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**Date:** 08/24/2017  
**Description:** Investigator Proposal Certification  
**Proposal Number:** 00019966  
**Proposal Title:** A New Phase Field Based Fracture Mechanics Theory for Understanding the Origin of Toughness Enhancement in Bio-inspired Materials with Intricate 3D Interfaces  
**Investigator:** Kesari, Haneesh

My signature below certifies that I hereby authorize Brown University to submit the above referenced proposal as an institutionally authorized proposal.

Further, as a Principal Investigator/Co-Principal Investigator/Co-Investigator I certify that:

1. I have filed the annual Assurance of Compliance Form and am in compliance with the reporting requirements of the University's Conflict of Interest Policy for Officers of Instruction and Research.
2. I agree, if an award is made as a result of this application, to accept responsibility for the scientific and technical conduct of this project, to provide the required technical reports, and to administer the project in accordance with the policies of the sponsor and the University.
3. I am not debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from the current transaction by a federal department or agency.
4. The information submitted within the application is true, complete and accurate to the best of my knowledge. Any false, fictitious, or fraudulent statements or claims may subject me, as the PI/Co-PI/Co-I to criminal, civil or administrative penalties. All personnel on this project, including postdocs, students, and visiting scientists, will have signed the Patent and Invention Agreement under External Grants and Contracts prior to the initiation of this project in accordance with the University's Invention Policy.
5. I have not and will not lobby any federal agency on behalf of this proposal nor do I have any knowledge of anyone else doing so.



**Signature**

08/25/2017

**Date**