

SUMMER 2018

Department of Computer Engineering
NEWSLETTER



Shanti Education Society's
A.G. PATIL POLYTECHNIC INSTITUTE, SOLAPUR

In this issue

- Academic performance, co and extra curricular activities
- Expert Lectures, Industrial Visits
- Workshop Conducted ,MoU, Faculty achievements and Other Achievements of Faculty
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- “Raspberry PI based reader for Blind”
- College Intake Information



Welcome

On behalf of department of Computer Engineering I take opportunity to welcome you all to our department.

Our department is NBA accredited in A.Y. 17-18 and got the excellent remark from EAMC.

As per our vision our team strive to persistently improve educational environment in our department. We are always engaged in the activities for overall development of our students with various aspects like technical education, self-motivation, ethics and personality. As the field of Computer is ever-changing, we arrange various additional workshops, seminars and expert lectures for our students and motivate them to pursue advanced graduate studies so that they can cope-up with challenging industrial context.

Mr.H.D.Ingle
Head of the Department

Vision

To create skilled and technically competent diploma computer professionals to meet the need of industry, business & society.

Mission

- 1.To cope up with rapid changing technology in the field of Computer Engineering. .
- 2.To build team work, innovation & professionalism among students.
- 3.To develop competency for meeting needs of business & society.

Program Educational Objectives (PEOs)

- 1.To practice as computing professionals conducting research, designing, developing and maintaining projects in various technical areas.
2. To apply the ethical and social aspects of modern computing technology to fulfill the needs of society.
- 3.To work effectively as a team member and/or leader in an ever changing professional challenges.

Find us....

18/2/2 A, Vijapur Road, Opp. SRP Camp, Solapur-8.

Tel: 0217-6450740, 2341899 **Web: www.agppi.com**

Toppers for Academic Year 17-18

First year



JADHAV VAISHNAVI
91.69%



KULKARNI PRAVEEN
90.30%



CHALWADI SUHAS
83.59%

Second year



SHAIKH SANA
87.60%



SHENDE SNEHAL
87.21%



PAWAR SUVARNA
81.78%

Third year



VIJAPURE SHOAIB
86.69%



NAGANSURE DEVASHISH
86.44%



SITAL RAKSHANDA
84.56%

Co-Curricular and Extra Curricular Activities

1. Mr. Ishwar S. Havagi ,Mr. Shyam K. Dhage, Mr. Anil S. Irakshetti, Mr. Onkar M. Patil (T.Y) won First Prize in Technical Paper Presentation held in college.
2. Mr. Ishwar B. Havagi ,Ms. Rakshanda V. Sital (T.Y.) won First Prize in Technical Event Scrabble (Quiz Competition) held in college.
3. Mr. Shaikh Sohel,Mr. Shaikh Nasaruddin,Mr. Shaikh Wasil,Mr. Shoib Shaikh,Mr. Inamdar Haroon (S.Y.) won Third Prize in Gladiator (Counter Strike Gaming Competition) held in college.
4. Ms. Neha Patil (S.Y.) won First Prize in Gladiator (NFS (Girl) Gaming Competition) held in college.



SoftInsignia v.18 Project Competition



SoftInsignia v.18 Technical Quiz Competition



SoftInsignia v.18 Group Presenting in Technical Paper



Prize Distribution SoftInsignia v.18



SoftInsignia v.18 Event-Paper Presentation



SoftInsignia v.18 Prize distribution

Industrial Visits

Third year students visited to the following industries during their academic year.

- 1.Srujan Foods Pvt Ltd, Solapur on 09/09/2017.
- 2.ACME Infovision,satara on 09th and 10th march 2018.

While visits for Second Year Students were carried out to following industries.

- 1.Solar Electronics,hotagi Road on 26/08/2017.



Industrial Visit at Srujan Foods Pvt.Ltd

Solar Electronics,hotagi Road

Expert Lectures

1. Expert Lecture on Latest Trends in Database Systems by Mr.Deshmukh A.D. for Second Year Students on 28th Aug 2017.
2. Expert Lecture on Computer Networking by Mr.Takalkaki M for Third Year Students on 27th Dec 2017.
3. Expert Lecture on Big Data Analytics by Mr. Pulse M.A. for Third Year Students on 5th March 2018.



Expert Lecture on Latest Trends in Database Systems

Expert Lecture on Computer Networking

Workshops Conducted

- Technical Workshop on HTML5 and CSS for second year students on 20/01/2018 by Mr. Chalwadi and Mr. Sunil sir.



1.Mr.Chalwadi Sir guiding students



2. Mr.Sunil sir guiding the students

Memorandum of Understanding (MoU)

1. Intellisoft Computer Consultants Pvt Ltd. Solapur on 20-12-2017.
2. Advent Technologies, Solapur on 03-10-2017

Faculty Achievements (Workshops/Training Attended)

1. Ms. Chavan G.S. and Ms. Agrawal V.R. attended industrial training program at M/s L & T Mahape ,New Mumbai on 19th July to 21st July 2017.
2. Mr.Ingle H.D. attended training on Web Accessibility for IT Heads & Administrators at Yashvantrao Chavan Academy of Development Administration,Pune on 27th July to 29th July 2017.

Other Achievements by Faculty Members

- 1.Mrs Kate S.A. has successfully completed M.E. from Savitribai Phule,Pune University,Pune.
2. Ms. Chavan G.S. has successfully completed M.E. from Solapur University,Solapur.
3. Mrs.S.A. Kate has published papers on “(E-AggNN) Implementation of Effective and Efficient Algorithm for flexible aggregate similarity Search on Recommender System.”
- 4.Mrs.S.A. Kate has published papers on An efficient indexing structure for ensemble classification of the data stream using forest-tree mechanism.



“Advanced Exam Object Management System”

During examination the staff has to face lots of problems and during that period there is chance of mistake, so by considering this problem of faculties we are developing a website where staff can organize and manage the entire examination activities. This website will allow the user to allocate the students block wise considering their numbers. It also provides the facilities of setting examination details, report, time table etc..

We provided total three login IDs i.e. Super Admin, Officer Incharge, Data Entry which will separate the work according to their type, for example Super Admin will create user profile and will set examination details and this user is only responsible for resetting the entire database. Another user that is Officer In charge will give the details of all appearing students for examination and it will allow you to allocate those students block wise and it will also provide the related reports like attendance report, annexure-G, annexure-H.

The last user Data Entry will help you to upload the seating chart and time table and it will put you the students in detained list.

Our project makes is totally based on advanced features of exam system. We have made certain improvements in examination period, staff can allocate the student block wise by their seat numbers and this project also help to get the report generated. also it is used to upload the time table and seating chart.

There are numbers of modules which can be used in and they are Super User- Create user, Set examination detail, Reset. Officer In charge- appearing student detail. Block detail, reports. Data Entry- exam timetable, seating chart, question paper inventory, detained students list numbers.

Basically this project is used by institute and colleges to manage the whole examination activities. Due to this the manual work and the mistakes where occurring while examination all those are reduced.

By using our website, a staff can manage the whole exam system. the main constraint of our project are client should be connected to xampp server to do all the activities related to exam system. Certain improvements in examination period, staff can allocate the student block wise by their seat numbers and help to get the report generated.

Our project can be used in the areas like -

- In organizing and managing the examination.
- It can be used to arrange the seat numbers block wise.
- It is useful for colleges or institutes in order to organize examinations.

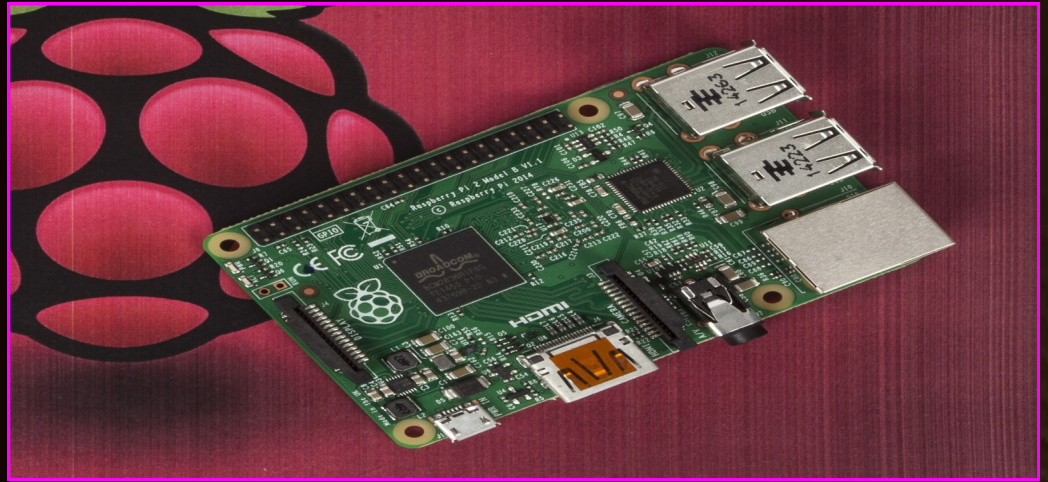
Group Members

1. Jadhav Aishwarya B.
2. Munureddy Pragati J.
3. Mophare Mrunal N.
4. Dupargude Diplata Y.

Project Guide

Mr. Sable R. V.

“Raspberry PI based reader for Blind”



Addressing the issues of the people with Visual, Hearing and Vocal Impairment through a single aiding system is tough job. Many modern day researchers focus on the issues of one of the above challenges but not all.

The work focuses on finding the unique techniques that aids the visually impaired by letting them hear what is represented as text and it is achieved by the technique that captures the images through a camera and converts the text available as a voice signals. The paper provides the way for the people with hearing impairment to visualize or read which is in audio form by speech to text conversion technique and we also provides a way for the vocally impaired to represent their voice by the aid of text to voice conversion techniques.

All these three solutions

were modulated to be in a single unique system. All these activities are coordinated with the use of raspberry Pi. The visually impaired people are helped by the process in which image to text and text to speech is given by the Tesseract OCR (Online Character Recognition). The deaf people helped with the process of an app which makes them to understand what the person says can be displayed as a message.

Vocally impaired person can convey their message by the text so that the other person can hear the message in the speaker.

RPBR consist of five major hardware components that is camera, speaker, raspberry Pi3, power supply ,I/O system.

Our project constraints are it requires good quality camera and power lighting and the text should be greater than 16ptx and the font size should be Times New Roman and also require a

internet for Image Processing.

This project's main objective was to create a device that helps blind people to hear any text that's in front of them which they can't read because of being visually impaired.

This device can be used or even integrated in different areas and devices like-

A wheelchair that guides the user about any obstacles or gives direction to it.

As a voice guider for Blind peoples.

Can also be used in software's which can act as Narrator to the Blind people.

Group Members

1. Jadhav Mandar S.
2. Koli Sandip M.
3. Kulkarni Shardul S.
4. Shaikh MD. Saqlain A.

Project Guide

Mr. Ingle H.D.



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Approved by : All India Council for Technical Education (AICTE), New Delhi

Recognized by : Government of Maharashtra

Approved by : Directorate of Technical Education (DTE), Mumbai

Affiliated to : Maharashtra State Board of Technical Education (MSBTE), Mumbai

COURSES OFFERED IN DIPLOMA ENGINEERING

Discipline	Intake Capacity	Duration of Course
Mechanical Engineering	120	3 YEARS
Electronics and Telecom. Engineering	60	3 YEARS
Civil Engineering	60	3 YEARS
Computer Engineering	60	3 YEARS
Information Technology	60	3 YEARS
Total Intake	420	

