**SDI Review Form 1.6**

| | |
|---|---|
| Journal Name: | **Asian Journal of Research and Reviews in Physics** |
| Manuscript Number: | **Ms_AJR2P_64883** |
| Title of the Manuscript: | **First principles Investigation of Structure and electronic properties of NiTe2 Fermi Crossing Type-II Dirac Semimetal.** |
| Type of the Article | **Original Research Article** |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(http://www.sciencedomain.org/journal/10/editorial-policy )

**PART 1: Review Comments**

| | **Reviewer's comment** | **Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
|---|---|---|
| **Compulsory** REVISION comments | **1. Please provide some results which are found from fabrication of NiTe2 material.**<br>**2. Please include a discussion section before conclusion. This section can discuss how the findings can be implemented into practical applications.**<br>**3. Please include brief explanation on how transition occurs in NiTe2 material.**<br>**4. Provide more calculated results (at least 1-2 figures) which can strengthen the superiority of NiTe2.** | noted |
| **Minor** REVISION comments | 1. Please give more explanation of the specific applications of NiTe2 material.<br>2. Please check the writing thoroughly as there are some grammatical and spelling errors.<br>3. Please use reference for all equations which are not modelled by authors.<br>4. Please improve the image quality if possible. | revised |
| **Optional/General** comments | | |

**PART 2:**

| | **Reviewer's comment** | **Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
|---|---|---|
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | |