

Intern Requirement

No. of students required	1-2
Preferred Discipline	<ul style="list-style-type: none">• Computer Science• Computer Engineering• Electrical & Electronic Engineering
Prerequisites/ Skills Required	<ul style="list-style-type: none">• Advanced Java/C# programming• Object-oriented analysis and design principles• Basic knowledge in web programming/administration• Knowledge of NLP techniques is desirable

Project Details

Title	Dynamic Rules-Based Email Filtering
Overview/Background	<ul style="list-style-type: none">• With the widespread use of email as a communications medium, there is an increasing need for companies to be able to control the flow of emails in and out of their environment.• This can be done by applying rules to emails entering or exiting their environment in order to filter out unintended mails (such as spam and viruses).• While email filtering is commonly used today to filter incoming emails, this can be further enhanced to provide finer exit control over who the recipients are and when emails can be sent or received.
Objectives/Scope/ Deliverables	<ul style="list-style-type: none">• The main objective of this project is to evaluate the viability of a rules-based email filtering system.• The rules-based engine would allow rules to be applied dynamically as and when business conditions dictate. Examples include:<ul style="list-style-type: none">• preventing emails from being sent out during non working hours• preventing emails from being sent to certain external parties during sensitive negotiations (ie. imposing a media lock-down)• restricting the number of recipients that can be sent for all users (except a small select group with bulk-sent access)• The rules applied will be dynamic and affect all new emails processed by the system. Rules can have a time-sensitive component to them such that they will auto-enable or auto-expire when predefined criteria are satisfied.• The final delivery shall be a rules-based email filtering application that allows rules to be applied to new emails being processed by the system.• This project will equip the intern with indepth understanding of how email systems, mail filtering and rule-based engines work.• This knowledge will be applied to build the prototype.
Project Duration	6 months