



October 1, 2019

Microgravity Club

Micro-g NExT Selection Board  
Johnson Space Center  
2101 NASA Parkways  
Houston, TX 77058

Dear Micro-g NExT Selection Board:

The Microgravity Club at Embry-Riddle would like to express their interest in participating in the 2019-2020 Micro-g NExT Design Challenge. As a club, undertaking the design challenge is one of our main objectives and we look forward to it year after year. This year in response to our club's growing numbers we have decided to have five teams participate in all the design challenges: The Surface Autonomous Vehicle for Emergency Rescue (SAVER), Dust-Tolerant Pivot Mechanism Challenge, Dust-Tolerant Loose Sample Device, Initial Sample Collection Device, and Lunar Sample Coring Device.

**This is our Letter of Intent for the Dust-Tolerant Pivot Mechanism**

Here at Embry-Riddle, air and space is our passion and this opportunity allows our team to work on projects that could make meaningful contributions to space research. We are eager to undertake this project and to share our research with everyone at Johnson Space Center and everyone else participating in the event.

Sincerely,

Sathya Gangadharan Ph.D., P.E., C.Mfg.E.  
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Professor, Mechanical Engineering  
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Team Lead

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Birce Dikici Ph.D.  
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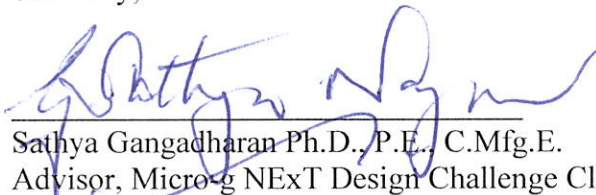
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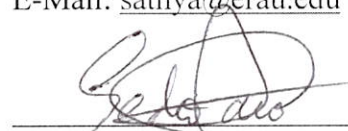
**This is our Letter of Intent for the Initial Sample Collection Device**

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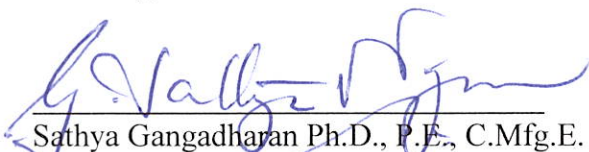
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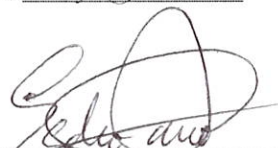
**This is our Letter of Intent for the Surface Autonomous Vehicle for Emergency Rescue (SAVER).**

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Team Lead

David Jefts 



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**This is our Letter of Intent for the Lunar Sample Coring Device**

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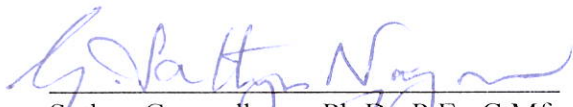
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**This is our Letter of Intent for the Dust-Tolerant Loose Sample Device**

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