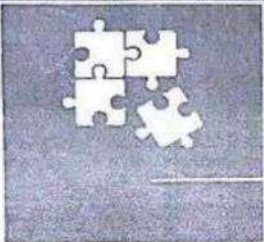



**Report of event of
NPTEL Course on
Professional Scientific
Communication**

Date: 28/01/19 to 22/02/19

3.NPTEL Course on Professional Scientific Communication



INTRODUCTION TO PROFESSIONAL SCIENTIFIC COMMUNICATION



PROF. S. GANESH
Department of Biology, Genetics and Genomics
IIT Kanpur

TYPE OF COURSE : Rerun | Core | PG **COURSE DURATION** : 4 weeks (28 Jan'19 - 22 Feb'19)

INTENDED AUDIENCE : Science and engineering stream students interested or pursuing R&D related activities. **EXAM DATE** : 31 Mar 2019

PRE-REQUISITES : Basic level of understanding on concept and methodology in scientific research


INDUSTRIES APPLICABLE TO : This course is meant for professional development, and hence applicable to all R&D related industries and academia

COURSE OUTLINE :
The objective of this course is to introduce undergraduate and postgraduate students to the different aspects of professional science communication including written and oral communication, and publication ethics in research.

ABOUT INSTRUCTOR :
Prof. S. Ganesh teaches biology, genetics and genomics at IIT Kanpur. His research interests include human molecular genetics and neuroscience. He works on genetic forms of neurodegenerative disorders in humans to understand their genetics and disease mechanisms, and to develop therapeutics. He has been serving on the editorial boards of journals, and offers courses on professional and scientific communication at IIT Kanpur. For more information, visit his group's website: <http://home.iitk.ac.in/~sganesh/>

COURSE PLAN :

- Week 01** : Introduction to Professional Scientific Communication, Discussion of creativity, research ideas and where to find them, Inductive reasoning versus deductive reasoning.
- Week 02** : Hypothesis, reasoning and testing the hypothesis, Peer review process, Structure of a scientific report.
- Week 03** : Structure of a Research article, Title, abstract, methods, results, and discussion.
- Week 04** : Structure of a Research article contd., Schematic diagrams, figures, tables and flow charts – rationale and usage, Ethics in biomedical research, Different forms of writing: scientific report, proposal, and reviews, Presentations-thumb rules and good practice.



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7. INTRODUCTION TO PROFESSIONAL SCIENTIFIC COMMUNICATION

Week 01-

Introduction to Professional Scientific Communication, Discussion of creativity, research ideas and where to find them, Inductive reasoning versus deductive reasoning.

Week 02-

Hypothesis, reasoning and testing the hypothesis, Peer review process, Structure of a scientific report.

Week 03-

Structure of a Research article, Title, abstract, methods, results, and discussion.

Week 04-

Structure of a Research article contd., Schematic diagrams, figures, tables and flow charts – rationale and usage, Ethics in biomedical research, Different forms of writing: scientific report, proposal, and reviews, Presentations-thumb rules and good practice.



Course Name: Introduction to Professional Scientific Communication

[About Course](#)[Certificate Type](#)[Toppers list](#)[Statistics](#)


Intro - Introduction To Professional Scientific Communicati...



Course abstract

The objective of this course is to introduce under-graduate and post-graduate students to the different aspects of professional science communication including written communication, oral communication, reading and ethics in communication.

Course Instructor

 Media Object

Prof. S. Ganesh

Prof. S. Ganesh teaches biology, genetics and genomics at IIT Kanpur. His research interests include human molecular genetics and neuroscience. He works on genetic forms of neurodegenerative disorders in humans to understand their genetics and disease mechanisms, and to develop therapeutics. He has been serving on the editorial boards of journals, and offers courses on professional and scientific communication at IIT Kanpur.

Teaching Assistant(s)



National Programme on Technology Enhanced Learning (NPTEL)

The National Programme on Technology Enhanced Learning (NPTEL) was initiated by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore in 2003.

The Online Education which was started with NPTEL for Technology Courses has now been broadened to include all other disciplines such as Humanities, Social Sciences and Management in the indigenous online platform SWAYAM.

NPTEL has become a part of SWAYAM, all the NPTEL Local Chapters have been re-designated as **SWAYAM - NPTEL Local Chapter**.

Anytime Anywhere Learning

Massive Open Online Courses (MOOC) is essentially an asynchronous platform and a process for teaching through pre-recorded lectures, resource video materials, lecture notes, assignments and quizzes, which are usually online and provide self-assessment in regular intervals during learning.

The enrolment to and learning from these courses involves no cost.

Following these online courses, an in-person, proctored certification exam is conducted across 100+ cities within India and a certificate is provided through the participating institutions and industry, when applicable.

As it is MOOC type of course conducted by Government body open to all and attended by enrolled candidate from any where and anytime.





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Directorate of Technical Education, Mumbai (MS); Permanently affiliated to
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Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661315 Fax : 020-27661314

E-mail : mcopnigd144@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari
M.Pharm., Ph.D.
Principal

Prof. Dr. Gajanan R. Ekbote
M.S., M.N.A.M.S.
Chairman, Business Council
P.E.Society, Pune

2018-19

Name of Course : NPTEL Course on Introduction to Professional Scientific
Communication

Date: Jan-Feb 2019

Course Code: NA

Course Duration: 4 week

List of Students

Sr. No	Name of Students	Sign
1	BHOR RUCHITA BALU	

Dr. A. A. Phatak
Single Point of Contact



Dr. P. D. Chaudhari
Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



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Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. : 020-27661315 Fax : 020-27661314
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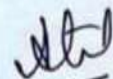
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P.E.Society, Pune

2018-19

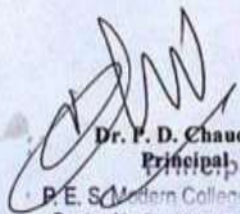
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Communication
Date: Jan-Feb 2019
Course Duration: 4 week
Course Code: NA

List of Students

Sr. No	Name of Students	Assessment %
1	BHOR RUCHITA BALU	79


Dr. A. A. Phatak
Single Point of Contact




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Principal
P.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.