

# Social and Outreach Activities in Rural India



**Bridging The Digital Divide by teaching Computers at Government Schools**



**BE A MAKER**

**Enabling Kids to build projects/ prototypes from their Ideas**



**FreedomBox**

**Community Networks to provide digital access across village**



**COMMUNITY DIGITAL LIBRARY**



**Digital Literacy and Empowerment through Technology For Rural India  
Maredumilli | Gangavaram | Vijayawada**

## Swecha Learning Centers and MOUs

Swecha organizes Clubs/Communities in Colleges with student members as a Professional Society



## Free and Open Source Technologies We Handle

- Responsive Web Development
- Full Stack Development
  - MERN/other Frameworks
  - Python Django
  - Python Flask
- UI Design with Penpot
- Devops - Docker & Kuburnetes
- Chatbots with Botpress
- Image Processing: OpenCV
- Linux Adminstration
- Git
- Python
- Arduino & IOT
- AI Tools
- Flutter Mobile Apps
- Designing with Inkscape
- 3D Animation : Blender
- Wordpress
- And Many more

## Professor of Practice/Adjunct Faculty

Industry experts of Swecha Community contribute as Board of Studies members and delivery of curriculum

## Free Software Solutions



- Meeting/Online Classroom (meetup.swechaap.org)
- Learning Management (LMS) (courses.swechaap.org)
- ERP and Work Management (work.swechaap.org)
- Cloud File Managment (office.swechaap.org)
- Git and Open Source Codebase ( code.swecha.org)



**swechaap.org**



Swecha AP is a community of Free software enthusiasts, IT Professionals, freelancers, students, academicians advocating Free and Open Source to build **“Technology for Society”** and to liberate knowledge for the commons .

We are a Not-For-Profit organization working in Andhra Pradesh since 2007 registered as Society with 12A and 80G.

**Reach us @**



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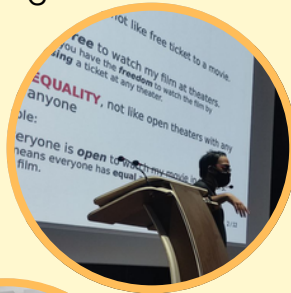
**S6, AB Towers, Jammi Chettu Center,  
Mogalrajapuram, Vijayawada |  
Swecha Knowledge Center**



## Guest Lectures/Talks

We conduct insightful talks by the professionals on Free Software, emerging technologies and open knowledge

**Duration:** 1 -2 Hours



## Workshops

Hands-on sessions on Free and open-source technologies leading in the community and job market.

**Duration:** 1 or 2 Days



## BootCamps & Sprints

Project oriented problem solving led by industry experts and mentorship with gamified learning

**Outcomes:** Technology training, basic design thinking, Team work, Brainstroming Ideas, Surveys, Expos

**Duration:** 3 to 5 Days



## Value Added Courses

Delivery of course work/Lab curriculum focused on FOSS technologies, Design thinking in alignment with academic policies by Industry Experts and developer pool

**Duration:** 1 Week to Semester Long

Learn

Explore

## Conferences/Summits/ Freedom Fests

Advocating Free Software, Knowledge Commons and Trends in technologies through lightning talks, Keynotes, Fireside chats, unconferences, panels, demos, Expos, Literary, Tech activities hosted by our SLCs to involve their campus and surrounding colleges and communities

## Map-a-thons

Open source mapping activity to contribute for everyday maps, data analytics etc using Open Street Map and other projects.



## Edit-A-Thons

Contributions to Wiki Projects aiming to make knowledge accessible to the public and establish a free and open online encyclopedia for everyone. Contributions include Article Editing, Localization in telugu or others, Wiki data, images through commons

## Data-thons

Open Data Contributions in various forms and annotations to release a open source datasets for the AI community

## Hack-a-thons

Overnight Tech for Society Hackthons to engage problem solving for society using Free Software.



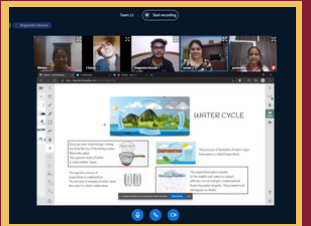
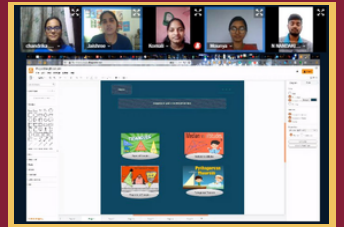
## Online Internships

Contributions to open source projects maintained by Swecha, Other communities or individuals .

### Key Aspects:

- Open Source Contributions
- Agile Software Development
- Mentor Led Project Development
- Industry and Developer Led Projects
- Training on Free Software Tools
- Storyboarding and Design Thinking
- Teamwork and Interpersonal Skills
- Under AICTE, APSCHE

**Duration:** 4 Weeks to 8 Weeks



## Internships/Fellowships

In Person Internships and Fellowships to contribute to Swecha Projects, Products and Services

### Internships/Fellowships Roles:

- Software/Full Stack Developer
- Hardware Engineer
- Policy Research
- Social Media and Marketing
- Accounting and Finance
- Open Knowledge and Data Interns

**Duration:** 3 Months to 1 Year



## Community Service Projects / Social Internships/ Design Thinking

Inculcating Community Culture and Social Conciousness through contributions towards various aspects of societal development through various initiatives like

- Digital Literacy for daily lives
- Open Knowledge Systems
- Computer Literacy
- Digital Archives

Students will involve in learning and applying

- Design Thinking principles
- Survey Methods
- Community Interactions
- Data Analytics
- Documentation, Filming and archiving



Contribute