



LETTER OF INTENT ("LOI")

This LOI is signed as a convention between APS GmbH – European Centre for Mechatronics, IndoEuroSync UG and Sardar Patel Institute of Technology

This LETTER OF INTENT is made for creating a consortium for joint research, development and training between (1) **APS GmbH – European Centre for Mechatronics, Vaalser Str. 460, 52074 Aachen, Germany**, (2) **IndoEuroSync UG, Kapuzinergraben 38, 52062 Aachen, Germany** and (3) **Sardar Patel Institute of Technology, Munshi Nagar, Andheri (West), Mumbai 400058, India**. This LOI is made effective on 04th August 2017.

Between: APS GmbH – European Centre for Mechatronics herein referred to as PARTNER I or APS,

IndoEuroSync UG, Kapuzinergraben 38, 52062 Aachen, Germany herein referred to as PARTNER II or IES

And: Sardar Patel Institute of Technology to as PARTNER III or SPIT

1) **PURPOSE:**

The purpose of this LOI is to create a consortium specifically to accomplish the following tasks:

- Experimental & theoretical research
- Training
- Lab Development
- Technology Transfer & Technology Commercialization
- Technology Propagation / Evangelization

2) Responsibilities of the parties:

a. PARTNER I & II will have the following responsibilities

- Be the lead partners
- Provide physical / web access to Robotics / Mechatronics Lab: State-of-the-art Equipment & Lab facilities
- Provide Research Expertize in various areas of robotics, mechatronics & embedded systems
- Leverage Industrial Contacts in the European Industry

b. PARTNER III will have the following responsibilities

- Be the supporting partner
- Assign Manpower: UG/PG/PhD students selected through a rigorous process to participate in the research & development projects. Qualified faculty which is committed to continuous personal & student development
- Extend its Facility & Infrastructure to carry out research & development work identified by the Consortium
- Leverage its Industrial Contacts in the Indian Industry

3) Scope of Work / Areas for Collaboration:

- APS, IES, and SPIT to collaborate on experimental & theoretical research
 - SPIT students to conduct simulation studies via programming of the robots at APS through web
 - SPIT students (UG/PG/PhD) to prepare seminars and prepare research reports by undertaking short term / long term projects under the guidance of APS, IES & SPIT faculty. Seminar topics & Research areas to be jointly identified by APS, IES & SPIT faculty. SPIT may identify industrial sponsors
- Training
 - SPIT staff to undergo training at APS on the latest mechatronics equipment and theoretical developments: A defined no. of faculty to spend y weeks during winter and/or summer breaks. Cost sharing model to be agreed upon in a due course
- Lab Development
 - SPIT to develop a robotics / mechatronics lab on its campus in Mumbai leveraging APS & IES expertize



- Any unused / decommissioned, yet functional, equipment from APS can be utilized to provide hands-on exposure to SPIT students in India at a minimal investment
 - Technology Transfer & Technology Commercialization
 - IES & SPIT to work on transfer and commercialization of robotics / mechatronics technologies that are relevant in the Indian context
 - Technology Propagation / Evangelization
 - SPIT to hold workshops on various emerging topics in mechatronics
- 4) **Immediate Next Steps:**
1. Hold a joint meeting / conference call(s)
 2. Fine tune and Execute this LOI
 3. Identify key research areas
 4. Identify detailed scope of partnership
 5. Identify industry partners (if any)
 6. Identify funding requirements & funding model(s)
- 5) **TERMINATION:** This LOI is effective upon the day and date last signed and executed by the duly authorised representatives of the parties to this LOI. The LOI will terminate if all Partners enter into a mutual legally binding techno-commercial contract or after 2 years unless otherwise extended mutually. Either PARTNER I, II or III can initiate the request for termination of the LOI with a written 60 day notice citing specific reasons for such request.
- 6) **GENERAL PROVISIONS:** Amendments: Either party may request changes to this LOI. Any changes modifications, revisions or amendments to this LOI which are mutually agreed upon by and between the parties to this LOI shall be incorporated by written instrument, and effective when executed and signed by all parties to this LOI

- 7) **ENTIRETY OF AGREEMENT:** This LOI, consisting of four (4) pages, represents the entire integrated agreements between the parties and supersedes all prior negotiations, representations and agreements, whether written and oral.
- 8) **SIGNATURES:** In witness whereof, the parties to this LOI through their duly authorised representatives have executed this LOI on the days and dates set out below, and certify that they have read, understood and agreed to the terms and conditions of this LOI as set forth herein

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