# RESEARCH AND DEVELOPMENT PROJECTS AT DA-IICT

**Updated as on 14-6-2016**

(A) Sponsored Research Projects (Current)

<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
<th>Principal Investigator(s)</th>
<th>Co-PI(s)</th>
<th>Date of Commencement</th>
<th>Sponsor</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Techno Feasibility Study on Automation of hydroponics and greenhouse cultivation</td>
<td>Prof. Ranendu Ghosh</td>
<td>Prof. Rahul Dubey</td>
<td>February-2015</td>
<td>Gujarat Horticulture Mission</td>
<td>3,72,000/-</td>
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<td>2.</td>
<td>Knowledge Compilation in modal and Multimodal Logic</td>
<td>Prof. Manoj Raut</td>
<td>Prof. Rahul Muthu</td>
<td>February-2015</td>
<td>National Board for Higher Mathematics</td>
<td>6,84,200/-</td>
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<td>3.</td>
<td>Ultra wide band Dielectric Resonators Antenna</td>
<td>Prof. Deepak Ghodgaonkar</td>
<td>Prof. Sanjeev Gupta</td>
<td>December-2014</td>
<td>SAC-RESPOND</td>
<td>11,65,000/-</td>
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<tr>
<td>4.</td>
<td>Speech based Access of Agriculture Commodity Prices and Weather Information in 12 Indian Languages/ Dialects (ASR) Consortium-Phase-II</td>
<td>Prof. Hemant Patil</td>
<td>Prof. M.V. Joshi</td>
<td>September-2014</td>
<td>DeitY</td>
<td>44,70,000/-</td>
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<td>5.</td>
<td>Developing of Infant Cry Analyzer using source and system features</td>
<td>Prof. Hemant Patil</td>
<td>NIL</td>
<td>January-2013</td>
<td>DST</td>
<td>5,96,000/-</td>
</tr>
</tbody>
</table>
6. Title: Techniques for robust face recognition with pose variation  
Principal Investigator: Prof. Suman Mitra  
Co-PI(s): Prof. Mehul Raval  
Date of Commencement: October-2012  
Sponsor: BRNS/DAE  
Total Cost: 21,92,000/-

7. Title: Development of Text to Speech System in Indian Languages Phase-II  
Principal Investigator: Prof. Hemant Patil  
Co-PI(s): Prof. M.V. Joshi  
Date of Commencement: February-2012  
Sponsor: DeitY  
Total Cost: 76,90,000/-

8. Title: Development of Cross Lingual Information (CLIA) System Phase-II  
Principal Investigator: Prof. Prasenjit Majumder  
Co-PI(s): Prof. Suman Mitra  
Date of Commencement: May-2011  
Sponsor: DeitY  
Total Cost: 70,84,000/-

9. Title: Indian Digital Heritage (IDH-Hampi) Phase-II (Digital Capture of Culture & Heritage)  
Principal Investigator: Prof. M.V. Joshi  
Co-PI(s): Prof. Hemant Patil  
Date of Commencement: February-2011  
Sponsor: DST  
Total Cost: 37,60,000/-

10. Title: Value Addition in Grassroots Technologies  
Principal Investigator: Prof. Anil Roy  
Co-PI(s): Prof. Rahul Dubey  
Date of Commencement: April-2011  
Sponsor: National Innovation Foundation  
Total Cost: 9,59,271/-

11. Title: Kinetic Modeling of large size negative Ion Sources for fusion Application using emerging parallel processing computer architectures  
Principal Investigator: Prof. Bhaskar Chaudhury  
Co-PI(s): Prof. Mukesh Tiwari  
Date of Commencement: October-2015  
Sponsor: BRNS/DAE  
Total Cost: 23,69,300/-
12. Title: Study of Privacy, Accountability and Ownership in IoT
   Principal Investigator: Prof. Manik Lal Das
   Co-PI(s): Prof. Anish Mathuria
   Date of Commencement: April-2016
   Sponsor: Indo French Centre for the Promotion of Advanced Research
   Total Cost: 17,67,420/-

13. Title: Processor RTL Customization and Development of Low Power Design Flow Methodology
   Principal Investigator: Prof. Amit Bhatt
   Co-PI(s): Prof. Mazad Zaveri
   Date of Commencement: September–2015
   Sponsor: GUJCOST
   Total Cost: 2,50,000/-

14. Title: Enabling Technologies for remote health monitoring
   Principal Investigator: Prof. Biswajit Mishra
   Co-PI(s): Prof. Manik Lal Das
   Date of Commencement: September–2015
   Sponsor: GUJCOST
   Total Cost: 2,80,000/-
(B) Other Sponsored Projects:

1. **Title**: Center Early Adopter – NSF / TCPP CDER  
   Principal Investigator: Prof. Bhaskar Chaudhury  
   Co-PI(s): Prof. Mukesh Tiwari  
   Date of Commencement: 2014  
   Sponsor: National Science Foundation  
   Total Cost: USD 2500

2. **Title**: Expansion of Technology Incubation and Development of Entrepreneurs (TIDE) in the areas of Electronics and ICT  
   Principal Investigator: Prof. Anish Mathuria  
   Co-PI(s): Prof. Manish Gupta  
   Date of Commencement: June-2010  
   Sponsor: Deity  
   Total Cost: 1,50,00,000/-

3. **Title**: Gujarat Government Approved Nodal Institute for promoting Startups under the Startups/ Innovation Scheme  
   Principal Investigator:  
   Co-PI(s):  
   Date of Commencement:  
   Sponsor:  
   Total Cost:  

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