DEPARTMENT OF INFORMATION TECHNOLOGY

NEWSLETTER (JUL18-DEC18)

Goddess Saraswati

EDITORS:-

Dr. Manjusha Deshmukh (Principal)

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About Department:-

"VISION"

TO CREATE TECHNICALLY QUALIFIED TALENT THROUGH RESEARCH TO TAKE UP CHALLENGES IN INDUSTRIES.

"MISSION"

1. TO IMPART QUALITY EDUCATION
2. TO DEVELOP TECHNICAL AND MANAGERIAL SKILLS THROUGH TRAINING AND MODERN TEACHING-LEARNING PROCESS.

From The H.O.D's Desk:

The Department of Information Technology has consistently maintained an exemplary academic record. The greatest asset of the department is its highly motivated and high experienced and knowledgeable faculty. The Department has been consistently working towards the goal of providing world class education in the field of IT, while addressing the problems of today and tomorrow. We are glad to announce seventeen issue of our newsletter for academic year 2018-2019 aimed to closer interactions and enrich our student's talent and efforts. The objective of the newsletter is to mainly focus on the achievements of the students and faculty members of Information Technology department in curricular, co-curricular and extra-curricular activities.

PROGRAM EDUCATIONAL OBJECTIVE:

➢ To embed a strong foundation of Information Technology Engineering fundamentals to identify, solve, analyze & design real time Engineering problem as a professional or an entrepreneur for the lifelong learning & research benefit of society

➢ To motivate & prepare students for lifelong learning & research to manifest global competitiveness.

➢ To equip students with communication, team work & leadership skills to accept challenges in all facets of life ethically.

PROGRAMME OUTCOME:

➢ Apply the knowledge of Mathematics, Science, Engineering fundamentals to solve complex Information Technology Engineering Problems.

➢ Identify, formulate and analyze Information Technology Engineering problems to derive conclusion using first principles of mathematics and Computer Science.

➢ Investigate complex Information Technology engineering problems and find appropriate solution leading to valid conclusion.

➢ Design IT systems, components or processes to meet specified needs with appropriate attention to health, safety, standards, environmental and societal consideration.

➢ To create select & apply appropriate techniques, resources advance engineering & software tools necessary to analyze & design Information Technology Problems.

➢ Understand the impact of IT Solutions on society and environment for sustainable development.

➢ Understand social, safety, culture and legal issues and responsibilities relevant to engineering profession.

➢ Apply professional ethics, accountability and equity in engineering profession.

➢ Work effectively as a member and leader in multidisciplinary team for a common goal.

➢ Communicate effectively within a profession and with society at large.

➢ Appropriately incorporate principles of Management & Finance to one's own work.

➢ To identity Educational needs & engage in lifelong learning in a changing word of technology.
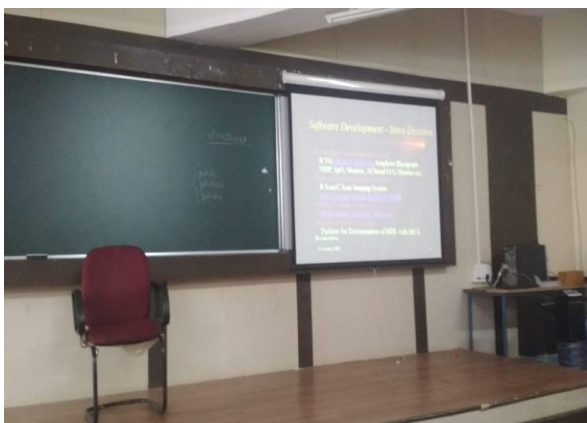
SEMINAR ON PROJECT:

The Department of Information Technology of Saraswati College of Engineering organized a seminar on "Project". Event was honored by presence of Mr. Rajesh Kumar Jain. He has handled more than 10 BRNS projects till now for various research applications.

All BE students were participated in this seminar.

Main objective of this seminar was to introduce latest project areas and technologies in which students can work on their BE project. To understand real time problem statements. The idea behind the seminar is to familiarize student more extensively with the real time project scenarios. Students were made aware of recent research areas. Projects seminar covered project management training areas like project scope and gathering requirements; creating a project plan. Project methodology was introduced.

ADVANCE PYTHON WORKSHOP:

The one day **"ISCP Workshop on Advance Python"** was conducted under IIT Bombay. The ISCP (Institute Students Companion Program) is IIT Bombay Post Graduate (PG) student community. Its primary objective is to develop an atmosphere of cordial interaction amongst the PG entrants and the PG seniors. It will encourage the flow of information, knowledge, and sharing of experiences among the students. The workshop is conducted based on video Lectures where Mr. Ramchandran is the speaker and the students follow the instructions by executing the programs and commands.

Objective:

The objective of the workshop is :
To make students learn and have hands on experience on IPython and Plotting, saving scripts, plotting list, Numphy arrays, Basic Scipy, IPython Notebooks

Outcome:

1. Students got hands on experience on IPython and Plotting, Saving Scripts,

plotting list, Numphy arrays, Basic Scipy, IPython Notebooks.

They provided an extra video which consist of Problem solving exercise questions which allow students to solve and learn advance python deeply. They also conducted Q&A through online assistance **https://appear.in** and quiz session of 15mins for every session through their online portal **https:yaksh.fossee.in/exam** and the certificates will be provided with grades based on the quiz exams

 Image of Online Quiz Conduction.

TECHNICAL SEMINAR ON "ANGULAR":

The Department of Information Technology of Saraswati College of Engineering organized a seminar on "ANGULAR". The seminar has been organized for third year students of our department for making them aware about application of .Net and Angular in Industry. Speaker addressed about coding

in Unity IDE. **63 students** were participated in this seminar. The seminar was conducted based by **Mr. Tejas Kasare-** Intellect Technologies as speaker. He is B.Tech in computer engineering and have work experience in IIT Delhi as Research and Development Engineer. He is Developer/Trainer/Designer in Intellect Technology and working areas are: c, c++, c#, core Jave, advance Java, Kotlin, PHP, and have working experience in database field also.

Workshop Objectives:

1. Prepare students to understand importance of Angular Technology.

2. Setup a Programming Environment for Angular.

3. Preparing Third year student to make their career Project by using Angular.

4. Students will build Angular form for their project.

After completion of this seminar students are able to apply the technical knowledge

1. Understand importance of .Net and Angular from career point of view.

2. Practically learned about how to develop a Angular form.

3. Learn how to code using Script Language.

SEMINAR ON IOT FOR WASTE MANAGEMANT:

The Department of Information Technology of Saraswati College of Engineering organized a seminar on "IOT FOR WASTE MANAGEMENT". The seminar has been organized for third year students, **70 students** were participated in this seminar. The seminar was conducted by Mr. Kiran Marekar as speaker. Mr. Kiran Marekar is a technical consultant in Sharjah Environment LLC Beeah, with more than 18 years of experience with 10 plus years of experience in SAP ABAP. He has huge working experience in different companies in USA, DUBAI, EUROP and INDIA. He has experience in Web Dynapro, ABAP, ALE & IDOC, integration using XI/PI.

Topic covered during seminar –

- Introduction to IOT
- IOT technologies
- Application Development Platform Overview
- IOT: Solutions and deployment experiences
- IOT and Smart Cities
- Waste management through IOT

After the successful completion of lecture students were able to:

- Develop applications in IOT using various technologies.
- Understand, analyze and apply IOT for smart cities and for better and comfort living of human beings.

SEMINAR ON WORDPRESS:

The Department of Information Technology of Saraswati College of Engineering organized a seminar on "Wordpress" under the CSI. The seminar has been organized for third year students, **34 students** participated in this seminar. The seminar was conducted by Mr. Ashish Deshpande.

WordPress is a free content management system used to build and maintain websites. Its ease of use and unique blogging features have helped it become the most popular blogging tool on the web.

After the successful completion of seminar students were able to:

Create a WordPress website and how to set it using various tools provided by wordpress.

SEMINAR ON MICROSOFT AZURE:

The Department of Information Technology of Saraswati College of Engineering organized a seminar on "Wordpress" under the CSI. The seminar has been organized for third year students, **34 students** were participated in this seminar. The seminar was conducted by Mr. Pankaj.

After the completion of this seminar student have knowledge about Azure, a cloud platform for building, deploying, and managing services and applications, its platform as a service (PaaS) model, Infrastructure as a Service (IaaS), How to build a virtual network and deliver services, virtual machine, SQL Database, Azure Active Directory Domain services.

SEMINAR ON MACHINE LEARNING:

The Department of Information Technology of Saraswati College of Engineering organized a seminar on "Machine Learning". The speaker is Mr. Pankaj Pawar from Aptech training institute. Mr. Pankaj Pawar completed his PHD from IIT Madras and have working experience in industry as well as in machine learning, python, Data mining. He worked on many Industrial AI project.

The main objective of this course is :
To help students learn, understand, and practice big data analytics and machine learning approaches which include the study of modern computing big data technologies and scaling up machine learning techniques focusing on industry application.

Topics Covered:

1. Difference between AI and Machine Learning
2. What is Deep Learning
3. Need of Data mining and Machine Learning
4. What is the use of Machine Learning
5. Real time examples of Artificial Intelligence
6. Useful Trends in present day market like Python using data science

CONTRIVANCE 2018:

The Department of Information Technology of Saraswati College of Engineering organized a *CONTRIVANCE 2018.* Focusing mainly on third year students. It was organized first time to encourage and provide opportunity to third year students as well.This was a mini project competition on Internet of Things and Internet Programming.

Chief Guests:

1.Akash Ghag- IOT
Working as an 'Oracle Apps DBA' with "SS&C Advent", having 4.7 years of relevant experience, since April 2014, till date.

2.Namrata S Pawale- IP
Working as Associate software engineer ,Bigdata developer-ProtegrityIndia ,Inc

Event had overwhelming response in terms of participation. We had participants from IT departments of SCOE and from other colleges as well. Total 33 groups had participated.

Main objective of this competition was to provide a platform to third year students to showcase their talent, research orientation, technical skills and creativity. The goal of this competition is to prepare the future generation of engineers not only problem solvers but to be innovative leaders and responsible citizens. Project enables students to transform their

learning into knowledge, knowledge into action, action into practice. Technical project competition allows students to practice soft skills while reinforcing their engineering knowledge.

SAIT INAGURATION:

Department of IT organized an event for inauguration of Student's Association of Information Technology on 5th October 2018followed by a very first event under SAIT "Contrivance-2018"- A IOT and Web technology based project competition. It was conducted under CSI

Chapter of SCOE. SAIT is the platform for the students of department for organizing various activities for student's enrichment. It can include different co-curricular and extracurricular activities.

Inauguration done by Principal madam Dr. Manjusha Deshmukh by ribbon cutting followed by Saraswati pooja. Ceremony was blessed with the presence of our alumni and judges for Contrivance –2018 Mr Akash Ghag and Miss. Namrta Pawle.

Principal madam motivated and congratulated all coordinators and participants for their contribution. Main attraction of program was launching of the TEASER of SAIT
President of SAIT Mr. Rahul Jena.

SAIT Team:

Name of Post	Name of Student
President	Rahul Jena
Vice-President	Shashank Shrivastav
Secretary	Rohan Ghodake
Treasurer	
Technical Head	Yash Sarjekar
Cultural Coordinator	Akanksha Tiwari
TPO Coordinator	Anish Yadav
Industrial Visit Coordinator	Siddharth Kirti
Magazine Coordinator	Sheetal Dharerao
Sports Coordinator	PranaliVhadage
Paper & Project Coordinator	Himanshu Saroj Ankit Varma

EXCEL WORKSHOP:

The department of information Technology had organized the Excel workshop for supporting staff. Prof. Vrushali Thakur conducted this workshop for two day. Excel workshop was organized for supporting staff, more than 50 staff participated in workshop with great response.

Topic covered in workshop are :-

1.The basic function of Excel

2.Generation of all types of graphs.

3. Sorting and filtering.

4. Data management- vlookup, marging, applying formulae.

JAVA AND .NET TRAINING:

The department of information Technology had organized the training on JAVA and .NET. Java training was organized under the guidance of Prof. Vrushali Thakur and Prof. Pravin Shinde. 62 students from final year IT and CSE attend this training, scheduled on Thursday and Friday for 2hr. Overall 36 lectures were conducted .

Topic Covered in JAVA training:-

1. Basic JAVA.
2. Core JAVA.
3. Hibernet.

.NET training was organized under the guidance of Prof. Diksha Kumar. 50 students from final year IT and CSE were attended this training.

After the completion of this course students got the knowledge and experience on inheritance concept and its types, interface with abstract methods, packages, polymorphism, multithreading, applet.

Topic Covered in JAVA training:-

1. C#

2. ASP .NET

3. MVC

4. VB.NET

After the completion of this course student will attain an ability to- learn .Net Framework, understand .Net, C#, develop web application using ADO.Net, develop simple application using .Net framework, develop and understand MVC.

PARENTS TEACHER MEETING:

The department of information Technology had organized the PTM on 8th Sep 2018. Total 66 parents attended that meeting.

OTHER EVENTS

1. STUDENT SATISFACTORY SURVEY.

Student satisfactory survey is the application software which is developed by Anjal Afgan student of B.E. Information Technology under the guidance of Prof. Vaishali Jadhav HOD of IT department. This application was developed for college and successfully launched as saraswatikharghar.edu.in/student-satisfactory-survey for taking feedback of pass out students of each Branch.

2. TREE PLANTATION.

Saraswati college of engineering organized the tree plantation program in our college campus, students of IT department was participated in it.

3. FAREWELL OF SANJAY JADHAV SIR

The department of information technology and the students of third year organized the farewell for Sanjay Jadhav sir. Sanjay Jadhav sir was felicited by Vaishali Jadhav ma'am and faculty of IT department.

TOPPER'S LIST:

SE TOPPERS

Sr No	Student	SGPA
1	BEDSE SNEHA	9.23
2	JAGTAP NISHA	8.92
3	BHOSALE PRATIKSHA	8.54

TE TOPPERS

SR NO	STUDENT	SGPA
1	BARANWAL NIKITA	9.08
2	NIKAM AMAN	8.31
	VHADAGE PRANALI	8.31
3	SARJEKAR YASH	87.69

BE TOPPERS

SR NO	STUDENT	SGPA
1	SAVANI PRANAV	8.67
2	PATIL SAMRUTTI	8.33
	SHIRKE HEENA	8.33
3	PATIL SHRADDHA	8.22