TECH TALKS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sreyas Institute of Engineering and Technology

SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dear staff and students

Sreyas Institute,located in the heart of the city,is the result of deliberation and planning of every aspect to create a world class technical educational institution.The campus is located at Nagole,the most happening area in the city of Hyderabad.This proximity helps us in attracting the Beacons of industry to our campus for regular interactions with our students.

The first impression as u enter the sprawling green and verdant campus of Sreyas leaves a lasting impression of innate calm and energizing growth. Our student-centric approach will ensure that Sreyans gain not just depth and breadth in their chosen area of specialization ,but a holistic set of skills that will equip them to face the real world. At very stag,there will e opportunities to expand their boundaries ,with multiple platforms for collaboration and learning.

The infrastructure is absolutely world-class with opportunities to build practical skills in stat-of-the-art laboratories and workshops.The thriving and vibrant campus with its multitude of activities will help them develop a well-rounded and grounded personality that evolves natural. Finally,our intention is to ensure that very opportunity to learn is utilized to the maximum and the end goal is that the student transforms into an individual full of enthusiasm,confidence and knowledge to face global challenges,becoming both individually and professionally successful,as ell as socially responsible.If these are the values you believe in to,you will do well at Sreyas. Bring your dream,drive and determination to Sreyas and we will help you realize your dream.

Sincerely,

Anantula vinay kumar reddy

chairperson Sreyas institute of engineering and technology

It gives me immense pleasure to present second issue of the magazine brought out by the students and faculty and staff of Sreyas family

Magazine of this type provides an opportunity to the members of sreyas fraternity to express with in and outside sreyas campus.

Magazine also showcase talent spectrum of Sreyas Institute of Engineering and Technology encourages students to learn about themselves and their constantly changing environment, while at the same time offering support and guidance as they practice decision-making and social skills.

Anantula Vinay Kumar Reddy
Chairman

FROM COLLEGE

SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

CH.RAVINDRANATH YADAV

At SREYAS, has been prepared to be constantly challenged, whether it is in classroom or outside. You can look forward to being trained by excellent and committed faculty, get hands-on experience in the state of the art technology in world class MNCs and building enduring bonds with your peers the institution aims at encouraging the students to develop master and gain the knowledge to latest technology

By secretary

A.HRIDAY REDDY

SREYAS is about always trying to push the bar a little more, constantly innovating and never standing still. If these are values you believe in too, you will do well at SREYAS. If you have the drive and determination, come to SREYAS and we will help you realize your dreams. sreyas will provide you with all the opportunity and liberty to discover yourself the institution aims at encouraging the students to develop master and gain the knowledge to the technology

By Board Member

A MESSAGE FROM THE PRINICIPAL

By **DR.SURESH AKELLA**

Sreyas institute of Engineering and Technology is established with a vision of nurturing talents.The primary aim of this institution is to provide professional education,In a vibrant atmosphere to deserving students hics

sreyas looks at education not merely in terms of quantity of knowledge ,but in terms of quality of knowledge.That helps from the character of students total formation of individuals in a world of unequal and unjust society

Dear staff and students,

Sreyas Institute of Engineering and Technology is a product of a dream and vision to excel and be a premier institution in the field of engineering. The college has the most modern and best infra structure.

It provides a wide arena for the staff and students to showcase their academic and extracurricular activities.Our endeavor is to provide the students an exhilarating experience. The college is within the city limits yet in the midst of eco-friendly green surroundings. You will find nature and technology blending in our campus.

Sreyas will provide you with all the opportunity and liberty to discover yourself. The institution aims at encouraging the students to develop, master and gain the knowledge to the latest technology and global development. I believe that these will be the best years of your lives. The years you spend in our institution will shape your future and make you an excellent engineer and a wonderful human being.

On behalf of every member of this institution, I welcome you to our college. We will be here to guide and assist you all the way to achieve your goal and excel in all that you do while you are with us.

Respectfully yours,
sri Anantula vinay Kumar Reddy
Chairman ,
Sreyas Institute of Engineering and Technology

WELCOME ON BOARD

Welcome to the New Year! It's so good to have you back!

Vision and Mission of Institute

By chairperson

VISION

To be a centre of excellence in technical education to empower the young talent through quality education and innovative engineering for well being of the society.

MISSION

- Provide quality education with innovative methodology and intellectual human capital.

- Provide conducive environment for research and developmental activities.

- Inculcate holistic approach towards nature, society and human ethics with lifelong learning attitude.

SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Computer Science & Engineering (CSE) is one of the most prominent technical fields in Engineering. The curriculum offers courses with various areas of emphasis on theory, design and experimental work. Subject matter ranges from basics of Computers & Programming Languages to Compiler Design and Cloud Computing.

It maintains strong tie-ups with industry and is dedicated to preparing students for a career in Web. Technologies, Object Oriented Analysis and Design, Networking &. Security, Databases, Data Mining & Data Warehousing and Software Testing.

PEO-1

- Graduate will be empowered with strong fundamental concepts, analytical capability, programming and problem solving skills

PEO-2

- Graduates will be employed or may pursue higher education or undertake research.

PEO-3

- Graduates will lead in their profession with integrity and civic responsibility and a continuous learning attitude.

Sincerely,

CSE DEPARTMENT

CSE DEPARTMENT

MESSAGE TO READERS

Dr.DVSS Subramanyam working as a Professor , had his research on Artificial Intelligence,Software Engineering with security experienced industry for more than 2 years and teaching field for more than 15 years. This magazine provides a platform for students and staff to share information, spread the latest technical knowledge and cultivate right ways that will equip all of us to stay competent in our respective fields of Study and Research.

Dr.DVSS Subramanyam

I believe the CSE discipline has been widely recognized as an essential source and technique for the advancements in all spheres of human Endeavor now and in future.it is my pleasure to congratulate the team that has taken the initiative for producing this magazine. This magazine provides a platform for students and staff to share information, spread the latest technical knowledge and cultivate right ways that will equip all of us to stay competent in our respective fields of Study and Research.

Dr.Goutham

Dr.M.Purushotham working as a Professor , had his research on Artificial Intelligence,Machine Learning & Soft Computing , experienced industry for more than 4 years and teaching field for more than 3 years. This magazine provides a platform for students and staff to share information, spread the latest technical knowledge and cultivate right ways that will helpful in creating and innovating plat-from for students and staff to express there thoughts

Dr.M.PURUSHOTHAM

Dr.Rohit Raja working working as a Professor, had his research on Image Processing , experienced industry For 1.5 years & teaching field for 10 years.I am sure that this annual magazine of cse department will be able to show case the outstanding performance of the students i wish them bright future

Dr.ROHIT RAJA
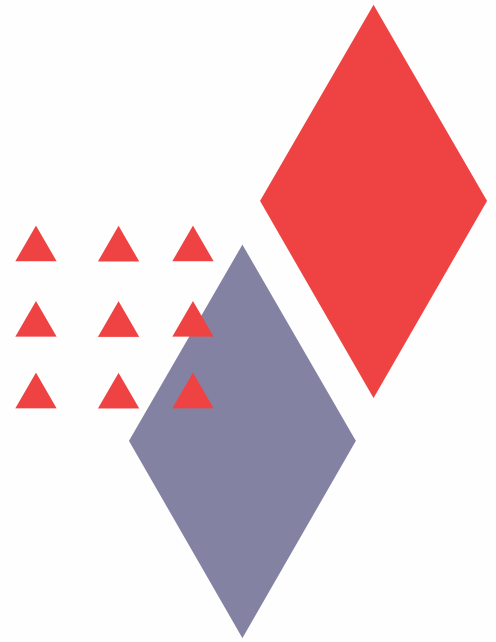
SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

MISSION AND VISSION

VISION

- To excel in computer science engineering education with best learning practices, research and professional ethics.

MISSION

- To offer technical education with innovative teaching, good infrastructure and qualified human resources.
- Accomplish a process to advance knowledge in the subject and promote academic and research environment.
- To impart moral and ethical values and interpersonal skills to the students.

MAGAZINE

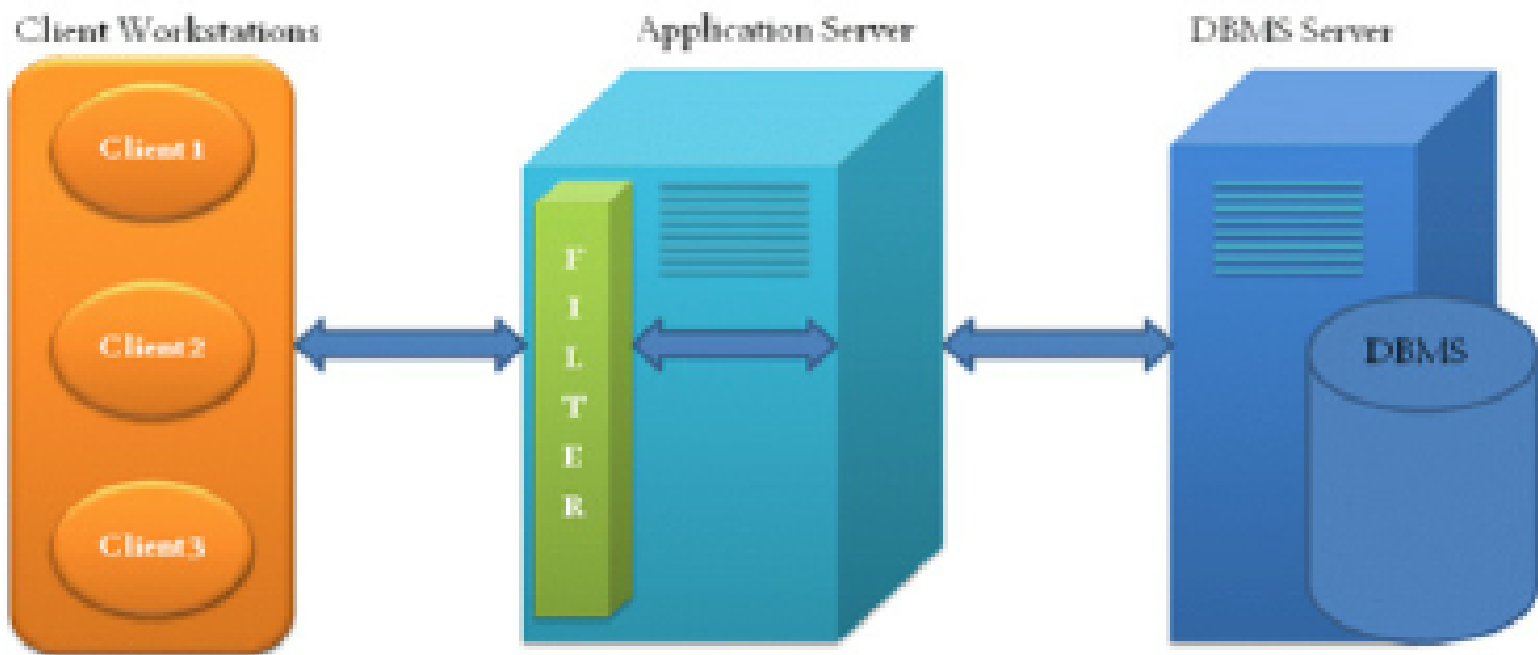# contents

Client Workstations   Application Server   DBMS Server

Database connectivity
With Server Side Program

PPT with practical session
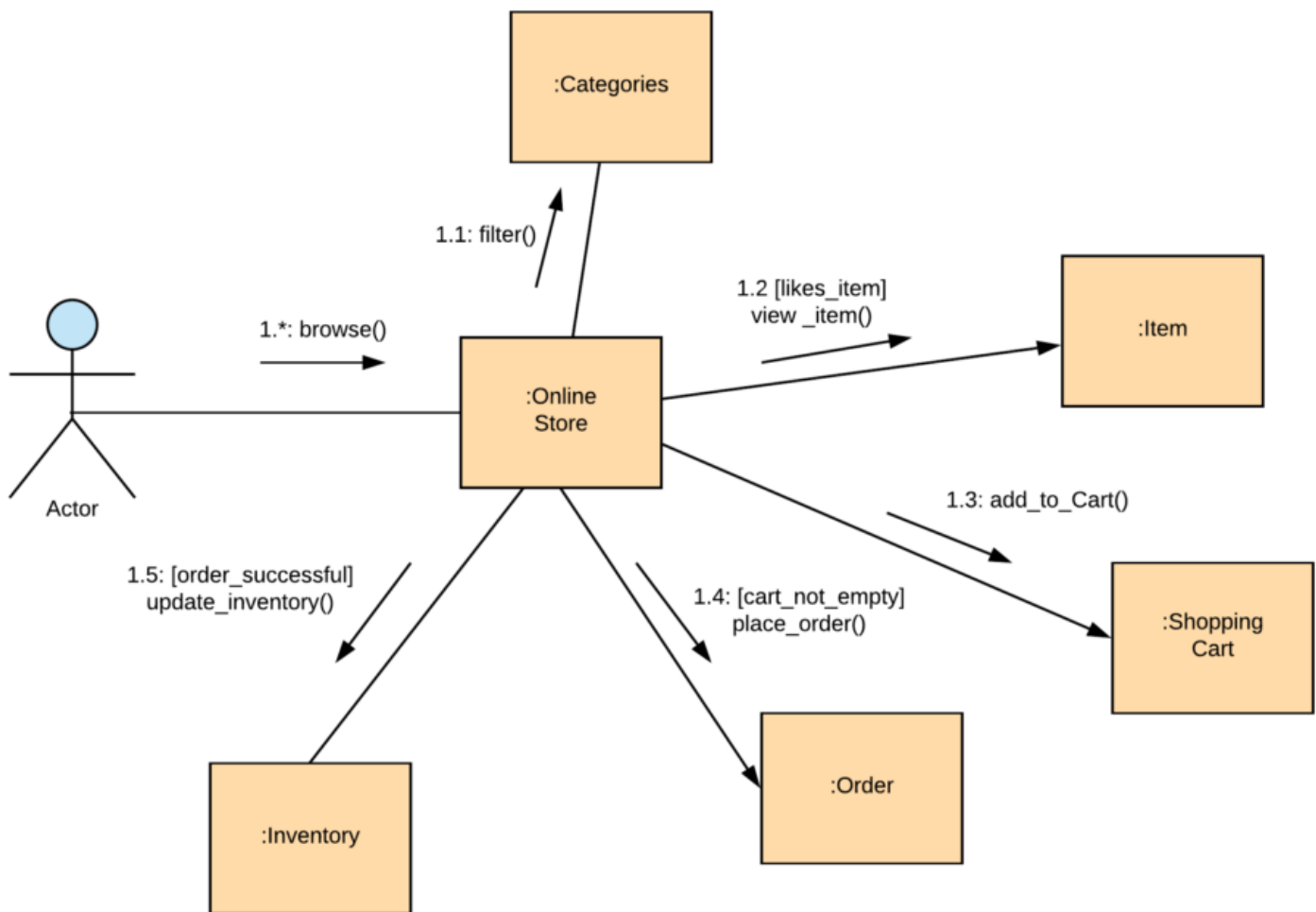
Mrs.M.Deepika
ASSISTANT PROFESSOR

Tlearn how to:
■   Define the technologies through which Web servers provide client access to server-side databases.Describe the three basic kinds of databases and list the steps involved in designing a relational database.Define the purpose of a database connection object and an SQL statement.Describe how server-side scripts use loops and logical expressions to make decisions based on dynamic database content.

H E three-tier Web application model consists of the user in- terface in tier 1, the business object in tier 2, and the back office databases in tier 3

H E three-tier Web application model consists of the user in- terface in tier 1, the business object in tier 2, and the back office databases in tier 3. The first two parts of this book concentrated on what happens in the first two tiers. Now it is time to go behind the scenes and understand what happens in the data tier. Accordingly, this chapter defines the tech- nologies through which Web servers provide client access to server-side databases.
Databases can be flat, relational, or object-oriented. After explaining the pluses and minuses of these three kinds of databases, this chapter steps through the process of creating

s its extensibility; you will understand how a properly de- signed relational database enables you to key new data structures to preex- isting data, thereby enabling the business tier to handle new processes as the site expands its service offerings.The business tier uses server-side programs or scripts to interact with the data tier. This chapter describes how these programs connect to the da- tabase, issue commands to query or update the data, and use computer logic to make decisions based on the contents of the database. Through in- teractions with end-users in the user interface tier, the business tier con- ducts transactions that update d

:Categories

1.1: filter()

1.2 [likes_item]
view _item()

1.*: browse()

:Item

Actor

:Online
Store

1.3: add_to_Cart()

1.5: [order_successful]
update_inventory()

1.4: [cart_not_empty]
place_order()

:Shopping
Cart

:Inventory

:Order

UML Diagrams
Diagrams And Modeling

Dr.M Venkat reddy

ASSISTANT PROFESSOR

UML is an acronym that stands for Unified Modeling Language. Simply put, UML is a modern approach to modeling and documenting software. In fact, it's one of the most popular business process modeling techniques.It is based on diagrammatic representations of software components. As the old proverb says: "a picture is worth a thousand words". By using visual representations, we are able to better understand possible flaws or errors in software or business processes.UML

was created as a result of the chaos revolving around software development and documentation. In the 1990s, there were several different ways to represent and document software systems. The need arose for a more unified way to visually represent those systems and as a result, in 1994-1996, the UML was developed by three software engineers working at Rational Software. It was later adopted as the standard in 1997 and has remained the standard ever since, receiving only a few updates.

What is the use of UML?Mainly, UML has been used as a general-purpose modeling language in the field of software engineering. However, it has now found its way into the documentation of several business processes or workflows. For example, activity diagrams, a type of UML diagram, can be used as a replacement for flowcharts. They provide both a more standardized way of modeling workflows as well as a wider range of features to improve readability and efficacy.UML itself finds different uses in software development and business process documentation:

PUBLICATIONS

- Rakesh Kumar Lenka, Amiya Kumar Rath, Zhiyuan Tan, Suraj Sharma, Deepak Puthal, N V R Simha, Rohit Raja, Shankar Sharan Tripathi, and Mukesh Prasad
  Building Scalable Cyber-Physical-Social Networking Infrastructure Using IoT and Low Power Sensors
  IEEE ACCESS, Vol. 6, Iss. 1, pp. 30162-30173.
  Print ISSN: 2169-3536, Online ISSN: 2169-3536

- Dr. V. Goutham, Dr M V Bramhanandha Reddy
  A Study on Data Center Performance and QoS In Iaas Cloud Computing, Journal of Advance Research in Dynamical And Control System
  (SCOPUS INDEX) Journal of Advance Research in Dynamical System, Issue 7, PP. 829-833,
  ISSN 1943-023X

- Rohit Raja, Tilendra Shishir Sinha, Raj Kumar Patra and Shrikant Tiwari
  Physiological Trait Based Bio-metrical Authentication of Human-Face Using LGXP and ANN Techniques
  Int. J. of Information and Computer Security. (Scopus Index Vol. 10, Nos. 2/3, pp. 303- 320.)
  ISSN online
  1744-1773
  ISSN print
  1744-1765

- Develapalli Shushma, Joshi Padma N, Dr. Suresh Akella
  User Identity Verification for Secure Internet Services using CASHMA.
  International Journal of Research, Vol. 5, Iss. 1,
  ISSN: 2348-6848.

- M. Deepika, Shilpa Rani
  Performance of Machine Learning Techniques for Email spam Filtering.
  International Journal of Resent Trend in Engineering and Research, PP. 245-250, Vol.2, Iss 6.
  ISSN: 2455- 1457

- Deepika Mallampati
  An Efficient Spam Filtering using Supervised Machine Learning Techniques.
  International Journal of Scientific Research, Vol. 6, Iss 2, pp. 33-37.
  ISSN: 2319-7064

- Raj Kumar Patra, Rohit Raja and Tilendra Shishir Sinha
  Extraction of geometric and prosodic features from human-gait-speech data for behavioral pattern detection.
  Part II Published in Springier Book Series, Proceeding Of International Conference on ICACCP 2017, Vol
  ISSN 2194- 5365
  ISSN(P)- 2394-3629

SREYAS INSTITUTE OF
ENGINEERING AND TECHNOLOGY

DEPARTMENT PLACEMENTS

They are also encouraged to present technical papers at seminars in other colleges with a view to improving their research and presentation skills. Also, during the last few years, several personality development programs have been conducted by experts from industry the below are some of the companies who visited .

ZENUS GROUP

PLACEMENTS

BIZZMAARK

"Keep evolving, keep thinking, keep pushing yourself. Stay on top of it."

Faculty of Computer Science & Engineering as advised by the HOD actively involved in assisting Campus recruitament Drive conducted in the campus.Faculty assisted the recruitment team in organizing and conducting of screening tests such as written tests, debates,etc. The recruitment team expressed their regards to the department for timely support in early completing the selection process.

SMART BRIDGE

AN EVENT
ORGANIZED BY OUR
COLLEGE
ON LATEST
TECHNOLOGY
HAPPENINGS
IT BEEN AN
GREAT OPPORTUNITY
TO SREYAS STUDENTS
TO EXPLORE IN
IOT

Traditional Events

FESTIVALS ARE HAPPY PLACES, AND YOU DON'T REALLY WANT TO ENJOY THEM ON YOUR OWN.
SREYAS IS PLACE WHERE YOU GET IT

Message to students

by Harshith sheggam

Graduation day brings with it a roller coaster of emotions for grads and their families alike. It's a time of celebration and achievement. There is reflection on past trials and successes as well as hope for the future.

As a relative or close friend of the grad, you've already done your job of shaping their mind and filling their heart. Now it's time to take a step back and let them shine. All their hard work has trained them for what is to come.

"I'm always excited to go to college despite the workload. Staying positive is the secret"

-by students

A MESSAGE FROM THE EDITORIAL

By Lubna Yasmeen

It gives me Great pleasure to present 3rd edition of CSE Magazine .In the era of internet E-magazines has special significance .This is the quickest way of spreading information to the people. I extend my heartful greetings to all students and the faculty of editorial committee for bringing out the 3rd edition.

A MESSAGE FROM THE EDITORIAL

By A.Swathi

This is SECOND issue of Tech Talk CSE department magazine. As a coordinator it was a challenging to not only live up to the standards but also set new Tech talks is all about the technology that inspires students to do something that leaves an ever lasting mark on the world of technology would like to thank every member of the magazine team with out their contribution this issue would not have been possible.

" Education must not simply teach work – it must teach Life. "

A swathi mam