

SUMMER 2022

Department of Computer Engineering

NEWSLETTER



SHANTI EDUCATION SOCIETY'S

A. G. PATIL POLYTECHNIC

INSTITUTE, SOLAPUR

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Welcome



It gives me an immense pleasure to present this issue of newsletter of Computer Engineering Department.

This newsletter is a snapshot of various activities and advancements made in the computer department.

I am feeling proud to say that our department has got an “**NBA Accreditation**” in A.Y. 2017-18

and got “**Excellent**” remark from EAMC MSBTE, Mumbai.

As per our vision our team strives 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.

I hope that this newsletter will be a platform for showcasing the achievements and efforts of the faculty and students of computer department. I look forward to many more upgrading issues of the newsletter in coming future.

My best wishes always!

Mr. Patil T. L.

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.

Academic Results

High Flyers



Congratulations...!!!

Third year

Name of Student	Percentage	Rank
Adhyapak Soham Chandrakant	95.31%	First
Shaikh Shaarika Mohamad Rafique	92.63%	Second
Shinde Rohit Dilipkumar	91.03%	Third

1st Rank



2nd Rank



3rd Rank



Second Year

Name of Student	Percentage	Rank
Parabkar Vaishnavi Prakash	89.40%	First
Kshirsagar Shivani Anil	87.19%	Second
Koli Samarth Siddharam	86.73%	Third

1st Rank



2nd Rank



3rd Rank



First Year

Name of Student	Percentage	Rank
Palli Pushkaraj Santosh	90.50%	First
Jahagirdar Aabha Nandkumar	88.89%	Second
Shaikh Aman Awez	87.89%	Third

1st Rank



2nd Rank



3rd Rank



Co curricular Activities:

- Mr. Soham Adhyapak, Ms Shaikh Shaarika from TY CO, Secured 1st Prize in 'Quiz Competition' event at Abhijit Kadam Institute of Management & Social Sciences, Solapur.
- Mr. Soham Adhyapak, Ms Shaikh Shaarika from TY CO, Secured 1st Prize in '12th National Level Technical Paper Presentation "Annum2K22" Competition' held on 14th May 2022 at AGPPI Solapur.
- Mr. Soham Adhyapak, Mr Tejas Kellurkar, Ms Shaikh Shaarika, Ms Patil Vaishnavi from TY CO, Secured 2nd Prize in 'APCOER Technothon Online Project Competition' Held on 6th & 7th May 2022 at Anantrao Pawar College Of Engineering And Research Pune.
- Mr. Rohit Shinde, Mr Samarth Thakka from TY CO secured 3rd Prize in E2Logic 2K22 Project Competition held on 14th May 2022 at college of engineering pandharpur.
- Mr Aarish Anis Saifan, Mr Shaikh Arman from TY CO Secured 1st Prize in Group4 held on 6th & 7th May 2022 at Anantrao Pawar College Of Engineering And Research Pune.
- Ms Mane Apurva from TY CO secured 3rd Prize in Yoga Competition held at AGPPI Solapur.
- Mr. Rohit Shinde, Mr. Yash Bhadkumbe, Mr Tejas Kellurkar, Mr Ketan Bhogshetti from TYCO secured 1st prize in group VI in APCOER technothon online apper competition held on 6th & 7th May 2022 at Anantrao Pawar College Of Engineering And Research Pune.
- Mr Vedant Dheshpande From TY CO secured 2nd prize in web page designing competition held on 30 April 2022 at Vidya Vikas Pratishthan Polytechnic Solapur.
- Mr. Rohit Shinde, from TY CO secured 2nd prize in E2Logic2K22 by ENTC held on 14th May at college of engineering pandharpur.
- Ms. Abha Jahairdar from FY CO secured 3rd prize in ANNUM 2K22 held on 14th May at AGPPI Solapur.



Events Organized :

- Conducted Entrepreneurship Awareness Camp 'EAC' for TY students on 23/04/2022
- Arranged online Dandiya And Garba Competition for girls on 13-10-2021.
- Arranged online Madhubani Painting Competition for girls on 15-12-2021.
- Arranged 'ANNUM-2K22' National Level Paper Presentation Event on 14/05/2022
- Arranged "Marathi Bhasha Din" On 26-02-2022 .
- Arranged "Challenges for youth & sexual harassment" for FY & SY students held on 05-03-2022 .

Memorandum of Understanding (MoU)

During this academic year department has made three 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

Master Talks (Expert Lectures)

- Expert Lecture on "Cloud Storage" by Mr. Rakesh Bhakta (Infrastructure Engg. Cognizant, Pune) for third year students.
- Expert Lecture on "Recent Trends in IT" by Ms. Pooja Mhetre (SAP Consultant, NTT India.) for second & third year students.
- Expert Lecture on "Project Design and Management by Mr. Waseem Attar (Director, Info-stack Research and training Center, Solapur) for third year students.
- PHP Workshop (3 Days) by Mr. Vipul Nashte (M.D Dackway IT Solu. Pvt. Ltd, Solapur) for third year students.
- Industrial Visit "Dacway IT Solutions Pvt. Ltd. Solapur" by Mr. Vipul Nashte (M.D Dackway IT Solutions Pvt. Ltd, Solapur) for second year students.



Faculty Achievements

Workshops/Training Attended

- Attended FDP on “3D Interaction Design using AR-VR”, “Teaching Pedagogy”, “Transforming Teaching Learning Process Through Modern Pedagogical Techniques” by Mr.Patil T.L.
- Attended FDP on “Role of Teacher in creating Effective Learning Environment for Students” , Research Paper Writing & I. P. Rights”, “3D Interaction Design using AR-VR”, “NBA Orientation”, “Python Programming” by Mr.M.M.Kulkarni.
- Attended FDP on “NBA Orientation”, “Mobile Application Development”, “Python Programming” by Mrs.Patil Y.P
- Attended FDP on Induction/Refresher Program on “Internet of things” by Ms. Shinde S.G.
- Attended FDP on “NBA Orientation” “Mobile Application Development” FDP on “Python Programming” by Mrs .Kumbhar S.S.
- Attended FDP on “NBA Orientation” , “Mobile Application Development” , “Python Programming” by Ms. Jadage S.L.
- Attended FDP on “Python Programming” ,FDP on “Arduino Programming” by Ms.Agarkhedkar M.M.
- Attended FDP on “Python Programming ” by Ms. Sachdev J.C.

Campus Placements



Mr. Arman Shaikh from Third Year Computer Engineering got selected in “Infosys” as “System Associate” with package of 2.2 lakh per annum.

Best Project of the Year



Abstract:

The main purpose was to demonstrate how we can add a payment gateway to any website using Razorpay. The department has recently completed a major effort in restructuring and refining its departmental goals, objectives and operations in preparation. In order to streamline the process of encryption, decryption and how payment integration actually works, we have developed Webbased application in order to demonstrate the payment signature with proper security. This was developed and designed to present how an Online transaction works and how we can verify whether transaction is fraud or not.

The Payment gateway is integrated in Django website using two keys such as private key and public key which is generated at Razorpay side. An assistive chatbot interface is also provided for the users to know the information about this website and to solve the queries of the users. This chatbot is implemented using Dialogflow and that model is being trained for real-time users. Keywords: Payment Gateway, API Integration, end-to-end Transactions

Introduction:

Integrate Razorpay Standard Checkout with your website to start accepting online payments from your customers. Razorpay supports a various modes of payment methods such as net banking, credit and debit cards, wallets and UPI. Our Standard Checkout library provides all the essential features for integrating Razorpay Checkout with the client-side of your application. This is available only for web-based integrations. For this purpose, a special framework of python “Django” is used. As Django follows the principle of “Model-View-Template” architecture, it is possible to demonstrate the three-layer architecture in payment gateway integration. The main focus is to use most of the open-source data efficiently. Razorpay is an open source and easy interface for processing online transactions. It provides standard checkouts for your website to start accepting online payments from customers. Razorpay supports various payments such as UPI, Net Banking, Credit and Debit cards, QR code. Evaluating the technical feasibility is the trickiest part of a feasibility study.



Shanti Education Society's
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“ALL PROGRAMS 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
 An ‘Excellent’ Grade awarded by MSBTE, Mumbai

Discipline	Intake Capacity	Duration
Mechanical Engineering	60	3 years
Electronics and Telecom. Engineering	60	3 years
Civil Engineering	60	3 years
Computer Engineering	60	3 years
Electrical Engineering*	60	3 years
Total Intake	300	

