



தமிழ்நாடு தமில்நாடு TAMILNADU

10.11.2023

AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
CHENNAI- 600 055.

S. Segu Jamaludeen
DB 900022

ச. சேகர் ஜமாலுதீன்

முத்திரைத்தாள் விநியோகம்
உரிமம் எண். 21CH (S) 20
உண் 20, முத்துக்கிராமம், சென்னை 600 075
புதி தேதி தகவல்.
ஆவடி, சென்னை - 600 075

MEMORANDUM OF UNDERSTANDING

BETWEEN

K.J.RESEARCH FOUNDATION , K.J.HOSPITAL RESEARCH AND POSTGRADUATE
CENTER

182,Poonamallee High Road, Chennai -600084, Tamil Nadu

AND

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Avadi IAF, Chennai 600055, Tamil Nadu

1. AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Aalim Muhammed Salegh College of Engineering is a self-financing Minority Institution, is Approved by AICTE, New Delhi, and affiliated to Anna University, Chennai. This College is Offering 6 UG Programs – CIVIL, CSE,EEE, ECE, MECHANICAL , IT and AI&DS. The vision of the Institution is to impart value oriented technical education and to Infuse a sense of discipline and humanitarian culture to mould the youth as an Intellect Citizen.

K. J. Research Foundation
93/1 New Pkge.
Poonamallee
High Road,
Chennai-600 084,
INDIA.
Reg.No 120 of 1983

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2. *K.J.research Foundation, K.J.Hospital Research And Postgraduate Center*

K J Hospital, Research and Post-graduate Centre, Chennai (herein after referred to as KJH)

Is the first corporate hospital in the country for which the founder is awarded the National B.C.Roy Award. It is one among the top-ranking hospitals in the country and it delivers multi Speciality clinics under one roof and with the latest medical equipments. KJH has initiated Research activities in basic and applied medical sciences right from its inception in the year 1969, although the K.J.Research Foundation (herein after referred as KJRF), an independent Research unit of KJH was formally registered in the year 1983 under the Tamil Nadu Society Registration Act 1975. KJRF has been recognized by the Department of Scientific and Industrial

Registration (DSIR), Ministry of science and Technology, Government of India for conducting research programmes. The Ministry of Finance, Government of India has issued exemption Certificate under notification 35(1)(ii) (For the donated sum Income Tax exemption of 100% for any individual donor and 175% exemption for any corporate body).

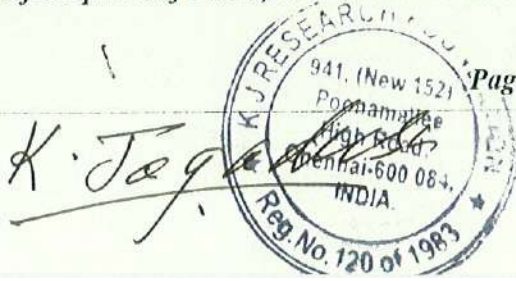
KJH/KJRF is recognized by Indira Gandhi Centre for Atomic research (IGCAR), Anna University, Chennai, IIT Madras, Tamil Nadu Veterinary AND Animal Sciences University (TANUVAS), University of Madras, Pharmacy Department of Pittsburgh University, U.S.A., Tamil Nadu Dr.M.G.R.Medical University, for conducting Ph.D., degree programmes.

National Board of examination, New Delhi had recognized KJRF/KJH for conducting Diploma course in National Board (DNB) in the following disciplines i)General Medicine ii)General Surgery iii)Radiology and iv) Dermatology. KJRF/KJH is accredited to the Royal College of Physicians and Surgeons Glasgow, U.K.

Three of our candidates were awarded Ph.D. Degree by Anna University, Chennai, one

Candidate from Andhra University and one candidate from Tamil Nadu Dr.M.G.R.Medical University. Now two candidates are registered with Anna University, Chennai (they are in

The final phase of Ph.D.) and another candidate is registered with IIT Madras.



S. Sagar Sanyal

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Major objective of KJRF as follows:

To carry out the scientific Research in basic Medical Health and allied fields of modern Medicine and in indigenous medical systems, thus to co-ordinate both systems.

The research activities of the KJRF are grouped under the following broad headings:

- i) *Fundamental Research*
- ii) *Applied Research*
- iii) *Scientific Studies*
- iv) *Polymerase chain reaction (PCR) based studies and Molecular Research*
- v) *Drug trials in animal models.*

KJRF/KJH has already signed MOU with Indira Gandhi centre for Tomic Research (IGCAR)

KALPAKKAM IN THE YEAR 2000. It is to the credit of this Institution that it went ahead with joint Projects in Thermography and in Micro Detector developed for assessing Lymphatic Flow Assessment. Also a joint field project namely "Development of portable Lymphoscintigraphy

for early assessment of Filarial Lymphatic Disease in South Indian scenario based on

Radioactive tracer Transport" has been accepted by the Board of Research in nuclear

Sciences (BRNS) Department of Atomic Energy, Government of India in November

2006

Another on going project by KJRF/KJH is funded by Indian Council of Medical Research (ICMR) New Delhi. The project is "Low cost and sensitive mass screening for prediction future Osteoporotic Fracture risk in woman and men".

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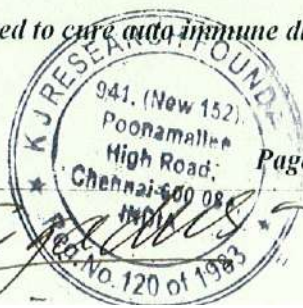
3. The two pioneer institutions, KJRF/KJH and Aalim Muhammed Salegh College of Engineering have recognized and offer excellent opportunities for constructive Collaboration for sharing the reservoir of knowledge available at both the ends, in order to Contribute to mutual benefit in the fields of education and research programmes in selected Disciplines. Interest in this regard has been discussed between the two Institutions at Various forums and levels. Accordingly, a team of senior medical Doctors and Research Scientists from the KJRF/KJH and Senior academic Faculty Members from Aalim Muhammed Salegh College of Engineering have exchanged visits in order to identify the Possible areas of collaboration that will promote the effective linkages between the two Institutions. The consensus will provide a suitable framework and platform forestablishing

The linkages and also pave the way for conducting collaborative Research and Education in Various field of interest for overall National benefits ultimately.

4. The Memorandum of Understanding (MoU) between KJRF/KJH and Aalim Muhammed Salegh College of Engineering in the first instance is aimed at conducting collaborative programmes in Education, Research and development encompassing the following broad common areas of mutual interest and benefit:

1. Cancer Vaccine: Personalized cancer vaccine by growing the cancer cells and Preparing vaccine from the same and it is used to build up antibodies against the Specific cancer. This technology has proved effective in sarcomas and certain Carcinomas. Our publications on the same has been well received and recently in U.S.A., Prof. Richard Barth of "Dartmouth-Hitchcock Medical Center, U.S.A." has also brought out the similar vaccine but we were the first to introduce the concept.

2. Auto Immune Disorder: auto immune diseases in human beings are incurable. With the advent of an enzyme preparation and immune modulator developed from a herbal preparation has proved to cure auto immune diseases like systematic lupus erythematosus (SLE) and Psoriasis.



3. *Application of Nano Technology on prosthetic heart valve material to prevent clot Formation and infection:*

- *In collaboration with Material Science Group IGCAR*
- *Project funded by UGC-DAE-CSR*

4. *Transplantation immunology and immune modulation.*

5. *Molecular mechanisms and identification of active principles of herbal preparations used for treatment and or prevention of diabetes.*

6. *Electron microscopic studies on pancreas and salivary glands with particular reference to diabetes.*

7. *Stem Cell Research.*

8. *Rheumatoid Arthritis.*

9. *Osteoporosis.*

10. *Talking up collaborative research projects.*

11. *Organizing Faculty development Programs.*

12. *Conducting training programs for students.*

13. *Establishing Research and Development Centre.*

In addition, the MoU also provides a space for inclusion of other areas of R and D not Mentioned above which is of Interest to both the Institutions at a later date.

5. *The details of the various schemes and other arrangements in respect of the above will be Worked out and finalized through mutual discussions for effective implementation of the programmes.*

6. (a) *The results / procedures / products / publications and patents that are produced by the Collaboration with KJRF/KJH and Aalim Muhammed Salegh College of Engineering will be The joint property of the institutions mentioned above.*



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K. Jagadeesan

(b) Any proprietary information, specifications, designs, experimental data, test results and conclusions of a study of studies made jointly by the two institutions shall not be divulged to any third party without mutual consent,

7. *The progress of various schemes / programmes will be reviewed jointly and improvements*

may be incorporated periodically during the process of implementation in order to meet the aims And objectives of the MoU.

8. *Duration of the MoU: The duration of the MoU shall be two years from the date of signing.*

The MoU may be renewed for further period if desired by either party.

9. *Any disagreement / difference of opinion / dispute regarding the interpretation of the provisions of this MoU shall be resolved by mutual consultation by the signatories.*



H. Jagadeesh

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AALIM MUHAMMED SALEGH TRUST

K. Joga Babu

Chairman / Director

K.J. Research Foundation,

K.J. Hospital Research & PG Centre,

182, Poonamallee High Road,

Chennai – 600084, Tamil Nadu



Date: 18.11.2023

Place: CHENNAI

Secretary & Correspondent

S. SEGU JAMALUDEEN

SECRETARY

AALIM MUHAMMED SALEGH TRUST

College of Engineering

Muthapudupet, Avadi I.A.F.,

Chennai – 600055, Tamil Nadu

OR

[Signature]
21/11/23

Witness:

1) *I. A. (I. ARUN)*
RESEARCH ASSOCIATE

2)

Shanker
18/11/2023
Prof. Dr. N. R. SHANKER
CSE

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