**Excel Sheet for Padam Input validation**

This note gives the annotations or usage of Excel fields that will be given in the **Padam Input Template** for each of the PraSna for Jata/Ghana. This also tells significance of fields for Padam input validation.

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| **Column ref** | **Name** | **Usage** |
| A to H | Varied ref | No need to validate any column just ignore they are reference fields only.  Use them to print reference of Panchati Ref, Number and padam number in Panchaati. |
| I | Pan ref | Panchaati reference. This reference should be given in output for validation check. Along with ref of J and L |
| J | Panchaati No | Ref of Panchaati number is a PraSna |
| L | Padam No in Panchaati | The Padam number in the specific Panchaati |
| K and M | Padam Count in Prasanam/Anuvaakam | No need to print |
| N | Padam without iti | **This is the key input for Processing Padams. Padams are given here as it is to be used for Processing the validation.** |
| O | Type | This indicate what type of Padam it is. Allowed values.  PS – Padam Split or Expansion of a Padam (Column V must not be blank)  PG – indicates a Pragraha so rules of Pragraha for Sandhi or followed;  (Column V must not be blank)  PGS- indicates Pragraha padam with expansion (Column V must not be blank)  PGX – These are rarely occurring Padam which are not PG as per SIkSha but treated as PG without Sandhi with following word. (Column V not mandatory)  **If type is PG,PGS, PS and Column V is blank give error. If V is filled and Type field is empty give error.** |
| P | Ruk | Indicates end of a Ruk. That means these padams are expanded with iti.  (Column V must not be blank)  If V is filled but R is missing give error. |
| Q/R | JI/GI | Not required for Padam validation |
| S | Table Process | Not required for Padam input processing |
| N | Additional Ref | Not required for Padam input processing |
| U | Avagraha | Not required for Padam input processing |
| V | Padam Split Expansion | Manual input given wherever Padam Split is given as in Type Column “O”  Validate the formation of Swaras like in Column N but treat it as two padams part 1 and part 2. **‘-‘ is the indicator to separate two parts as two separate Padams for application of validation.** |

**Special Business Rules to Note for Validation:**

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| **Field Type Value** | **Name** | **Business Rules** |
| **Type Blank** | No Special Characters | The Padam shall by nature have one udAttam and one Swaritam at best. All of them can be anudAttam.  **No Padam Split Expansion required** |
| **Type – Pre** | **Prepositions** | **No Padam Split Expansion required** |
| **Type – PG** | **Pragraha** | Padam Split Expansion is required; The entire padam split will be treated as one Padam. udAttam or Swaritam can come twice but no separator. |
| **Type - PS** | Padam Split | Should have Expansion; Should have a ‘-‘ dash to separate two parts of the Padam. Both should have separate validations as applicable to an individual padam. Can have more than one udAttam and Swaritam |
| **Type – PGS** | Pragraha Split | Should have expansion. Should have a ‘-‘ dash to separate two parts of the Padam. Both should have separate validations as applicable to an individual padam. Can have more than one udAttam and Swaritam |
| **Ruk – Blank** | Field Empty | No Split required unless it is PS,PG, PGS, |
| **Ruk – R** | Field indicates end of a Ruk | If Type is **Blank or Pre** expansion required but without separator. Two udAttams and Swaritams can come. |
| **Ruk – R** | Field indicates end of a Ruk | If Type is **PS, PG, PGS** expansion required with separator and Two udAttams and Swaritams can come. |