**Scientific report generator**

Main objective of this system is to simplify report generation for employees of Ivan Franko National University of Lviv. System provides easy way of adding information about scientific work during report period.

**Roles:** teacher, head of department, dean, super user.

**Teacher:** can add personal data, data about scientific work, generate individual report, create publication and mark scientific work themes, he participated in.

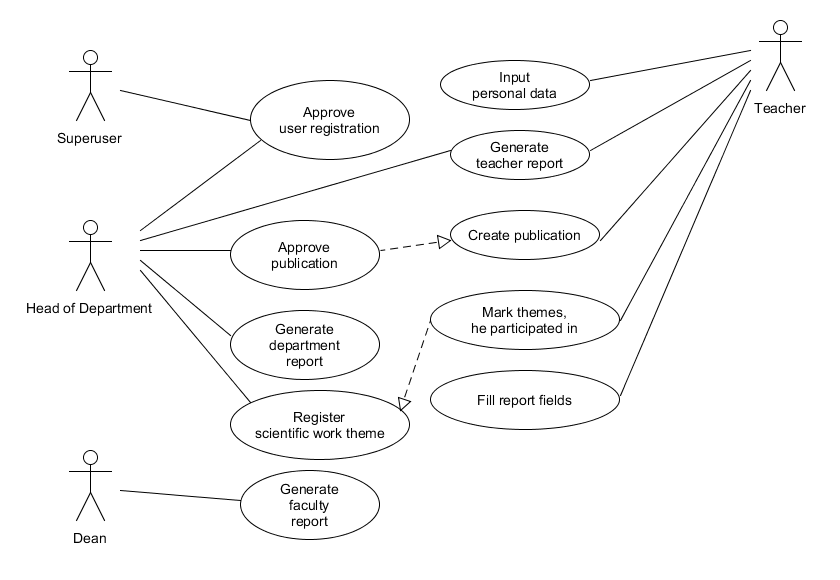
**Head of department:** Register themes for scientific work, generate department report, and approve registration of new teachers and publications created by teachers.

**Dean:** everything department manager can do, but instead of generating department report, can generate faculty report.

**Super user:** can approving new user’s accounts.

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| **#** | **Use Case** | **Role** | **Description** | **Action Method** |
| 1 | Input data | Teacher | Teacher can input personal data during the registration. |  |
| 2 | Fill report fields | Teacher | Teacher can add report information during the year. |  |
| 3 | Generate teacher report | Teacher | Teacher can generate personal report of his work during the year. |  |
| 4 | Create publication | Teacher | Teacher can create some publications as single or co-author. |  |
| 5 | Mark themes | Teacher | Teacher can mark scientific work themes he participated in. |  |
| 6 | Approve user registration | Head of department | Head of department can approve registered accounts. |  |
| 7 | Generate teacher report | Head of department | Head of department can generate teacher report. |  |
| 8 | Generate department report | Head of department | Head of department can generate report for his department using teachers’ reports. |  |
| 9 | Approve publication | Head of department | Head of department can approve publications created by teacher of the same department. |  |
| 10 | Register scientific work theme | Head of department | Head of department can create new scientific work themes for his department. |  |
| 11 | Generate faculty report | Dean | Dean can generate report of his faculty using all reports of head departments which belongs to this faculty. |  |
| 12 | Approve user registration | Super user | Super user can approve all registered users. |  |

Use-case diagram:



Class diagram:

