms and conditions governing the scheme and undertake to abide by them. I/We would do our utmost to support and to ensure effective participation of researcher from respective organizations towards the goal oriented, time bound, and progress of the said project. The financial assistance, if provided, shall be put to the declared use.

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Mr. Bhaskar Challapalli, Manager - Business Development  
Innovation Communications Systems Ltd.

*Bhaskar Challapalli*



**Project Coordinator**

Prof. P. Chandra Sekhar,  
Department of ECE, OUCE(A),  
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**Key Investigator(s)**

**Forwarding authorities of the company/companies/ institution(s)**

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