

Department of Computer Engineering

NEWSLETTER

SUMMER 2019



Shanti Education Society's

A.G. PATIL POLYTECHNIC INSTITUTE, SOLAPUR.

ALL PROGRAMS ARE NBA ACCREDITED



Welcome

Computer Engineering is a discipline that integrates several fields of computer science and electrical engineering required to develop computer hardware and software. Computer Industry is one of the full grown and still fastest growing industries in the world today.

Technology being a global phenomenon, the computer industry today is employing millions of the people to shoot up business or for entertainment.

Department of Computer Engineering is prepared to meet the challenges and is playing a leadership role in shaping the education of the 21st Century by providing unique educational and research opportunities in the forefront of Computer Engineering and their applications.

This year also department maintained the reputation in academic performance with placing the student in different organizations by training and placement cells.

Mr. Ingle H.D.
(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.

In This Issue

- Academic performance 2018-19
- Co and extra curricular activities
- Expert Lectures, Industrial Visits & workshops
- Departmental Events
- MoU and Faculty achievements
- Faculty Publications
- Implant Training 2019-20
- Departments Best Projects for A.Y. 2018-19

Third year



MS. SHAIKH SANA
94.03%



MS. SHENDE SNEHAL
89.34%



MS. PAWAR SUVARNA
87.01%

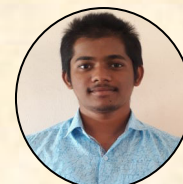
Second year



MR. KULKARNI PRAVEEN
91.66%



MS. JADHAV VAISHNAVI
91.53%



MR. BHOSALE ADITYA
87.4%

First year



MR. VRUSHANK HUMNABDKAR
92.85%



MS. SHAIKH FREENSABA
88.05%



MS. MANE SHRADDHA
87.05%

- Mr. Pratik Shringarpure, Ms. Vaishnavi Jadhav(S.Y) won **Second Prize** in Technical Paper Presentation held at Maulana Azad Polytechnic. Solapur.
- Ashitosh Dange, Aditya Bhosle(S.Y) won **Second Prize** in Technical Paper Presentation held at A.G. Patil Polytechnic Inst. Solapur.
- Mr. Yash Hirve, Mr. Pratik Shringarpure, Mr. Sammed Pawar, Mr. Omkar Manglurkar (S.Y.) won **Third Prize** in Counter Strike Gaming Competition held at Orchid College of Engineering Solapur.
- Ms Diksha Sabale, Ms. Sakshi Hazare (S.Y.) won **Third Prize** in Quiz Competition held at A.G.Patil Polytechnic Institute., Solapur.
- Mr. Yash Hirve, Mr. Pratik Shringarpure, Mr. Sammed Pawar, Mr. Akash Chavan (S.Y.) won **First Prize** in Counter Strike Gaming Competition held at BMIT College of Engineering. Solapur.
- Mr. Touqeer Shaikh(T.Y.) **First Prize** in C Programming Competition held at A.G.Patil Polytechnic Institute., Solapur.
- Ms Jagtap Pranita, Ms. Swami Megha (T.Y.) won **Second Prize** in Quiz Competition held at A.G.Patil Polytechnic Institute., Solapur.
- Ms Shaikh Sana (T.Y.) won **First Prize** in Quiz Competition held at A.G.Patil Polytechnic Institute., Solapur.
- Ms Jamadar Rida (T.Y.) won **First Prize** in Interview Mania Competition held at A.G.Patil Institute of Technology, Solapur.
- Ms Jamadar Rida (T.Y.) won **Second Prize** in Pick n Speak Competition held at A.G.Patil Institute of Technology, Solapur.

Industrial Visits

- Gokul Automated Milk Processing Unit, MIDC Kolhapur.
- Srujan Foods Pvt Ltd. MIDC Chincholi, Solapur.
- Guru Computers, Solapur.



- Expert Lecture on Latest trends in Computer Networks by Mr. Aniket Shingade for Third Year Students.
- Expert Lecture on Computer Security by Ms. Mithapalli for Third Year Students.
- Expert Lecture on Hardware and Networking by Mr. Kunait Mulla for Second Year Student.
- Expert Lecture on Personality Development & Interview Techniques by Mr. Kulkarni S.V. for Third Year Students.
- Expert Lecture on Latest trends in Robotics and Machine Learning by Mr. Vishal Vhatkar for Third Year Students.
- Three Days Workshop on Word press for Third Year Students.
- MSBTE sponsored SAP training program.
- Conducted Entrepreneurship Awareness Camp 'EAC' for TY students.



Expert Lectures/Workshops

• Soft Insignia v.19

Department of Computer Engineering has mission “To cope up with rapid changing technology in the field of computer engineering” in order to follow mission, eight state level event named Soft-Insignia V.19 was arranged on 09th January , 2019.

Soft-Insignia V.19 is a State level activity which includes three Events:

1. Scrabble (Quiz Competition)
2. Pirates of C (Programming Competition)
3. Gladiators (Gaming Competition)

No of Beneficiary = 193



• Engineering Day

In remembrance of **Sir Mokshagundam Vishweshwarayya**, the most outstanding Engineer of all times, the engineering fraternity of India celebrates “Engineer Day” every year on 15th September. Engineers operate at the interface between science and society. To identify the great works done by our hard working engineers every year, 15th September is celebrated as “Engineer’s Day” marking the birthday of **Sir Mokshagundam Vishweshwarayya**, recognizing his contributions in the field of hydro power energy in India.

Memorandum of Understanding (MoU)

During this academic year department has made two Memorandum of Understanding (MoU) with,

- Devagya IT Services, Solapur.
- DACWAY INFOTECH, Solapur.

This will help our students to improve their practical knowledge by easily visiting these industries.

Faculty Achievements

Workshops/Training Attended

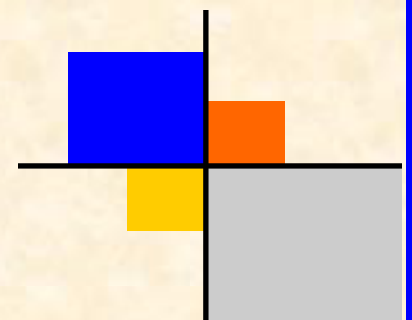
- Mr. Sable R. V. attended 03 days Industrial Training Program at NIELIT, Aurangabad.
- Mr. Ingle H. D. attended 05 days FDP on Digital India at SVERI's college of engg. Pandharpur.
- Ms. Patil P.S. attended 03 days FDP on IOT at L&T Mumbai.
- Ms. Shabade S.D. attended 03 days FDP on IOT at L&T Mumbai.
- Mr. Patil T. L. attended 05 days FDP on Digital India at SVERI's college of engg. Pandharpur.

Paper Publication

- Mr. Ingle H.D. , Mr. Sable R.V. Published Paper on "Recent Trends In Virtual Reality and Computer Graphics" in International Journal of Advanced Research in Computer and Communication Engineering.
- Mr. Patil T.L Published Paper on "Secure Cloud Storage System by Integrating Trust With Role Based Access Control and Cryptographic Algorithm" in Springer publication.
- Ms Chavan G.S. Published Paper on "Authorized Data Availability with Secure Deduplication Framework using Hybrid Cloud" in International Journal of Advanced Research in Computer and Communication Engineering.
- Mr. Dudhagi S.S. Published Paper on " A Review Paper on Crossbar.IO" in International Journal of Innovative and Emerging Research in Engineering.
- Ms. S.D.Shabade Published Paper on " Control Cloud Data Access Privilege and Anonymity with Fully Anonymous Attribute-Based Encryption" on International Journal of Trend in Research and Development.

Other Achievements

- Mr. Ingle H.D. Designed a Online Quiz using Google Forms for SSC appearing students.
- Mr. Sable R.V. Designed a Lab Manual For The Subject Data Communication and Networking Subject for the SY Computer Engineering Students.



Implant Training for Students

Duration: 06 Weeks

Name of Industry with Detail Address	Industry Specialization	No Of Beneficiary	Name of Responsible Person (Industry) With Designation	Duration of Training
Dacway Infotech, RN Goli Tower, Ashok Chowk, Solapur-413005	IT Industry	25	Mr. Vipul Nashte, Managing Director	05 May 2019 To 15 June 2019
Ashwath Infotech, 164/1 Railway Line Near Rang Bhavan, Solapur-413001	IT Training Company	19	Pratap Bhosale, Manager	05 May 2019 To 15 June 2019
Infinity In- fotech, Near Huma Medical, Saat Ras- ta, Solapur	IT Training Company	17	Mr. Kunait Mulla, Managing Director	05 May 2019 To 15 June 2019
siddhi computers, Navi Peth Solapur	IT Training Company	04	Mr. Kiran Katte Managing Director	05 May 2019 To 15 June 2019

• REMOTE MOBILE ACCESS"



Abstract:

RMA defines "Remote Mobile Access". This is an android.

The objectives of this application are, To based mobile application. This application helps in make convenient way for accessibility of data. controlling different assortments of one android remotely through SMS communication and Internet & gadgets from another android gadget. This To develop

fully fledged android application which application is made for giving remote accessibility to could be able to successfully provide remote idle mobile or android gadget. This application needs accessibility of data. The academic Objectives of this SMS communication as well as Internet for some application are, To learn the process of Android functions of remote access. A mobile phone to send Application Development of Mobile & To understand, and receive text message with Wide area, High How an android application works and their reliability, High popularity, Easy development, Low implementations. expenditure and other characteristics using Android and Short message service (SMS) technology.

The Technology Platform of RMA are as, The Using network platform of short message, Mobile Platform of RMA will be the "Android". The messages can be sent and received between two Application Development Framework of RMA will be mobile phones. To develop this application which "Android". The Developing Language is "Java" & The works without internet, we can access our User Interface Language is "XML". The Android API android phone remotely.

Level of RMA is 23 and It's above levels. SQLite will be the Database of RMA. The reasons for choosing If your mobile phone is not available at the Android as a developing platform are: Android is open moment and you need to call a person urgently whose source platform, All development tools for android is contact number is not available at that in-

Implemented By:

Mr. Ronak Nawagire CO-320

Mr. Sagar Kamble CO-309

Ms. Megha Swami CO-321

Ms. Janvhi Parkhe CO-332

Under the Guidance of

Mr. Ingle H.D.

Dept. of Computer Engineering

• Enhanced Campus Automation System



Abstract:

This project is aimed at creating efficient software portal addressing the grievances of the students/faculty members for various purposes like documents issues, library issues, leave application and any other issues which makes problem for students, staffs. To develop a system that

will be developed in all the placements providing university/Collage a placement platform for their campus. Also can be used in many different platforms to improve the obstacles that have been raised. A college campus automation system that consists of a student login, admin login and principle login. The software system allows the students to create their profiles and upload all their details including their complaints, Bonafied certificate, leave application etc.

- Considering this, we have undertaken Enhanced Campus Automation System (ECAS) as our project. Our project makes certain significant
- improvements in the traditional client-server architecture so as to support much smarter features, the traditional client-server architecture lacks.

There are number of applications which can be used within this tool. They are as follow: 1. Students and faculty members can equally participate. This can be fully customized to serve the needs of your Institution with more features as well. 2. Enrollment, Bonafied application, leave application and Processes are made easy. Documents and online submission form gives an advantage for your institution over others. 3. Powerful website for colleges and universities help you to Increase enrollment and gain a competitive edge. 4. The college management system allows you to store as much Content as you want. 5. This app is useful to reduce the time required as well as the paper Work for students, staff and Principle.

Implemented by:

Ms. Shruti K. Patil CO-318

Ms. Sneha S. More CO-314

Ms. Snehal S. Patil CO-310

Ms. Neha H. Patil CO-317

Under the Guidance of

Mr. Sable R.V.

Dept. of Computer Engineering



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ALL PROGRAMS ARE NBA ACCREDITED

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
Computer Engineering	60	3 YEARS
Civil Engineering	60	3 YEARS
Electronics and Telecom. Engineering	60	3 YEARS
Mechanical Engineering	120	3 YEARS
Total Intake	300	