S.No Author Dataset Classiﬁcation

approach

Merits Limitations Result

1Shrivastava

& Bindu

(2014)

Corpus of 2,248 emails

with 1,346 spam and

ham texts

Rule based spam

detection ﬁlter

with some

assigned weights

Combination of Genetic

Algorithm with e-mail

ﬁltering methods facilitates

efﬁcient spam detection

Need to increase the size of

dataset and in-depth analysis

of parameters of Genetic

algorithm is required

Accuracy-82.7%

Precision-

83.5%

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| **Author** | **Dataset size** | **Classification Approach** | **Result** |
| Shrivastava (2014) | orpus of 2,248 emails  with 1,346 spam and  ham texts  Corpus of 2,248 emails with 1,346 spam and ham texts | Rule based spam detection ﬁlter | Accuracy-82.7% |
| Luo et al. (2011) | Spam corpus with 4,150 spam and 1,897 ham mails | Rule extraction, optimization, and rule ﬁltering models are used | Accuracy-98.5% |
| Fuad Deb & Hossain (2004) | Email corpus with 271 training and 30 test email text | Fuzzy Inference System with a set of Fuzzy rules | Accuracy-90% |
| Mohammed (2013) | Email-1,431 rows in dataset | SVM, K-NN, NB | Accuracy-85.96% |