Key Indicator 3.3.5 : Research Publication and Awards

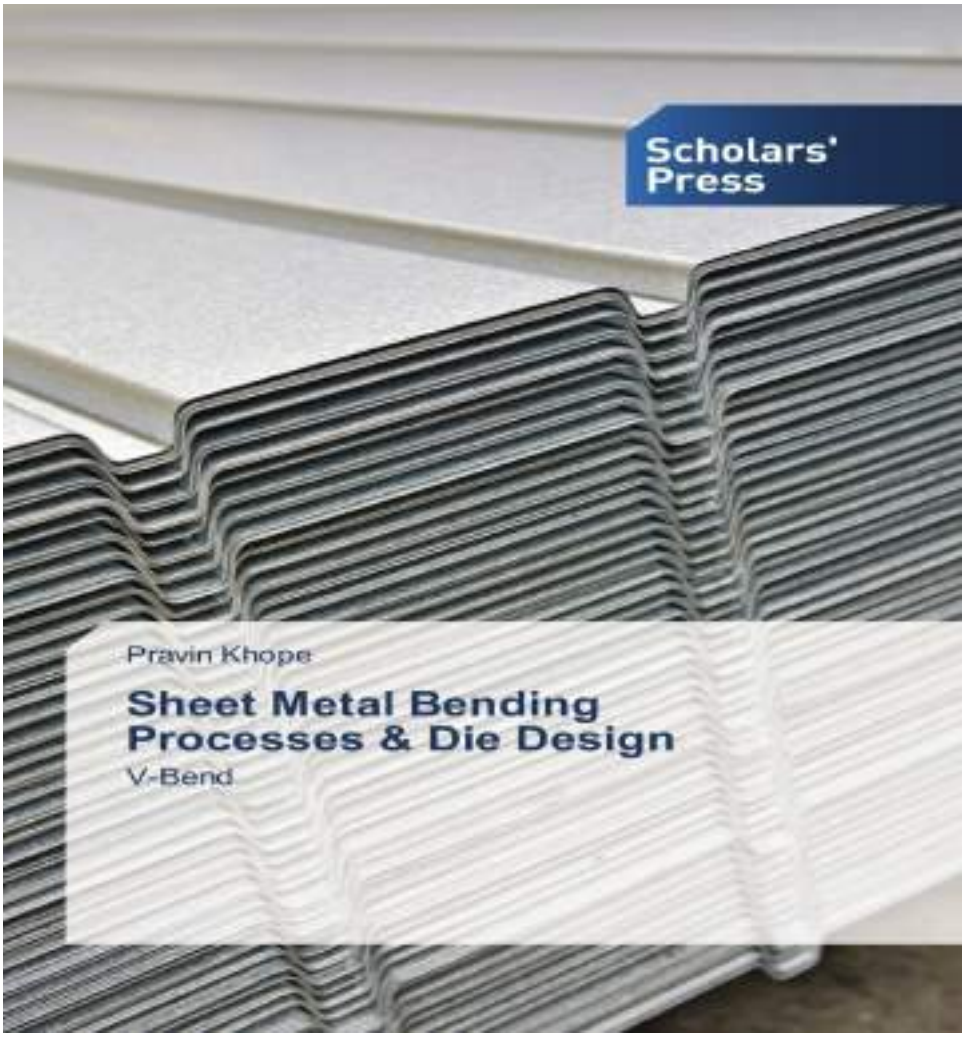
Key Indicator	Metric Number	Particulars
3.3	3.3.5	Number of books and chapters in edited volumes/books published and papers in national/ international conference-proceedings per teacher during last five years

INDEX

PRIYADARSHINI COLLEGE OF ENGINEERING
CRITERIA NUMBER III
RESEARCH, INNOVATION AND EXTENSION

Sample of books published in 2016-17

S. NO.	Name of Teacher	Title of the book/chapters published	Year of publication	ISBN/ISSN number	Name of the publisher	Relevant Link
1	Dr. P. B. Khope	Sheet Metal Bending Processes and Die Design	2017	ISBN 978-620-2-30875-5	Scholar's Press, Mauritius.	https://www.scholars-press.com/catalog/details//store/gb/book/978-620-2-30875-5/sheet-metal-bending-processes-die-design



Sample of papers in national/ international conference-proceedings 2016-17

S. NO.	Name of Teacher	Title of paper	Title of the proceedings of the conference	Name of the conference	ISBN/ISSN number	Name of the publisher	Relevant Link
2	Mrs. S.S.Golait	Handwritten Marathi Compound Character Segmentation using Minutiae Detection Algorithm .	Science Direct Proceeding Computer Science	International Conference on Real-Time Software Engineering ,2016 at Chennai	1877-0509	published by Elsevier	https://www.sciencedirect.com/science/article/pii/S1877050916304598

ELSEVIER

CrossMark

Available online at www.sciencedirect.com

ScienceDirect

Procedia Computer Science 87 (2016) 18 – 24

Procedia Computer Science

2016 International Conference on Computational Science

Handwritten Marathi Compound Character Segmentation using Minutiae Detection Algorithm

Mrs. Snehal S. Golait[a], Dr. Latesh Malik [b]

[a]Research Scholar ,Department of CSE,

G.H.Raisoni College of Engineering,Nagpur

[b] Professor &Head ,Department of computer Science & Engineering ,

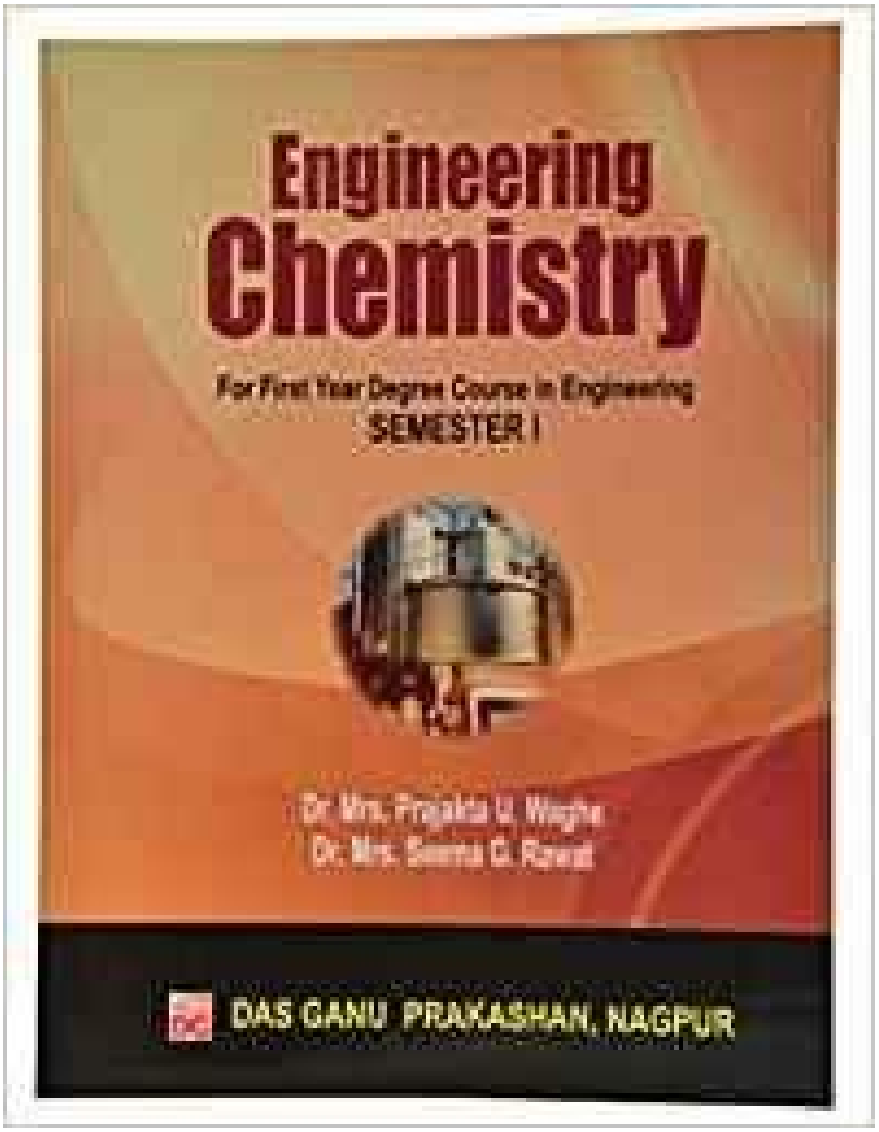
G.H.Raisoni College of Engineering,Nagpur

Abstract

Segmentation process is the heart of handwritten Script Identification system. Aside from the large variation of individual's handwriting, many researchersfound difficulty to separate characters from scanned word document Image. The key factor of selection of segmentation algorithm is used to improve efficiency of character segmentation as well as good feature extraction. One of the feature of Marathi script is Compound Character, derived from Devnagari, occur rarely in the script. Segmentation of such type characters is very difficult due to their complex structure. This paper proposed new technique for segmentation of handwritten Marathi compound characters. The Proposed algorithm used the concept of Minutiae extraction for fingerprint for segmenting the compound character. Basically Segmentation is carried out using morphological operations such as erosion and dilation. For segmenting the character from compound character our aim to find termination point and bifurcation points. And for finding the termination and bifurcation point proposed algorithm used the morphological operation hit or miss transform. The experimentalresults shows 90% accuracy in finding termination and bifurcation points.

Sample of books published in 2015-16

S. NO.	Name of Teacher	Title of the book/chapters published	Year of publication	ISBN/ISSN number	Name of the publisher	Relevant Link
3	Dr. Mrs. S. G. Rawat	ENGINEERING CHEMISTRY	2016	ISBN: 978-93-84336-22-6	Das Ganu Publications, Nagpur	https://www.amazon.in/Engineering-Chemistry-Dr-Mrs-G-Rawat-Dr-Mrs-Prajakta/dp/938433622X



PRIYADARSHINI COLLEGE OF ENGINEERING
CRITERIA NUMBER III
RESEARCH, INNOVATION AND EXTENSION

Sample of papers in national/ international conference-proceedings 2016-17

S. NO.	Name of Teacher	Title of paper	Title of the proceedings of the conference	Name of the conference	ISBN/ISSN number	Name of the publisher	Relevant Link
4	Prof. Mrs. P.S. Bogawar	A Novel Approach for the Identification of Writing Traits on Email Database	India international conference on information processing	India international conference on information processing	978-1-4673-6984-8	IEEE digital xplorer	https://ieeexplore.ieee.org/document/7975382/

A novel approach for the identification of writing traits on email database

2 Author(s) Pranjal S. Bogawar ; Kishor K. Bhoyar **View All Authors**

Abstract

Document Sections

I. Introduction

II. Literature Survey

III. Problem Statement

IV. Implementaion

V. Experimentation Results

Show Full Outline

Abstract:
Trait is a particular characteristic that can produce a particular type of behavior. The email which is written communication medium among the people is the source, to identif[1]y the writing traits of the person. This paper proposes a novel approach to identify the writing traits of person from their email communication. The proposed technique is combination of an unsupervised k-means clustering algorithm and rule based system to classify the traits of email writer. We classified the email writers into three categories as perfect writer, average writer and casual writer. The experiment was carried out on Enron's email data set. This experiment is helpful to predict the writing behavior of a person which will be helpful in identifying an email writer or improve his/her writing style.

Published in: 2016 1st India International Conference on Information Processing (IICIP)

Date of Conference: 12-14 Aug. 2016

INSPEC Accession Number: 17029463

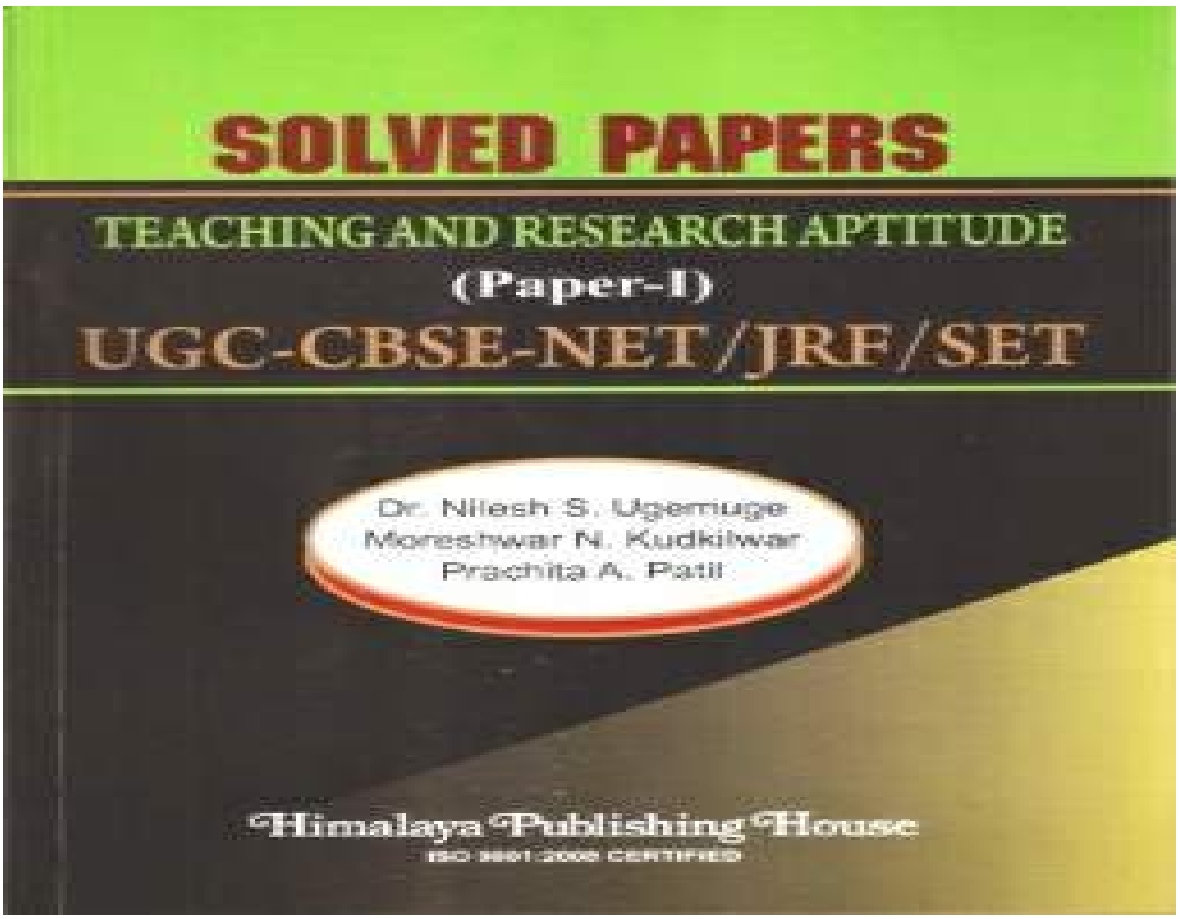
Date Added to IEEE *Xplore*: 13 July 2017

DOI: 10.1109/IICIP.2016.7975382

PRIYADARSHINI COLLEGE OF ENGINEERING
CRITERIA NUMBER III
RESEARCH, INNOVATION AND EXTENSION

Sample of books published in 2014-15

S. NO.	Name of Teacher	Title of the book/chapters published	Year of publication	ISBN/ISSN number	Name of the publisher	Relevant Link
5	Dr. N. S. Ugemuge,	"Solved Papers: Teaching and Research Aptitude for Paper-I of UGC-NET/SET"	2015	978-93-5142-971-5	PCE	http://www.himpub.com/BookDetail.aspx?BookId=2521&NB=eYZEwalLmkS3A6IE{PLUS}Av9ecNpPpy{PLUS}tdCAVnW9619IYmxn1mKW/rsxYAdsZp3XkQl646EPaNlBd2NsmoKtm0vBOFAylehUh8VDX1enb1OsMHw0q0aZlHZglk{PLUS}kjuu3BBzG&Book_TitleM=Solved%20Papers%20-%20Teaching%20and%20Research%20Aptitude



PRIYADARSHINI COLLEGE OF ENGINEERING
CRITERIA NUMBER III
RESEARCH, INNOVATION AND EXTENSION

Sample of papers in national/ international conference-proceedings 2014-15

S. NO.	Name of Teacher	Title of paper	Title of the proceedings of the conference	Name of the conference	ISBN/ISSN number	Name of the publisher	Relevant Link
6	Mr.V.G.Girepunje	Development of Low Power cardiac telemetry System	International Conference on Communication Networks (ICCN)	IEEE International Conference on Communication Networks (ICCN)	978-1-5090-0051-7/15	IEEE	https://ieeexplore.ieee.org/document/7507435/

Development of low power cardiac telemetry system

2 Author(s) V. G. Girhepunje ; Santosh D. Chede View All Authors

Abstract

Document Sections

I. Introduction

II. Proposed Low Power Telemedicine System

III. Microcontroller Unit (MSP 432)

IV. Low Power Sensor Study

V. Results

Abstract:
The recent development in the era of physiological instrumentation is to avoid the long duration hospitalization with the help wearable remote monitoring systems. Low power and portability along with the speed and high performance are the main issues related with such system design and their development. In this paper a wearable data acquisition system capable to measure body parameters like temperature, ECG signal and heartbeats is developed and experimented. Module functionality is realized using low power digital sensors and an ultra-low power, high performance cortex core MSP 432 microcontroller unit. Bluetooth and GSM module is used for wireless real time signal transmission. Comparative power measurements in terms of voltage and current are also done for the realized wearable module.

Published in: 2015 International Conference on Communication Networks (ICCN)

Date of Conference: 19-21 Nov. 2015

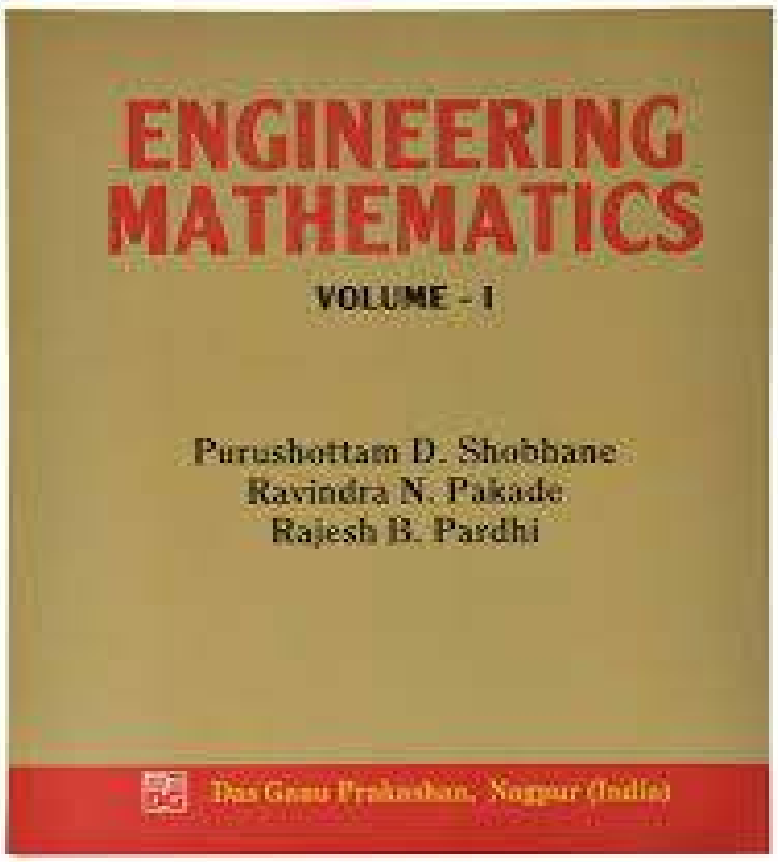
INSPEC Accession Number: 16139711

Date Added to IEEE *Xplore*: 11 July 2016

DOI: 10.1109/ICCN.2015.27

Sample of books published in 2013-14

S. NO.	Name of Teacher	Title of the book/chapters published	Year of publication	ISBN/ISSN number	Name of the publisher	Relevant Link
7	Mr. R. N. Pakade	Engineering Mathematics	2014	978-93-81660-74-4	Das Ganu Prakashan	https://www.amazon.in/Engineering-Mathematics-Ravindra-N-Pakade-Purushottam/dp/9381660743



Sample of papers in national/ international conference-proceedings 2013-14

S. NO.	Name of Teacher	Title of paper	Title of the proceedings of the conference	Name of the conference	ISBN/ISSN number	Name of the publisher	Relevant Link
8	Mrs. S.S.Golait	Review on feature extraction technique for hand written Marathi compound character recognition.	International Conference on Emerging Trends in Engineering and Technology	International Conference on Emerging Trends in Engineering and Technology	978-1-4799-2561-2	IEEE Explorer	https://ieeexplore.ieee.org/document/6754794/

Review on Feature Extraction Technique for Handwritten Marathi Compound Character Recognition

2 Author(s) Snehal S. Golait ; L.G. Malik **View All Authors**

144 Full Text Views

Abstract

Document Sections

1. Introduction
2. Preprocessing
3. Segmentation
4. Feature Extraction
5. Classification

Show Full Outline

Abstract:
This paper give a short review on feature extraction technique for Handwritten Marathi Compound Character recognition. The ultimate goal of designing a handwriting recognition system with an accuracy rate of 100% is quite illusionary, because even human beings are not able to recognize every handwritten text without any doubt. Compound characters which are one of the features of Marathi script, derived from Devanagari, occur frequently in the script. Recognition of these characters faces challenges to the researchers due to their complex structure. This paper presents a different feature extraction techniques for recognition of unconstrained handwritten Marathi compound characters.

Published in: 2013 6th International Conference on Emerging Trends in Engineering and Technology

Date of Conference: 16-18 Dec. 2013

INSPEC Accession Number: 14196928

Date Added to IEEE *Xplore*: 27 March 2014

DOI: 10.1109/ICETET.2013.33

Sample of books published in 2012-13

S. NO.	Name of Teacher	Title of the book/chapters published	Year of publication	ISBN/ISSN number	Name of the publisher	Relevant Link
9	Dr. P. M Adkine	"Engineering Chemistry	2012	978-93-5097-564-0	Himalaya Publications, Nagpur	https://bookshopofindia.com/search.asp?action1=default&bookid=9146903