



**B. V. V. Sangha's
Basaveshwar Engineering College, Bagalkote**

Report on IIT Bombay Spoken Tutorial

Introduction: An Initiative of National mission on Education through ICT, MHRD, Govt. of India to promote IT literacy through Open Source Software. The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, LibreOffice etc. via an easy Video tool.

Objective: The entire above mean a big deal to students for their career with recruitments and at PG interviews. Today, SMEs and Govt. departments are moving to open source Software like Linux OS. Students with this knowledge will have an edge in the job market. They can also become entrepreneurs and use Open Source Software in their businesses and save money.

Benefits to students and teachers:

1. This distance education method is highly conducive to learn in the campus of Basaveshwar Engineering College (Autonomous), Bagalkot.
2. To come into the program a college has to pay Rs.25000/ as a subscription fee to train students on any number of courses with Certification.
3. Enrolling and learning from the course involves no cost.
4. UG, PG or Research scholar students and even teachers of Science, IT, Engineering, MCA disciplines can learn any of the FOSS.
5. Any student or faculty of the campus can start and master the FOSS in respective subject. As well upon successful completion of the course and examination can get the certificates.
6. Inculcate mode of self-learning

Major Highlights of Spoken Tutorial Project:

- Spoken Tutorial Project (IIT Bombay) of government of India is funded by the National Mission on Education through ICT, MHRD.
- The Spoken Tutorial project recently received a “Google MOOC Focused Research Award” to do the work, extending the Offline Capability of Spoken Tutorial Methodology. UGC, AICTE has also recognised it as an important E- content and it is also a part of National Digital Library.
- So far through this project, a total of 42 Lakh students were trained in the past four years all over India. Spoken Tutorials cover many useful IT topics, such as Basic IT Literacy, Tux Typing, KTurtle, C, C++, Java, PHP, Linux, Scilab, Python, Open FOAM, PERL, Ruby, Libre Office, Blender, GeoGebra, Jmol, GChemPaint and Inkscape.

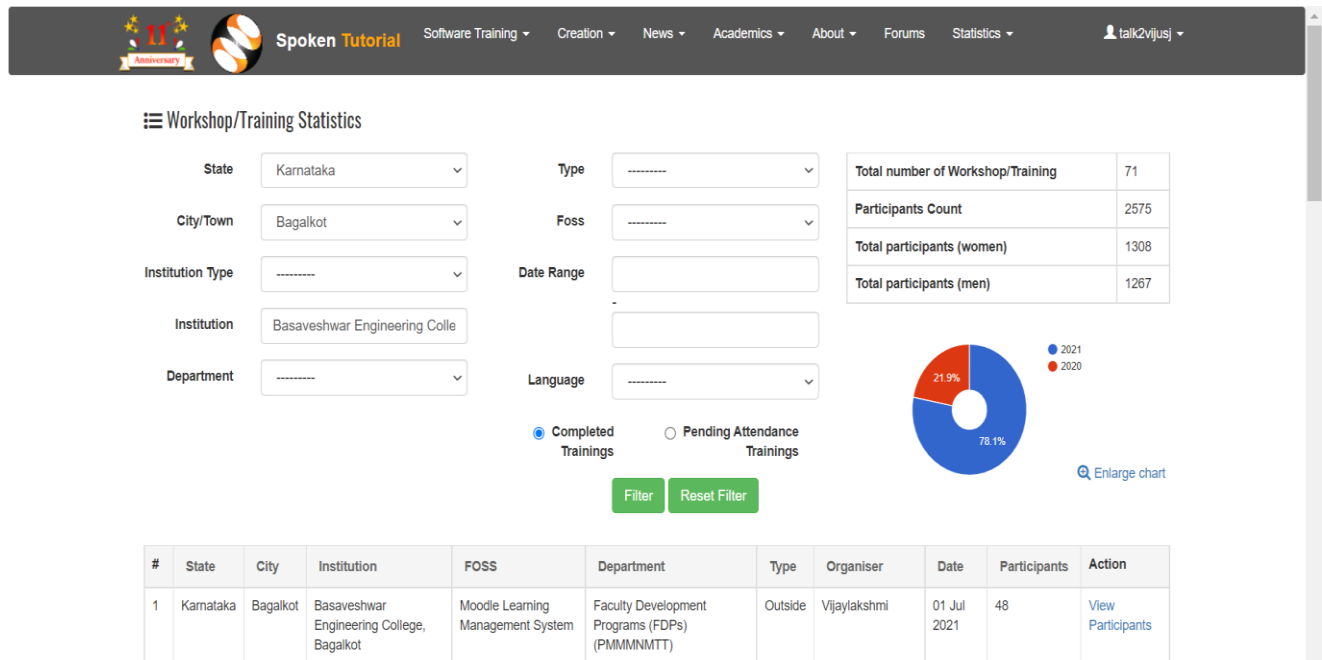
Conclusion: Learning new technology will help students to advance their IT skill along with the curriculum. Learning the course in self mode will help students to master the technology on his/her own and build confidence. Certified from spoken tutorial project IIT Mumbai will save their time and money invested in private tutor. Also, lecturers /professors will be able to guide and train students in more effective way.

Statistics Data: Basaveshwar Engineering College (Autonomous), Bagalkot

Total number of Workshop/Training: 71

Participants Count: 2575

Year- 2020-2021



Spoken Tutorial Program details: Department wise

SL. No	Department and Faculty Coordinator	Semester	Courses offered	No. of students enrolled	No. of Students Cleared
1.	Electronics & Communication Engg. Dr. Vijaylakshmi Jigajinni	III	ESIM	60	54
		V	Scilab	86	48
		VII	R-language	39	16
		II	C and C++	76	54
		IV	Arduino	86	56
		VI	Arduino	80	72
2.	Information Science and Engg Dr. Bharathi Reshmi	III	Linux	21	10
		V	PHP & MySQL	42	24
		VII	Drupal	06	01
		II	C and CPP	54	34
		IV	Android with Kotlin	70	27
		VI	R Programming	59	20
		VIII	Latex	74	10
3.	Computer Science and Engg. Smt. Savita S. Hanji	III	C & C++	52	25
		V	Java	62	45
		VII	Python	50	47
		II	C	64	42
		IV	PHP MySQL	93	48
		VI	Python	71	60
		VIII	Drupal	21	08
4.	Electrical and Electronics Engg. Sri. Vikas Jainkeri	III	Latex	52	42
		V	Scilab	61	53
		VII	Drupal	64	50
5.	Electronics & Instrumentation Engg. Smt. Poorna Bhagawati	III	ESIM	05	04
		V	Scilab	24	19
		VII	R-language	01	01
		II	Python	14	12
		IV	Arduino	26	26
		VI	Arduino	18	17
6.	Mechanical Engg. Sri. S. S. Davangeri	III	QCAD	24	46
		V	Open Foam	33	24
		VI	C/C++	53	43
		IV	Open Foam	41	35
		VIII	Python	61	41
7.	Industrial & Production Engg Dr. D.G. Mallapur	V	QCAD	19	09
		VII	Latex	17	07

		VI	Python	19	12
		VIII	PHP and MySQL	17	04
8.	Automobile Engg. Sri. R. A. Patil	III	QCAD	3	
		V	Scilab	13	
		VII	Open FOAM	9	
9.	Civil Engg. Sri. Prasanna Patil	III	Introduction to Computers	29	09
		V	QCAD	05	01
		VII	QGIS	11	11
		III(PG)	Latex	08	02
10.	Biotechnology Smt. Premajyoti Patil	III	Cell Designer	14	13
		V	Biopython	23	23
		VII	Biopython	18	18
		II	Cell Designer	12	11
		IV	Biopython	13	09
		VI	Cell Designer	23	20
11.	AI and ML Dr. Bharathi Reshmi	II	C and CPP	22	15

SPOKEN TUTORIAL FACULTY DEVELOPMENT PROGRAM (FDP)

The Department of Electronics & Communication Engg. and IIT Bombay jointly organised two-week National level Faculty Development Program (FDP) on **“Latex and Moodle Learning Management System”** during-19th to 30th July 2021 at Basaveshwar Engineering College, Bagalkot. The Program started with address by Dr. S. S. Injaganeri, Principal, BEC Bagalkot who emphasized that government of India under NMEICT “Spoken Tutorial Project” has made an excellent step forward to help students gain employable skills along with the degrees. He also pointed that this program not only help students in getting employable certifications but also contribute to institute development and Students progression. These steps will ultimately help in improving individual departmental performance and earning points in NAAC grading. Students can participate in these trainings through their departmental coordinators on spoken tutorial website (spokentutorial.org), where they can download spoken tutorials free of cost.

Mrs. Chaitra Gawade training manager from IIT Bombay emphasized the role of spoken tutorial project in training students and faculty members. She explained Spoken tutorial project, which helps in providing training and certifications to students of different streams at their comfort in their campus where they can access study material and can have certifications which are totally free. Till date, under constant support by Principal and all department coordinators BEC has done a great job in training around 2575 students across various departments of B.E and M.Tech. programs. The FDP was attended by around 62 participants from different state colleges.

Report on Spoken Tutorial (2021-2022)

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Statistics Data: Basaveshwar Engineering College (Autonomous), Bagalkot

Total number of Workshop/Training: 123

Participants Count: 4303

Year: 2021-2022

Workshop/Training Statistics

State

City/Town

Institution Type

Institution

Department

Type

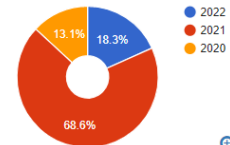
Foss

Date Range

Language

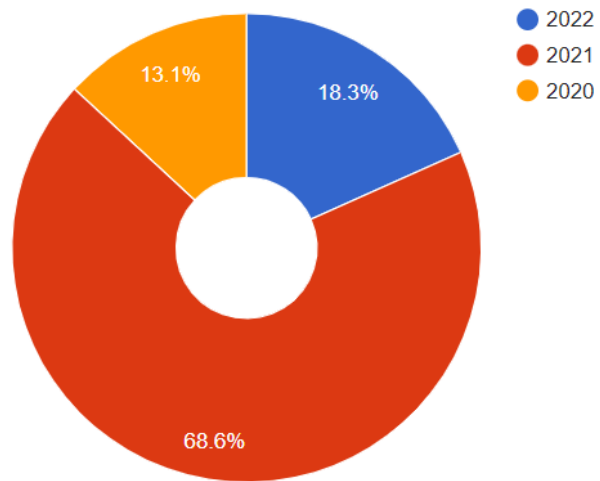
☒ Completed Trainings ☐ Pending Attendance Trainings

Total number of Workshop/Training	123
Total number of Institutes	1
Participants Count	4303
Total participants (women)	2089
Total participants (men)	2214



[Enlarge chart](#)

#	State	City	Institution	FOSS	Department	Type	Organiser	Date	Participants	Action
1	Karnataka	Bagalkot	Basaveshwar Engineering College, Bagalkot	OpenFOAM version 7	Mechanical Engineering	Outside	S. S.	11 Mar 2022	41	View Participants
2	Karnataka	Bagalkot	Basaveshwar Engineering College, Bagalkot	OpenFOAM version 7	Mechanical Engineering	Outside	S. S.	11 Mar 2022	36	View Participants
3	Karnataka	Bagalkot	Basaveshwar Engineering College, Bagalkot	C and Cpp	Mechanical Engineering	Outside	S. S.	11 Mar 2022	38	View Participants



Year wise Student Participation in Courses

Spoken Tutorial Program details: Department wise

SL. No	Department and Faculty Coordinator	Semester	No. of students enrolled
1.	Electronics & Communication Engg. Dr. Vijaylakshmi Jigajinni	III	60
		V	86
		VII	39
		II	76
		IV	86
		VI	80
2.	Information Science and Engg Miss. Chetana S.	III	21
		V	42
		VII	06
		II	54
		IV	70
		VI	59
3.	Computer Science and Engg. Dr. Chittapur	III	52
		V	62
		VII	50
		II	64
		IV	93
		VI	71
4.	Electrical and Electronics Engg. Sri. Vikas Jainkeri	III	52
		V	61
		VII	64
5.	Electronics & Instrumentation Engg. Smt. Poorna Bhagawati	III	05
		V	24
		VII	01
		II	14
		IV	26
		VI	18
6.	Mechanical Engg. Sri. S. S. Davangeri	III	24
		V	33
		VI	53
		IV	41
		VIII	61
7.	Industrial & Production Engg Dr. D.G. Mallapur	V	19
		VII	17
		VI	19
		VIII	17

8.	Automobile Engg. Sri. D.D. Chillal	III	3
		V	13
		VII	9
9.	Civil Engg. Sri. Prasanna Patil	III	29
		V	05
		VII	11
		III(PG)	08
		II	12
		IV	13
		VI	23
10.	AI and ML Dr. Bharathi Reshmi	II	22
		III	24

Statistics Data: Department of Electronics and Communication Engineering

Total number of Workshop/Training: 11

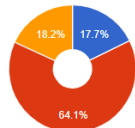
Participants Count: 688

Workshop/Training Statistics

State	Karnataka	Type	-----	Total number of Workshop/Training	11
City/Town	Bagalkot	Foss	-----	Total number of Institutes	1
Institution Type	Engineering	Date Range		Participants Count	688
Institution	Basaveshwar Engineering Colle			Total participants (women)	366
Department	Electronics and Communica	Language	-----	Total participants (men)	322

☒ Completed Trainings ☐ Pending Attendance Trainings

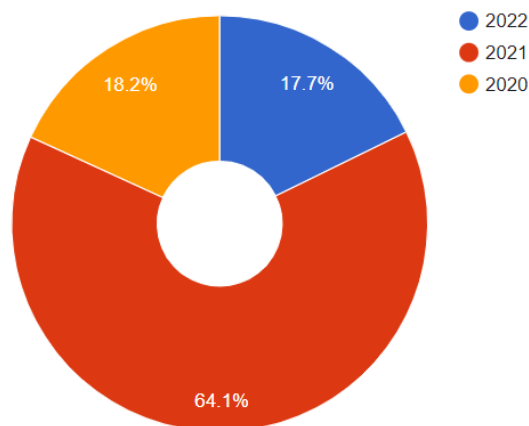
[Filter](#) [Reset Filter](#)



● 2022
● 2021
● 2020

[Enlarge chart](#)

#	State	City	Institution	FOSS	Department	Type	Organiser	Date	Participants	Action
1	Karnataka	Bagalkot	Basaveshwar Engineering College, Bagalkot	Scilab	Electronics and Communication Engineering	Outside	Vijaylakshmi	01 Feb 2022	46	View Participants
2	Karnataka	Bagalkot	Basaveshwar Engineering College, Bagalkot	Scilab	Electronics and Communication Engineering	Outside	Vijaylakshmi	01 Feb 2022	76	View Participants
3	Karnataka	Bagalkot	Basaveshwar Engineering	Python	Electronics and Communication	Outside	Vijaylakshmi	02 Jul	33	View



**Year wise ECE Students
Participation in
Courses**