Schedule for FDP on Free Open Source Tools For Education and Research			
Timing	**Activity**	**About the activity**	**Webpage Link**
10:00AM - 10:30 AM	Inaguration	Opening talk by Prof. D. K. Singh (Director BIT Sindri), Introdcution of Expert speaker by Coordinator	
10:30 AM - 11:00 AM	Overview of Spoken Tutorials	A Spoken Tutorial is a screencast with running commentary, a recording of computer session created for self learning.	https://spoken-tutorial.org/
11:00 PM - 11:30 AM	Overview of FOSSEE	FOSSEE (Free/Libre and Open Source Software for Education) project promotes the use of FLOSS tools to improve the quality of education in our country. We aim to reduce dependency on proprietary software in educational institutions. The FOSSEE project is part of the National Mission on Education through Information and Communication Technology (ICT), Ministry of Human Resource Development (MHRD), Government of India.	https://fossee.in/
11:30 AM - 12:00 PM	Scilab and related activities	Scilab software, free/libre and open source reference in numerical computation software. Scilab is used in all major strategic scientific areas of industry and services such as space, aeronautics, automotive, energy, defense, finance and transport.	https://scilab.in/
12:00 PM - 12:30 PM	OpenModelica and related activities	OpenModelica is a free/libre and open-source environment based on the Modelica modeling language for modeling, simulating, optimizing, and analyzing complex dynamic systems.	https://om.fossee.in/
LUNCH BREAK			
2:00 PM - 2:30 PM	DWSIM and related activities	DWSIM is a multiplatform, CAPE-OPEN compliant chemical process simulator for Windows, Linux, Android, macOS, and iOS. It helps to understand the behaviour of Chemical Systems by using rigorous thermodynamic and unit operations models.	https://dwsim.fossee.in/
2:30 PM - 3:00 PM	Python and related activities	Python is a general-purpose, high-level, remarkably powerful dynamic programming language that is used in a wide variety of application domains.	https://python.fossee.in/
3:00 PM - 3:30 PM	eSim and Arduino	eSim (previously known as Oscad / FreeEDA) is a free/libre and open source EDA tool for circuit design, simulation, analysis and PCB design. Arduino is an free/libre and open-source microcontroller board and an electronics prototyping platform popular in academia as well as in industry.	https://esim.fossee.in/ https://oshw.scilab.fossee.in/

Time	Software	Description	Link
3:30 PM - 4:00 PM	OpenFOAM	OpenFOAM (Open source Field Operation And Manipulation) is a free/libre and open source toolbox which is used in academia and industry to solve continuum mechanics problems, including Computational Fluid Dynamics (CFD).	https://cfd.fossee.in/
4:00 PM - 4:30 PM	R	R is a language and environment for statistical computing and graphics. R provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering, …) and graphical techniques, and is highly extensible.	https://r.fossee.in/
4:30 PM - 5:00 PM	Osdag	Osdag is a cross-platform free/libre and open-source software for the design (and detailing) of steel structures, following the Indian Standard IS 800:2007. It allows the user to design steel connections, members and systems using a graphical user interface	https://osdag.fossee.in/