

Role of Beneficiary Industry: iWave Systems Technologies Pvt. Ltd

I have gone through the Project proposal entitled "Development of prototype ethanol sensor product based on PLD Grown BiFeO₃ thin films" submitted by **Dr. Jayarama A** as Chief Promoter, **Dr. Richard Pinto**, **Dr. Praveen J** and other Promoters, all from Alva's Institute of Engineering & Technology - Moodabidri, along with iWave Systems Technologies Pvt. Ltd., No. 7/B, 29th Main, BTM Layout 2nd Stage, Bengaluru, Karnataka 560076 as beneficiary Industry for KCTU funding and noted the obligations and responsibilities indicated in our name which are as below:

1. Contribution in financial terms : NIL
2. Contribution in kind (List of activities): iWave Systems Technologies Pvt. Ltd
Contribution is as follows
 - Packaging
 - Testing
 - Applications

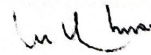
I hereby affirm that my organization/ industry is committed to participate in the Project to the full extent as indicated in the Project Proposal including the financial liabilities accruing there from as detailed above. A summary profile of my organization is given below:

Name of Organization: **iWave Systems Technologies Pvt. Ltd.**

Line of Business/ Major Products: Product Engineering Services involving Embedded Hardware, FPGA and Software. iWave's Hardware expertise spans complex board design up to 30 layers; Analog, Digital & RF Designs; FPGA Development up to 3+ million gates and VHDL / Verilog RTL Development & Verification

No. of employees: 176
Annual Turn over: 46 Crores

For iWave Systems Technologies Pvt. Ltd.,

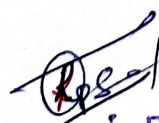

Director

(Head of the Industry/Agency)

Seal/Stamp
iWave Systems Technologies Pvt. Ltd.
7/B, 29th Main, BTM Layout 2nd Stage
Bengaluru - 560 076.
Tel: 080-2678 6243 Fax: 080-2678 6244

Date: 07-12-17
Place: Bangalore

7/B, 29th Main, BTM Layout, 2nd Stage, Bangalore - 560 076, India.
Tel : +91-80-2678 6243, 2678 6245, Fax : +91-80-2668 5200 Web : www.iwavesystems.com
CIN NO: U72100KA1999PTC025672


H.O.D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

(Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka)

Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State.

Phone : 08258-262724 (O), 262725 (P), Telefax: 08258-262726

Email : principalaiet08@gmail.com, Web: www.aiet.org.in

Date: 11-12-2017

To:

Karnataka Council for Technological Upgradation (KCTU),
2nd Floor, VITC Building,
Kasturba Road, Bangalore- 560 001.
Ph: 080-22860772 / 22866348 Fax : +91 80 22286607
e-mail : md.kctu@gmail.com
md-kctu-ka@nic.in / info-kctu-ka@nic.in,

Respected Sir

Subject: Financial support from Karnataka Council for Technological Upgradation (KCTU), Department of Commerce and Industry, Government of Karnataka to establish a full-fledged Research & Development Centre at Alva's Institute of Engineering & Technology - Moodabidri.

Alva's Institute Of Engineering & Technology (AIET) is a premier Engineering Institute of Alva's Education Foundation established in the year 2008. AIET is strategically located adjacent to Moodbidri -Mangalore National Highway, which is 24 Kms from Mangalore International Airport. The college is affiliated to Visvesvaraya Technological University (VTU), Belgaum & approved by AICTE, New Delhi. It has excellent facilities for academic, sports and cultural activities. Five departments of AIET have research centers which are recognized by VTU.

We are very much interested to establish a full-fledged Research & Development Centre at our Institute on "Development of prototype ethanol sensor product based on PLD Grown BiFeO₃ thin films" in collaboration with iWave Systems Technologies, an ISO 9001:2008 certified company/Industry. The iWave company accepted our invitation.

We hereby attach research proposal along with necessary attachments for funding from KCTU.

Thank you

Enclosures

1) VTU & AICTE ORDERS

2) Letters from iWave & Small Scale Industries

Yours sincerely


Principal

**APPLICATION FOR SUPPORT TO RESEARCH AND
DEVELOPMENT INSTITUTE**

Karnataka Council for Technological Upgradation

2nd Floor, VITC Building, Kasturba Road, Bangalore- 560 001.,
Karnataka, India

Project Title:

**Development of prototype ethanol sensor product based
on PLD Grown BiFeO₃ thin films**

Submitted by

Chief Promoter

Dr. Jayarama A.

Alva's Institute Of Engineering & Technology, Shobhavan Campus, Mijar,
Moodabidri -574225

**APPLICATION FOR SUPPORT TO REASERCH AND
DEVELOPMENT INSTITUTE**

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ANNEXURE – 1
APPLICATION FOR SUPPORT TO RESEARCH AND
DEVELOPMENT INSTITUTE

1	Name and Address of the Institution	Alva's Institute Of Engineering & Technology, Shobhavana Campus, Mijar, Moodbidri - 574 225
2	Constitution of the institution (enclose a copy of Registration issued by the component authority)	Enclosed AICTE & VTU orders
3	Registration No. and Date	F.No. 06/06/KTK/ENGG/2008/005 dated June 29, 2008.
4	Details of any other approvals/registration/ Accreditation with Government of India/Govt Of Karnataka or any other agency.	Alva's Institute of Engineering & Technology is recognized by AICTE and affiliated to VTU
5	Name and contact details of the contact person, Name of the chief promoter Designation, Landline phone No., Cell No., Email Id.	
	<p style="text-align: center;">Chief Promoter: Dr. Jayarama A Associate Professor, Alva's Institute Of Engineering & Technology (AIET), Shobhavana Campus, Mijar, Moodbidri - 574 225 Phone : 9611945201, 08258 - 262724, 25, Fax : 08258 - 262726 Email id: jrmarasalike@gmail.com</p>	
	Promoters	
	<p>Dr. Richard Pinto Professor and Research Director Dept. of Ele. & communication Engg. AIET, Moodbidri - 574 225 Email id: rpinto1942@gmail.com Ph:9892818760, 9920818760</p> <p>Dr. B. Basavaraju Professor and Dean Academics Dept. of Chemistry, AIET, Moodbidri - 574 225</p> <p>Dr. Ramaprasad A T Associate Prof. & HOD Dept. of Physics AIET, Moodbidri - 574 225</p> <p>Dr. Shashi Kumar Associate Prof. , Dept. of Physics AIET, Moodbidri - 574 225</p>	<p>Dr. Praveen J Professor and Dean Academics Dept. of Ele. & communication Engg. AIET, Moodbidri - 574 225 Email id: praveenj_vishruth@yahoo.in Ph:9110689173</p> <p>Dr. Satyanarayan Professor, Dept. of Mechanical Engg. AIET, Moodbidri - 574 225</p> <p>Dr. H. G. Umeshchandra Associate Professor, Dept. of Civil engg. AIET, Moodbidri - 574 225</p> <p>Dr. Ravikumar Associate Prof. & HOD, Dept. of Chemistry AIET, Moodbidri - 574 225</p>



Jayarama A <jrmarasalike@gmail.com>

Expert Committee Decision in respect of R&D Proposal.

Karnataka Council for Technological Upgradation (KCTU) <md.kctu@gmail.com>
To: Jayarama A <jrmarasalike@gmail.com>, AIET ECE <praveenj_vishruth@yahoo.in>

Sat, Feb 17, 2018 at 3:31 PM

Greetings From KCTU.

Sir,

M/s. Alva's Institute of Engineering & Technology, Shobhavan Campus, Mijar, Modabidri, Dakshina Kannada : "Development of Prototype ethanol sensor product based on PLD Grown BiFeO₃ thin films"

Decision : *The committee examined the proposal, approved the same for placing before the state level sanction committee for sanctions with the following suggestions.*

1. *R&D fabrication of Sensors for Environmental & Agriculture Application.*
2. *To put 3-4 sensors for ex. Ammonia, Ethanol etc.*
3. *To identify any 3 gases of Institute choice which is important for the state of Karnataka.*
4. *If possible try to make investment from the Industries for Package or Measurement.*

With regards,

(Anil Uppin)

Managing Director

KARNATAKA COUNCIL FOR TECHNOLOGICAL UPGRADATION
2nd Floor, VITC building, Kasturba Road,
Bangalore - 560001. Ph : 080 2286 0772 Fax : 080 2286 6607
email: md.kctu@gmail.com / md-kctu-ka@nic.in
web: www.kctu.kar.nic.in

Role of Beneficiary Industry: iWave Systems Technologies Pvt. Ltd

I have gone through the Project proposal entitled "**Development of prototype chemical sensors for environmental/industrial/agricultural applications**" submitted by Dr. Jayarama A as Chief Promoter, Dr. Richard Pinto, Dr. Praveen J and other Promoters, all from Alva's Institute of Engineering & Technology – Moodabidri, along with iWave Systems Technologies Pvt. Ltd., No. 7/B, 29th Main, BTM Layout 2nd Stage, Bengaluru, Karnataka 560076 as beneficiary Industry for KCTU funding and noted the obligations and responsibilities indicated in our name which are as below:

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Contribution is as follows

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- Testing
- Applications

This R & D work on chemical sensors leading to prototypes will enable us to develop the chemical sensor product by packaging, testing and some applications. In other words this work will open up a new production portfolio for our company.

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No. of employees : 156
Annual Turn over : 44 Crores



(Head of the Industry/Agency)
Seal/Stamp

Date: 14-02-18
Place: Bangalore