Developing a Web-based Search Application and Newsletter Content Processing Engine for Entrepreneurs and Startups (Frontend / Backend)

(IDP at the Entrepreneurship Research Institute in collaboration with INNOSPOT)

Early stage startups and entrepreneurs are continuously looking for appropriate startup programs (Accelerators, Incubators, Competitions) to finance, accelerate or market their ventures. However, the current process of finding these programs is very time consuming, inefficient and mostly incomplete.

At INNOSPOT, we have built the first comprehensive database which contains the full range of programs in Germany. The goal of the IDP is to use these data to implement a responsive web application and a personalized newsletter by developing a content processing engine.

**Subject area:** Economics: You will be supervised by the TUM Entrepreneurship Research Institute and will take a lecture (6 ECTS) e.g. in “Global Entrepreneurship” or “Technology and Innovation Management”.

**Project part:** May consist of the following work packages and will represent 7 ECTS (approx. 210 working hours, both full-time and part-time possible).

- Design and implementation of a MongoDB + Data import from our current database
- Implementing a node.js Backend and REST-API
- Design and implementation of a single-page responsive web application with a customizable search bar as well as a simple web-frontend to modify the database entries
- Developing a content processing engine based on the users’ preference in our MailChimp database (accessing MailChimp API)

**Requirements** (depending on work package):

- Web Development (JavaScript, HTML, CSS)
- Familiarity with the MEAN-Stack (MongoDB, AngularJS, MongoDB)
- UI / UX Skills

**Procedure:**

- You get one mentor from the chair and one from the INNOSPOT team (practical work)
- We will define the theoretical part and work packages in a kick-off meeting
- Regular update meetings but flexible working times / places
- Team size: up to 3 students (if you apply individual, we will match you into a team)
- Start date: As soon as possible

**Your chance:** You will be part of an early-stage startup. You will directly work together with the founders (Manage&More alumni) and experience how to build up a company. We offer a friendly atmosphere and tasty free coffee. If you are interested, you might join us after the project as working student or full-time employee.

**Application:**

Send your CV or LinkedIn / XING profile to daniel.buschmann@innospot.de with the subject line “IDP Startups” or give us a call at +49 151 21638279.