COLLEGE OF ENGINEERING AND TECHNOLOGY **Techno-Travel Diary 2015-19**

"We have stopped optimizing for programmers and started optimizing for users"

Vol-5 issue 1



Vision of Special Team



Making UshaRama Recogised as "House of Robots" with Constructive Grey Masters



Muni Mahesh Technical Manager



2015 TO 2018 HIGHLIGHT\$/PROJECTS †ESTIMONIALS

INDEX







Media & work spaces





THANK YOU HEADS

About 2014-15

An Year of Start-UP Engineers

Highlights : An Algorithm to predict the cricketing score using R-Statistics.

A mining module to online cricket Networking :

Since cricket is one of the popular games played across the globe, there will be significant challenges for accurate prediction with difficulties like pitch, weather, due etc. This project predicts and declares the natural decision of winning or losing matches using data mining projects. Apart from predictions, the algorithm finds a solution in achieving the target even. This has been even tested in real time scenarios for better outcome.





Other projects

- 1) Social Networking web development using Pyth Django
- 2) Big Data Analysis for Location Based Services
- 3) E-commerce web development using Groovy on Grails
- 4) Design, Predict and Modulate for Live Cricket matches
- 5) Selenium testing for Multiple Web Development Projects
- 6) Private cloud setup for Internal Usages



ABOUT 2016 SPEC OS

Highlights: A project of Special Team OS

Information Technology acquired the global market and need more customizations for better performance and throughout. The underlying of all software's is based on the Operating System. So this project includes an OS design for our college (usharama) usage by following the set of methodologies for specific set of applications. This results in quick processing of applications as per the priority.

Requirements: Kubuntu, Debian, Remastersys.



- 1) A Customized Real Time Operating System for Institutional usage
- 2) Local Search Engine for Operating systems
- 3) Consultancy Project for Admissions e-bill generation
- 4) Consultancy project for automatic pay-slip generator
- 5) Open Hand Mouse Mover using Python
- 6) Satellite movement using PLC and SCADA
- 7) Geo-location tagger offline by developing the application on cross-platform
- 8) Content Digitalization : Download CV data automatically from LinkedIn
- 9) Cross platform development for language translator
- 10) Dynamic Routing for dispatch tracking based on Al
- 11) Vehicle counting & Tracking using Open-CV
- 12) License plate Detection using Open-CV



"Special Team is the Multi disciplinary platform of practical orientation to explore your hidden talents" AzeezPatan-SCADA Engineer at Indiaplast.

uccessful team is a group of many hands and one mind, that happens only Special Team"... Sandeep Godavarthi-IT Consultant at Brocade Network





"Hands on experience in solving and exposure to problem solving of real world complexities is a whole lot of fun learning new things everyday ".. Jaya Krishna-Java / web Developer at TCS



"Putting the theoretical concepts into practicality is the special trait taught here! Pragna- Associate Business Dev at Trajectus

You find the courage to Rise and fight back for yourself both technically and personal Aishwarya- Associate Consultant at Synte





'One can witness the life of a real corporate person with a flexible working environment' Teja KNV- Big Data Engineer Nielsen India





"A platform of Infotainment where information is provided in a more effective manner". YASASWINI- Sr. System Engineer at Cognizan







have been technically overridden' RABBANI -Business Associate at Accenture

> "Only place of journey startr with core basics to corporate logics SHARIEF- Automation Testing at HCL





"Gives a better opportunity to learn technologies and provides hands on experience that prove worthy in corporate culture" DEEPTHI- Business Analyst at HCL



"I had an idea where SP filled it " Pavan Open-CV / Jr. Data Scientist at Accenture & Tetherbox



"Special team is a brand that connects people emotionally"





"Credits to usha rama for establishing this environment at student level" Shanthini- Java / Web Developer at TCS.

About 2017 DESIGN AND DEVELOPMENT OF RAMAYAN

A graphical Project of explaining the greatest Indian Epic "Ramayan"

This project is a new era of describing Ramayan using neo 4g and wiki data. They have taken the wiki data and parsed it with python that is integrated with neo 4g. This is a graph which can show any type of relation like father of, mother of, enemy of etc. And can also show who has killed whom. Requirements:

Neo 4g, python language, wiki data





1) Admission predictor - By analyzing the admission data of any institution, a custom modern data science formula can predict the future joiners

2) Automatic Attendance (Published in the paper)An automatic Attendance Android App can fill the excel as per the attendees attended the class based on MAC address of every device and also it showcases the absolute productivity based on time spent

3) Customer Analysis – Product Review through un-structured customer rating data using Hadoop

4) Fake calculator – A real time use-case at USA (see at the time of recent presidential elections. Analyzing the facts in the news (crystal / raw) and predicting the failure rate in the data

5) SOLR indexing on yelp data and analysis through HUE

6) Custom university ranking using Pentaho Analytics based on users requirement (MS Related projects)

7) Making the Legacy Technologies (mysql) faster using Spark

8) Twitter Analysis – A live data is taken from twitter based on the requisition and analyze through word cloud or histogram report



"i't is the complete definition of successful achievement through the untrodden paths by shedding the blood and tears of the people out there "..

D. Chandrahas- Hadoop Developer af GSPANN Technologies

"Special team brings you feel of how cool being a techie canbe". Chand Basha- Data Analyst at Efftronics



"My picture on the walls of SP says everything about my passion towards it" Kiran Aaradhya- CEO at Studio 3, International grappling champion.



About 2018 An year of Robotics

Serving bot: Serving Bot is a project made on low cost by attaching the pvc pipes and usage of Raspberry pi kit and motors which is overall controlled by an Android application to serve the specified user



Harathi bot:

Harathi Bot is designed using a Raspberry pi kit and two motors in which one is used to operate the bell and the other is used to rotate the Harathi stand by syncing the holy songs along..

Home Automation:

Home Automation like fans, lights and curtains can be controlled with an Android app with relay drivers connected to a Raspberry pi kit

Other Project List:

- 1) Painting Using Java
- 2) IoT Smart Mirror telecasts miscellanies apps
- 3) IoT Coffee Machine controlled by Analog Clock
- 4) Hydraulic Fuel
- 5) Gaming using Face Recognition
- 6) Selfie-Attendance
- 7) Door Unlock System using IOT





"It's a place about working together, managing together and developing from discussions" Gayatri- Interior designer at Trendz Infratech



"life takes you to unexpected places but sp brings to you lead a successful life" --

Guna- Angular JS developer at Ancons





"I have played my first game which i had developed" Datta- Game Developer at JumpStart

"Get yourself exposed to successful S(p)MILE" Mouli- System Engineer at Wipro





"You Find the courage to RISE/fight back for yourself" Ramya- Trainee at Google Pay



"its a lesson of balancing both personal and professional lives"

Praseedh- Cloud Engineer at PragmaEdge



"I have learnt everything and would love to stay and spend all the time in that room" Anvitha- HR at Likha Business Solutions



Place to find our inner talent. Lokesh- Associate at Cognizant

"The place where everyone gets opportunity to shine" Uttej- System Engineer at Infosys



Noteworthy squad which will provide experience = corporate life, hence can easily succeed in real life

priya praneetha-System Engineer at Wipro



"a team is not a group of people who work together, but to trust each other" Vasanthi- MBA at Xavier



"My life of fighting between Govt. job and Hadoop job. Hadoop wins the race due to SP" Seenu- Hadoop Developer at Aadhya Analytics





"Each one of us make a difference, but together in sp we can make a change"

Manoj- MEAN STACK Developer at WOP













#HoodieMania



An Era of Magic Tree: 2019

PUNCHING BAG:

An innovative way to water the plants which can also be exercise for the human body.

This project is done by the composition of ECE & EEE students. When a person punches the bag, automatically plants get watered.

The punching bag is equipped with husk and a gyroscopic sensor. That notes the readings depending on the intensity of the punch and will be sent to raspberry pi. Raspberry pi controls the motor and the plants are watered. The moisture sensor detects the water level. If the water level is insufficient, water will be passed through pipes. If sufficient, the program is being stopped from running.

Tools used: PVC pipes & fittings, plants with pots, raspberry pi, punching bag, rice husk, gyroscopic & moisture sensors, connecting wires, 12v DC motor & adaptor, node MSU(ESP8266), uninterrupted potent superand a water tin.

MAGIC TREE:

This is completely made by our students itself. This is an amalgamation of EEE, CIVIL, CSE and ECE branch project. It can see, listen and talk. Similar to Google assistant, one can have a small talk with it & ask for the weather report; setting remainders etc. this can also detects the objects. For e.g.: when someone is using an object specified to it for so long, it asks the person that what is he doing with that.

This also has a feature of video recognition. With that feature, it can ask random questions to the person who's in front of it. In addition to that, it can detect the emotions and can have a cross-talk with it.

Tools used:

Camera, mike, focus lights, processor and speakers. Iron pipes, mesh & rods, fevicol, News papers, card board, artificial leaves & grass, strip LEDs, flash lights, fiber material, wooden plank

#Makers from Multiple dept (EEE,CIVIL,CS,IT,EC):-

Meghana, Vasanthi, Akash, Eswar , Kowshik, Sai Ram, Krishna, Divya, Pavani, Kundan, Munesh, Mukesh, Subodh, Meher, Chanakya, Saran, Nagini.

About 2019 CAMERA MOVER:

This project is made by ECE, Mechanical and CSE students.

To video shoot any occasion, we need man power to handle it. This is a replacement to the human. With just few instructions, we can video cover the events In this project, a moving bot will be fixed with a camera backwards. We need to take a photograph of the person we want to video shoot. According to the directions of the person using screen co-ordinates, it also moves accordingly.

In case of emergency, there is even a remote to control the bot

Tools used: 12v DC motor, ultrasonic sensors, voltage regulators, logitech camera, servo motors, raspberry pi, connecting wires, wheels, wood, plastic glass, covering sheets, python & open cv.

SCOUT BOT:

A salute to the flag is a salute to the soldiers. This bot is made by a fusion of Mechanical, ECE and CSE students. Since a professional salute can't be done by everyone, this bot is made that way When it is switched on, it march fasts with the pre defined music. When reached to the destination, it salutes. With the help of an android control, the direction of the bot can be authorized by the user. Tools used: 8-12v Johnson motors, 2 servo motors, 2-12v battery, 4-L298N drivers, 12v DC fan, speaker, raspberry pi, caster wheels, connecting wires

Makers:

 \ast

*

Sandeep,Ganesh, Sai Ganesh, Jyothi, Prasanth, Bhushanam, Chanakya, Saran, Harsha, Sri Ram, Veera Sekhar, Divya, Narendra,Jagadeesh,Kavya

Priest Bot:

This project is a blend of Mechanical, ECE and CSE students. In olden days, we used to have priest for worshipping the god on behalf of a common man. This bot is a replica of priest. 17

When you provide supply to the bot, 6 columns will be displayed namely: name, gotram, skip, rotate and remaining for mantras. With the help of keyboard, one can enter their name and gotram in the provided boxes and select the matras. The bot starts harathi along with matras including the name and gotram in it. After the completion of mantras, the bot turns 180 degrees around for the people to take harathi. Once it's done, we have to select rotate button for the bot to turn back towards the god

Tools used: 4-12v Johnson motors, drivers, raspberry pi & display, speaker, keyboard, adaptor, harathi plate & bell, 4 wheels, iron pipes, bearings, 2-(12v, 2A) power supply, connecting wires.

Welcome Bot :

This bot is made by ECE, Mechanical and IT students

Generally when we went to any new place, there will be either man power or direction boards to instruct us. In substitution to both of those, a line follower bot will help people to reach their destination in new places. This bot using ultrasonic sensors, detects the person. When they come near to it for help, they need to enter their name, mobile number and destination path. Then it shakes hands with the person by reading their name. The inbuilt printer generates an ID pass with UR logo and their details. Using line follower sensor, it takes the person to their destination and comes back to its place

Tools used: raspberry pi, LCD screen, iron, #Makers:

Surya, Chanakya, Ganesh, Abhinav, Jagadeesh, Bhushanam Bhargay.































INTERESTING FACTS

2015:

- 1. Special Team has only two months of time in that year where students has worked for more than 12hours
- 2. 40% of students got job in Hadoop & data engineering
- 3. 2 students of them are settled as Data Scientists
- 4. Convocation is the most fascinating day for special students **2016**:

5. A batch of consultants

Computer engineering has handled by 4 students Electronics has handled by 2 students Electrical handled by 1 and Organizing by 2

- 6. Almost 5 students are pre-interns at Cenele research
- 7. 4 projects has been deployed for in-house usage like pay slip generator, exam cell & admission generator

2017:

8. A Special Room has been granted for Special Team.9.The whole room design is done completely by students.

2018 :

10.A huge campus funding has been started this year.11.A new era of magazine like flipping book has been de signed.

12.Robotics and gaming has been started.

13.A new dressing style like hoodies been wore.

14.Mechanical and civil departments have been joined in addition.

17.Almost 10+ innovative projects has been done.

2019:

18.Official logo has been approved for special team.19.An other room has been added.

20.All the departments has been worked collaboratively for a project called MAGIC TREE.

21.80% of projects are on robotics.

22. Entered into a new era of describing – Animation videos.



a Dilabort

ఎన్నికలలో విజేతను విశ్లేషిస్తున్న సమాచారం.

– కామారు, న్యూస్ట్రీటుడే



సెచ్రించి రోహియారిం ఇక్క క్లిక్త్ ొందూయణం మహాకాద్యం. ఎంత వదివికా, మిక్నా తనివికీ రదు. త్రీతాయగం నాటి ఈ ఆద్భతమైన చరిత్రనం ఇప్పటి తరిగికి పరిచయం కేసిందుకు సమందిగింతారు ఆ యువ රුරින් බෙරු හාග් සිපැලික ප්රා.

వాయా సంపత్తతండి జయ్యం ముత్తం మూరింద జవిష్మతపవుతండి శాహురుణం ముత్రాన్ని విటీపీటతా నుంచి సకరింపోరు ఆ విజ్యార్యం పీర్బొన్నాడ. ప్రతాన్ పరిధాపున ఉపయోగించి ముత్తాన్ని ఓ కోత్గా మార్చి రాముదు, సేత,

లక్ష్మణుడు, హానుమంతుడు, కాతణుడు, విభీష రు. జలా రామాయణానికి నయించించిన అందరి పేర్లను పొందుపరితాడు. ఈ పోత్రగల గరించి తెలుసుకోవా అంటే వాటిస్టు జ్రోతిల గరించి తెలుసుకోవా అంటే వాటిస్టు జ్రో దేయానే, టిస్ట్ మిసేజ్ పాంరో మనకు సమాతారం అంటు బ్బు మెనజి తావంలో మనకు సమాతారం అంత ఉంది. దీని ద్వారా రామాయజాన్ని అతి తప్పవ సమయంలో తెలుసుకోవర్సని కళాలం రైనెస్టర్ పుర్రా రాజకీఖర్ తెరిపోటు. మహీష్ బృందాన్ని ప్రస్నిపోట్ ద్వార్ జీర్లీడ్ జీర్లీస్ ఎం ఆధినందిం నారు.

- ఉంగుటూరు (గన్నవరం)

ನಾತ್ರಿ 10511 Sunday 4 June 2017



aod mod amp. జెలనజో కాలంలే రామాయణం న్నారు ఉంగుటూరులోని 4200 20 1005000 కణారాల సినిస్తి ఫైనల్ కర్కార్తులు. రఫురాం, క్రీనిపాష్ నకక్ బృందం

కావాళ్ళిన వారి పేర్లతో ఎన్ని కావాలో అన్ని పైల్సిను అందుకునేలా వ్యవస్థను రూపొందించారు.

మాయకా సందర్భ సందర్భంత్రి బాల్, భూర్ భూర్నిల్లో మొందరులు కురిపోరంతు, అందులో శ్వామంకి బాల్ కి.మికి ప్రక్ నురి కురారాగ్ని కీమిప్ సైకరోక బాబ్యాతుంది చిర్దిన్ను బాల్ కీమీప్ సమారాధ్య ప్రభ్యుత్తం కుర్యాల్ కైక మొంది ఇద్దులు ఈ కుహిరారి మిత్రం కోర్యకి ర్యాం ప్రద్యుత్తం ఈ కుహిరారి మిత్రం కోర్యకి ర్యాం ప్రద్యుత్తం ఈ కుహిరారి మిత్రం కోర్యకి ర్యాం ప్రద్యుత్తం ఈ పోలించిందారు.

్రామ్ అంటుంల రూపొందిందారు. ఈ సాఫ్టెవేర్ వల్ల ఉపయోగాలు ల సాఫ్ట్ కేర్ సంస్థలు, ఎక్కువమంది ఉద్యోగులు ఉన్న సంస్థలు, విశ్వచిద్యాలయాలు, కళాశాలలు ఎంతమంది

వివియోగించిన సాంకేతికత

మధ్య తరగతి somoth చట్రం తయారికి గొట్టాలు, ప్రెషన్ వ పేందుకు వాడే హె పీలయ్య రిడియం స్పంది. పోర్టరింగ త్వారా నియంక్రింగ త్వారా నియంక్రింగ 99 TRA a byžiši, viši šunit viega tešta, noviječas pas ježi kali pri statu tešta pas pri statu tešta pas pri statu tešta pri stat



డుతుంది. ఆయా అవసరాలు ఇందులో చూర్పాలు చేసుకొన – మ్యాప్టుడే, తెల్ల



అందించగానే అందరి (దువపిణాలు కరుపణ వచ్చలా ఆలోమేటిక్ సీడీఎఫ్ జురేటర్ సాఫ్ట్రోవర్ టుపాందించాటు. ఆధురికి సెంప్రేకరళు దిరియోగించి ఇప్పుడు అదే సాఫ్ట్రోవరళో కట్నవ సమయంలో లక్షటర్రుగా (దుపపుణాలు టింట్ అయ్యేలూ చేసి శెభాష్ అదిపించుకున్నారు.

రావాలంటే అంత మంది పెళ్లతో వారికి కావాలైన నమానాలో (ద్రువపడ్రాటు లేదా.. ఇతర లెటవు.. సమాదార లెటవు తప్పువ సమయంలో అందిందవత్తు O ఎటువంటి సాజిరేత పురికానం లేనివాలైనా ఈ సార్ట్వోవర్ను ఉపయోగించేలా రూపొందించారు.

ఈ తరహాలో మొదటిది

వేరుదుది సెర్టల్ ప్రధాల్లి ప్రవస్తులు, ఇతర లెట్టు అందిందటం ఇదే మెందటి దీపాల్ల జహిళ ప్రదూజనాలు ఉన్నాయి. ఈ ప్రొకెక్షిప జహిళ ప్రదూజనాలు ఉన్నాయి. ఈ ప్రొకిక్షిప జీపినికేపి ప్రసాదు, ప్రధ్యక రాజికరణ సహియ పహిధారాలు అందించాతు. ఈ స్పోపేరు మరోపు మెదుగులుదిద్ది పేటుంట్ హక్కులకు విశరాం.

- అశ్విన్ కుమార్, జిటెక్, చివరి సంవత్సరం





పరిచుం దేసిందున సమరిగించారు ఆ యు కులు. మదుర కాన్యాలు, ప్రస్తాలు చిషి ఉధ సావసు జీవిదు ఆ గ్రాదం మెంత్రాగ్ని గ్రాదం సంరోజ మార్రి, శ్రీనాయికి చిధ్రము (రాజిక్రగా ఇచ్చారులాగు, నేమరి విశ్వమికి దూహించిందారు. రామాయంలోగు ప్రాథలు మధ్య కూడదెక్కారు. సాపూరిమంలోగు ప్రాథలు మధ్య గురుత్వారు. సిద్ది జ్యూరం ఈ నోపిర్ల ప్రోథ దేయాగి ఇ ప్రాథమి సంజలకించిగు మధ్యం సుమాలారం ఎప్పు తన సుదం ప్రాథారు. ప్రాథారు

Journey Of Sp Graynions Workspace photos

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#Special Thanks to:sagar,chaitanya,mahesh,bhanu,surya #Maintenance Department #Supported Staff

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