

## ABBYY FineReader® OCR Saves the Day for Reserve Bank of India

*“Negotiated Dealing System (NDS) software was the brainchild of TCS programmed specifically to meet the requirements of RBI. But the failure of the software to crop signatures made us feel that our energy and resources have gone down the drain. NETSPIDER INDIA’s timely solution with ABBYY’s FineReader saved the day,”*  
Mr. Kanteeswaran, IT Manager (RBI).

### Background:

In the large area of responsibilities of the Reserve Bank of India (RBI) lies the statutory obligation to manage the internal debt of the Central Government of India. The operational part of this task is managed by the **Public Debt Office (PDO)** of the RBI. PDO maintains cards of the authorized signatories which have to be matched when any transaction takes place. For a long time the matching was done manually by the Office staff. Needless to say, such system was proving to be time-consuming and lacked accuracy. To solve these issues the RBI sought for an automated solution which would facilitate cropping and matching signatures and yet not interfere with the existing database and platform infrastructure.

### Challenge:

Initially, RBI turned to its consultant, TCS, to find a solution. In response, TSC started the requirement analysis and software development process, but after many trials they stated that the process of signature cropping by the NDS software would not be possible in the desired timeframe and that RBI should continue with process of physical matching. This option was out of the question for RBI, as its managers were determined to eliminate this drawback.

### Solution:

NETSPIDER INDIA (NIIL), ABBYY’s distributor in India, proposed to use ABBYY FineReader, ABBYY’s award-winning intelligent OCR software which features powerful recognition algorithms, superior accuracy and ease-of-use, as well as a number of advanced functions. ABBYY FineReader is equipped with a “Crop” function, which was of paramount importance to RBI. The operators were able to crop signatures with ABBYY FineReader from customer cards that were available with the RBI; then, the images were resized in Adobe Photoshop and uploaded to NDS. Additionally, ABBYY FineReader proved to be irreplaceable for the fact that it would not interfere with NDS<sup>1</sup>, the software already existing within the bank’s infrastructure, but instead act as a link between a scanned signature image and the customer file in the database.



RESERVE BANK OF  
INDIA

### About Reserve Bank of India (RBI)

The Reserve Bank of India, India’s Central Bank, was established under the Reserve Bank of India Act, 1934 and commenced operations in 1935. RBI is fully owned by the Government of India. RBI is constituted to regulate the issue of banknotes, maintain reserves with a view to securing monetary stability, and operate the credit and currency system of the country to its advantage. More information is available at <http://www.rbi.org.in>



[www.netspiderindia.com](http://www.netspiderindia.com)

### About NETSPIDER INDIA (NIIL)

NETSPIDER INDIA specializes in ABBYY channel distribution and giving end-to-end solutions in various fields like imaging, networking, scanning, connectivity, Project consultancy, and doing developments around ABBYY technology. NETSPIDER INDIA has experienced technical skills in implementing ABBYY FineReader OCR, FormReader Enterprise, Desktop, FlexiCapture Studio and other ABBYY line of products. More information is available at <http://www.niil.in>

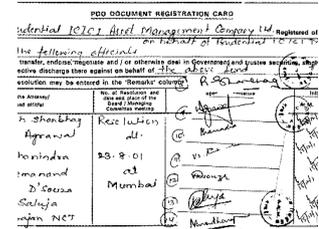
<sup>1</sup> **Negotiated Dealing System (NDS):**

Negotiated Dealing System (NDS) is an electronic platform for facilitating dealing in Government Securities and Money Market Instruments.

### Changes made possible with ABBYY FineReader:

- ABBYY FineReader did not amend or interfere with the NDS software thus saving RBI vast amounts of money and time otherwise spent on development and manual labor.
- Customer cards were digitized and an electronic storage was created; hence, eliminating inefficiencies resulting from locating a lost card manually.

The success of **NETSPIDER INDIA (NIIL)** where others had given up proved once again that ABBYY solutions are the right choice for businesses seeking to improve their service offerings and optimize business processes without major revamping and negative ramifications.



RBI signature card

### SUMMARY

#### Customer:

Reserve Bank of India (RBI).

#### Problem:

The bank's IT consulting firm, TCS, did not include the signature autocapture module as the part of NDS deliverable, making signature cropping a difficult, if not impossible, task. As a result, signatures of the clients had to be matched manually.

#### Project:

Finding a software-based signature cropping function and integrating it with already existing NDS software.

#### Solution:

NETSPIDER INDIA (NIIL) proposed ABBYY FineReader OCR with operating process customization to crop and upload signatures of the desired size in NDS.