



Reflection Report

Certification Course

LINUX SYSTEM PROGRAMMING

Mr. Palani Karthikeyan

Technical Consultant

Krosum Labs

Bangalore

Organized by

**Department of Computer Science &
Engineering**

29/03/2021 to 08/04/2021

Co-ordinators

Ms. E. Rajalakshmi, AP/CSE

Ms. R. Bhuvaneshwari, AP/CS

Ms. J. Buvana, AP/CSE



About the Course

Certification Course on “Linux System programming” was conducted by the Department of Computer Science & Engineering from 29/03/2021 to 8/04/2021 from 6.30 PM to 8.00 PM. The course was attended by 42-internal participants and 7-external participants. The registration fee of Rs.200/- was collected from the external participants. A total of Rs.1400/- was collected. The participants felt very happy and gave a very good feedback after attending the course.

The resource person for the course was Mr. Palani Karthikeyan, Technical Consultant, Krosun Labs, Bangalore. The participants felt very happy and gave very good feedback after attending the course. The course provided a practical exposure on file management, file locking, process management, timers, resources, signalling mechanisms and IPCs.

The participants were evaluated using 2-MCQs (30 – Marks) and one descriptive test (50-Marks). All the participants were qualified except one participant because of low attendance and for not taking up the descriptive test in the certification course.

The college management has provided Rs.10000 to the course instructor as honorarium.

Content

1. Proforma
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SRI VENKATESWARA COLLEGE OF ENGINEERING
(An Autonomous institution, Affiliated to Anna University, Chennai)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Proforma for the approval of conduction of a Certificate Course
ACADEMIC YEAR : 2020-21

1.	Course Title	Linux System Programming
2.	Course Duration in hours (15/30/45/60)	15 Hours
3.	Targeted audience	The students and staff working on Linux System Programming
4.	Equivalent Credit	2
5.	Category (HS/BS/EEC/Management/Technical)	Technical
6.	Level (Undergraduate/ Postgraduate)	Undergraduate
7.	Eligibility Criteria	The Participants should have the basic knowledge of OS and C - programming as prerequisite
8.	Expected Outcome	To be practically conversant with Linux Operating System and its design , to be comfortable in working in Linux environment and to be familiar with system IPC mechanisms
9.	Collaborator Details (If applicable)	Not Applicable
10.	Course Coordinator details (In SVCE) Please attach the CV as a separate sheet	Ms. E. Rajalakshmi, Ms. R. Bhuvanewari, Ms. J. Buvana
11.	Recourse Person(s) / Course Instructor(s) details (If applicable) Please attach the CV as a separate sheet for each person	Mr. Palani Karthikeyan, Technical Consultant, Krosun Labs, Bangalore
12.	Mode / Place of Course Conduction	Online Via Google Meet

13.	Whether Course content along with course plan is attached?	YES
14.	Mode of Evaluation	Case Study

Syllabus

Session (From 6.30 PM to 8.00 PM)	Topic	Description
1	LINUX Introduction	<ul style="list-style-type: none"> • Features of Linux • Layered Approach
2	File management	<ul style="list-style-type: none"> • File Tree structure , file types and file systems • Extended file system, UFS, VFS • proefs, super blocks , inode table
3	I/O Handling	<ul style="list-style-type: none"> • Overview, FD table , System calls • Opening , closing a file, dup • Controlling a file, file status and select
4	File Locking	<ul style="list-style-type: none"> • Sharing data, Concurrency, Race • Dead lock, synchronization, file locking • Flock, mandatory and advisory lock • read and write lock
5	Process Management	<ul style="list-style-type: none"> • Process mode and space, Context Switch • Execution context, Process structure, state
6	Process Management	<ul style="list-style-type: none"> • Applications and limitations of execl • Scheduling priorities, nice,ZOMBIE state • fork(), orphan process and COW (Copy on Write)
7	Timers , Resource limits and Log Messages	<ul style="list-style-type: none"> • Time zones, alarm, interval timers • Set and get timers, tsc, hard and soft resource lmt
8	Timers , Resource limits and Log Messages	<ul style="list-style-type: none"> • Set and get limits of system logs, sysconf • sc_clk_tck, syslog.h
9	Signalling Mechanism	<ul style="list-style-type: none"> • Introduction to signals, signal Vs interrupt • Receiving signal, handling signals, sigstop, sigkill, signal Vs sigaction, kill
10	Primitive Inter Process Communication	<ul style="list-style-type: none"> • IPC mechanisms, One way communication • 2-way communication, half duplex, unnamed pipe

11	Primitive Inter Process Communication	<ul style="list-style-type: none"> • popen , pread , pwrite, process tracing and fifo • Advantages and disadvantages with primitive IPC • strace and ptrace
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Curriculum Vitae – Course Coordinator 1:Mrs. E.Rajalakshmi

E.Rajalakshmi

E.RAJALAKSHMI

W/o,Mr.G.Ponnarasu

D.O.B: 10/04/1982

Plot no 14,G1,Sri Akhila Castle

Sri Ambal City,Queen Victoria Road,

Poonamallee - 56

Mobile No. : 9952130649

Email : eraji@svce.ac.in

OBJECTIVE:

Seeking an excellent position in the field of teaching of engineering subjects and to grow at a faster pace through hard work and team effort. My engineering background and working experience has honed my analytical skills and I strongly believe that I would be able to contribute substantially to the growth of an organization.

TECHNICAL QUALIFICATION:

Course	Institution/University and Year of Passing	Marks/CGPA	Remarks
B.E (Computer Science & Engineering)	Pallavan College of Engineering. (University of Madras),2004	84.15%	Secured 92.25 % in 7 th semester & secured highest mark in that semester
M.B.A(Systems)	Alagappa University,2007	70%	Distance Education
M.E(Computer Science & Engineering)	SVCE, Anna University,2013	8.88 CGPA	Secured Rank 22 at University level & Secured Rank 1 at College level. Degree sponsored by our college & studied as a full-time candidate.

EXPERIENCE:

- Worked as a Lecturer in Saveetha Engineering College, Thandalam during the academic Year 2004-2005

- Joined as a Lecturer in SVCE in 2005 and now working in SVCE as an AP till date

COURSES HANDLED:

- Programming & Data Structures
- Design & Analysis of Algorithms
- Computer Graphics & Multimedia
- Programming in C
- Computer Organization
- Resource Management Techniques
- Data Warehousing & Data Mining
- Operating Systems
- Object Oriented Analysis & Design
- E-Commerce
- Distributed Computing
- Mobile Computing
- Middleware Technologies
- Software Engineering
- Computer Practice Lab
- Programming & Data Structures Lab
- Graphics & Multimedia Lab
- Object Oriented Analysis & Design Lab
- OOPS Lab
- Middleware Technologies Lab

RESPONSIBILITIES HELD:

- Residential Tutor in SVCE hostel for the period of 1-year
- TAU In-charge
- Time Table Coordinator
- ISO In-charge
- Department Library In charge
- Anna University Practical Examinations In charge

- Faculty Advisor
- Result Analysis In charge
- Academic Objective In-charge
- ACE (Association of Computer Engineers) coordinator
- Helped in organizing the data regarding results for the NBA work in the year 2017
- Prepared a framework for result analysis

RESEARCH:

PAPERS PUBLISHED:

- 1) Rajalakshmi,E, Krishnamurthy M, Kannan A, Baskaran R .“Improved Cluster Based Mining Algorithm for Frequent Itemset Generation using Bit Vectors”, TQ –Research Journal , July 2013
- 2) M. Krishnamurthy, E.Rajalakshmi, R Baskaran And A. Kannan, “Prediction Of Customer Buying Nature From Frequent Itemsets Generation Using Quine-Mccluskey Method”, The Iet Chennai Network 4th International Conference Seiscon 2013, Pp : 397 To 411. Also Indexed In IEEE Explore Digital Library, Date Added To Ieee Xplore: 11 June 2015,Print Isbn: 978-1-78561-030-1, Doi: **10.1049/Ic.2013.0345**,Publisher: IET.
- 3) Arjun Narendran, Rajalakshmi Elumalai, Priyanka Ravindran,Ajay Adithya Rajagopal , “A Trie-based Dynamic Bit Vector Implementation for Efficient Storage of Frequent Item Sets” In IIJDWM , November 2014 VOLUME 4, ISSUE 4, ISSN (PRINT) : 2249-7161, ISSN (ONLINE) : 2186-2249
- 4) M Krishnamurthy, K Manivannan, A Chilambuchelvan, E Rajalakshmi, A.Kannan,”Enhanced Candidate Generation for Frequent Itemset Generation “, In Indian Journal of Science and Technology, Volume :8,Issue :13, July 2015,ISSN (Print):0974 -5645, ISSN Print(Online) :0974-6846
- 5) M Krishnamurthy, K.Manivannan,A Chilambuchelvan, E Rajalakshmi and A.Kannan, “Frequent Itemsets Generation from Transaction Database and Rule Generation using Quine-McCluskey Method”, Middle-East Journal of Scientific Research 23 (Sensing, Signal Processing and Security): 222-231, 2015 ISSN 1990-9233, IDOSI Publications, 2015 DOI: 10.5829/idosi.mejsr.2015.23.ssps.57

CONFERENCES & OTHERS:

- 1) Presented Research Ideas entitled “Innovative Techniques for Strong Association Rules using Frequent Itemsets Generation in Transaction Databases” in Faculty Research Day on 17th April, 2015 in SVCE
- 2) Mentored the Research Work entitled “Text Summarization -A NLP” in SVCE INNOVATES 2015-Student Research Day on 27th March, 2015 in SVCE
- 3) Presented a paper on “Classification and Association of Mental and Behavioral Disorders due to Alcohol Consumption” in Faculty Research Day held on 26th April, 2019 and secured First Place.
- 4) Mentored a research project titled “Comprehensive Learning Tool using Information Extraction from Text” and the students participated in the Student Research Day held on 23/03/2018

- 5) Presented the research ideas in Faculty Research Day competition under the title “Data Mining Tasks for the Prediction of Customer Purchase Behaviour and Adverse Drug Reactions” held on 26/04/2018
- 6) E Rajalakshmi, Dr. R. Nedunchelian (2020), presented a paper titled, “ Enhanced Apriori Algorithm for Frequent Itemsets Generation” in International Conference on Recent Trends in Science, Engineering & Management (ICRTSEM-2020)

BOOKS PUBLISHED:

Authored a book titled “Computer Graphics” by Emerald Publishers, 2017

PROFESSIONAL MEMBERSHIP:

Member of International Association of Engineers(IAENG),Membership ID : 259901

GUEST LECTURE/INDUSTRIAL VISITS ORGANIZED:

- Organized a National Level Technical Symposium, “Interrupt’17” as a part of ACE(Association of Computer Engineers) on 25th September, 2017
- A Workshop on “Web Development” by Computer Science and Engineering students to inter college students was organized by Association of Computer Engineers on 25th September, 2017
- Organized a Guest Lecture on “Self-Healing Applications and System Design” by Mr.S.Avudaiyappan, Director-Projects, Cognizant Technology Solutions as a part of Association of Computer Engineers on 25th September, 2017
- Organized a Guest Lecture on “Cyber Crime” by Mrs. P C Thenmozhi, IPS, DIG Kanchipuram Range as a part of Association of Computer Engineers on 25th September, 2017
- Organized a guest lecture, “VR/AR Eco System” by Ms. Sheetal Choraria, MAGES Institute of Excellence, Singapore as a part of ACE (Association of Computer Engineers) and in association with Department of Information Technology, SVCE on 10th October, 2017
- Organized a 24-hours Hackathon called “InheritanceHack” as a part of ACE (Association of Computer Engineers” in association with International Genetically Engineered Machine-SVCE(iGEM-SVCE) and ACM(Association of Computing Machinery) on 26th August, 2017
- Organized a guest lecture as a part of ACE (Association of Computer Engineers) on “Research Careers” by Dr. Karthik Pattabiraman, Associate Professor, University of British Columbia, Canada on 31st August, 2017.
- Organized an one day Industrial Visit for the III Year CS Students (A,B & C –Batches) from 04/08/2017 to 09/08/2017 (one batch per day) at Sansbound Solutions Pvt. Ltd., Chennai
- Organized a guest lecture as a part of ACE(Association of Computer Engineers) on “Data Analytics” by Mr.AravindaRajah Rajagopal, Founder of Varsa Infotech and Mr.Amith Sethia, Team Member, Varsa Infotech on 25/07/2017
- Organized a guest lecture as a part of ACE (Association of Computer Engineers) on “Design of smart systems using cloud based IoT Technologies” by Mr.Srinivasan Thanukrishnan, Founder & CEO, Glosys Technology Solutions Private Limited on 20/07/17

LECTURES DELIVERED:

- Delivered a lecture "TWO DAY WORKSHOP ON EMPLOYABILITY SKILL DEVELOPMENT PRE-FINAL YEAR (LATERAL ENTRY & TAMIL MEDIUM) STUDENTS" sponsored by ISTE (Students Chapter) in SVCE held on 7th and 8th March, 2016
- Resource Person for a one day lecture on Computer Graphics in Loyola Institute of Technology, Chennai on 23/09/2015
- Resource Person for the workshop on WEKA tool in SIET College of Women & delivered a 2-day hands-on training on WEKA for the students and faculty of the college in the year 2012
- Presented Research Ideas entitled "Innovative Techniques for Strong Association Rules using Frequent Itemsets Generation in Transaction Databases" in Faculty Research Day on 17th April, 2015 in SVCE
- Delivered Lectures on Multimedia and in C in the Subject Interest Group (SIG) in SVCE
- Giving placement trainings and skill development programs on C, Data Structures for students every year

SOME OF THE WORKSHOPS/FDTPs/CONFERENCES ATTENDED:

- Attended a One day workshop on "Graph Theory and Its Applications" on 28/06/2017 at SVCE.
- Attended a 7-days FDTP in Data Warehousing & Data mining from 9/06/17 to 16/06/17 held at Rajalakshmi Institute of Technology
- Attended a 2- days workshop in Data Analytics & Business Intelligence in December 2016 in SVCE
- Attended one day workshop on Membrane Computing in SVCE held on 4th Oct 2011
- Attended 3-days workshop on NS2 in SVCE held on 6th, 7th & 8th April 2011
- Attended 4-days workshop on Object Oriented Analysis and Design using UML with Essentials of Rational Software Architect in SVCE sponsored by IBM on 20th April to 23rd April 2009
- Attended a workshop on Data Mining, A Research Perspective in SVCE sponsored by CSI,ISTE &IEEE held on 24th and 25th March, 2011
- Attended 2-days workshop on IT project management in SVCE sponsored by CTS held on 16th and 17th December 2008
- Participated in a two day online hands-on workshop "Golang" conducted by department of CSE, SVCE from 13/02/2021 to 14/02/2021
- Attended an online two days national level workshop on "Digital Systems Lab using Verilog" by Pantech Systems from 01/02/2021 to 02/02/2021
- Attended a Workshop on Four Days Short Term Training Programme on "Data Science and Machine Learning using Python" held during April 29 to May 3, 2019 organized by Department of Information Technology, SVCE
- Attended a Workshop on Two Days on "Data Analytics using R" held during Feb 21st and 22nd , 2019 organized by Department of Computer Science and Engineering, SVCE
- Attended a Two Days hands-on training on "Internet of Things and Cloud Computing" held on Feb 7th and 8th , 2019 organized by Department of Computer Science and Engineering, SVCE
- Attended a Hands-on Workshop on "Building Web Applications using .NET Framework" held on 15th October, 2018 organized by Department of Computer Science and Engineering, SVCE
- Attended a two days National Workshop on "Deep Learning: Text Analysis & Image Processing" held on 08/03/2018 & 09/03/2018 at SVCE
- Attended a One day workshop on "Graph Theory and Its Applications" on 28/06/2017 at SVCE.

- Attended a 7-days FDTP in Data Warehousing & Data mining from 9/06/17 to 16/06/17 held at Rajalakshmi Institute of Technology
- Attended a 2- days workshop in business intelligence in December 2016 in SVCE
- Attended one day workshop on Membrane Computing in SVCE held on 4th Oct 2011
- Attended 3-days workshop on NS2 in SVCE held on 6th, 7th & 8th April 2011
- Attended 4-days workshop on Object Oriented Analysis and Design using UML with Essentials of Rational Software Architect in SVCE sponsored by IBM on 20th April to 23rd April 2009
- Attended a workshop on Data Mining, A Research Perspective in SVCE sponsored by CSI,ISTE &IEEE held on 24th and 25th March, 2011
- Attended 2-days workshop on IT project management in SVCE sponsored by CTS held on 16th and 17th December 2008
- Attended a one day program on Server & Storage in CTS in the year 2007
- FDP on “Telemedicine” conducted by G.Pulla Reddy Engineering College (Autonomous), AP sponsored by AICTE Training And Learning (ATAL) Academy from 19/01/2021 to 23/01/2021
- FDP on data science from 24 aug 2020 to 28 aug 2020 conducted by Centre for data science and AI in association with Computer Society of India.
- Five days FDP on EMI/EMC organized by kumaraguru centre for AI & Robotics and Robert Bosh Engineering & Business Solution from 6th to 10th July 2020.
- Participated in “Three Days Online FDP on “Devops and Cybersecurity “ from 10/06/2020 to 12/06/2020, organized by Department of Computer Science and Engineering, St.Joseph’s College of Engineering, Chennai.Speaker :Mr. Sreeharinath Rangarajan, Technology Architect, Infosys, Canada.

COURSES COMPLETED

- Fundamentals of Graphic Design, California Institute of the Arts, Completed on July10, 2020 offered by Coursera.
- Foundations of Everyday Leadership,University of Illinois at Urbana-Champaign,Completed on July 11, 2020 offered by Coursera
- VR and 360 Video Production, Google AR & VR, Completed on July 12, 2020 offered by Coursera
- How to Write and Publish a Scientific Paper (Project-Centered Course), École Polytechnique, Completed on July 13, 2020 offered by Coursera
- Chinese for Beginners, Peking University, Completed on July 14, 2020 offered by Coursera
- “Introduction to Neural Networks and Deep Learning” provided by greatlearning Academy on 18/01/2021

PROJECTS/AWARDS APPLIED

- **Applied for a project titled "AN OPTIMISTIC APPROACH IN THE DIAGNOSIS OF CANCER USING CLASSIFICATION ALGORITHMS IN DATA MINING" to SCIENCE & ENGINEERING RESEARCH BOARD (SERB) in the year 2017 File Number: HRR/2017/000018. But unfortunately it was rejected by the peer review committee**
- **Applied for GYTI award in the year 2016 (Gandhian Young Technological Innovation Award) under the title "AN OPTIMISED CLASSIFICATION MINING APPROACH IN THE PREDICTION OF DIABETES"**

ACHIEVEMENTS

- M.E-COMPUTER SCIENCE AND ENGINEERING-2013-(Rank 1 at College level & Rank 22 at University Level-ANNA UNIVERSITY).
- Authored a book titled "Computer Graphics" by Emerald Publishers, 2017.
- World Record Achiever under the theme "WORLD BIGGEST INTERNATIONAL HANDS-ON IoT AND ETHICAL HACKING WORKSHOP" from wikitechy and Microsoft Research Community Group, Chennai on 26/01/2020. Record ID:WRHIOT-CH 3693.
- Received Best Paper Award, for the paper titled "Enhanced Apriori Algorithm for Frequent Itemsets Generation", in the 4th International Virtual Conference on Recent Trends in Science, Engineering and Management (ICRTSEM 2020) conducted by Karpaga Vinayaga College of Engineering and Technology, Padalam held on 14th August 2020.

Others:

- Participated in "SVCE Alumni Musical Quiz|Anthakshari" conducted by SVCE – Alumni Association on 4th July, 2020
- Participated & Won FIRST place in the "Women's day celebration" in spot light event held in the year 2020
- Participated & Won third prize in the "Teacher's day celebration" in spot light event held in the year 2018
- Participated & Won first prize in the "Teacher's day celebration" in spot light event held in the year 2017
- Organized first year girl student for the Rexona confidence academy program held at SVCE in the year 2017
- Organized students for participating in the Breast feeding awareness camp conducted by the Department of Neonatology, Saveetha Medical College during World Breast Feeding Awareness week(1st August, 2017 – 7th August, 2017)
- Participated in "Swatch Bharat" camps conducted by SVCE in 2016 and 2017
- Participated in International "Yoga Day" Camp conducted by SVCE on 21/June/2017
- Participated & Won first prize in the "Teacher's day celebration" in spot light event held in the year 2016
- Participated & Won first prize in "Women's day celebration" in spot light (EVES) held in the year 2016

- Participated & Won first prize in “Throw ball” event in the sports day held in the year 2016

PERSONAL INFORMATION:

Father’s Name : Mr. A. Elumalai

Husband’s Name : Mr.G.Ponnarasu

Date of Birth : 10/04/1982

Sex : Female

Nationality : Indian

Religion : Hindu

Marital Status : Married

No. of Children : 1(Male)

Languages Known : Tamil & English

Hobbies : Singing, Listening to music, Reading Books

R. Bhuvanewari

R.Bhuvanewari
IRISE Apartment
Plot No 12 & 13,Tirumalai Nagar
A.R Garden Road
Kolathur,Chennai-600 099
Mobile: 9941833038

Educational Qualification

Degree	Specialization	Full Time /Part time	Univeristy	GPA/Percentage
Ph.D(Pursuing)	---	Part Time	Anna University	
M.E	Computer and Communication	Part Time 2010-2013	Anna University	8.3
B.E	Computer Science	Full Time 200-204	Madras University	85%

Experience Details

Degree	Specialization	Full Time /Part time
Assistant Professor	Sri Venkateswara College of Engineering	01-06-2010 Till date
Lecturer	Sri Venkateswara College of Engineering	21-07-2007 to 31-05-2010
Lecturer	Rajalakshmi Engineering College	13-06-2005 to 16-05-2007
Lecturer	Sri Nandhanam College of Engineering and Technology	02-07-2004 to 21-04-2005

Subjects Handled:

- Digital Principles and Design
- Computer Graphics & Multimedia
- Advanced Computer Architecture
- Programming in C
- Computer Organization
- Multi-core Architecture
- Operating Systems
- Web Programming
- System Software
- Object Oriented Analysis & Design
- Software Engineering
- Computer Practice Lab
- Programming and Problem Solving Lab
- Graphics & Multimedia Lab
- System Software Lab
- Object Oriented Analysis & Design Lab
- OOPS Lab

Additional Duties:

- ISO Coordinator
- Dept. Website Coordinator
- TAU Coordinator
- CAT Coordinator
- Dept. Library Incharge
- Dept. Time Table Coordinator

Paper Publications

National Conference on communication and Informatics “ **Classification of Non-linear data using kernel in collaboration with Perceptron**”

International Journal:”**Kernel Collaboration with perceptron for Facial Emotion Recognition** “
International Journal of Computer Applications Year:May 2013 Vol:69 Issue:13 Pg:29-32 ISBN:0975-8887.

V.S.Vidhyalakshmi,R.Bhuvaenswari, “**Improving the Performance of Face Recognition across Gender Transformation using Machine Learning Techniques**” in International Journal of Informative & Futuristic Research(February 2017), Volume 4 Issue 6 Page No. 6444-6450

K.Laasya, R.Bhuvaneswari, “**Supervised Palm print recognition for personal identification using Convolution Neural network**”, in International Conference on Contemporary Engineering & Technology (10-05-2018)

R Indupriya, R Bhuvaneswari, “**Detection of Human in Surveillance Video using Machine Learning**” in International Conference of Contemporary Engineering and Technology 2019 held on 9th and 10th March 2019.

“**POTHOLE CRACK DETECTION USING MACHINE LEARNING**”, International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) - ISSN (ONLINE):2456-5717-Vol.6, Issue.6, June 2020.

“**Transgender Face recognition using a variant of convolutional neural network**”, Online International on Smart Material & Emerging Technologies for Industry 4.0 on October 16th – 17th , 2020

PERSONAL INFORMATION:

Father’s Name : Late.S.Ramamoorthy

Husband’s Name : Mr.D.P.Cheran

Date of Birth : 02/10/1983

Sex : Female

Nationality : Indian

Religion : Hindu

Marital Status : Married

No. of Children : 2

Languages Known : Tamil & English

Hobbies : Listening to music

Curriculum Vitae – Course Coordinator 3: Mrs.J.Buvana

J. Buvana

J. BUVANA

W/o,Mr.M.Pragadesh

Plot no 3 and 4,Hamanath Villa,

SASK Nagar,

Sriperumbudur - 602105

D.O.B: 10/06/1984

Mobile No. : 9597932530

Email : buvana@svce.ac.in

OBJECTIVE:

Seeking an excellent position in the field of teaching of engineering subjects and to grow at a faster pace through hard work and team effort. My engineering background and working experience has honed my analytical skills and I strongly believe that I would be able to contribute substantially to the growth of an organization.

TECHNICAL QUALIFICATION:

Course	Institution/University and Year of Passing	Marks/CGPA	Remarks
B.Tech (Information Technology)	Pallavan College of Engineering. (Anna University),2006	81 %	First Class with Distinction
M.E(Computer Science and Engineering)	SVCE, Anna University,2014	80.09 %	Degree sponsored by our college & studied as a Part-time candidate.

EXPERIENCE:

- Joined as a Lecturer in SVCE in 2007 and now working in SVCE as an AP till date.

COURSES HANDLED:

- Data Structures

- Programming in C
- Computer Organization
- Computer Architecture
- Operating Systems
- Visual C++
- Computer Networks
- Object Oriented Programming
- Cryptography and Network Security
- Internet Programming
- Internet Programming Lab
- VC++ Lab
- Graphics and Multimedia Lab
- DBMS Lab
- Digital Lab
- Computer Practice Lab
- Data Structures Lab
- OOPS Lab
- Security Lab
- Networks Lab

RESPONSIBILITIES HELD:

- TAU In-charge
- Time Table Assistant
- Department Library In charge
- Anna University Practical Examinations In charge
- Faculty Advisor
- Research Objective In-charge
- CAT Incharge
- Helped in organizing the data regarding research for the NBA work in the year 2017

Others:

- Mentored a research project titled “Web App on Chat Application” and the students participated in the Student Research Day held on 22/03/2019.

- Mentored a Website designing titled “ College Level Grievance Redressal Cell” in the year of 2019.

PROFESSIONAL MEMBERSHIP:

Life Member of the society-The Indian Society for Technical Education-Im 68344

GUEST LECTURE/INDUSTRIAL VISITS ORGANIZED:

- ◆ Helped to organizing ,Two Days FDP on Mobile Application Development held during 08/01/2016 and 09/01/2016 at Dept. Of CSE, SVCE.
- ◆ Industrial Visit for Third year students to Sansbound, The Networking Solutions on 4th, 8th and 9th of August 2017.
- ◆ One day hands-on Workshop on “Setting up a Private Cloud using OpenNebula” on 22/08/2017, Dept. of CS, SVCE.
- ◆ One day Workshop on Compiler Design held on 22/03/2018, at Dept. of CS, SVCE.
- ◆ Industrial Visit for Third year CS A students to Zoho Corporation Pvt, Ltd, Chennai on 09/10/2018.
- ◆ Guest Lecture on “Importance and Applications of Graph Theory in Computing”, 28/08/2019.
- ◆ Guest Lecture on “Scope on Higher Studies at Kent State University”, 12/09/2019.
- ◆ Industrial Visit for II year CSE A batch students to Sansbound, The Networking Solutions on 12th of February 2020.

LECTURES DELIVERED:

- Giving placement training and skill development programs on C, Data Structures for and Java for students every year.

SOME OF THE WORKSHOPS/FDPs/CONFERENCES ATTENDED:

- ◆ Macintosh Product Workshop MPW 2008 on 29 Sep 2008 at SVCE
- ◆ FDP on IT Project Management 16-17 Dec 2008 at SVCE
- ◆ Competency Development using Modern Teaching Methodologies 20-21 Dec 2008 at PB Engineering college
- ◆ Cloud Computing 30th June 2009 at SVCE
- ◆ Instructional Design & Deliver system 11-16 May 2009 at SVCE
- ◆ Two day workshop on Developing Language skills for th Teachers of Engineering & Technology on 7,8 Dec 2009 organised by the Department of Humanities and Social Sciences, SVCE
- ◆ Workshop on Python for Scientific computing WPSC 2010, 22-23 April 2010, organised by Department of Computer Science and Engineering in collaboration with FOSSEE Group, IIT Bombay
- ◆ Faculty Development Training Programme on Theory of Computation, 7 – 13 June 2010, sponsored by Center of Faculty Development , Anna University
- ◆ FDP on Free and Open Source Software on 8th September 2010,, Dept. of CSE,SVCE
- ◆ National workshop on Data Mining: A Research perspective, 24,25 March 2011, SVCE
- ◆ National Seminar on Geometric Function theory, 26 March 2011, organised Department of Applied Mathematics, SVCE
- ◆ Three days workshop on Network Simulator 2, on 6,7,8 April 2011, organised Dept of CA, SVCE
- ◆ NATIONAL WORKSHOP ON SERVICE ORIENTED ARCHITECTURE” held on 1-3 of JUNE 2011 at SVCE.

- ◆ TCP/IP, ADDRESSING, ROUTING LOGIC, CAPTURE AND ANALYSIS OF ARP, ICMP, UDP, TCP, DNS, FTP, HTTP, DHCP, PACKETS” held on 19th JUNE 2011 at SANSBOUND.
- ◆ CRYPTOGRAPHY- Securing TCP/IP communications with IPsec protocols” held on 16th JULY 2011 at SANSBOUND.
- ◆ MEMBRANE COMPUTING held on 4th OCT 2011 at SVCE.
- ◆ “ARTIFICIAL INTELLIGENCE” held on 14-21st NOV 2011 at SVCE.
- ◆ Attended two days workshop on Network Simulator2 between 17-18 Feb 2012 at SVCE.
- ◆ Attended Faculty Development Programme on Next Generation Research Trends in Wireless Networks between 17-18 Aug-2012 at SRM University, Kantankulathur.
- ◆ Obtained Provisional certificate in First Aid awarded by St. Johns Ambulance, Tamil Nadu on 17-Nov-2012.
- ◆ Certificate in participation and successful completion of Ethical Hacking and Computer Forensics, organised by Gemini Communications held on 21 Dec 2012 at SVCE.
- ◆ Workshop on HTML5/CSS3 conducted on 5th March 2013, Dept. of CSE, SVCE.
- ◆ Workshop on Linux Internals conducted on 20th December 2013 at Dept. of CSE, SVCE
- ◆ Two Days workshop on Implementation of Cloudsim and Hadoop held during 05/02/2016 and 06/02/2016 at Dept. Of CSE, SVCE.
- ◆ FDTP on Data Analytics held during 05/06/2017 to 07/06/2017, Dept. Of IT, SVCE.
- ◆ One day Workshop on Graph Theory and its Application in Engineering held on 28/06/2017, Dept of AM, SVCE.
- ◆ ISTE Sponsored One Day Workshop on Google App Engine held on 28/07/2017, Dept. of CS, SVCE.
- ◆ One day Hands-on Workshop on Online Web Hosting and Development held on 10/10/2017, Dept. of CS, SVCE.
- ◆ One day Workshop on Developing RYU SDN Applications held on 09/02/2018, at Dept. of CS, SVCE.
- ◆ Two days National Workshop on Deep Learning: Text Analysis & Image Processing, NWDLTAIP 18, held on 08/03/2018 & 09/03/2018, at Dept. of CS, SVCE.
- ◆ Two days Workshop on Python Programming held on 11/10/2018 and 12/10/2018, Dept. of CS, SVCE.
- ◆ One Week Short Term Training Programme on “Transition from Machine Learning to Deep Learning :Text, Image and Speech Processing” (MLDLTISP’18) held during 12/11/2018 to 17/11/2018, Dept. of CS, SVCE.
- ◆ Two days workshop on “Data Analytics Using R” held on 21-02-2019 to 22-02-2019, Dept. of CSE, SVCE.
- ◆ Mentor for II YR CS A students “Web App on Chat Application -Students Research Day 2019”, held during 22-03-2019 at SVCE.
- ◆ Four days Short Term Training Programme on “Data Science and Machine Learning Using Python” held during 29/04/2019 to 03/05/2019, Dept. of IT, SVCE.
- ◆ Workshop on “IoT Fundamentals:Connecting Things” held on 19/08/2019.
- ◆ National workshop on “Internet of Things and NoSQL Databases” held on 30/08/2019.
- ◆ Two days workshop on Deep Learning using MATLAB held on 13/09/2019 and 14/09/2019, SRM Institute of Science and Technology.
- ◆ Workshop on “Brain Computer Interface” held on 17/09/2019, Dept. of CSE, SVCE.
- ◆ Two days “International workshop on Discrete Mathematics and theoretical computer science” held during 05/03/2020 to 06/03/2020, Dept. of Applied Mathematics, SVCE.
- ◆ Six days online FDP on “Latest trends and challenges in IT industry” held on 15-06-2020 to 20-06-2020 at R.M.D Engineering College.
- ◆ Three day FDP on “Exploring python 3.4.3” held on 11-06-2020 to 13-06-2020 at IIT Bombay, St.Josephs Institute of technology.

- ◆ One day Faculty development Program on “Outcome based education software” held on 11-06-2020 at vmedulife software services.
- ◆ One week online FDP on “Data Science with R Programming for Data Analytics” held on 04-06-2020 to 09-06-2020 at Shrad Institute of technology College of engineering Yadrav-Ichalkaranji.
- ◆ Six days online FDP on “Data Science using Python” held on 25-05-2020 to 30-05-2020 at Mohamed Sathak A J College of Engineering.
- ◆ Two days online FDP on “Web Application Security” held on 27-05-2020 to 28-05-2020 at Jeppiaar Institute of Technology.
- ◆ Five days Hands on FDP “data science using python” held on 18-05-2020 to 22-05-2020 at Jeppiaar Institute of Technology.
- ◆ One day FDP on “Online Learning Tools Post covid-19” held on 29-05-2020 at Sri Chandrasekharendra Saraswathi viswa Mahavidyalaya.
- ◆ One day FDP on “Internet of Things” held on 20-05-2020 at DMI college of Engineering.
- ◆ Two day National level workshop on “Machine learning in computer vision applications” held on 12-05-2020 to 13-05-2020 at Sri Venkateswara college of Engineering.
- ◆ Five days online FDP on “Machine learning essential for every researcher” held from 06.07.2020 to 10.07.2020,organized by Kongu engineering college,Erode.
- ◆ one day FDP on”Outcome based education software” organized by vmedulife software services on 16-07-2020.
- ◆ Six days FDP on”Recent trends in Information technology”organized by St.Joseph’s institute of technology from 13th July to 18th July 2020.
- ◆ One week online FDP program on “Latex” from 13th-19th july 2020 conducted by Jamshedpur collaboration with spoken tutorial,IIT,Bombay.
- ◆ Two day FDP on”Recent trends in Google cloud”organized by SVCE from 20th July to 21th July 2020.
- ◆ Seven days online FDP on”Exploring the Essentials in computing applications”organized by St.Joseph’s Institute of technology from 23rd to 29th July 2020.
- ◆ One day national level FDP on “Information security and data privacy awareness”organized by IQAC of St.Anne’s Degree college in collaboration with AIMIT,mangalore on 27th july 2020.
- ◆ One week industry oriented online STTP on Current trends and tools for web development from 21st-25th july 2020 by SVCE.
- ◆ One day national level FDP on”Information security and data privacy awareness”,orgonized by IQAC St.Anne’s degree college with AIMIT on 27yh Aug 2020.
- ◆ Two day workshop on “Enablers for next generation communications”during 4th and 5th sep 2020.
- ◆ AICTE ATAL academy online FDP on “Data Sciences”from 07-09-2020 to 11-09-2020 at Prathyusha Engineering college.
- ◆ AICTE ATAL academy online FDP on “Blockchain”from 21-09-2020 to 25-09-2020 at KCG college of technology.
- ◆ Five days FDP on “Machine learning and its applications” organized by SVCE from 21-09-2020 to 25-09-2020.
- ◆ ATAL Online FDP on “Internet of Things”from 07-12-2020 to 11-12-2020 at IIT , Kottayam.
- ◆ Six day online STTP on : AI in Healthcare” during 14-12-2020 to 20-12-2020 at SSN.
- ◆ ATAL Online STTP on “Blockchain” from 12-09-2020 to 25-09-2020 at KCG College of Technology.
- ◆ Online STTP on “ Incorporation the techniques of blockchain and AI to face the privacy and security challenges of IT Infrastructure” from 23-11-2020 to 28-11-2020 at KCG College.
- ◆ ATAL Online STTP on “Cyber security” from 23-22-2020 to 27-11-2020 at Srijayachamarajendra college of engineering.
- ◆ Six days online STTP on “Deep learning based analysis of images and videos using python “ from 30-11-2020 to 05-12-2020 at KIT.

- ◆ Online STTP on "Recent trends in IOT" held on 21-12-2020 to 28-12-2020 at Bannari Amman Institute of Technology.

Others:

- Participated & Won FIRST place in the "Women's day celebration" in throw ball event held in the year 2016
- Participated & Won FIRST place in the "Women's day celebration" in throw ball event held in the year 2015.
- Participated & Won FIRST place in the "Women's day celebration" in throw ball event held in the year 2014.

Online Courses Completed

- Programming for everybody – Coursera
- Introduction to HTML 5 – Coursera
- Introduction to Machine Learning – Coursera

PERSONAL INFORMATION:

Father's Name : Mr. A.K.Jeeva(Late)
Mother's Name : Mrs.Kumari Jeeva
Husband's Name : Mr.M.Pragadesh
Date of Birth : 10/06/1984
Sex : Female
Nationality : Indian
Religion : Hindu
Marital Status : Married
No. of Children : 1(Male)
Languages Known : Tamil & English

Curriculum Vitae – Resource Person – Mr. Palani Karthikeyan

PALANI KARTHIKEYAN

Call away: +91 9902084004

Email: abpalanikarthik@gmail.com

15 + Years of experience in the IT industry

Functional Skills

- Relevant technical training, classroom stand-up teaching experience in business or in academia, curriculum development and software management or team leadership.
- Knowledge of C/C++ development/programming, OOD-Object oriented design and LINUX development.
Knowledge of high-performance **UNIX & LINUX** system programming
- Efficient code handling in **Unix Shell / Perl /Python and Ruby** Programming
- Knowledge of the Software Engineering life cycle.
Strong practical programming experience, as well as advanced academic training in a relevant discipline including the ability to apply that practical experience to communicate technical concepts effectively in a training environment.

Professional Experience

Working Technical Consultant since May 2010

KrosumLabs,Bangalore,India

Lead –Unix / Linux Kernel Development, Nov 2006 – May 2010
Apelix Technologies (p)Ltd, Bangalore, India

Software Engineer 2004 -2006

System Global Computers (p) ltd, Chennai, India

Academic Profile

M.S. Computer Science from Manipal University, in the year of 2012

B.E., Computer Science and Engineering from University of Madras, in the year 2004

Technical Expertise

UNIX / Linux Internals - System Programming, Linux Internals (File system, Process, Signals, Network, Memory management and debugging tools)

Languages - Advanced C, MISRA C, C++ , Unix Shell script, TCL ,Perl, Python and Ruby Scripting.

Project Consultant Handled following clients:

1. Project : EASY - Education Automation System

Client : Apelix Technologies Pvt .Ltd ,Bangalore

Team : 1-4 yrs exp Software Engineer

Duration : 4 months

Skills : Linux ,Apache ,mysql, perl script

2. Project: Linux Kernel by-pass technique

Client : FCS ,Noida

Skills : Linux kernel 3.0 , C , kernel module program

Duration : 8 months

3. Project : Network sniffing and control the data packets

Client : FCS ,Noida

Skills : Linux 2.6 , C, gdb,tcpdump

Duration : 3 months

4. Project : Report Product performance (memory ,processor and File system utilization)

Client : Apex Technologies PvtLtd, Bangalore

Skills: Linux, Perl script, shell, LAMP, vmstat, netstat, monitor, sar.

Duration: 6 months

Recent Corporate Training Details

UNIX SHELL SCRIPT [BASH /KSH] Basic to Advance Level

- Amadeus ,Bangalore - 3 Batches
- Capgemini , Bangalore,Mumbai
- Cognizant Technology Solutions, Chennai, Coimbatore (more than 10 batches)
- EMC Corporation, Bangalore - 2 Batches
- EXCELACOM Technologies, Chennai
- HCL Technologies, Chennai, Bangalore - 5 Batches
- Headstrong, Bangalore - 6 Batches
- Hewlett Packard, Bangalore, Gurgaon
- IIHT, Bangalore - 2 Batches
- Mind Tree Ltd, Bangalore – 3 Batches
- On mobile Global Limited ,Bangalore - 2 Batches
- Oracle, Bangalore (20 + batches)
- Polaris Financial Technology Limited , Chennai and Hyderabad
- Quinnox consultancy services, Bangalore - 8 Batches
- SLK Software ,Bangalore - 2 Batches

- Verizon ,Chennai and Hyderabad - 9 Batches
- Wells Fargo ,Bangalore – (3 Batches)
- Wipro Bangalore ,Chennai,pune, & Kolkatta

UNIX ESSENTIALS WITH SYSTEM ADMINISTRATION

- ATOS, Bangalore (Fresher's)
- Apex Technologies, Bangalore (10 Batches)
- Hewlett Packard, Bangalore - 2 Batches
- Headstrong, Bangalore (Fresher's) - 2 Batches
- SLK Software, Bangalore - 3 Batches
- Oracle , Bangalore (20 + Batches)
- Wipro Bangalore, Chennai, Pune - 2 Batches

ADVANCED LINUX PROGRAMMING IN C

- Aricent Technologies, Bangalore
- Apex Technologies, Bangalore - 7 Batches
- CDAC, Chennai - 4 Batches
- HCL Technologies, Bangalore & Chennai - 5 Batches
- Hewlett Packard, Bangalore - 5 Batches
- LG Cns, Bangalore - 2 Batches
- NagaraVision, Bangalore
- Toshiba, Bangalore - 2 Batches
- Unisys, Bangalore -5 Batches
- Wipro Bangalore and Kolkata

PERL PROGRAMMING (Basic to Advanced Level)

- SAP Labs - Bangalore
- Oracle, Bangalore – (15 + Batches)
- Capgemini - Mumbai - 3 Batches
- Cognizant Technology Solutions – Pune and Chennai 2 Batches
- Apelix Technologies, Bangalore –(10 Batches)
- EMC Corporation, Bangalore - 7 Batches
- Hewlett Packard, Bangalore - 10 Batches
- MindTree , Bangalore
- SLK Software, Bangalore - 5 Batches
- Verizon, Chennai, Hyderabad - 5 Batches
- Wells Fargo ,Bangalore and Hyderabad - (5 Batches)

PYTHON PROGRAMMING (Basic to Advanced Level)

- Visteon Technologies and service, Chennai – 4 Batches
- Apelix, Bangalore (10 Batches)
- Krosum Labs, Bangalore (15 + Batches)
- KrosumLabs Python for Data analysis and web automation
- Oracle ,Bangalore
- Wells Fargo , Bangalore (2 Batches)

RUBY PROGRAMMING

- Oracle, Bangalore – 4 Batches
- KrosumLabs, Bangalore
- Hewlett Packard, Bangalore

LINUX KERNEL INTERNALS AND DEBUGGING

- Apelix Technologies, Bangalore
- HCL Technologies, Chennai
- L&T InfoTech, Bangalore

EMBEDDED C ,C++ , MISRA C

- Apelix, Bangalore – 3 Batches (embedded c++ with optimization using aix compiler)

- BOSCH, Coimbatore
- CTPLGlobal Service, Pune
- L&T Infotech , Bangalore
- MindTree – C ,C++
- UST Global Service, Bangalore – 2 Batches
- Visteon Technologies and service, Chennai – Fresher's - 3 Batches

NAGIOS NETWORK MONITORING TOOLS

- FCS, Noida
- Apelix, Bangalore - 2 Batches

C ,C++ PROGRAMMING

- Cognizant Technology Solutions , Coimbatore and Chennai Induction Batches
- HCL Technologies ,Chennai (5 - Induction Batches)
- Hewlett Packard ,Bangalore - 5 Batches
- Hexaware ,Chennai - 4 Batches
- L&T infotech ,Chennai
- Unisys , Bangalore - 5 Batches
- RDBMS Concepts Using MySql
- HCL Technologies ,Chennai (Induction Batches in the year 2010-11)
- L&T InfoTech , Chennai (Induction Batches)

LIST OF PARTICIPANTS

S.No	Registration No.	Name of the Participant
1	210521001	AATHAN. A
2	210521002	ABBRAR SAIF M
3	210521003	ABHISHEK D
4	210521004	ADITYAVIGNESH V
5	210521005	AISWARRYA B
6	210521006	AJAY S
7	210521007	AKAASH V
8	210521008	ANUSHA LINDA KOSTKA J E
9	210521009	AVINASH.S
10	210521010	AYMBADI DEVENDER
11	210521011	BANDARU SATYALAKSHMI
12	210521012	FRANCIS INIGO RAJ L
13	210521013	GAYATHRI R
14	210521014	GEETHA.F
15	210521015	GUNA GAYATHRI PRASEETHA K
16	210521016	HARIPRIYA G.S
17	210521017	HIMANSHU PANT
18	210521018	IYSWARYA R
19	210521019	JANANI V
20	210521020	JEEVITHA J
21	210521021	KALYANI SREE A S
22	210521022	LAKSHMIPRIYA R
23	210521023	LAXMI MANOHAR U
24	210521024	MAANESH.M
25	210521025	MADHU.C
26	210521026	MADHUMITA R
27	210521027	MANOJ KUMAR B
28	210521028	NEHA BHENDE
29	210521029	NIHIL RENGASAMY T
30	210521030	NIKHIL STEPHEN RAJ B C
31	210521031	NIVEDHA M
32	210521032	PAVAN EKMAMDIKAR
33	210521033	PAVITHRA N
34	210521034	PRANAV.P
35	210521035	PRATEEP NS
36	210521036	RAJALAKSHMI S
37	210521037	RAJASEKAR TA
38	210521038	RAJASEKARAN T
39	210521039	RAKHESH BALA A
40	210521040	ROSHINI A
41	210521041	ROSHINI K T
42	210521042	SARAVANA KUMAR V
43	210521043	SELVAMANI P
44	210521044	SENTHILKUMAR.R
45	210521045	SIVAKUMAR C G
46	210521046	SRIDHAR J
47	210521047	SUCHITA A V
48	210521048	SURESHKUMAR M
49	210521049	VARSHA B

S.No	Registration No	Name of the Participant	Internal/ External Participant	Name of the College	Transaction ID /Registration Fee Payment Details (Rs. 200)	Attendance %
1	210521001	AATHAN. A	Internal	SVCE		90.91
2	210521002	ABBRAR SAIF M	Internal	SVCE		90.91
3	210521003	ABHISHEK D	Internal	SVCE		90.91
4	210521004	ADITYAVIGNE SH V	Internal	SVCE		100
5	210521005	AISWARRYA B	Internal	SVCE		100
6	210521006	AJAY S	Internal	SVCE		100
7	210521007	AKAASH V	Internal	SVCE		100
8	210521008	ANUSHA LINDA KOSTKA J E	External	Noorul Islam Centre for Higher Education, Kumarakoil	108716589801	81.82
9	210521009	AVINASH.S	Internal	SVCE		90.91
10	210521010	AYMBADI DEVENDER	External	Vasavi College of Engineering, Hyderabad	108910945303	90.91
11	210521011	BANDARU SATYALAKSH MI	External	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY,COIMBATORE	108609264070	9.09
12	210521012	FRANCIS INIGO RAJ L	Internal	SVCE		100
13	210521013	GAYATHRI R	Internal	SVCE		90.91
14	210521014	GEETHA.F	Internal	SVCE		100
15	210521015	GUNA GAYATHRI PRASEETHA K	External	Prathyusha Engineering College,Tiruvallur	P21032622193751724 46686	90.91
16	210521016	HARIPRIYA G.S	Internal	SVCE		100
17	210521017	HIMANSHU PANT	Internal	SVCE		100
18	210521018	IYSWARYA R	Internal	SVCE		100
19	210521019	JANANI V	Internal	SVCE		100
20	210521020	JEEVITHA J	Internal	SVCE		81.82
21	210521021	KALYANI SREE A S	Internal	SVCE		100
22	210521022	LAKSHMIPRIY A R	Internal	SVCE		90.91
23	210521023	LAXMI MANOHAR U	External	Vasavi College of Engineering, Hyderabad	108915011907	81.82
24	210521024	MAANESH.M	Internal	SVCE		81.82
25	210521025	MADHU.C	Internal	SVCE		81.82
26	210521026	MADHUMITA R	Internal	SVCE		90.91
27	210521027	MANOJ KUMAR B	Internal	SVCE		90.91
28	210521028	NEHA BHENDE	Internal	SVCE		100
29	210521029	NIHIL RENGASAMY T	Internal	SVCE		81.82
30	210521030	NIKHIL STEPHEN RAJ B C	Internal	SVCE		100

31	210521031	NIVEDHA M	Internal	SVCE		90.91
32	210521032	PAVAN EKMAMDIKAR	External	Vasavi College of Engineering, Hyderabad	T21033009490405249 6171	90.91
33	210521033	PAVITHRA N	Internal	SVCE		100
34	210521034	PRANAV.P	Internal	SVCE		81.82
35	210521035	PRATEEP NS	Internal	SVCE		90.91
36	210521036	RAJALAKSHMI S	Internal	SVCE		100
37	210521037	RAJASEKAR TA	Internal	SVCE		100
38	210521038	RAJASEKARAN T	Internal	SVCE		81.82
39	210521039	RAKHESH BALA A	Internal	SVCE		81.82
40	210521040	ROSHINI A	Internal	SVCE		100
41	210521041	ROSHINI K T	Internal	SVCE		81.82
42	210521042	SARAVANA KUMAR V	Internal	SVCE		81.82
43	210521043	SELVAMANI P	Internal	SVCE		100
44	210521044	SENTHILKUMA R.R	Internal	SVCE		81.82
45	210521045	SIVAKUMAR C G	Internal	SVCE		100
46	210521046	SRIDHAR J	External	Vasavi College of Engineering, Hyderabad	108917071038	100
47	210521047	SUCHITA A V	Internal	SVCE		90.91
48	210521048	SURESHKUMA R M	Internal	SVCE		81.82
49	210521049	VARSHA B	Internal	SVCE		100.00

Evaluation Details

Registration. No	MCQ-1 (10-Marks - 03/04/2021)	MCQ-2 (20 - Marks - 06/04/2021)	Descriptive test (50- Marks - 10/04/2021)	Marks - 80	Converted to 100 - Marks	Remarks
210521001	7	20	47	74	92.5	Qualified
210521002	10	20	49	79	98.75	Qualified
210521003	9	20	47	76	95	Qualified
210521004	10	20	48	78	97.5	Qualified
210521005	10	20	46	76	95	Qualified
210521006	8	16	45	69	86.25	Qualified
210521007	9	20	47	76	95	Qualified
210521008	9	16	40	65	81.25	Qualified
210521009	9	18	42	69	86.25	Qualified
210521010	8	16	48	72	90	Qualified
210521011	6	10	Not Attended	16	20	Not Qualified
210521012	8	16	48	72	90	Qualified
210521013	8	18	48	74	92.5	Qualified
210521014	9	18	48	75	93.75	Qualified

210521015	7	12	48	67	83.75	Qualified
210521016	10	18	47	75	93.75	Qualified
210521017	9	16	40	65	81.25	Qualified
210521018	6	12	47	65	81.25	Qualified
210521019	10	20	48	78	97.5	Qualified
210521020	7	18	47	72	90	Qualified
210521021	7	18	48	73	91.25	Qualified
210521022	8	16	47	71	88.75	Qualified
210521023	7	10	37	54	67.5	Qualified
210521024	6	16	47	69	86.25	Qualified
210521025	6	Not Attended	40	46	57.5	Qualified
210521026	10	18	42	70	87.5	Qualified
210521027	10	18	40	68	85	Qualified
210521028	10	18	48	76	95	Qualified
210521029	6	16	39	61	76.25	Qualified
210521030	6	16	36	58	72.5	Qualified
210521031	8	18	47	73	91.25	Qualified
210521032	6	14	40	60	75	Qualified
210521033	6	14	40	60	75	Qualified
210521034	10	18	46	74	92.5	Qualified
210521035	6	16	37	59	73.75	Qualified
210521036	8	20	49	77	96.25	Qualified
210521037	7	20	45	72	90	Qualified
210521038	7	16	43	66	82.5	Qualified
210521039	6	16	38	60	75	Qualified
210521040	8	10	47	65	81.25	Qualified
210521041	6	Not Attended	40	46	57.5	Qualified
210521042	6	Not Attended	38	44	55	Qualified
210521043	7	16	48	71	88.75	Qualified
210521044	7	16	46	69	86.25	Qualified
210521045	8	16	36	60	75	Qualified
210521046	6	18	47	71	88.75	Qualified
210521047	8	18	37	63	78.75	Qualified
210521048	7	16	43	66	82.5	Qualified
210521049	8	18	44	70	87.5	Qualified

Sri Venkateswara College of Engineering

Autonomous Institution, Affiliated to Anna University, Chennai.

Approved by the AICTE Accredited by NAAC

Post Bag No. 1, Pennalur, Sriperumbudur Tk. 602117 India.

Phone : 91-44-27152000 (20 Lines)

: 27163783/27163784/27107016

Fax : 91-44-27162462 / 27162494

Email : acm@svce.ac.in URL : <https://www.svce.ac.in>



16/04/2021

Letter of Appreciation

We thank Mr. Palani Karthikeyan, Technical Consultant, Krosum Labs – Bangalore for acting as resource person in the “Certification Course on Linux System Programming” conducted by the Department of Computer Science and Engineering from 29/03/2021 to 08/04/2021 through Online mode.

The sessions were very informative, impressive and fulfilled the expectations of the targeted audience. The lecture started with the basics and gradually driven in to the different applications of Linux System Programming practically. The participants involved gained splendid knowledge and the course was well appreciated by them in all aspects. We expect similar kind of contribution and cooperation from him in the near future and for the promotion of the skills as well. On behalf of the faculty members and staff, we thank him once again for the memorable course.

Head of the Department

Dr. R. ANITHA, M.E., Ph.D.,

Professor & Head

Dept. of Computer Science & Engineering
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur Taluk - 602 117,
Tamil Nadu, India.



RAJALAKSHMI E CSE <eraji@svce.ac.in>

Fwd: Thanks letter - Logo Request - Reg.

2 messages

HoD-CSE <hodcs@svce.ac.in>

Fri, Apr 16, 2021 at 2:38 PM

To: RAJALAKSHMI E CSE <eraji@svce.ac.in>, BHUVANESWARI R CSE <bhuvana@svce.ac.in>, BUVANA J CSE <buvana@svce.ac.in>

With Regards

Dr. R. Anitha,
Professor & Head,
Dept. of Computer Science & Engineering
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur - 602117.
9952337212
hodcs@svce.ac.in
ranitha@svce.ac.in

Quality is never an accident it is always the result of high intentions, sincere effort, intelligent direction and skillful execution;

----- Forwarded message -----

From: <karthikeyan@krosum.com>
Date: Fri, Apr 16, 2021 at 1:24 PM
Subject: Re: Thanks letter - Logo Request - Reg.
To: HoD-CSE <hodcs@svce.ac.in>

On 2021-04-16 09:41, HoD-CSE wrote:

> Dear Sir,
> On behalf of the Department of Computer Science and Engineering, I
> thank you for being a resource person in the Certification Course on
> "Linux System Programming". The letter of appreciation is attached
> with this mail for your kind reference.
> The participants gained in depth knowledge about the Linux programming
> concepts practically. The participants have undergone the evaluation
> process and are qualified to receive the certificates except one
> participant.
>
> In this regard, we need your organization's logo to be printed in the
> participants' certificate.
> We expect the same very soon from you.
>
> With Regards
>
> Dr. R. Anitha,
> Professor & Head,
> Dept. of Computer Science & Engineering
> Sri Venkateswara College of Engineering
> Pennalur, Sriperumbudur - 602117.
>
> 9952337212
> hodcs@svce.ac.in
> ranitha@svce.ac.in
>
> Quality is never an accident it is always the result of high
> intentions, sincere effort, intelligent direction and skillful
> execution;

Respected Mam,
Thank you so much mam for your appreciation. I'm glad that participants have gained knowledge on Linux System Programming

We are always ready to be a part of such progressive sessions. We look forward with such opportunity to provide values to the students community.

We are happy with the way you organized the program and We convey our sincere appreciation towards it.

Note: We have attached our corporate logo this email.

Regards,
Palani Karthikeyan
Sr.Technical Consultant
karthikeyan@krosum.com
+91 9902084004
<https://www.krosum.com>

2 attachments

krosum_logo_HD.png
606K



krosum_logo_HD.pdf
1589K

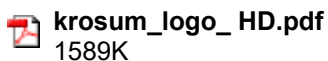
RAJALAKSHMI E CSE <eraji@svce.ac.in>
Draft

Mon, Apr 19, 2021 at 1:49 PM

[Quoted text hidden]

2 attachments

krosum_logo_HD.png
606K



krosum_logo_HD.pdf
1589K

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

March 11, 2021,

SVCE.

Submitted to:

The Principal,
Sri Venkateswara College of Engineering,
Sriperumbudur.

To: HOD - CSE
Approved
26
12/3

Through: The Head of the Department/CSE

Respected Sir,

Sub: Requesting Permission for Conducting a Certification Course on "Linux System programming"

The Department of Computer Science and Engineering has planned to organize a Certification Course on "Linux System programming" from 29/03/2021 to 08/04/2021 from 6.30 PM to 8.00 PM. The objective of the certification course is to be conversant with Linux Operating System and its design, to be comfortable in working with Linux environment and to be familiar with system IPC mechanisms practically. The target audience for the course are the students and staff working on Linux System Programming with basic knowledge of OS and C - programming and data structures as prerequisite.

The course provides a practical exposure on file management, file locking, process management, timers, resources, signalling mechanisms and IPCs. The resource person for the course is Mr. Palani Karthikeyan, Technical Consultant, Krosun Labs, Bangalore. We assure that the participants can gain knowledge on file and process manipulations in linux OS. We kindly request your approval for conducting the Certification Course on the above mentioned dates and time. The syllabus for the course is attached herewith for your kind reference.

Thanking You,

Yours sincerely,

R. Bhuvan
11/03/2021

E. Rajalakshmi,
11/03/2021

R. Bhuvanewari,

J. Buvana

(Co-ordinators)

Forwarded to Principal:
Dear Sir,

I hereby request you to kindly approve the same. The course will definitely support the students during their placement. The course is scheduled for 15 hours and the resource person is Mr. Palani from Krosun labs, Bangalore. kindly do the needful.
MVA
11/03/2021

Sri Venkateswara College of Engineering
Department of Computer Science & Engineering
Certification Program - Linux System Programming

Agenda

Session (From 6.30 PM to 8.00 PM)	Topic	Description
29/03/2021	LINUX Introduction	<ul style="list-style-type: none"> • Features of Linux • Layered Approach
30/03/2021	File management	<ul style="list-style-type: none"> • File Tree structure , file types and file systems • extended file system, UFS, VFS • proefs, super blocks , inode table
31/03/2021	I/O Handling	<ul style="list-style-type: none"> • Overview, FD table , System calls • Opening , closing a file, dup • controlling a file, file status and select
01/04/2021	File Locking	<ul style="list-style-type: none"> • Sharing data, Concurrency, RacE • Dead lock, synchronization, file locking • Flock, mandatory and advisory lock • read and write lock
02/04/2021	Process Management	<ul style="list-style-type: none"> • Process mode and space, Context Switch • execution context, process structure, state
03/04/2021	Process Management	<ul style="list-style-type: none"> • applications and limitations of execl • scheduling priorities, nice,, ZOMBIE state • fork(), orphan process and COW (Copy on Write)
04/04/2021	Timers , Resource limits and Log Messages	<ul style="list-style-type: none"> • Time zones, alarm, intervel timers • set and get timers, tsc, hard and soft resource lmt
05/04/2021	Timers , Resource limits and Log Messages	<ul style="list-style-type: none"> • set and get limits of system logs, sysconf • sc_clk_tck, syslog.h
06/04/2021	Signalling Mechanism	<ul style="list-style-type: none"> • Introduction to signals, signal Vs interrupt • receving signal, handling signals, sigstop, sigkill, signal Vs sigaction, kill
07/04/2021	Primitive Inter Process Communication	<ul style="list-style-type: none"> • IPC mechanisms, One way communication • 2-way communication, half duplex, unnamed pipe
08/04/2021	Primitive Inter Process Communication	<ul style="list-style-type: none"> • popen , pread , pwrite, process tracing and fifo • advantages and disadvantages with primitive IPC • strace and ptrace

Department of Computer Science & Engineering



Certification Course on Linux System Programming



29/03/21 to 08/04/21



6.30 PM to 8.00 PM



Mr. Palani Karthikeyan
Technical Consultant
Krosum Labs
Bangalore

Convenor

Dr. R. Anitha, HoD/CSE

Event Organizers

Ms. E. Rajalakshmi, AP/CSE
Ms. R. Bhuvaneshwari, AP/CSE
Ms. J. Buvana, AP/CSE

Mode : Google Meet

Sri Venkateswara College of Engineering
Department of Computer Science & Engineering
Certification Program - Linux System Programming

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Department of Computer Science & Engineering



Sri Venkateswara College of Engineering

Autonomous - Affiliated to Anna University
Pennalur, Sriperumbudur, Tamil Nadu | www.svce.ac.in



35 Years of Excellence

Attendance Certificate

This is to certify that **Ms. LAXMI MANOHAR U** of **Vasavi College of Engineering, Hyderabad** has participated in the **15 - Hours Certification Course on "Linux Programming"** organized by the Department of Computer Science & Engineering, Sri Venkateswara College of Engineering from 29/03/2021 to 08/04/2021



.....
Event Organizers

E. Rajalakshmi, AP/CSE
R. Bhuvaneswari, AP/CSE
J. Buvana, AP/CSE



.....
Convenor
Dr. R. Anitha
Head of Department



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Top Performer



Recognized Incubation Centre



Accreditations



Certified Organization



Department of Computer Science & Engineering



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35 Years of Excellence

Attendance Certificate

This is to certify that **Mr. AYMBADI DEVENDER** of **Vasavi College of Engineering, Hyderabad** has participated in the **15 - Hours Certification Course on "Linux Programming"** organized by the Department of Computer Science & Engineering, Sri Venkateswara College of Engineering from 29/03/2021 to 08/04/2021

Event Organizers

E. Rajalakshmi, AP/CSE
R. Bhuvaneswari, AP/CSE
J. Buvana, AP/CSE

Convenor

Dr. R. Anitha
Head of Department



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Accreditations



Certified Organization