

IGNITE 2022



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FACULTY ACHIEVEMENT



STM JOURNALS

Recent Trends in
Sensor Research & Technology

<http://engineeringjournals.stmjournals.in/index.php/RTSRT/index>

ISSN: 2393-8765
Volume 9, Issue 1, 2022
DOI (Journal): 10.37591/RTSRT

Research

RTSRT

Offline Handwritten Sanskrit Character Recognition System

R. Dinesh Kumar^{1*}, M. Kalimuthu², C. Sridhathan³

Abstract
Despite technological improvements, computers still lag behind in language recognition. The majority of character recognition systems are incapable of reading cracked documents or handwritten characters or words. Sanskrit, an alphabetic script, is spoken by more than 100 million people worldwide. This study is about converting scanned handwriting images into text. This contains the steps below. The scanned image is initially segmented using a spatial space detection approach, after which the images are turned into paragraphs. Then, using histogram approaches, paragraphs are segmented into lines, words, and characters. After that, it is subjected to a Support Vector Machine (SVM) extraction technique, a supervised learning algorithm for classification and these classes are mapped onto Unicode for recognition. Finally, the text is reconstructed using Unicode fonts which are subjected to readable and editable documents.

Keywords: Support Vector Machine, Character Recognition System, machine learning techniques, handwritten, philosophy

Dr. Sridhathan, Head, Department Science and Humanities has published an article entitled **Offline Handwritten Sanskrit Character Recognition System** published in the Recent Trends in Sensor Research & Technology, Volume 9, Issue-01, 2022.

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ALUMINI ACHIEVEMENT



Mr. Prabhakaran alumni (2017-20 Batch) working in Ultraserve Systems, Chennai referred an placement for the post of Jr. Biomedical Engineer on 21st April 2022. Dr. N. Prabhakaran Associate Professor, Department of BME had taken the students for the placement drive at Nesapakkam, Chennai

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MOU SIGNED



Dr. B. Anandhi and Mr. R. Madhan Balaji has arranged for an MOU with Chettinad Dental Hospital on 22nd April 2022. The MoU has been signed by the Principal Dr. Srinivasan Alavandar and the hospital officials.

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BHUMI CAMPUS AWARDS

The screenshot shows a web browser window with the URL form.jotform.com/220902727849059. The page features the Bhumi logo at the top, which consists of a stylized orange flame above the word 'Bhumi' in orange. Below the logo, the title 'Bhumi Campus Awards Application Form' is displayed. The text on the page reads: 'Click [here](#) to read the Instructions & FAQs to fill out the application form. This form should be used to submit your application for each category individually. After submitting for one category, please use the same form link to apply for any other category.' Under the heading 'College Details', there is a 'College Name' field with a dropdown menu currently showing 'AGNI COLLEGE OF TECHNOLOGY'. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates a temperature of 32°C, 'Mostly sunny' weather, and the date '23-04-2022'.

Our Institution has applied for **Bhumi Campus Awards** under the following categories:- **Unique Social Initiative and Volunteer Engagement**. As this award is based on voting system, we would expect your fullest cooperation once the voting line are active.

STUDENTS PARTICIPATION



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HARIHARAN R

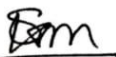
for successfully completing the course

Robotics and Control : Theory and Practice

with a consolidated score of **64** %

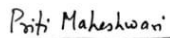
Online Assignments	18.33/25	Proctored Exam	45.92/75
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Total number of candidates certified in this course: **49**



Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Mar 2022
(8 week course)



Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No:NPTEL22ME05S33300079

To validate and check scores: <https://nptel.ac.in/noc>

We are proud to proclaim that Mr. Hariharan, Second year student, Department of Electronics and Communication Engineering has completed a NPTEL course on **Robotics and Control: Theory and practice** and has procured “Elite” certification.

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PRIDE MEETING



Dr Josh Kumar, Professor, Department of Electronics and Communication Engineering conducted **Agni PRIDE coordinators weekly meeting** to discuss about the current action and future plans to be implemented.

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FACULTY PARTICIPATION



Dr. Narendranathan S K, Head, Mr. Shankar A, Assistant Professor, faculty members, Department of Aerospace Engineering has presented a paper in **IEEE International conference on Electronic Systems and Intelligent Computing (ICESIC 2022)** at Vel Tech University, Chennai.

STUDENT ACHIEVEMENT



Ms. Abinaya, Ms. Jency Olivia, Ms. Subiksha P, Ms. Sabthami B, Ms. R. Keerthana second year students, Department of Information Technology have successfully completed various online course technical courses provided by Great Learning Academy.

STUDENT ACHIEVEMENT



V. Dharaneeswaran, M. Gurusamy, second year students, Department of Computer Science and Engineering have successfully completed various online course technical courses provided by Great Learning Academy.

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STUDENT ACHIEVEMENT



Sachin. L, II Year student, Department of Information Technology has successfully cleared level 4 assessment for the job role of Customer Care Executive organized by ITC company in association with Skill India.