NUST Documentation

# WordPress installation for nust Website

There is the 2 different WordPress structure possibilities for this project

## WordPress Network (multisite)

In this type we have to install only one WordPress core then we will enable the WordPress multisite (MU) for managing the main website, college and school websites.

**Advantages.**

* We have to install only one core WordPress installation.
* Plugin and theme will be uploaded only by supper admin. Plugin management can be done at college schools level to there respective administrators.
  + Can be multi supper admins for each site. (No)
* Local admins can activate and deactivate themes and plugin that are enables on network by supper admin.
* We can manage the shared content between websites. (This will help the developer for achieve the goal with less code.)
* You can update the plugins and themes on all your sites at one time.
* New module or widget of theme will be effect on all websites that using this theme (template).
* Quickly access all websites by logging in one time and managing all sites from one WordPress dashboard panel. (supper admin)
* You can properly configure and maintain Multilanguage versions of the same site through a multisite structure.

**Disadvantages**

* Database and upload data will be increase rapidly.
* Migration of content will be more difficult.
* Backup for file and database will be very difficult.
* If the plugin is become incompatible for the multisite then the whole network(main website, colleges and schools) will be down.
* If one of site in network is become compromised by a plugin (code) then the whole network security will be compromised.
* If the plugin is installed then the any administrator on site can be activate it. Without our permission.
* if the one site becomes too big(with respect to database), or just the number of sites(colleges and schools) increases too much making the whole system slow.
  + Describe the number of website.
* Huge traffic on one site may affect the speed of all the other sites of the network, for bandwidth reason but also because all sites share the same database.
* If one of your child sites has downtime, it’ll affect your other sites as well.
* If one of your sites has high traffic, your bandwidth for other sites might also get affected.
* Every plugin cannot be used for network(multisite).

Refrenaces:

<https://managewp.com/blog/wordpress-multisite-vs-multiple-sites>

<https://multilingualpress.org/docs/wordpress-multisite-pros-cons/>

## Single Sites Installation (individual installation for every child website)

**Advantages:**

* Each site has its own dashboard.
* Individual administration (it can be supper admin) login for every site.
* Down time on any of website will not affect other websites.
* If any website needs logic or layout changes this will be very easy to manage.
* If any plugin incompatible with WordPress installed on single site will not affect the other site that are not using.
* SEO strategy can be different on different sites.
* Multi languages can be implemented separately on sites related to its content.
* We can share the content between sites.

Disadvantages:

* Content sharing on between sites will be difficult. (In this developer will achieve the goal with bit more code).
* If you need to update plugin or theme code. You will be need to update it on all sites this will be time taken.
* Super admin needs to login separately on every site for update content of publish content.

Questions:

1. Is Download section on main site will be included all download form colleges and schools also?
2. News-headline will also be coming from child sites.
3. Is every schools or colleges having different eligibility for same program.
4. How we can manage the inner institutes of schools or colleges.
5. How we will manage the CENTRE FOR INNOVATION & ENTREPRENEURSHIP (CIE) & its Directorate
6. How we will manage the international students (at university level or schools’ vise).
7. How we have to manage the PG courses
8. Picture galley will be centralized or managed by each schools or college.
9. Tender information – it will be a module on main site or a child website for tender information.
10. Which data will be added frequently?
11. Which data will be updated frequently?
12. FAQs will be available only for admissions or it will be categorized.
13. FAQs will be separated on all websites.
14. FAQs will be show centralized on main website also.
15. How the inner pages will be displayed in new design. (it will be same like old site e.g. tabular and text).
16. Scholarships information will be centralized or categorized by schools and colleges.
17. How the Jobs section on (colleges and schools) will be work (it will link to HR website or need to develop the module).
18. How the Defaulters List will be managed as separate module or under the news section with category.
19. How the NUST library will b manage it will be managed in main site or will remain as the external.
20. How the student’s affair will be managed.
21. We will add the tag system in the website.
22. Who the search system will implemented on website? (main and child website will have centralized search or separate search.)
23. Is there any module or data (from WordPress) will be used any other domain or website (share-point) e.g. HR.
24. Academic Calendar will be centralized or fetch data on main website form child websites.
25. Is any reports.
    1. If there are any report. What type of content in these reports? e.g aggregate record or charts, graphs
    2. Are reports will be generated on college or school level
    3. Are report will be centralized. (Report will generated form all schools and colleges records).
26. Is there any shared data between schools and colleges.

<http://demo.solutionica.com/designs/nust/v1/>

<http://demo.solutionica.com/designs/nust/v2/>

<http://demo.solutionica.com/designs/nust/v3/>