

DR. B. C. ROY ENGINEERING COLLEGE



SECTION: 7.2

BEST PRACTICES

For more Details click the below link –

www.bcrec.ac.in/ADDITIONAL_INFORMATION_7_2_1.html

Best Practice 1: Career Guidance Training

Objectives: In today's ever-changing dynamism, Career Guidance to the students is the most vital aspect of college education so that the students can serve the needs of the ever-changing and dynamic market needs. BCREC provides career guidance to the students in following aspects.

- 1.Exploring various career options
- 2.Developing self-confidence and self-reliance
3. Creating interest for higher studies
- 4.Promoting entrepreneurship
- 5.Promoting a culture among students for lifelong learning

The Practice:

These goals are achieved through the following activities of Training and Placement Department as well as the individual departments of specialization in the Institute:

1. Students are trained on Communication & Presentation Skills (using language lab) imparted by the faculty members of English Department.
2. Specific training on technical skills like Aptitude test, Programming skills, etc. is provided to the students by hiring Professional Agencies as many jobs require some degree of skill with words and numbers.
3. Soft Skills Training Program.
4. At the individual department level, Career Guidance is provided to the students to help them explore various career options.

5. Mock Tests, Mock Interviews and Personality Development training program by the Campus T&P team members are held on continuous basis to achieve higher rate of placement.

6. To create awareness about the opportunities / challenges in various engineering / application / management sectors, resource persons from industries are invited to deliver technical talks and to impart knowledge on the current trends and latest technologies.

7. To make student more enthusiastic and boost their self confidence, alumni are also invited to address them and guide them through the career options.

8. Guidance on competitive examinations e.g. GATE and different public service commission examinations is also given at the department level.

9. Students are encouraged to participate in technical contests, carry out project work, undergo internships and also organize various technical fests and social activities to enhance their knowledge through experience.

10. Seminars/Workshops are organized by individual department/students' chapters in collaboration with renowned industries highlighting the importance of education in the industry are conducted.

Best Practice 2: Content beyond Curriculum

Objectives: The main objective of the practice of **Content beyond Curriculum** is to help students in following aspects.

- i. To groom the students in a progressive environment to become competent professionals.
- ii. To create excellent opportunity for students to acquire necessary skill sets and develops self-confidence / self-reliance to face various competitive and professional examinations for employability.
- iii. To enable the students to learn self-learning, team-building, leadership and management skills, innovation and creativity.
- iv. To diversify the programme contents and to establish greater relevance to socio-economic problems of the Society.
- v. To inculcate democratic, moral, social and spiritual values in the minds of the learners.

The Practice:

While applying for accreditation for NBA in the year 2015, the institute adopted its own methodology for introducing the practice of content beyond curriculum. Initially academic contents beyond the curriculum were introduced for four programs.

Starting academic year 2018-2019, institute decided to introduce the choice based credit system (CBCS) following AICTE model curriculum for all B.Tech programs as specified by the university. Under this scheme from the academic year 2018-2019 onwards students became eligible for Honours degree by collecting minimum 20 extra credit points, as per mandate of the University through online courses (MOOCs).

The institute has also preferred SWAYM-NPTEL for implementing the CBCS as the institute is a NPTEL local chapter.

As per Mandatory Additional Requirement (MAR) of the university, a concept of mandatorily accumulating some points through a basket of activities for professional development as well as to inculcate the values in the students has also been introduced from 2019.

DR. B. C ROY ENGINEERING COLLEGE, DURGAPUR

NOTICE

Date: 04.08.2018

This for information of all the 1st year students concerned, that , The Department of English will start with the course of **“Language and Communication Skill Development Programme”**, from 07.08.2018. The Schedule given below will be followed throughout the Semester, and student’s attendances in these classes are mandatory.

S. Lahiri

Sarabjeet Lahiri
TIC, Dept. of English
Dr. B.C Roy Engg College.



Module for 1stYear Students 2018 : "Language and Communication Skill Development Programme."

1. Test For L S R W : **Objective:** To ascertain the level of competence in the attendees

2. Writing : a. Short Essay
b. Short Article
c. Paragraph
d. Elementary Grammar Practice

3. Speaking : a. Group Discussion
b. Extempore
c. J A M Sessions
d. Debate
e. Role Play
f. Case Study

4. Listening : Video Inputs followed by Listening Exercises.

5. Body Language : a. Gestures
b. Postures
c. Grooming

J. Lathin
TIC, Dept. of English



1st Year Students Eligible for the Course: "Language and Communication Skill Development Programme." 2018

Department	Number of Students
CSE 1&2	126
IT	63
ECE 1&2	126
EE 1&2	110
AEIE	11
CE	57
ME	70

J. Lathin
TIC, Dept. of English



Class Load Distribution of English Department- 1st Semester August-Dec 2018 - 2019

Days	10:00-10:50	10:50-11:40	11.40-12.30	12:30-1:20	1:20-2:10	2:10-3:00	3:00-3:50	3:50-4:40	4:40-5:30
Tuesday			AEIE SL	AEIE SL	L	CSE 2 SD			
Wednesday	CE	CE DS & SDD	ME SD	ME SD	U	IT DS	IT DS	EE 1 SL	EE 1 SL
Thursday					N				
Friday					C				
Saturday			EE 2 SL		H		ECE 1 SDD	ECE 2 SDD CSE 1 SD	ECE 2 SDD CSE 1 SDD

KEY:

Prof. Dr. Suneeta De: Total Number of classes: 1st Year: 6

Prof. Dr. Sharmistha De Dutta: Total No. of Classes: 1st Year 4

Prof. Sarabjeet Lahiri: Total no. of classes: 1st Year: 5

Prof. Debadrita Sen: Total no of Classes: 1st Year : 3

*S. Lahiri
T.I.C. Dept. of English.*



To

The General Secretary

Dr. B.C Roy Engineering College, Durgapur.

Date: 24.7.2019

Sub: Proposal for Assessment for Soft Skills Module VI of Pre-placement training

Sir,

This correspondence is to bring to your kind attention that the Soft Skills Module VI for B.Tech 2020 batch has a focus on Personal face-to face interviews. We have planned to go in for the assessment process through Mock PI sessions by personnel from the industry (preferably our Alumni) just like the GD sessions.

The dates will be as follows:

Departments (No. of eligible Students)	Proposed Dates
CSE(74), MCA (9), IT(32),ECE(77), EE(52) & AEIE (21)	10.8.2019 & 17.8.2019
ME(30), CE (30)	14.9.2019 & 21.9.2019

The budget for the process is appended here

Description	Honorarium Rate	Amount
12 panelists over two dates in August,2019.	@Rs.2000	Rs. 24,000.00
4 panelists over two in dates September, 2019	@Rs.2000	Rs.8,000.00
Miscellaneous expenses		Rs. 3000.00
Total		Rs. 35,000.00

The panelists will be provided with local pick up and drop, working lunch and refreshments apart from the honorarium.

We will be highly obliged if the aforesaid process gets an approval from your end so that we can embark on working out the execution process.

Thanking you in anticipation.

With deep regards,

(Prof. S.C Chakraborty)
Chairman – T&P (Campus)

Arunava Mookherjee



DR.B.C.ROY ENGINEERING COLLEGE, DURGAPUR [Pre-Final year (All Branches)]

DAYS	AJC Bhawan	10:00-10:50	10:50-11:40	11:40-12:30	12:30-01:20	02:10-03:00	03:00-03:50	03:50-04:40	04:40-05:30
TUESDAY	1st Floor			Coding (CE2) 6th		MCA(TBT) 4th		IT(TBT) 6th	Advance Coding (ECE1) 6th
	2nd Floor								
	3rd Floor						IT(GD,PI) 6th SL		
WEDNESDAY	1st Floor	Coding (EE2) 6th	Coding (ME1) 6th	Advance Coding (MCA) 4th				Advance Coding (CSE1) 6th	Advance Coding (IT) 6th
	2nd Floor								Coding (ME2) 6th
	3rd Floor				MCA(GD,PI) 4th SD				
THURSDAY	1st Floor								
	2nd Floor				Advance Coding				
	3rd Floor								
FRIDAY	1st Floor		MBA(TBT) 2nd	EE1(TBT) 6th	CSE1(TBT) 6th		Coding (AEIE) 6th	AEIE(TBT) 6th	CSE2(TBT) 6th
	2nd Floor			ME1(TBT) 6th				Advance Coding (CSE2) 6th	ECE2(TBT) 6th
	3rd Floor			CSE1(GD,PI) 6th - SDD	EE1(GD,PI) 6th SDD ME1(GD,PI) 6th - SL	CSE2(GD,PI) 6th - AS		ECE2(GD,PI) 6th - AKG	AEIE(GD,PI) 6th- DS
SATURDAY	1st Floor					Coding EE1 6th	Coding CE1 6th	CE1(TBT) 6th	
	2nd Floor			EE2(TBT) 6th	CE2(TBT) 6th			ME2(TBT) 6th	ECE1(TBT) 6th
	3rd Floor			CE2(GD,PI) 6th SL	EE2(GD,PI) 6th- DS	MBA(GD,PI) 2nd SD		ECE1(GD,PI) 6th SD	CE1(GD,PI) 6th SDD ME2(GD,PI) 6th SD

1:20 - 2:10 LUNCH BREAK

6th Sem GD,PI	Advance Coding
6th Sem TBT	
6th Sem CD	

PER WEEK	GD & PI	14 Classes
	TBT	14 Classes
	Coding	6 Assessments
	Advance Coding	7 Assessments

Initials	Instructor Name	Contact No.
SD	Prof. Suneeta De	9434014625
SL	Prof. Sarabjit Lahiri	9851006415
SDD	Prof. Sharmistha De Dutta	9434023004
DS	Prof. Debadrita Sen	7797555655
AKG	Prof. Ajit K. Ganguly	9333928874
AS	Prof. Anupam Sinha	8918386951

Arunava Mookherjee





Empower Results®

TAX INVOICE

Invoice Date 13/01/2020 **Due Date** 13/01/2020 **Invoice Number** IN107-0003627

Purchase Order No.

Issued to:

Dr.B.C.Roy Engineering College
Management House, Fuljhor
Burdwan- 713206
West Bengal
India
PAN: AAABD0204F
GSTIN: null
Place of Supply: West Bengal (WB)
Consulting

Issued by:

Aon Consulting Private Limited
1205/1206, 12th Floor, Welldone Tech Park
Sohna Road, Sector 48
Gurugram- 122002
Haryana
India
PAN: AAHCA0739J
GSTIN: 06AAHCA0739J2ZP

INVOICE DETAILS

		Net Amount	Rate	GST Amount	Gross Amount
Fees for Professional Services					
7 DCT + 2 CoCubes Test for 2021 Batch 225 *INR 999 Incl GST	INR	190,487.25	18%	34,287.71	224,774.96
HSN 9983					
Total Amount	INR	<u>190,487.25</u>		<u>34,287.71</u>	<u>224,774.96</u>
GST Summary					
Total					
Taxable IGST - Standard Rate	INR	190,487.25	18%	34,287.71	
	INR			<u>34,287.71</u>	
Total Amount Due:	INR				224,774.96

Payment Terms: Immediate

If you have queries on this invoice please contact : accounts@cocubes.com
Please quote the invoice number above in all correspondence.

Please remit payment to:

Citibank N.A.
1st Floor, DLF Capitol Point
Kharak Singh Marg
New Delhi, Delhi (UT)- 110001
India

Aon Consulting Private Limited

Account Number: 521409002
IFSC Code : CITI0000002
Swift Code: CITIINBX
Payment Reference: IN107-0003627

Or payments by cheque should be payable to:
and sent for the attention of:

Aon Consulting Private Limited
Building No.2, 9th to 11th floor, Candor TechSpace IT/ITES
Sector-48, Village Tikri
Gurugram- 122018
Haryana
India



Empower Results®

TAX INVOICE

Invoice Date	Due Date	Invoice Number	Purchase Order No.
13/01/2020	13/01/2020	IN107-0003627	

Authorized Signatory

Computer generated invoice requires no signature

Please instruct your banker with relevant Purpose Code while making payments towards invoices in currency other than INR:
Category: Management consulting and management services including financial, strategic, human resources, marketing, operations and supply chain management. (HSN/SAC Code for services: 9983)



TAX INVOICE

Empower Results®

Invoice Date 18/02/2020 **Due Date** 19/03/2020 **Invoice Number** IN107-0004146

Purchase Order No.

Issued to:

Dr.B.C.Roy Engineering College
Management House, Fuljhor
Burdwan- 713206
West Bengal
India
PAN: AAABD0204F
GSTIN: null
Place of Supply: West Bengal (WB)
Consulting

Issued by:

Aon Consulting Private Limited
1205/1206, 12th Floor, Welldone Tech Park
Sohna Road, Sector 48
Gurugram- 122002
Haryana
India
PAN: AAHCA0739J
GSTIN: 06AAHCA0739J2ZP

INVOICE DETAILS

		Net Amount	Rate	GST Amount	Gross Amount
Fees for professional services					
3 DCT + 1 CoCubes Test for 2021 Batch (MBA)	INR	64,950.00	18%	11,691.00	76,641.00
59 * INR 1299 (Incl GST)					
Consulting Fees HSN 9983					
Total Amount	INR	<u>64,950.00</u>		<u>11,691.00</u>	<u>76,641.00</u>
GST Summary					
Total					
Taxable IGST - Standard Rate	INR	64,950.00	18%	11,691.00	
	INR			<u>11,691.00</u>	
Total Amount Due:	INR				76,641.00

Payment Terms: Net 30

If you have queries on this invoice please contact : accounts@cocubes.com
Please quote the invoice number above in all correspondence.

Please remit payment to:

Citibank N.A.
1st Floor, DLF Capitol Point
Kharak Singh Marg
New Delhi, Delhi (UT)- 110001
India

Aon Consulting Private Limited

Account Number: 521409002
IFSC Code : CITI0000002
Swift Code: CITIINBX
Payment Reference: IN107-0004146

Or payments by cheque should be payable to:
and sent for the attention of:

Aon Consulting Private Limited
Building No.2, 9th to 11th floor, Candor TechSpace IT/ITES
Sector-48, Village Tikri
Gurugram- 122018
Haryana
India



Empower Results®

TAX INVOICE

Invoice Date	Due Date	Invoice Number	Purchase Order No.
18/02/2020	19/03/2020	IN107-0004146	

Authorized Signatory

Computer generated invoice requires no signature

Please instruct your banker with relevant Purpose Code while making payments towards invoices in currency other than INR:
Category: Management consulting and management services including financial, strategic, human resources, marketing, operations and supply chain management. (HSN/SAC Code for services: 9983)



Pineaxe Technologies LLP
No 37, 5th Street, Gokulam Colony, P N Pudur
Coimbatore, Tamilnadu 641041
9035035598
accounts@examly.io
GSTIN: 33AATFP1120D1ZO
PAN No. AATFP1120D

**Tax Invoice 2019-
20/0095**

INVOICE TO

Dr.B.C.Roy Engineering
College, Durgapur
Dr. B.C.Roy Engineering
College
Jemua Road, Fuljhore
Durgapur – 713206
Durgapur, West Bengal
713206
India
State Code: 19

PLACE OF SUPPLY

19 - West Bengal

DATE
26/12/2019

PLEASE PAY
₹1,06,082.00

DUE DATE
26/12/2019

NO	DATE	ACTIVITY	UNIT	QTY	RATE	AMOUNT
1	26/12/2019	Examly for Colleges Examly platform charges for conducting examination for colleges @ Rs.899 per student for 2021 batch students.		100	899.00	89,900.00

Payment to be made in favour of
"Pineaxe Technologies LLP"

SUBTOTAL	89,900.00
IGST @ 18% on 89900.00	16,182.00
TOTAL	1,06,082.00

Bank Account Details:

Bank Name: Indusind Bank, Avinashi Road Branch, Coimbatore
Account name: Pineaxe Technologies LLP
Account Number: 259035035598
IFSC code: INDB0000021

TOTAL DUE	₹1,06,082.00
------------------	---------------------

THANK YOU.

Globsyn Industrial Visit 2018

Dear Sir,

Thank you for your valuable time for the previous meeting in regards to Winter School 2018.

As per our discussion we would be privileged to offer your students an Industrial Visit as per the AICTE guidelines to obtain credit point.

We at Globsyn always make sure the engineering students get benefited from all our programs/activities. Globsyn is being acknowledged for its IT training and solutions since 1997. Having expertise in the domain of IT/Software we are ready to welcome students from your institution for an Industry Visit for 1 day. We are organising the same between 22nd October 2018 - 10th December 2018.

Reporting time for the industry visit would be 11am at Globsyn Crystals Building, 1st Floor. Attire for all students would be formal. Duration for the total visit and interaction would be 2 hours 30 minutes. Pfb the program flow:

Introduction of Globsyn

Presentation on Software development and IT product wing

Understanding the company structure and work procedure. Technical understanding of products/services.

Importance of High End Technologies for engineering student's viz-a-viz innovative projects.

Requesting you to send us the details of participants via mail at the earliest. Time slot for your students would be 11 am and 2pm for 2 batches of 30 students each. Or we may reach to mutual time slot upon confirmation.

For any further clarification please get back to us.

-- Warm Regards,

Soumojit Paul

Deputy Manager | Globsyn Group

Office : +91-33-4000-3600 | Mobile : +91 8240656223

www.globsynfinishingschool.com | www.globsyn.edu.in

We want to organized on 26/11/18 (Monday). No academic work will be effected

[Signature]
16/11/18
HOD, IT

[Signature]
Koner
16/11/18
HOD, CSE

*No problem
Pl. arrange at on 26th
November 2018 (Monday).
Few faculties may also
accompany them.*

[Signature]
16/11/2018

Workshop on "Android based robotics"

Report:-

A workshop on "**Android based robotics**" was organized at the premises of Dr. B. C. Roy Engineering College, Durgapur on **16th November 2019**. The programme was technically co-sponsored by IEEE Student's branch, BCREC. An expert team from Ardent Computech Pvt. Ltd came to conduct the workshop.

On this occasion Director of Ardent Computech Pvt. Ltd **Mr. Indranil De Sarkar** talked about the need of professionals with modern development skills, and utility of hands on workshop especially in the field of android applications based services. The technical team of Ardent Computech Pvt. Ltd demonstrated the development of android app. Moreover, they also demonstrated how robots can be controlled by android device through wifi direct/Bluetooth.

Dr. Chandan Koner, HoD CSE, Chairman of IEEE student branch BCREC and Dr. Rajib Banerjee, Assistant Professor ECE, Counsellor of IEEE student branch BCREC were also present on this occasion . The workshop was attended by B.Tech students from different departments of the college.



Computer Society of India™

is pleased to certify that

Dr.B.C.Roy Engineering College
Durgapur - 713206
West Bengal

is an

Educational Institution Member

(Membership Number M10375)

of

Computer Society of India

(Validity of this certificate is subject to renewal
of CSI membership and other norms of the Society)

Valid till 31st March 2021

Chennai

1st April 2019


Hon. Secretary

ECSC/713206/BCRE

The Principal
Dr B C Roy Engineering College
Durgapur - 713206

Dear Sir,

This has reference to the e-mail, regarding opening of Students' Chapters in Civil Engineering, Mechanical Engineering, Computer Science and Engineering, Electrical Engineering and Electronics and Communication Engineering departments at your college. The permission is hereby accorded to open the Students' Chapter and the Chapter Code will be as follows :

Mechanical Engineering : MC
Civil Engineering : CV
Computer Science and Engineering : CS
Electrical Engineering : EL
Electronics and Communication Engineering : EC

2. You are requested to follow all guidelines given in our web page (<http://www.ieindia.info/studenchapter1.aspx>). Kindly appoint Adviser for each of the aforesaid Chapters and request to go through the entire text matter along with all other related documents on the above-mentioned link (Engineering College Students' Chapter). In case of any doubt related to the above link, you may get in touch with the undersigned. It is required to follow *inter alia* the items given below for opening the Students' Chapter.

a) Chapter Code for Mechanical Engineering will be < 713206/BCRE/MC/001,, 050>

Note: Suppose 50 student members of the Mechanical Engineering are interested to join the above-mentioned Chapter, the serial no. will have no. like 001,002, 003,, 050

b) Chapter Code for Civil Engineering will be <713206/BCRE/CV/001,, 40>

Note: Suppose 40 student members of the Civil Engineering are interested to join the above-mentioned Chapter, the serial no. will have no. like 001,002, 003,, 040

And so on.

3. Minimum 20 students are required in each engineering discipline to open the Students' Chapter

4. Membership forms (i.e., ECSC printed at the right corner of the form, **for engineering college only**) meant for this purpose can be downloaded and distribute the same to all interested student members of the Chapter with specific instructions to fill-in the entire form (a copy of the form is attached). The left side of the bottom part (marked on the form) should be kept at your chapter and the other portion (right side of the bottom part) be given to respective student members signed by the Adviser on behalf of the Secretary and Director General of IEI.

5. Please arrange to forward us only the above portion of the said form duly filled-in by the student members along with a complete list of members, consisting of the information as per the following format :

SL. No.	Name of the Student	Membership No. (to be given by you as per item (a) mentioned above)	Year of Enrolment	Branch	Fee (HQs Share only), Rs.
---------	---------------------	---	-------------------	--------	---------------------------

6. Kindly note that year-wise subscription fee should be collected from students. Student members studying in first year should pay subscription for four years. Second year students joining the Chapter have to pay subscription for three years. Third year students joining the Chapters have to pay subscription for two years. Fourth year students should pay only for 4th year fees. Fee structure for members of Engineering College Students' Chapters (year-wise as stated above) is given below:

One-time Membership Fee for Students of	Subscription, Rs.	Share of Students' Chapter for College, (Rs.)	Share of HQs + share of concerned State/Local Centre, (Rs.)
First Year	115+95+95+95=400	300	100
Second Year	115+95+95=305	230	75
Third Year	115+95=210	155	55
Fourth Year	115	80	35

7. Consolidated amount of share of fee for Headquarters' and concerned State/Local Centre be sent by demand draft in favour of 'The Institution of Engineers (India)', payable at Kolkata to the Director (EEA), The Institution of Engineers (India), 8 Gokhale Road, Kolkata – 700 020.

Thanks,
V Surana
Executive (EEA)

March 26, 2018

Rajib Banerjee
Dr.B.C.Roy Engineering College, Durgapur
Jemua, Fuljhore
Durgapur - 713206
India

Dear Rajib Banerjee:

Welcome to the IEEE Student Branch program! On behalf of the Member and Geographic Activities Board, we have approved your petition to form an IEEE Student Branch at Dr B C Roy Engineering College - DURGAPUR.

Your Student Branch is located in Region 10 and your activities will be of interest to the volunteers listed below:

Akinori Nishihara, Region 10 Director
Binh Huynh Thi Thanh, Region 10 Student Activities Chair
Saaveethya Sivakumar, Region 10 Student Representative
Sanjay Kar Chowdhury, Kolkata Section Chair
Koushik Dutta, Kolkata Section Student Activities Chair

Your Student Branch code is **STB11473** and your School Code is **45896098**. Please be sure to use them on all correspondence and reporting forms. To ensure that the students are properly assigned to your Student Branch, they should join IEEE online at <http://www.ieee.org/join> and use the school search to find the school name Dr B C Roy Engineering College - DURGAPUR.

Once again, congratulations. If Member and Geographic Activities can be of any assistance to you, please do not hesitate to contact us for assistance or information.

Sincerely,



Cecelia Jankowski
Managing Director
Member and Geographic Activities

cc:

- A. Nishihara – Region 10 Director
- B. Huynh Thi Thanh – Region 10 Student Activities Chair
- S. Sivakumar – Region 10 Student Representative
- S. Kar Chowdhury – Kolkata Section Chair
- K. Dutta – Kolkata Section Student Activities Chair
- S. Kabiraj – Student Branch Chair



NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING

A JOINT VENTURE BY INDIAN INSTITUTES OF TECHNOLOGY & INDIAN INSTITUTE OF SCIENCE

NPTEL

2016-04-02

To
The Principal
DR. B. C. ROY ENGINEERING COLLEGE
JEMUA ROAD, FULJHORE
DURGAPUR - 713206
WEST BENGAL

Dear Sir/Madam,

Sub: Establishing SWAYAM NPTEL Local Chapter in your college

Greetings from the NPTEL office.

This is to acknowledge the receipt of your letter accepting to host SWAYAM NPTEL Local Chapter in your institution.

The **Single Point of Contact (SPOC)** nominated from your college is

Name of SPOC: DR. TRIBENI PRASAD BANERJEE
Designation: ASSISTANT PROFESSOR
Department: ELECTRONICS AND COMMUNICATION ENGINEERING
Contact No(s): +919732015656
E-mail id: tribeniprasad.banerjee@brec.ac.in

We wish to inform you that all future correspondence related to NPTEL contents and online courses will be made to the afore-mentioned SPOC. He/she will be routinely updated with all the latest NPTEL initiatives which then may be circulated among the students.

We are also happy to share that a dedicated SWAYAM NPTEL Local Chapter web page is being created and your institution will have a separate page on it (<http://nptel.ac.in/LocalChapter>).

Thanking you.

Sincerely

Anupam Basu

Chairman and Head Centre for Education
IIT KHARAGPUR



भारतीय प्रौद्योगिकी संस्थान मुंबई
पवई, मुंबई-400 076, भारत
Indian Institute of Technology Bombay
Powai, Mumbai-400 076, India

दूरभाष/Phone : (+91-22) 2572 2545

फैक्स/Fax : (+91-22) 2572 3480

वेबसाइट/Website : www.iitb.ac.in



Date: 29-08-2018

To,
Prof. Dr. Pijush Pal Roy
Dr. B. C. Roy Engineering College,
Durgapur, West Bengal

We are happy to announce the ASSOCIATION of Knowledge Partner Spoken Tutorial Program, IIT Bombay with **Dr. B.C. Roy Engineering College, Durgapur**.

The Program is a part of the National Mission on Education through ICT, MHRD, Govt. of India, to spread IT Literacy all over India. We are promoting the learning and usage of Free & Open Source Software (FOSS), through an Audio-Video teaching tool, viz, 'Spoken Tutorial'.

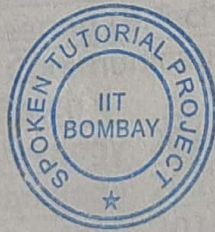
We support and motivate colleges to train students on Basic Computer Skills, Software and IT. The course and the training is offered for Rs. 25,000 per year to all the Colleges.

You are making an outstanding contribution of using ICT based teaching and learning methodology for students of your College.

Yours Sincerely,

Shyama Iyer

Shyama Iyer
National Coordinator, Training
Spoken Tutorial, IIT Bombay





भारतीय प्रौद्योगिकी संस्थान मुंबई

पवई, मुंबई-400 076, भारत

Indian Institute of Technology Bombay

Powal, Mumbai-400 076, India

दूरभाष/Phone : (+91-22) 2572 2545

फैक्स/Fax : (+91-22) 2572 3480

वेबसाईट/Website : www.iitb.ac.in



CERTIFICATE OF SPOKEN TUTORIAL(ST) TRAINING

To,
The Principal
Dr. B. C. Roy Engineering College
Durgapur, West Bengal

Subject - 2018-19 status of Training done in collaboration with IIT Bombay –ST (Spoken Tutorial)

As per agreement between **Dr. B. C. Roy Engineering College** and Spoken Tutorial IT/Software Training Program by IIT Bombay initiated by National Mission on Education through ICT, MHRD, Govt. of India to promote IT literacy through Open Source Software.

The students **Dr. B. C. Roy Engineering College** have enrolled in various FOSS (Free and Open Source Software) developed and certified by IIT-Bombay during academic session 2018-19.

Details of students enrolled in various FOSS under Spoken Tutorial IT/Software Training Program during academic session 2018-19.

Sr. No.	Department / Batch	FOSS	Participants
1	Civil Engineering (B.Tech), 2017 Batch	QCAD	67
2	Electronics and Communication Engineering (B.Tech), 2016 Batch	java	108
3	Electronics and Communication Engineering (B.Tech), 2018 Batch	C and Cpp	121
4	Electronics and Communication Engineering (B.Tech), 2017 Batch	Python	3
5	Electrical Engineering (B.Tech), 2016 Batch	Silab	128
6	Electrical Engineering (B.Tech), 2017 Batch	Silab	116
7	Electronics and Communication Engineering (B.Tech), 2017 Batch	C and Cpp	133
8	Information Technology, 2016 Batch	Linux	60
9	Information Technology, 2017 Batch	C and Cpp	56
10	Information Technology, 2015 Batch	C and Cpp	58
11	Electronics and Communication Engineering (B.Tech), 2015Batch	Python	130

12	Electrical Engineering (B.Tech), 2015 Batch	Python	142
13	Electronics and Communication Engineering (B.Tech), 2015 Batch	Python	132
14	Electronics and Communication Engineering (B.Tech), 2016 Batch	Python	108
15	Electrical Engineering (B.Tech), 2017 Batch	python	111
16	Electrical Engineering (B.Tech), 2016 Batch	python	108
17	Electronics and Communication Engineering (B.Tech), 2016 Batch	python	130
18	Civil Engineering (B.Tech), 2017Batch	Advance C	67

Your Sincerely,
For On behalf of
Spoken Tutorials,
Indian Institute of Technology Bombay

Shyama Iyer



Shyama Iyer
National Coordinator
Spoken Tutorial Project, IIT Bombay

Maulana Abul Kalam Azad University of Technology, West Bengal
Haringhata, Nadia
City Campus: BF-142, Sector-I, Saltlake, Kolkata-700064

Notice **Date: 12.04.2019**
Clarifications for MAR for earning AICTE/non-AICTE UG Degree

With regard to the queries of some colleges, regarding the Activity Points to be earned for Mandatory Additional Requirements (MAR), a clarification is provided below. It is expected that this would explain the discrepancy between previous and present year's MAR Notifications, regarding Activity Points to be earned for students of different Semesters.

REVISED TABLE FOR MAR ACTIVITY POINTS

CAME TO KNOW (According to OLD NOTICE)	CURRENT SEMESTER	MINIMUM ACTIVITY POINTS
1 st semester JUNE 2018	2 nd semester (Jan-June) 2019	100
3 rd Semester JUNE 2018 (at the end of 2 nd sem Univ. exam)	4 th Semester (Jan-June) 2019	75
5 th Semester JUNE 2018 (at the end of 4 th sem Univ. exam)	6 th Semester (Jan-June) 2019	50
7 th Semester JUNE 2018 (at the end of 6 th sem Univ. exam)	8 th Semester (Jan-June) 2019	25

The colleges must also note that they have to upload the Activities performed by students, as well as the corresponding Activity Points achieved by them in each Semester in the Cloud Server which would be provided by the University. The University will continuously monitor, if there is any shortfall on the part of a student. At the end of the curriculum, a final certificate will be issued by the University to every student, where all MAR Activities and the corresponding Activity Points would be mentioned.

Sd/-

Registrar
MAKAUT, WB

For further clarifications contact:
Ms. Rapti Ray
E-mail: rapti.ray63@gmail.com. Mobile: 9433581801



Dr. B.C.Roy Engineering College, Durgapur

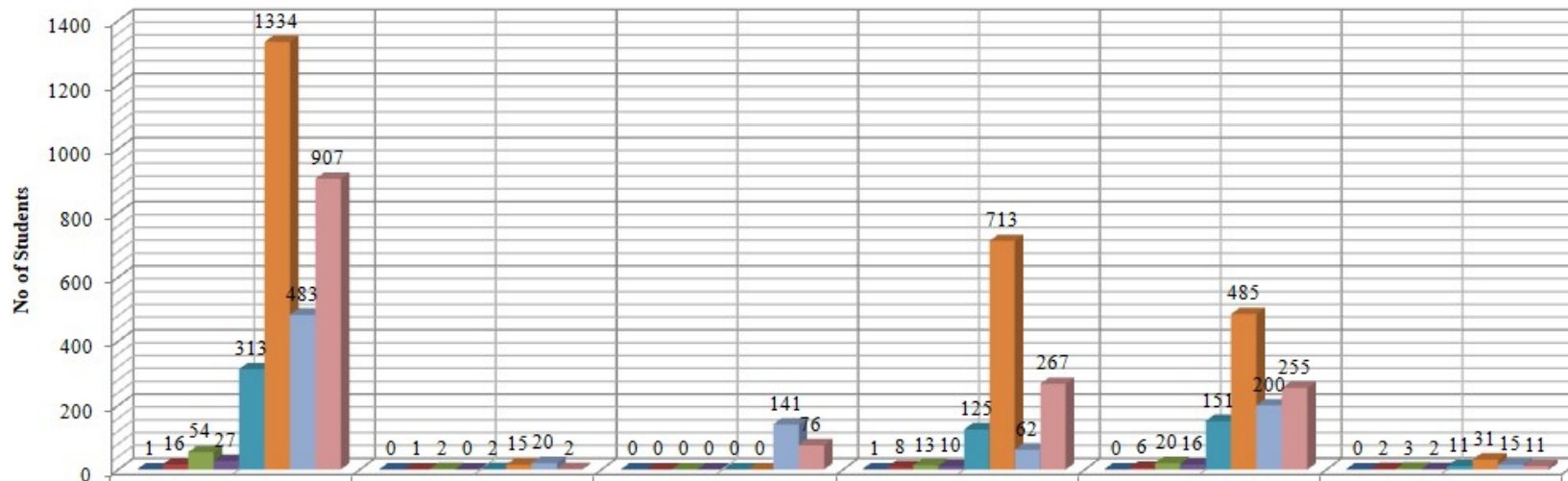
Dedicated to 'Quality Education'

Affiliated to MAKAUT | Approved by AICTE | NBA Accredited *

ANALYSIS FOR NPTEL ATTENDING COURSES

Semester	Present	Gold	Silver	Elite	Successful	Topper
Jan-June 2015	1	0	NA	1	0	0
Jul-Dec 2016	16	1	NA	8	6	2
Jan-June 2017	54	2	NA	13	20	3
Jul-Dec 2017	27	0	NA	10	16	2
Jan-Apr 2018	313	2	NA	125	151	11
Jul-Oct 2018	1334	15	NA	713	485	31
Jan-Apr 2019	483	20	141	62	200	15
July-Dec 2019	907	2	76	267	255	11

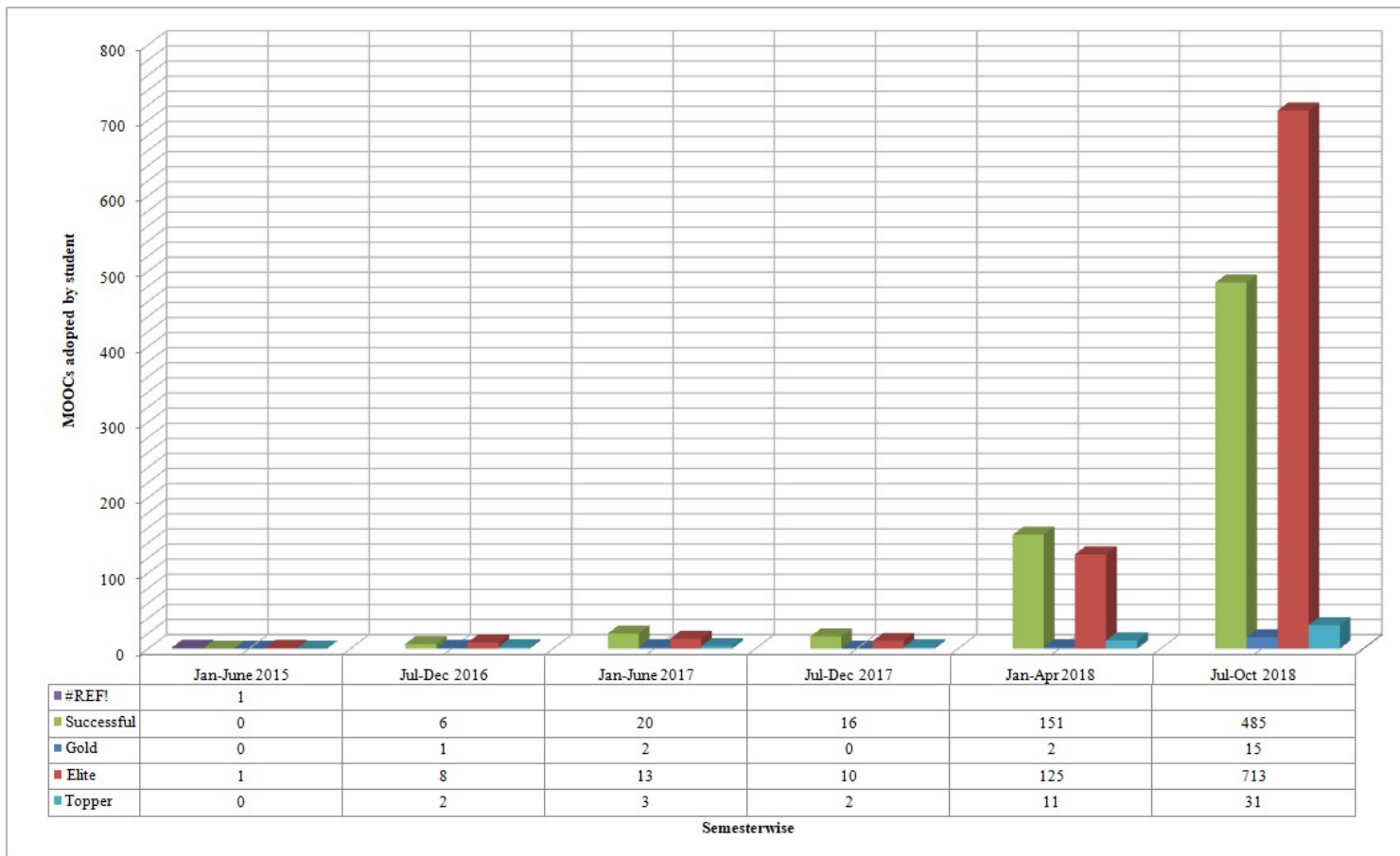
NPTEL SUCCESS ANALYSIS



	Present	Gold	Silver	Elite	Successful	Topper
■ Jan-June 2015	1	0	0	1	0	0
■ Jul-Dec 2016	16	1	0	8	6	2
■ Jan-June 2017	54	2	0	13	20	3
■ Jul-Dec 2017	27	0	0	10	16	2
■ Jan-Apr 2018	313	2	0	125	151	11
■ Jul-Oct 2018	1334	15	0	713	485	31
■ Jan-Apr 2019	483	20	141	62	200	15
■ July-Dec 2019	907	2	76	267	255	11

Gradation

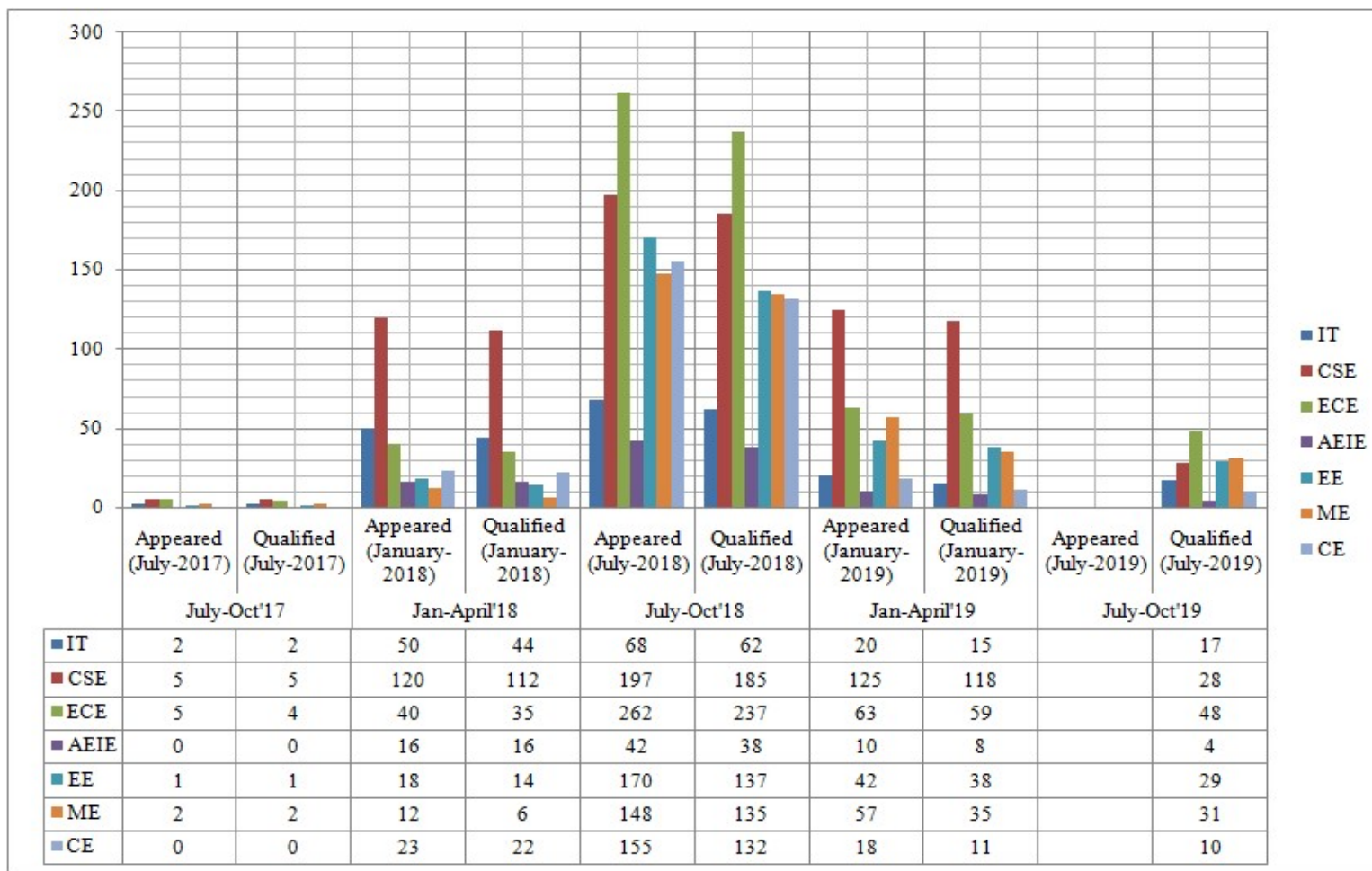
MOOCs ADOPTED BY STUDENTS



DEPARTMENT WISE ANALYSIS OF NPTEL DATA

	July-Oct'17		Jan-April'18		July-Oct'18		Jan-April'19		July-Oct'19	
	Appeared	Qualified	Appeared	Qualified	Appeared	Qualified	Appeared	Qualified	Appeared	Qualified
IT	2	2	50	44	68	62	20	15		17
CSE	5	5	120	112	197	185	125	118		28
ECE	5	4	40	35	262	237	63	59		48
AEIE	0	0	16	16	42	38	10	8		4
EE	1	1	18	14	170	137	42	38		29
ME	2	2	12	6	148	135	57	35		31
CE	0	0	23	22	155	132	18	11		10

DEPARTMENT WISE ANALYSIS OF NPTEL DATA



Software-Training

From Process | Spoken-Tutorial

Contents

- 1 About E-Tutor Trainings
- 2 About School Programme
- 3 Progress To Date
- 4 Software Offered
- 5 Be a Part of the Spoken Tutorial Project
- 6 How to conduct Training / Workshops
 - 6.1 Downloading Spoken Tutorials
 - 6.2 Instructions for Downloading and Installing
 - 6.3 Instructions for Training in Offline Mode
 - 6.4 Instructions for installing LINUX OS
- 7 Sample Time Tables / Syllabus with Mapped & UnMapped Spoken Tutorial Software Courses
- 8 Summer Faculty Development and Training programs
- 9 Certificates from Spoken Tutorials, IIT Bombay
 - 9.1 Certificate of Participation
 - 9.2 Completion Certificate
 - 9.3 NO CERTIFICATES
- 10 Contacts For Training

About E-Tutor Trainings

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 - Spoken Tutorials. The salient features of trainings are many. See Below:

1. To come into the program a college has to pay Rs.25000/ as a user fee to train students on any number of courses with Certificates.
2. This distance education method is highly conducive to learn on your own campus.
3. Once one gets started any student or faculty can master the FOSS and also get certificates.
4. UG, PG or Research scholar students and even teachers of Science, IT, Engineering, Commerce, Management, MCA disciplines can learn any of the FOSS.
5. Typically, the first Training at any college is of 2 hours duration. Timing is per the group's convenience.
6. As a first step, the organiser typically a faculty member must register on the Spoken Tutorial site and become authorised to request and conduct training in his/her college.
7. Any college which is organising the Training needs to get a computer lab ready with machines that support sound. There is no lower or upper limit on the number of participants. This just depends on the number of computers available. For additional participants, laptops if available can be used.
8. Support from IIT Bombay is available over Skype, in such cases the main organiser's computer should have a webcam via which the Spoken Tutorial team can monitor the Training and answer questions.
9. If the participants wish to take the test they must do so a month after the Training.

The organiser can also identify student volunteers to publicise and help with the Training. Students have a lot of energy and are very enthusiastic about such activities. Student volunteers get a special certificate, and a T-shirt! They also develop Event management and Project coordination skills. .

All of the above mean a big deal to students for their career with recruiters 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 vs., if they were using commercial software. Net - it is a win-win situation for all. We are having a very good experience with colleges across the length and breadth of India with this format. They start with one and move to cover more batches, more departments, different FOSS series....All working together to Bridge the Digital Divide in our nation.

About School Programme

[Click here School Brochure](#)

See the Documents given below to know about all the courses we offer and how easy it is to avail of this training and also get an idea on all the wonderful benefits to students.

[Click here Information on Training PPT](#)

Use the above PPT to motivate and train your faculty.

[Click here E-Brochure](#)

See the pdf given below for information on which Spoken-tutorial software is suited for which department.

[Click here Sample Time Table Mapped with ST courses - Engineering](#)

[Click here Sample Time Table Mapped with ST courses - Arts/Science/Commerce](#)

See the pdf given below for information on which FOSS would be relevant for which course using Spoken-tutorial.

[Click here Matching spoken-tutorial](#)

[Click here Change in Training Policy](#)

Progress To Date

The trainings started in July 2011. These have spread across several Institutions- Degree colleges, Polytechnics, ITIs and even Schools, NGOs, Govt. Offices and some Corporates. To date, around 4965000 students and teachers from all states of India, have taken this Software training. Students from rural places have also benefited from this training. Students are using Linux, Python, PHP & MySQL, C/C++, Java and Scilab in their curriculum. Several colleges are going for Lab Migration, which is switching from Matlab (proprietary) to Scilab. Academia is using LaTeX the de facto standard for technical writing. We have dedicated colleges acting as RESOURCE centers in all states of India.

Refer to the India Map Link: <http://spoken-tutorial.org/statistics/>

Software Offered

Currently Spoken Tutorial project offers software training on the below mentioned list of software, applications and programming languages.

Spoken Tutorial Software Series

No.	Software	Certificate Criteria	Application
1	Basic IT Skills		Learn how to use

	package		<ul style="list-style-type: none"> ▪ The Linux operating system ▪ LibreOffice Suite - for basic Office applications and ▪ Firefox web browser - to browse the internet safely <p>This package is useful to all who wish to learn basic IT skills. Absolute must for beginners.</p>
2	Applications of GeoGebra	Certificate	Applications of GeoGebra Interactive Geometry, Algebra and Calculus application for UG/PG students (12th standard and above) as well as Research Scholars.
3	Arduino	Certificate	Arduino is open source hardware, software and micro-controller based kit. It is used for building digital devices and interactive objects that can sense and control physical devices. Useful for High School and UG/PG Electronics students, hardware professional.
4	Ascend	Training only, No certificates	ASCEND is a free, open source, mathematical modelling system. Its main uses have been in the field of chemical process modelling , with its novel modelling language conventions and powerful solver. Useful for UG/PG Chemical Engg and Chemistry students.
5	Avogadro	Certificate	Avogadro is a free and open source, advanced molecule editor and visualizer designed for cross-platform use in computational chemistry, bioinformatics, etc. It offers flexible high quality rendering. Useful for UG/PG Chemistry and Bioinformatics students.
6	BASH	Certificate	Bash is a "Unix shell" command-line interface for interacting with the operating system. Bash has the ability to run an entire script of commands, known as a "Bash Shell script" or "Shell script". Familiarity with GNU/Linux command lines, and familiarity with basic programming concepts is a pre-requisite for learning BASH . Polytechnic/UG/PG computer hardware students and system administrators will greatly benefit by learning to automate common tasks using BASH.
7	Biopython	Certificate	Biopython is a collection of Python tools for computational biology and bioinformatics. Biopython contains modules and classes to represent protein sequences, nucleic acid sequences and sequence annotations. Useful for UG/PG Bioinformatics students.
8	Blender	Certificate	Open source equivalent to Maya and 3DMax. Useful to create 3D Animation for Architecture & Animation students. Can be used by UG/PG Civil Engineering students, also.
9	C and C++	Certificate	Powerful features, simple syntax, and portability make C a preferred

			<p>language among programmers, for business and industrial applications. Widely used in the development of operating systems.</p> <p>Useful for High School and UG/PG CSE/CS/IT students and anyone who wishes to learning basic programming.</p>
10	Advanced C	Training only, No certificates	<p>For Advanced C series, learner should necessarily go through C and C++ series beforehand.</p> <p>Useful for High School and UG/PG CSE/CS/IT students and anyone who wishes to learning advanced programming.</p>
11	Advanced C++	Certificate	<p>For Advanced C++ series, learner should necessarily go through C and C++ series beforehand.</p> <p>Useful for UG/PG CSE/CS/IT students and anyone who wishes to learning advanced programming.</p>
12	CellDesigner	Certificate	<p>CellDesigner is a process diagram editor for drawing gene-regulatory and biochemical networks. CellDesigner is used for user-friendly visualization Modeling and Simulation of genetic regulatory networks, Protein networks and metabolic networks.</p> <p>Useful for UG/PG Bio-Chemistry students.</p>
13	Chemcollective Virtual Labs	Certificate	<p>ChemCollective Virtual Labs is a simulation of a chemistry laboratory. It allows students to explore and reinforce fundamental concepts, select various standard reagents (aqueous) and use them as they use in a real laboratory.</p> <p>Useful for Chemistry students from 9th standard onwards.</p>
14	Drupal	Certificate	<p>Drupal is a free and open source content management system (CMS) written in PHP and distributed under the GNU General Public License. Useful for website-building and web applications.</p> <p>Useful for web developers, website administrators, and UG/PG CSE/IT/CS students who wish to learn website management.</p>
15	DWSIM	Certificate	<p>DWSIM is an open-source CAPE-OPEN compliant chemical process simulator. It allows us to conduct experiments and analyze data using advanced models and operations.</p> <p>Useful for UG/PG Chemical Engineering students to run the simulations and get a better understanding on a phenomenon.</p>
16	eSim	Certificate	<p>eSim (previously known as Oscad / FreeEDA) is an open source EDA tool for circuit design, simulation, analysis and PCB design. It is an integrated tool built using open source software such as KiCad</p>

			<p>(http://www.kicad-pcb.org) and Ngspice (http://ngspice.sourceforge.net/).</p> <p>Useful for UG/PG Electrical Engg/Electronics students.</p>
'17	Expeyes	Certificate	<p>ExpEYES stands for Experiments for Young Engineers and Scientists. It is used to perform basic Physics and Electronics experiments.</p> <p>ExpEYES junior can be used from secondary to graduate level and also in some engineering branches.</p>
18	Firefox	Training only, No certificates	<p>Free, open source and popular web browser. Allows you to view Internet web pages, navigate through web pages, and search for web pages using search engines such as Google, Yahoo Search or Bing.</p> <p>Anyone who wishes to learn web browsing.</p>
19	FrontAccounting-2.4.7	Certificate	<p>Free, open source business accounting software (having features similar to Tally).</p> <p>Useful for UG/PG Commerce students.</p>
20	GChemPaint	Certificate	<p>GChemPaint allows you to draw and display 2D chemical structures. Very useful to teach and learn abstract chemistry concepts.</p> <p>This application is useful for school students (9th standard and above) as well as school teachers.</p> <p>Works only on Linux</p>
21	GeoGebra 5.04	Certificate	<p>Interactive Geometry, Algebra and Calculus application. Very useful to teach and learn abstract geometry concepts.</p> <p>Useful for school students (7th standard and above) as well as school teachers.</p>
22	gedit Text Editor	Certificate	<p>gedit Text Editor is a powerful general purpose text editor. It is free and open source software. It is simple and ease of use with simple GUI.</p> <p>Useful for everyone who wish to learn to use a text editor in Linux.</p> <p>Works only on Linux</p>
23	GIMP	Certificate	<p>Graphics art and design software application for the editing and creation of original images, icons, graphical elements of web pages and art for user interface elements. Useful for all graphic related work. Open source equivalent of Photoshop.</p> <p>Useful for High School and UG/PG students who wish to learn photoediting and create graphics.</p>

24	GIT	Certificate	<p>Git is a distributed version control software. It is a free and open source software. It keeps track of changes made to a file or set of files. It helps in tracking the project progress history.</p> <p>Useful for UG/PG CSE/IT/CS students, working professionals</p>
25	HTML	Certificate	<p>HTML elements form the building blocks of all websites. HTML allows embedding of images and objects and is extensively used to create interactive forms and webpages.</p> <p>Useful for High School and UG/PG students, working professionals - Multi-disciplinary</p>
26	Inkscape	Certificate	<p>Graphics art and design software application for the editing and creation of original images, icons, graphical elements of web pages and art for user interface elements. Useful for all graphic related work. Open source equivalent of CorelDraw and Illustrator.</p> <p>Useful for High School and UG/PG students who wish to learn desktop publishing work - creating banners, posters, brochures, CD cover image, artwork for textiles, etc.</p>
27	Introduction to Computers	Certificate	<p>Absolute basic tutorials on parts of a computer, connecting the parts using cables, printer configuration, creating a gmail account, sending and receiving mails and using the Google Drive.</p> <p>Useful for first-time computer users of any age group.</p>
28	Java and Netbeans	(Java) Certificate (Netbeans) Test In Progress	<p>Learn to use Java</p> <ul style="list-style-type: none"> Free and open source, high level, simple as well as object-oriented programming language. Included in the curriculum of schools and colleges offering Computer Science and IT subjects. <p>Learn to use Netbeans IDE</p> <ul style="list-style-type: none"> NetBeans IDE is an open-source integrated development environment. NetBeans IDE supports development of all Java application types (Java SE including JavaFX, (Java ME, web, EJB and mobile applications) With Netbeans IDE, one can quickly and easily develop desktop, mobile and web applications with Java, HTML5, PHP, C/C++ and more. <p>Useful for UG/PG CSE/IT/CS students We recommend that Java series be followed with Netbeans series.</p>
29	Java Business Application	Certificate	<p>Learn how to create a business application from scratch.</p> <p>For Java Business Application series, learner should necessarily go through Java and Netbeans series beforehand.</p> <p>Useful for UG/PG CSE/IT/CS students and working professionals.</p>

30	Joomla	Certificate	Learn how to a Content Management System for building websites, webpages, etc. Useful for web developers, website administrators, and UG/PG CSE/IT/CS students who wish to learn website management.
31	Jmol Application	Certificate	Learn how to create 3D chemical, crystal and biomolecules structures. Very useful to teach and learn abstract chemistry concepts. This application is useful for school students (9th standard upto Post Graduation level) as well as school teachers.
32	Koha Library Management System	Training only, No certificates	Learn how to create a library, a librarian, add books, journals, and other library items, Marc framework, order a book, cataloging, circulation, add subscription, serial subscription, receive serials, OPAC search, access library on web, cataloging using Z39.50, manage budgets and funds, convert Excel data to MARC, import MARC in Koha. Koha is useful for Library Science students and Library Staff who wish to create a Koha library for their institute.
33	KTurtle	Certificate	An educational programming environment which helps in learning how to build logic and how to program, in an easy manner. Some of its features are: intuitive syntax highlighting, simple error messages, integrated canvas to make drawings on, integrated help function, slow-motion or step execution, and more. Recommended for all who would like to learn programming logic. Useful for school students (7th standard and above)
34	LaTeX & XFig	(LaTeX) Certificate (XFig) Certificate	LaTeX is a typesetting software for preparing reports, letters and presentations - specially useful for persons engaged in writing/ publishing documents from science/ arts/ commerce fields. Xfig is a free and open source vector graphics editor. In Xfig , figures may be drawn using objects such as circles, boxes, lines, spline curves, text, etc. ... and used in LaTeX and other documents. Useful for UG/PG students, faculty and research scholars.
35	LibreOffice Suite	Certificate	Trains in basic computer usage skills like Word processing, Spreadsheet, Presentation using the LibreOffice components Writer , Calc and Impress . One can also learn other useful components like Draw , Math and Base in this series. Useful for school students (7th standard and above), anyone who wishes to learn to use an OFFICE suite.
36	Linux & Ubuntu BOSS Linux	Certificate	Free operating system, almost neutral to virus attacks and no hassles for licensing issues.

			Polytechnic/UG/PG computer hardware students and system administrators will greatly benefit by learning to use the Linux OS.
37	Linux AWK	Certificate	Linux AWK is a language for processing text files. AWK is typically used as a data extraction and reporting tool. It is a standard feature of most Unix-like operating systems. Polytechnic/UG/PG computer hardware students and system administrators can learn how to use the wide variety of AWK commands of Linux, to handle files, directories, processes etc.
38	Moodle Learning Management System	Certificate	Moodle LMS is one of the most popular LMS used globally by educational institutes. This Moodle series is divided into 2 parts - <ul style="list-style-type: none"> ▪ one for Moodle site administrators and ▪ another for teachers. Moodle site Administrators <ul style="list-style-type: none"> ▪ will install Moodle on the server ▪ create course categories as per institute guidelines and ▪ manage courses and user accounts for multiple courses Teachers will learn to- <ul style="list-style-type: none"> ▪ upload and edit content for their course. ▪ create assignments and quizzes to assess the students' progress and ▪ enroll students to their course and communicate with them. Useful for system administrators, site administrators, trainers and faculty. Not useful for students
39	OpenFOAM	Certificate	Open source/ free CFD (Computational Fluid Dynamics) software available for solving and analyzing problems and to create a real world fluid flow movie. Open source equivalent to FLUENT. Widely used in Academics and is gaining popularity in Industry as well- Companies including AUDI, Tata Steel, Volkswagen, and Govt. agencies like BARC (Babha Atomic Research Center). Useful for Mechanical, Civil, Chemical Engineering students in 3rd and 4th year. Works only on Linux
40	OpenModelica	Certificate	OpenModelica is an open source modelling and simulation environment intended for industrial and academic usage. It is an object oriented declarative multi domain modelling language for complex systems. Useful for Chemical Engg students to learn how to do energy balance
41	Perl	Certificate	Practical Extraction and Reporting Language commonly known as PERL is a high level, general purpose and dynamic programming

			<p>language. PERL has been used in graphics, web and network programming etc and you can find it's footprints in finance and bioinformatics domain, too.</p> <p>Useful for UG/PG CSE/IT/CS students to learn programming of business applications.</p>
42	PHP & MySQL	Certificate	<p>Package for developing interactive websites and establishing back-end connectivity with a database - Famous websites using PHP include Facebook, Google, and Wikipedia.</p> <p>Useful for UG/PG CSE/IT/CS students</p>
43	Python 3.4.3	Certificate	<p>Numerical computational software for Science and Engineering Education - used in 3D animation and Gaming industry, Artificial Intelligence, YouTube, NASA, CERN, Yahoo and so on.</p> <p>Useful for UG/PG CSE/IT/CS students and CBSE high school students</p>
44	QCAD	Certificate	<p>QCAD is a free, open source application for computer aided drafting (CAD) in two dimensions (2D).</p> <p>Learn to create technical drawings such as plans for buildings, interiors, mechanical parts or schematics and diagrams using QCAD.</p> <p>Useful for UG/PG architecture students</p>
45	R	Certificate	<p>R is the most preferred open-source language for analytics and data science. R offers a large variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering, ...) and graphical techniques, and is highly extensible.</p> <p>Useful for UG/PG CSE/IT/CS students to learn statistics, big data, data science</p>
46	RDBMS	Certificate	<p>RDBMS stands for Relational Database Management System. RDBMS is the basis for SQL, and for all modern database systems like MS SQL Server, IBM DB2, Oracle, MySQL, PostgreSQL and Microsoft Access. PostgreSQL is a powerful, open source relational database system. It runs on all major operating systems, including Linux, Windows and Mac OS. It supports most SQL data types, foreign keys, joins, views, triggers and stored procedures. It has programming interfaces for C/C++, Java, Perl, Python, Ruby etc.</p> <p>Useful for UG/PG CSE/IT/CS students to learn industry database management</p>
47	Ruby	Certificate	<p>Dynamic, open source, general-purpose, interpreted, true object-oriented programming language. It is a server-side scripting language similar to Python and PERL. Large programs written in Ruby are easily maintainable. It can be easily connected to DB2, MySQL, Oracle, and Sybase.</p>

			Useful for UG/PG CSE/IT/CS students to learn industry level programming
48	Scilab	Certificate	Mathematical and scientific calculation software, open source substitute for MATLAB, very useful for all science and engineering students, in academics particularly.
49	Single Board Heater System	Certificate	<p>A single-board heater system is a low cost, open source, lab-in-a-box setup. It consists of a heater assembly, fan, temperature sensor, ATmega16 micro-controller and associated circuitry.</p> <p>The application of this device is in the Control Systems area of Engineering. All Undergraduate level experiments and most Post graduate level control experiments can be performed on the SBHS device.</p>
50	Synfig 2D animation	Not for Training	<p>2D animation software designed as a powerful industrial-strength solution for creating film-quality animation using a vector and bitmap artwork.</p> <p>Useful for High School and UG/PG students who wish to learn animation.</p>
51	UCSF Chimera	Certificate	<p>UCSF Chimera is a program for interactive visualization and analysis of molecular structures and related data. Using Chimera, one can generate high-quality images and animations.</p> <p>Useful for UG/PG Chemistry students.</p>
	Typing Software		
52	KTouch	Training only, No certificates	Typing tutor - teaches how to type using an online interactive keyboard. Learn typing at your own pace. Gradually increase your typing speed and along with it, your accuracy.
53	TuxTyping	Training only, No certificates	Typing application especially for children Start typing, Practice lessons, Play a typing game, Set a language for typing
	Utility software/application		
54	K3B	Not for Training	Learn to burn audio/video/data CDs/DVDs using K3B
55	Filezilla	Not for Training	Learn to configure and use Filezilla , a free file transfer protocol application that's easy to set-up and customize.
56	Thunderbird	Not for Training	Learn to configure and use Thunderbird , a free email application that's easy to set-up and customize.
	Screen-reading software for the Visually Impaired		
57	Orca	Training only, No certificates	Orca helps a visually-impaired person to navigate and use a PC/laptop for his/her day-to-day activities on their own without aided help.

Upcoming Spoken Tutorial series are CSS, jquery, javascript, STEMI, Python Django, Python Flask, Linux for Sys-Ads, QGIS, Kotlin using Android Studio, XMGrace, Freeplane, Marble, Apps on Physics, GCompris, XCos Toolbox, Gnuplot

Be a Part of the Spoken Tutorial Project

The Spoken Tutorial Project-IIT Bombay, welcomes one and all to be part of an IT revolution and contribute to spread awareness amongst students, teachers and other individuals of society. You can contribute as a -

1. Training Organiser
2. Training RESOURCE Center
3. Training Partner

1. Training Organiser:-

Any Staff/Officer/Faculty member can be an organiser for the training. They make the first contact with the Spoken Tutorial team, IIT Bombay. As mentioned, Organisers need not know the Software to be taught in the Training/Workshop. The Organiser will arrange the computer lab and coordinate with students to fix a date and time for the first training. He/She will be in touch with the Spoken Tutorial team, IIT Bombay, on a regular basis to ensure that the training is successfully completed. It is recommended for almost all students in the college to get a chance to take the training. For this, the Organiser should identify faculties from other departments to register and start requesting training sessions. A calender or time table should be made to plan training and tests for maximum departmental coverage.

2. Training RESOURCE Center

Any College / University which wishes to contribute towards IT literacy and awareness can become a RESOURCE (**R**obust **E**xtensions for **S**poken Tutorial project on **O**pen Source Software Usage for **R**ecruitment, **C**ommunity and **E**ducation) Center. A RESOURCE Center can conduct remote workshops in its college, for other colleges and can also train other colleges and schools in conducting Spoken Tutorial training. It can identify training Organisers in Polytechnic, ITI and degree colleges, in and around its district. A RESOURCE Center can create a team of students and faculty members who will work to motivate the colleges to do this software training. Faculty Resource Persons from various places in India are already actively bringing in new colleges. **Click here to see the list**. In this way, the project can be spread and awareness created in the entire state. Additionally it is expected that the RESOURCE Center will train all its students as well incorporate the Software courses in the curriculum where relevant.

A RESOURCE Center will be awarded an Appreciation Letter from Spoken Tutorial project, IIT Bombay. RESOURCE Centers can mention that they are authorised RESOURCE Centers of Spoken Tutorial project, IIT Bombay on their website and in their advertisements.

3. Training Partner

These are universities and government bodies at state level such as DTE, CET, DET, DHE, VIT, DCE an so on. At their level and because they have a large circle of influence, such bodied can spread Spoken Tutorial based software training in a big way by Awareness - Circulars, Enabling - arranging training and appointing officers at regional/ zonal level, Monitoring - continuously motivating and urging the colleges to come forward and do the Training on their campuses.

How to conduct Training / Workshops

TRAINING

A Training is a software session for courses in syllabus which is conducted as a part of the Lab hours alongside a course.

Organising Spoken Tutorial Training at your Institution is very easy!

The Faculty Organiser can start with any of the software course that we offer- Basic IT Skills, Blender, Linux, C, C++, Java, Python, Ruby, PERL, LibreOffice Suite, LATEX, PHP and MySQL, ORCA, Oscad, Thunderbird, Firefox, GeoGebra, GIMP, GSChem Paint, etc.

How to make payment -

1. If making payment through NEFT :**Click here for Payment Flow via NEFT.**

Role of the Faculty Organiser

1. Inform us of your interest over mail or phone and we will register the college in our website.
2. As a necessary step please study the Training Flow in detail that explains the step by step procedure of how to conduct the Training, Workshops and arrange the tests.

Click here for Training Flow.

3. To register as a Faculty Organiser you need to create an account and assign yourself a Username and Password.

Click here for the Instructions on Instructions To Create a new Account and Register as a Faculty Organiser in the Spoken-Tutorial Website.

4. The Training Manager at the Spoken Tutorial team, IIT Bombay, will authenticate you as a "Faculty Organiser"(FO).
5. Once registration is done, FO has to click on Software training and go in Training Dashboard.
6. Access Semester Training Planner Summary (STPS) and follow the 3 steps mentioned. Plan Master Batch and upload csv file with student details, complete Semester Training Planner Form (STPF) and Select Participants List of students from Master Batch who will be taking particular course.
7. Faculty Organiser will upload a Master Batch consisting of all students in that department and year in .csv file

Click here for Instructions to upload the Master Batch Student List

8. Faculty Organiser will fill the Semester Training Planner Form(STPF). The STPF has to be completed prior to raising the Training Request.

Click here for Instructions to fill the Semester Training Planner Form (STPF)

9. Download the Spoken Tutorial content available on the link (http://www.spoken-tutorial.org/create_cd_content). Get the software and course content installed on all computers using the "Instructions for Installation" (This is provided in the CD/ web-link).

Click here for Instructions for Downloading the Tutorials

10. The Faculty Organiser will check that the machines have Firefox web browser and support sound and ensure have earphones.

Click here for the Machine Readiness document.

11. Participants will use the earphones and watch the tutorials individually. They will play-pause-practice and learn at their own pace, using side by side method. Learners can copy the content onto their Pen-drives or CDs or laptops.
12. After the workshop, Faculty Organiser will Select Participant List from the Master Batch to create a list.

Click here for Instructions to Select the Participant List from Master Batch.

13. Students will receive Participation Certificate once they complete the training.

Click here for Instructions to download Participation Certificate.

14. Any time after 4 weeks and preferably within a month or so after the Training, the group can come for the online assessment test and get Spoken Tutorial project, IIT BOMBAY 'Certificates.

15. Make a test request on our website and we will confirm it for you. Detailed but easy instruction sheets provided. You will need to identify an invigilator before the test request.

Click here for Test Request.

16. The invigilator will go through the registration process before the test and will monitor the test and attendance of the participants.

Click here for Instructions for Invigilator.

17. Your request will be confirmed and all the participants can take the test by following the simple instructions

Click here for Test Instruction for Participants.

18. For training the entire college, the chief Faculty Organiser can put together a team of representatives from other departments who can train many more students.

Downloading Spoken Tutorials

One can easily download the above mentioned software, tutorials and instruction sheets from the following link - http://www.spoken-tutorial.org/create_cd_content.

For installation and making copies on all the computers, please follow these easy steps -

Instructions for Downloading and Installing

1. Click on http://www.spoken-tutorial.org/create_cd_content.
2. Click on the FOSS category, Please select the Software to download which you have selected for conducting workshop. Select the language. You can select multiple languages by pressing CTRL+Click.
3. After selecting the software and language Click on Add.
4. You will see a small table which will specify the software name and language you have selected to download.
5. You can select more than one software as well to download by repeating Step 3 and 4.
6. Once the above steps are done Click on Submit.
7. This will prompt a window to open/save the zip file. Please save the zip file onto a pendrive. This can be used to install the course in all the systems. OR you can copy the zip folder content in CDs/DVD and use it for distribution or demonstration purposes.
8. Extract the content from the zip file into a folder.
9. Open the folder. Locate the read-me-first.txt file. Open it and read it carefully.
10. Follow the instructions given inside to locate the Installation and Instruction sheets. Do as directed in the Installation sheets to install the software in all the computers.
11. Take enough print-outs of the Instruction sheets – one for each participant.
12. Copy the extracted folder on each computer before the workshop.

Instructions for Training in Offline Mode

1. Hand out one **Instruction** sheet to each participant, before the training.

2. To begin the workshop, the participants have to open **index.html** file, which is present in the extracted folder.
3. To do so, right-click on **index.html** and choose **Open with Firefox** option.
4. Now, follow the instructions given in the **Instruction** Sheet and begin learning.
5. We recommend that participants should follow the sequence of topics given in the **index.html** file for better learning.

Instructions for installing LINUX OS

[Click here for instructions on Installation of LINUX OS](#)

Sample Time Tables / Syllabus with Mapped & UnMapped Spoken Tutorial Software Courses

[Click on the following link for Time Table](#)

- **Engineering Sample Time Table**
- **Polytechnic Sample Time Table**
- **ASC Sample Time Table**

Summer Faculty Development and Training programs

We are very eager to work together. The scope is limitless.....many departments doing many trainings, the relevant Spoken Tutorials being recommended within the curriculum, exciting summer Faculty and PG learning programs on LaTeX & Scilab. And even Linux and Libre Office for all the Admin. staff.

So just make plans and we will be with you every step of the way.....a few Faculty and Officers who will act as organizers/ coordinators can fix a 2 hour training date on any Software and make a request on our website for the same. That's the way to get started. ([Click here E-Brochure](#))

1. Spoken Tutorial Project, IIT Bombay Certificates will be issued to all the faculty members who take test in the Spoken Tutorial FDP.
2. Guidance is provided by the team at IIT Bombay.

Process and useful links: First the organizers create a login ID and then can access all the needed forms like requesting for training. and if you're are already registered as "Organizer" then requesting for FDP is just a click away.

Note: In Master Batch select Faculty Development Programs (FDPs) from the Department dropdown only while doing FDP for faculty.

Registration Link: <http://www.spoken-tutorial.org/user/register>

To download the course tutorials- <http://process.spoken-tutorial.org/images/1/1b/Download-Tutorials.pdf>

To get the lab ready - <http://process.spoken-tutorial.org/images/5/58/Machine-Readiness.pdf>

Please contact your respective state manager in case of any query.

Certificates from Spoken Tutorials, IIT Bombay

Certificate of Participation

Received on completing Training (i.e. after 30 days from Semester start date)

Completion Certificate

Received on completing Online Assessment Test.

Please Note Online tests **are NOT yet available** for the following software series -

1. Netbeans (will be made available soon)

NO CERTIFICATES

Please Note Certificates **will NOT be issued** for the following software series -

1. Advance C
2. Ascend
3. Firefox
4. Filezilla
5. KTouch
6. ORCA
7. STEP
8. Thunderbird
9. Tux Typing
10. XFig

Additionally, none of the new FOSS courses will have tests, until announced.

Contacts For Training

In case of any doubts or queries you can always get in touch with our Executive Officers / Training Managers-

No.	Name of States	Contact Person	Email Address	Phone
1	Assam, Arunachal Pradesh	Partha Goswami	parthagoswami50@gmail.com	+918486085798
2	Andhra Pradesh, Sikkim	Sanchita Samant	samantsanchita@gmail.com	+919167330348
3	Andhra Pradesh Schools	Kumud Ranjan	kumud.stiitb@gmail.com	+919060494724
4	Bengal, Bangladesh	Fariduddin Masud	fariduddin.masud@gmail.com	+918100526700
5	Bengal Schools, Jharkhand	Rudra Biswas	rudrabiswas9@gmail.com	+918879248798
6	Bihar	Zahera	zahera.shaikhiitb@gmail.com	+919930485081

		Shaikh		
7	Chandigarh, Himachal Pradesh	Harmeet Kaur	harmeetkaurst@gmail.com	+918968373910
8	Delhi and Uttarakhand	Akanksha Saini	akankshasaini2012@gmail.com	+919167593095
9	Delhi, Uttarakhand and CBSE Schools	Neelam Kamtekar	neelam78647@gmail.com	+918080973200
10	Gujarat, Odisha & Linux Promotion	Sudeha Shirke	sudehastp@gmail.com	+919769288893
11	Gujarat Schools	Jyoti Solanki	jjyotisolanki144@gmail.com	+919619287237
12	Goa and Puducherry	Shweta Nayak	nayakshweta82@gmail.com	+919920948380
13	Goa and Puducherry Schools	Hitendra Zala	hitzala75@gmail.com	+919664894343
14	Jammu & Kashmir Colleges and Schools	Hajra Bano	banohajra603@gmail.com	+917066995460/+919086943077
15	Kerala	Vinu Thomas Joseph	vtomjoseph@gmail.com	+919820068928
16	Karnataka, Chhattisgarh	Chaitra Gawade	chaitragawadestpiitb@gmail.com	+919738471845
17	Chhattisgarh Schools	Dilip Lihinar	dilipstiitb@gmail.com	+918286037723
18	Karnataka, Madhya Pradesh	Priyanka Shroff	priyankashroff23@gmail.com	+919713759405
19	Madhya Pradesh	Anita Kedare	anita.stpiitb@gmail.com	+919321530562
20	Madhya Pradesh Schools	Sonalika Beohar	sonalika.iitb@gmail.com	+917828400041
21	Maharashtra	Vidya Kadam	stmaharashtra@gmail.com	+918108536102
22	Maharashtra Schools	Ranjana Jayant Uke	ranjana.stpiitb@gmail.com	+918879065005
23	Punjab, Haryana Colleges	Tanvir Singh	singhtanvir21@gmail.com	+919041633230
24	Haryana Schools	Ajoy Raj Dattaram	ajoyraj.stiitb@gmail.com	+919967341263
25	Rajasthan, Manipur	Varsha Dand	varshadandst@gmail.com	+919833169465
26	Rajasthan Schools	Sangeeta Gaikwad	sangeetasgspoken19@gmail.com	+919619800383
27	Tamil Nadu	Swapnali Kadam	swapnalistp@gmail.com	+918082014548
28	Tamil Nadu Schools	Snehal Shirke	snehalstp@gmail.com	+919920895685
30	Tamil Nadu and Maharashtra Support	Richa Singh	richajit02@gmail.com	+919975022589
31	Telangana, Meghalaya, Mizoram, Tripura	Pooja Singh	singhpooja0389@gmail.com	+918600408189
32	Telangana Colleges,	Swati	s.dongardive123@gmail.com	+918693020666

	Linux Promotion	Dongardive		
33	Telangana	Preeti Naidu	preetinaidu.iitb@gmail.com	+919987884115
34	Uttar Pradesh	Renu Singh	renusingh66669@gmail.com	+919889844298
35	National Coordinator	Shyama Iyer	shyama.stiitb@gmail.com	+919702545816
36	National Coordinator - Colleges	Trupti More	truptismore@yahoo.com	+919820096122
37	All India Coordinator - Schools & NGO's	Swapnil More	moreswapnil66@gmail.com	+919833901538

Contributors and Content Editors

Diana, Mohamed, Mousumi, Nancy varkey, Sanmugam, St-admin, Vineeta

Retrieved from "<https://process.spoken-tutorial.org/index.php?title=Software-Training&oldid=1576>"

- This page was last modified on 22 July 2020, at 11:26.
- This page has been accessed 3,143,485 times.



Spoken Tutorial

Certificate for Completion of Python 3.4.3 Training

This is to certify that **SUMAN CHATTERJEE** has successfully completed **Python 3.4.3** test organized at **Dr. B. C. Roy Engineering College, Durgapur** by **TRIBENI PRASAD BANERJEE** with course material provided by the Spoken Tutorial Project, IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **ABHISEK MISRA** at **Dr. B. C. Roy Engineering College, Durgapur** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

November 21st 2019

A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay



Spoken Tutorial

Certificate for Completion of Python 3.4.3 Training

This is to certify that **APARNA KUMARI SINGH** has successfully completed **Python 3.4.3** test organized at **Dr. B. C. Roy Engineering College, Durgapur** by **TRIBENI PRASAD BANERJEE** with course material provided by the Spoken Tutorial Project, IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **ABHISEK MISRA** at **Dr. B. C. Roy Engineering College, Durgapur** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

November 21st 2019

Prof. Kannan M Moudgalya
IIT Bombay

DR. B. C. ROY ENGINEERING COLLEGE



SECTION: 7.2

BEST PRACTICES

For more Details click the below link –

www.bcrec.ac.in/ADDITIONAL_INFORMATION_7_2_1.html