Reviewer: 1

In this paper an effective numerical approach is proposed to investigate static and dynamic isogeometric analysis using inverse hyperbolic shear deformation theory.

The manuscript is clearly written and the results are well presented. The results appear to be valid and the methodology is appropriate. The following revision is asked:

Query1: The novelty of this work must be more demonstrated.

Reply: The novelty of this work has been highlighted using purple color text and the same is included in introduction and conclusion section.

Query2: Authors must compare the proposed theory with other advanced HSDTs with only four variables. A detailed literature review will provide the authors several papers that need to be included.

Reply: A comparision of the propsed IGA-IHSDT theory with advanced HSDTs with only four variable has been included (see Table 2) and highlighted in section 4.2.2. Also a detailed literature review has been included in introduction section regarding same in and changes are highlighted using purple color text.

Query3: In this work, the stretching effect is not considered. Thus authors are encouraged to discuss this effect.

Reply: Streching effect is included in section 4.2.1, Table 1. Also a detailed literature review has been included in introduction section and changes are highlighted using purple color text.

Reviewer: 2

I strongly agree the publication of this paper after minor revision. This is a complete work. Authors should improve the state of art with recent non-polynomial shear deformation theories published in this journal and others. A detailed literature review will provide the authors several papers that need to be included.

Reply: A detailed literature review has been included in introduction section in more clear way and changes are highlighted using purple color text.

Editor's Comments:

As can be seen both the reviewers point to insufficient inclusion of relevant literature. I strongly recommend the authors to conduct a detailed literature review and fill this shortcomings. While both reviewers provided a list of papers to include, i decided not to include those here, in the interest of avoiding self-citation and bias from the reviewers - rather i would urge the authors to conduct your own literature review to address the reviewer comments.

Reply: It has been implemented and changes are highlighted using purple color text.