| Time | Given Name | Family Name | Organization | Type | Session Topic | Abstract of talk or project |
|---|---|---|---|---|---|---|
| Saturday March 14 | | | | | | |
| 9:00 AM | Registration and Breakfast Snack | | | | | |
| 10:00 AM | Ankit | Bahuguna | Technical University of Munich, Teradata GMBH and Mozilla | Talk of 25 minutes | Sentiment Analysis: Machine Learning with Python Scikit-Learn | A basic task in sentiment analysis is classifying the polarity of a given text at the document, sentence, or feature/aspect level i.e., whether the expressed opinion in a document, a sentence or an entity feature aspect is positive, negative, or neutral. Application areas include: Movie or Product reviews to stock market prediction. A simple example: The movie interstellar was super awesome.. loved it! (POSITIVE) or, Pathetic movie!!! I barely made it through the intermission! (NEGATIVE). Using simple machine learning techniques for data mining with Sci-kit learn and Python, one can create such systems for their own product sites and gain useful insights about various products automatically. |
| 10:30 AM | Deepak | Karki | PES Institute of Technology | Talk of 25 minutes | Enabling Cyber Physical systems using Beaglebone Black and Python | I will be covering the developer tools available to build cyber physical systems using opensource hardware and software (in this case, the Beaglebone Black and the Python programming language). The talk will cover 3 main tools available to the developer community.<br>1. PyBBIO - Beaglebone IO using python. I'm a co-author for this project.<br>link : https://github.com/alexanderhiam/PyBBIO<br>2. PRUSepak - Real time control using the PRU remote-processors on the Beaglebone Black. I'm the primary author for this project.<br>link : https://github.com/deepakkarki/pruspeak<br>3. Project Zygote - A IoT framework centered around the Beaglebone Black. Written using Flask, a python based web framework. I'm the primary author for this project.<br>link : https://github.com/kres/zygot |
| 11:00 AM | Praveen | Patil | ExpEYES | Talk of 25 minutes | ExpEYES: Python Powered Open Source Pocket Science Lab | ExpEYES (Experiments for Young Engineers and Scientists) is an Open Hardware and Free Software framework for developing science experiments, classroom demonstrations and projects and is from the PHOENIX project of Inter-University Accelerator Centre, New Delhi. ExpEYES brings the ability to perform experiments with reasonable accuracy and opens up an entirely new path for learning science. It aims at providing thousands of students and young scientists with an open source, low-cost lab in their pocket. Design of ExpEYES combines the real-time measurement capability of micro-controllers with the ease and flexibility of Python programming language for data analysis and visualization. http://www.expeyes.in |
| 11:25 AM | Aleksandro | Montanha | Seebot | Talk of 25 minutes | Smart Cities and image processing | With the advent of mobile computing , popularized mainly by the increase in computing power and low cost devices, users using this technology passed more collaboratively to explore resources that were previously constrained to the personal computer . with this new behavior and mobility of possession , there was a significant increase in generation of media for later sharing on social networks. Currently the number of images captured and stored is huge , but there is currently no mechanisms and methodology for effective indexing for later intelligent search these files. The purpose of this presentation is to present is primarily the challenges and intelligent image processing in order to allow indexing of images for further analysis in the context of smart cities . |
| 11:50 AM | Group | Photo | | Photo | Group Photo | Group Photo at Blk71 |
| 12:00 PM | **Lunch Break** | | | | | |
| 1:00 PM | Dhruvkumar | Gohil | IshiSystems | Talk of 25 minutes | Protoype for Production. Get ready to launch in a week with Django+Ansible and friends! | Sharing our whole Idea -> Execution -> Production work flow and tooling (all open source) centred around awesome Django. Ansible + AngujarJS + Postgresql Full Text Search + Supervisord + Nginx+Uwsgi. Also includes best practices used with Trello + Git and lot of common sense! Following features will be highlighted in the talk:<br>Fully automated deployment on fresh machine using Ansible.<br>AngularJS + Bootstrap integation with Django for quickest UI builtup.<br>Fully externalized authentication with Python social auth integration with Django.<br>Production ready infrastructure with Nginx+Uwsgi+Django+Postgresql<br>FullText search integration with Django PGFullTextSearch integration.<br>Fully automated upgrade and rollback using Ansible.<br>Schema migration and rollback using Django-South.<br>Data migration using Django-management commands.<br>External service management and integration using supervisord using Ansible+Supervisord<br>Monitoring integration with psDash<br>Trello boards for fast forwarding product life cycle tracking.<br>Master-based "Always ready for production" development practices in git/pycharm/webstorm |
| 1:30 PM | Nikunj | Thakkar | Ishi Systems | Talk of 25 minutes | Never build a login again : The art of using Social Auth with Django | In era of Agile software development, wasting time behind building user management functionalities is a bit overhead. In addition to that there are security concerns for storing crucial information about users. Users trust giants and so we. There are plenty of use cases where products fails just because they are unable to attract users.<br>=> Effectively using Social Auth with Django<br>=> Saving your time during rapid development using Social Auth and Django<br>=> Delegating authentication responsibilities to Social Auth providers<br>=> As easy as 1,2,3 : Actual power of batteries included framework<br>=> A quick demo |
| 2:00 PM | Stephen | Turnbull | University of Tsukuba | Talk of 25 minutes | The Zen of (Python) Software Maintenance | What makes a successful software development community? A good product based on good programming is important, of course. A common philosophy of quality in software helps keep the project on track. Also important is a community that welcomes "new blood", facilitates interaction, and fosters the development of its members. Based on interviews with leading developers and community leaders, we look at how these factors have influenced the growth of Python into one of the most popular programming languages. |
| 2:30 PM | Ricky | Setyawan | MySQL | Workshop of 1 hour | How to setup web scalable architecture with MySQL Fabric | MySQL fabric is a tool that was launched as part of MySQL Utilities 1.4. Fabric is written in Python and includes a special library that implements all the functionalities provided. It seeks to make horizontal scale-out through sharding more accessible to users with growing data management requirements. This integrated framework supports management of large farms of MySQL servers, and includes support for sharding and high-availability. In this session, we will share how to setup a scalable web architecture with fabric. |
| 3:00 PM | | | | | | |
| 3:30 PM | Deepak | Karki | PES Institute of Technology | Talk of 25 minutes | Enabling Cyber Physical systems using Beaglebone Black and Python | I will be covering the developer tools available to build cyber physical systems using opensource hardware and software (in this case, the Beaglebone Black and the Python programming language). The talk will cover 3 main tools available to the developer community. 1. PyBBIO - Beaglebone IO using python. I'm a co-author for this project. link : https://github.com/alexanderhiam/PyBBIO \| 2. PRUSepak - Real time control using the PRU remote-processors on the Beaglebone Black. I'm the primary author for this project. link: https://github.com/deepakkarki/pruspeak \| 3. Project Zygote - A IoT framework centered around the Beaglebone Black. Written using Flask, a python based web framework. I'm the primary author for this project. link: https://github.com/kres/zygot |

| Time | Given Name | Family Name | Organization | Type | Session Topic | Abstract of talk or project |
|---|---|---|---|---|---|---|
| 4:00 PM | Kushal | Das | Python Software Foundation | Workshop | Python Compendium | Python Compendium |
| 4:30 PM | Wrap Up | | | Talk | Wrap Up in Main Room | |
| **5:00 PM** | **Hackerspace** | **Singapore** | | **Meetup and Hacking** | | |