

**MEMORANDUM OF UNDERSTANDING
BETWEEN
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
AND
CR RAO ADVANCED INSTITUTE OF MATHEMATICS,
STATISTICS AND COMPUTER SCIENCE (AIMSCS)**

1. Preamble

The *JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA* hereinafter called JNTU(K), located at KAKINADA, ANDHRA PRADESH - 533003, is an autonomous University engaged in and providing graduate, postgraduate studies and conducting research in frontier areas of knowledge and offer Ph.D degrees to the researchers.

The C.R. Rao Advanced Institute of Mathematics, Statistics and Computer Science, hereinafter called AIMSCS, is a registered autonomous non-profit body, governed by a Governing Body and Governing Council, currently having its registered office at 6-3-787, Royal Pavilion (adjacent to RBI Officers Quarters), Ameerpet, Hyderabad – 500016, and office address *CR RAO ADVANCED INSTITUTE OF MATHEMATICS, STATISTICS AND COMPUTER SCIENCE (AIMSCS), PROF CR RAO ROAD, UNIVERSITY OF HYDERABAD CAMPUS, GACHIBOWLI, HYDERABAD – 500046*, formed with the objective of promoting research and advanced studies in mathematics, statistics, computer science and allied subjects. The institute is in the process of creating four centres of excellence in the following areas:

A. Centre of Excellence in Mathematical Sciences

Mathematics, Discrete Mathematics, Dynamical Systems, Number Theory etc., and its applications in Social Sciences, Life Sciences, Physical, Biological Sciences and Bio – Informatics.

B. Centre of Excellence in Statistics

Probability Theory and its applications, Combinatorics, Combinatorial, Optimization, Game Theory, Bayesian Analysis, Bagging and Boosting methods, Design of Experiments, Inference, Sample Surveys, Biometrics, Bio-Informatics, Orthogonal



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Arrays, Time Series and Econometric Models with applications aimed at national development, modernization of Indian Statistical System etc.,

C. Centre of Excellence in Signal Processing, Cryptography and Computer Science

To work in the above areas with special emphasis in Development of Algorithms, Software Development etc., which have application to ensure national security.

D. Centre of Excellence in Computational Genomics and Bio-Informatics

To work in the above areas with special emphasis in Data Bases, Data Analysis and Training Programmes etc., to help increase in food production, to provide better health care for the welfare of the people.

2. Collaboration

- 2.1 Faculty / Researchers and Scientists / Visiting Faculty at the two institutions may undertake joint research projects on topics of mutual interest in Mathematics, Statistics, Computer Science, Computational Genomics etc., or allied subjects and their applications.
- 2.2 Grants or Funds received through joint proposals will be shared based on effort and Commitment and equivalent fund will be managed by respective institution.
- 2.3 The two institutions may undertake joint organization of workshops / seminars / conferences / contact programmes both at the national and international levels in Mathematics, Statistics and Computer Science or allied subject.



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3. Teaching

- 3.1 Faculty (Visiting, Adjunct, Permanent or Associate) from either institution would Participate in the normal teaching activities on a mutually agreed basis and as per the norms of the respective institutes.

4. Students

- 4.1 Research Scholars at the AIMSCS may register for Ph.D at the JNTU (K) provided they satisfy all the general conditions that the JNTU (K) requires for their own Ph.D scholars, in respect of age and minimum educational qualifications. However, the candidates selected by AIMSCS as Research Fellows, without any need for any other qualifying test, shall be allowed to register for Ph.D by JNTU (K).
- 4.2 The research scholars from AIMSCS registered for Ph.D at JNTU (K) will have a guide and co- guide. If the guide is from JNTU(K), the co-guide would be from AIMSCS and Vice-versa. However, the guide and co-guide would be decided after mutual discussions between JNTU(K) and AIMSCS.
- 4.3 If AIMSCS conducts P.G. Programmes in specialized areas in its own campus, JNTU(K) shall recognize the same, subject to the condition that the course curriculum meets the requirement of University. For such recognized courses, JNTU(K) shall award degrees to the students.
- 4.4 Both AIMSCS and JNTU (K), in mutually agreed subjects may undertake joint teaching programmes, leading to a PG Degree.
- 4.5 The JNTU (K) will follow the same norms and procedures for recognition of the academic staff of the AIMSCS as research guides as they follow in respect of their own faculty while recognizing them as research guides.
- 4.6 Students from either Institution would participate in the normal and regular activities on a mutually agreed basis.



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5 Library & Research Facilities

5.1 The partnering Institutions will make available to faculty / researchers of either Institution, the library facilities free of charge. There would be provision for inter library loan and photocopying of research material.

6 Funds

6.1 Joint programmes under this agreement may be jointly funded with mutual consent.

7 Intellectual Property Rights :

7.1 Intellectual property developed by the joint efforts would be the joint property of the parties. Any financial benefits or otherwise arising would be shared proportionately by the parties in consonance with the efforts / inputs given by them.

8 Others

8.1 The resources generated by joint programmes will be shared on a mutually agreed basis.

9 Undertaking

Parties here to undertake to work closely and cooperate in the implementation of this Memorandum of Understanding and to make a significant commitment to this collaborative effort. Both the parties agree to expend their best efforts on design, implementation and successful continuation of this MoU and to endeavor to resolve disputes arising between them in relation to this MoU by amicable means.

10 Tenure of Agreement :

This MoU will initially be valid for a period of 5 years, and may be extended further / altered / amended / modified as mutually agreed to. The modifications, if any, can be entered into through agreements(s). This MoU can also be terminated at any time by mutual consent.



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However, clause 7 on IPR will continue to hold forever and teaching commitments under clause 2 will be fulfilled for the semester which might be running or about to start.

On Behalf of Jawaharlal Nehru Technological University Kakinada

Name : PROF. ALLAM APPA RAO

Designation : VICE-CHANCELLOR, JNTU(K)

Signature with Seal :



On Behalf of CR Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS)

Name : Dr. SB RAO

Designation : DIRECTOR, AIMSCS

Signature with Seal :



WITNESSES

1.

2.

 C. V. R. PRASAD
D. A. P. JNTU KAKINADA



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