



SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUH)
Thatti Annaram(v), Bandlaguda, Nagole, Hyderabad - 500068.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

FACULTY DEVELOPMENT PROGRAMME

ON

“ROBOTICS AND AUTOMATION”



01st to 05th MAY 2018

Organized by

Department of CSE

**Sreyas Institute of Engineering and
Technology**

(Thatti annaram(v),Bandlaguda,Nagole,Hyd,500068)

Contact: csehod@sreyas.ac.in

ABOUT THE COLLEGE:

Sreyas Institute of Engineering & Technology was established in the year 2011 under the agencies of Sreyas Educational society.

The Institute endeavors to impart high quality , competency based technical education in Engineering and technology to students with skills and abilities to face challenging needs of industry and society.The Institute is approved by All Indian Council for Technical Education (AICTE), New Delhi and affiliated to JNTUH.

VISION:

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

MISSION:

- 1.Provide quality education with creative methodology and intellectual human capital.
- 2.Provide conducive environment for research and developmental activities.
- 3.Inculcate holistic approach towards nature, society and human ethics with life long learning attitude.

ABOUT THE DEPARTMENT:

The Department of Computer Science and Engineering since its inception in the year 2011 offers programme keeping in pace in technological advancements. Department offers Post Graduate course M.TECH – CSE . Importance to practical training which lay great stress on "hands on" experience besides a sound theoretical background is practiced. Short term courses and technical lectures by eminent professors and professionals are arranged on a regular basis to broaden theknowledge spectrum of students.The state-of-the-art computer centre has over 700 computers with 100 Mbps internet connectivity. The department has highly qualified and experienced faculty to offer both class room teaching and practical instructions.

SCOPE:

The progress in robotics and vision applications is massive and wide spread from industrial automation to defense applications. These fields contribute significantly on future intelligent systems in industry and society. Since next generation industries need engineers with an interdisciplinary attitude and experience to meet the future demands, this FDP is aimed to explore the potential areas and the significance in the fields of robotics and automation.

COURSE CONTENT:

The major areas addressed in this FDP are Robot modeling & control and vision assistance in robotic applications. The topics in this programme are covered with the blend of theory and practice sessions which includes

- Introduction to robotics & automation
- Vision , Control techniques
- Advances in Robotics
- Research Areas

COURSE OUTCOMES:

The course will provide a forum for faculty members to get exposed to the state of the art of research and development in the field of Robotics and Automation. The course will also help to identify future research needs in the interdisciplinary emerging field.

RESOURCE PERSON:

Eminent faculty from academia and industry/ organizations will be handling the sessions.

1. **Dr. V. V krishna** professor,
Vasavi College Of Engineering And Technology.
2. **Mr.G.Shekar Reddy**,
Associate Professor ,
Anurag Group Of Institutions.
- 3.**K.L Anand Babu**
Associate Professor ,
Anurag Group Of Institutions

WHO CAN ATTEND:

Programme is open to Faculty Members from Engineering Colleges/ Arts & Science Colleges/ Polytechnic Colleges of any domain and Professionals from industries

REGISTRATION:

Interested candidates can visit the following link: **www.sreyas.ac.in**

REGISTRATION FEE:

Faculty	: Rs 400
Research Scholar & Industry Persons	: Rs 750

IMPORTANT DATES:

Last date of Registration	: 28.04.18
Notification of acceptance	: 30.04.18

ORGANIZING COMMITTEE:**Chief Patrons:**

Mr.CH,Ravindranath yadav
Secretary

Mr.Ananthula Vinaykumar Reddy
Chairman

Patron:

Dr. Suresh Akella
Principal

Convener:

Dr.D.V.S.S SUBRAMANYAM
HOD/CSE

Co-ordinator(s):

Dr.M.PURUSHOTHAM
Professor Cse

Mr.G.SHRAVAN KUMAR
Associate Professor Cse

For further information, please contact:

Dr.M.PURUSHOTHAM Professor CSE Ph: 7661077153	Mr.G.SHRAVAN KUMAR Associate Professor CSE Ph: 9441926953
-----------------------------------------------------	-----------------------------------------------------------------

REGISTRATION FORM

Name :
(in Capital letters)

Institution / Organization Name :

Designation :

Department :

Address for Communication :

Email id :

Mobile No :

Date :

Signature of the candidate**CERTIFICATE**

This is to certify that is a faculty of our institute and is permitted to attend the Two Day FDP on "Robotics and Automation".

Signature of Head of the Institution
(With office seal)



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

PURPOSE OF FDP

The progress in robotics and vision applications is massive and wide spread from industrial automation to defense applications. These fields contribute significantly on future intelligent systems in industry and society.

Since next generation industries need engineers with an interdisciplinary attitude and experience to meet the future demands, this FDP is aimed to explore the potential areas and the significance in the fields of robotics and automation.

The major areas addressed in this FDP are Robot modeling & control and vision assistance in robotic applications. The topics in this programme are covered with the blend of theory and practice sessions which includes

- ❖ Introduction to robotics & automation
- ❖ Vision , Control techniques
- ❖ Advances in Robotics
- ❖ Research Areas

The course will provide a forum for faculty members to get exposed to the state of the art of research and development in the field of Robotics and Automation. The course will also help to identify future research needs in the interdisciplinary emerging field.



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068





SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

RESOURCE PERSONS PROFILE

Dr V Venkata Krishma

B.Tech (ECE) from SV university Tirupati

M.Tech(CS), PhD (CS) from JNTU Hyderabad.

Teaching Exp: 30 years of teaching

Worked as Hod, principal, Dean, BOS member at various reputed Institutes-- MGIT, VVIT, GIET (RJY), VJIT(Hyd) Nisitha college of Engineering. Presently working at Vasavi college of engineering, Hyd as professor in IT.

Published nearly 60 papers in National international journals, conferences.

Guided 06 PhDs and guiding 04.

Visited more than 15 colleges as NAAC peer team member for grading.

Areas of interest: Digital Image Processing, Data Communications, Computer Networks, Compiler Design. Computer Vision.





SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

G. Sekhar Reddy, MCA, M.Tech (CSE), (Ph.D)

H.NO: 1-4-19/103, Balaji Residency,
Sri Nageswar Colony, Kothapet, Hyderabad.
Mobile: 7075838340

Email: golamari.sekhar@gmail.com

D.O.B: 28/08/1977

Career Objective:

Seeking a challenging career with a progressive organization, where my knowledge and experience can be shared and enriched.

Educational Qualifications:

Ph.D : Pursuing Ph.D from Acharya Nagarjuna University.

M. Tech : M. Tech (CSE) with 63% from SRTIST affiliated to JNTUH in 2010.

MCA : MCA with 70% from Andhra Loyola College affiliated to NU in 2002.

Technical Knowledge:

Programming Languages : C, C++, COBOL.

ETL Tools : Informatica.

Testing Tools : Win Runner, Qtp.

Database/RDBMS : Oracle 10g.

Teaching Experience:

Having **11 years** of teaching experience.

Presently working as an Assoc. Professor in Anurag Group of Institutions.



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

Courses Taught	Organization	Roles & Responsibilities	Audience	Duration
DBMS,OOAD,OS, C&DS, C++.	Scient Institute of Technology, Ibrahimpatnam.	1) Guided UG students to carry out projects 2) Time table Coordinator	MCA. B.Tech (CSE). B.Tech (IT).	From July 2004 to June 2011.
DBMS, OS, STM, CG.	Anurag Group of Institutions, Ghatkesar.	1) Class incharge. 2) Mini project incharge. 3) Guided UG students to carry out projects.	B.Tech (IT).	From June 2011 to till date.

Workshops/FDPs Attended:

1. Attended one-week FDP on “Soft Skills” organized by Department of Science & Technology and Electronics & ICT Academy, NIT, Warangal at Anurag Group of Institutions, Hyderabad.
2. Attended four-week AICTE FDP on “Use of ICT in Education for Online and Blended Learning” organized by IIT Bombay, Under AICTE at Anurag Group of Institutions, Hyderabad.



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

3. Attended one-day FDP on “Modern Methods on Software Delivery” at Anurag Group of Institutions, Hyderabad.
4. Attended one-day Innofest at IIIT-H/THub, Hyderabad.
5. Attended two-week FDP on “Introduction to Design of Algorithms” organized by IIT Kharagpur through ICT (MHRD) at Anurag Group of Institutions, Hyderabad.
6. Attended two-day ISTE workshop on “Aakash for Education” organized by IIT Bombay through ICT (MHRD) at Anurag Group of Institutions, Hyderabad.
7. Attended two-week ISTE workshop on “Introduction to Research Methodologies” organized by IIT Bombay through ICT (MHRD) at Anurag Group of Institutions, Hyderabad.
8. Attended two-week ISTE workshop on “Database Management Systems” organized by IIT Bombay through ICT (MHRD) at Anurag Group of Institutions, Hyderabad.
9. Attended one-day workshop on “Microsoft SQL Server” organized by Microsoft & IEG/JKC at Ellanki Institute of Engineering and Technology, Hyderabad.
10. Attended three-day short term orientation programme organized by UGC Academic Staff College of JNTU at Scient Institute of Technology, Hyderabad.

Research Publications:

1. G. Sekhar Reddy, An Effective Approaches for Visualizing BigData, International Journal of Innovations in Engineering and Technology (IJIET), issn: 2319-1058, Vol-7, Issue-2, August 2016.
2. G. Sekhar Reddy, Security Challenges in BigData, International Journal of Research in Electronics and Computer Engineering (IJRECE), issn: 2393-9028, Vol-4, Issue-3, July-September 2016.



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

3. G. Sekhar Reddy, Intrusion Detection Techniques in Mobile Ad Hoc Networks, (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 3 (3) , 2012, 3867-3870.

Personal details

Name : G.Sekhar Reddy.
Father's Name : Thomas Reddy.
Date of birth : 28-0-1977.
Nationality : Indian.
Permanent address : Mattampally (Post & Mandal).
Nalgonda (Dist)-508204.





SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

G. L. ANAND BABU

H.No: 1-1-29 / 165,
Jai Jawan Colony,
Kapra, Ecil Post,
Hyderabad – 500062.

E-Mail Id: anandbabu77@Gmail.Com
Mobile No: 9000537903

Career Objective:

To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge.

Work Experience: *16 years of teaching experience in computer science*

Professional Experience:

- Working as Associate Professor in Department of Information Technology at Anurag Group of Institutions, Hyderabad from June, 2011 to Till Date.
- Worked as Assistant Professor in Department of Information Technology at Nalla Malla Reddy Engineering College from June, 2007 to May, 2011.
- Worked as Assistant Professor in Department of MCA at Pragati MahaVidyalaya P.G College, Hyderabad from July, 2005 to May, 2007.
- Worked as Assistant Professor in Department of MCA at Aristotle P.G Collge, Hyderabad from October, 2004 to May, 2005.

Academic Qualifications:

- Pursuing Ph.D from Osmania University, Hyderabad, (registered in June, 2017), Completed Pre-Ph.D Exam.
- M.Tech (CSE) from Osmania University, Hyderabad in 2009.
- M.C.A from Osmania University, Hyderabad in 2002.
- B.Sc (MPC) from Osmania University, Hyderabad in 1998.



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

*** Qualified in TSSET-2017.**

*** Qualified in FET-2011 Conducted by JNTUH.**

Technical Skills:

Languages : C, C++, Java, Python

Web Technologies : HTML, DHTML, Servlets, JSP

Mobile Technologies : J2ME (Java wireless Tool kit), Android

Databases : MySQL, Oracle 10g.

Subjects Taught

- Unix Programming
- Linux Programming
- Mobile Applications and Development
- Object Oriented Programming through JAVA
- Formal Languages and Automata Theory
- Compiler Design
- Web Technologies
- C & C++

Paper Reviewer & Committee Member:

1. Reviewer for International Conference on Advances in Computational Intelligence and Informatics (ICACII- 2019).
2. Reviewer for Seventh International Conference on Transformations in Engineering Education (ICTIEE 2020).
3. Scientific Committee Member of International Conference on “ Multidisciplinary Perspectives In Engineering & Technology (ICASAE-2019) ”



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

4. Advisory Committee Member for the " International Conference on Computing Communication and Electrical Technologies (ICCCET-2019)" .

Research Publications:

1. **G. L. Anand Babu**, Dr. B. Srinivasu, A Conceptual Based Approach in Text Mining: Techniques and Applications, "International Journal of Innovative Technology and Exploring Engineering (IJITEE)"; 8; 7; 1779-1781; ISSN: 2278-3075, 2019
2. N. Nagalakshmi, **G. L. Anand Babu**, K. S. Reddy, T. Ashalatha, Security Challenges Associated with Big Data in Health Care System, "International Journal of Engineering and Advanced Technology (IJEAT)" ; 9; 1;4057-4060, 2019.
3. B. Pruthvi Raj Goud, **G. L. Anand Babu**, G. Sekhar Reddy, A. Mallikarjuna Reddy; Multiple Object Detection Interface using HSV, Hough and Haar-classifier; "International Journal of Innovative Technology and Exploring Engineering (IJITEE)"; 8; 9; 1512 – 1516; ISSN: 2278-3075, 2019
4. B.Ravi Raju, B.Namratha, **G.L.Anand Babu**, An Approach for Identifying and Preventing Phishing Attacks; "International Journal of Recent Technology and Engineering (IJRTE)" ; 8; 2, 2019
5. **G. L. Anand Babu**, Dr. B. Srinivasu; " **Data Mining-Based Intrusion Detection Mechanism**"; International Journal of Latest Engineering and Management Research (IJLEMR); 2; 6; 73-75; 2455-4847, June, 2017.
6. G.sekhar Reddy, **G.L. Anand Babu**, Dr. K.S Reddy; "**Privacy preserving Data Mining Framework and Techniques**"; International Journal of Latest Engineering and Management Research (IJLEMR); 2; 7; 40-43; 2455-4847, July, 2017.
7. Swathi Agarwal, **G.L. Anand Babu**, G.sekhar Reddy; " **A Survey on Techniques And Its Applications of Text Mining**"; IOSR Journal of Computer Engineering (IOSR-JCE); 19; 5; 16-19; 2278-0661, Sep. - Oct. 2017.



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

8. Swathi Agarwal, **G. L. Anand Babu**, Dr. K. S. Reddy; “**Classification Techniques in Data Mining-Case Study**”; International Organization of Scientific Research (IOSR); 18; 6; 30-33; 2278-8727, Nov – Dec, 2016.
9. **G. L. Anand Babu**, G. Sekhar Reddy, Swathi Agarwal, “**An effective approaches for Visualizing BigData**”, International Journal of Innovations in Engineering and Technology (IJET), issn: 2319-1058, Vol-7, Issue-2, August 2016.
10. **G. L. Anand Babu**, Dr. K. Sudheer Reddy, G. Sekhar Reddy; “**Security Challenges in Big Data**”; International Journal of Research in Electronics and Computer Engineering; 4; 3; 57-59; 2348-2281, July-Sept, 2016
11. **G. L. Anand Babu**, G. Sekhar Reddy, Swathi Agarwal, **Intrusion Detection Techniques in Mobile Ad Hoc Networks**, (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 3 (3), 2012, 3867-3870, 2012.

National workshops / FDPs and Conferences:

- Attended One-Day Faculty Development Program on “**Publishing Engineering Education Research; Are you JEET ready?**” organized by Anurag Group of Institutions, Hyderabad in association with Indo Universal Collaboration for Engineering Education (IUCEE).
- Attended Two-Day Faculty Development Program on “**Value Creation and Ethics**” at Anurag Group of Institutions, Hyderabad.
- One of the **Resource Person in FDP on “Foundation Courses in Information Technology**”, 24th-29th April, 2017 at Anurag Group of Institutions, Hyderabad.
- Attended Two-Day Faculty Development Program on “**Samsung Tizen OS**” Organized by Telangana Academy for Skill and Knowledge (TASK) at CVR College of Engineering, Hyderabad.
- Attended One-week Faculty Development Program on “**Soft Skills**” Organized by Department of Science & Technology and Electronics & ICT Academy, NIT, Warangal at Anurag Group of Institutions, Hyderabad.



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

- Attended Four-week AICTE Faculty Development Program on “**Use of ICT in Education for Online and Blended Learning Organized**” by IIT Bombay, Under AICTE, at Anurag Group of Institutions, Hyderabad.
- Attended Faculty Development Program on “**Design and Implementation of Student Centered Learning**” Conducted by FootSteps and International Institute for Developing Engineering Academics at K.G Reddy College of Engineering and Technology.
- Attended Faculty Development Program on “**IBM Bluemix**” at MLR Institute of Technology, Hyderabad.
- Attended Two-week ISTE STTP on “**Introduction to Design of Algorithms**” Conducted by IIT Kharagpur.
- Attended Three-day Training program on “**IBM SEED (Rational Software Architect)**”, Conducted by IBM Software Group - India.
- Attended Two-week ISTE Workshop on “**Data Base Management System**” conducted by IIT Bombay.
- Attended Two-week ISTE Workshop on “**C Programming**” conducted by IIT Bombay.
- Attended Two-week ISTE Workshop on “**CYBER SECURITY**” Conducted by IIT Bombay.
- Attended Four-day ISTE Workshop on “**Orientation workshop for Aakash Technical Assistant**” Conducted by IIT Bombay.
- Attended Two-day ISTE Workshop on “**Aakash for Education**” Conducted by IIT Bombay.
- Attended Faculty Development Program on “**Deployment of Cloud Services**” at Vasavi College of Engineering, Hyderabad.
- Attended National workshop on “**Mobile Computing**” at Osmania University.
- Attended National workshop on “**Embedded Systems**” at Osmania University.
- Attended Two-day workshop on “**Network Security**” at Osmania University.



SREYAS Institute of Engineering & Technology

(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

- Attended Faculty Development Program “ADHYAYAN” at CBIT Organized by Satyam computers.

Highlights of Major Contributions:

- Conducted One-Day Training Program on “Samsung Tizen OS” to III B.Tech II Sem students.
- Teaching Assistant for Two-week ISTE Workshop on “Aakash Android Application Programming” conducted by IIT Bombay.
- Technical Assistant for Two-day ISTE Workshop on “Aakash for Education” conducted by IIT Bombay.
- Guided 25 Projects for Under Graduate students and 3 Post Graduate students in various Technologies and Domains.

Membership of Professional Bodies

1. Member IAENG – 185222 / 241601 (International membership)
2. Member IFERP - PMIN29610857 (National membership)

