



**AWARENESS WORKSHOP ON SWAYAM AND NPTEL**  
Jointly Organized By  
**Internal Quality Assurance Cells of**  
**Shri Ramdeobaba College of Engineering and Management, Nagpur**  
and  
**Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**  
In Association with  
**NPTEL, Indian Institute of Technology, Kanpur**  
**19<sup>th</sup> – 20<sup>th</sup> July 2019**  
at  
**Shri Ramdeobaba College of Engineering and Management, Nagpur**



A two-days long first of its kind ‘Awareness Workshop on SWAYAM (Study Webs of Active Learning for Young Aspiring Minds) and NPTEL (National Program on Technology Learning)’ was organized at Shri Ramdeobaba College of Engineering and Management, Nagpur during 19<sup>th</sup> -20<sup>th</sup> July 2019. The workshop was jointly organized by Internal Quality Assurance Cells of Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur & Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur, in association with NPTEL, Indian Institute of Technology (IIT), Kanpur. The purpose of hosting this Workshop was aimed at increasing awareness about indigenous online learning platforms SWAYAM and NPTEL and the importance of the MOOCs among the faculty members across the institutions under RTMNU, Nagpur and in the surrounding geographical region of Nagpur.

On the first day of the workshop, 19<sup>th</sup> July 2019, sessions on the awareness about the SWAYAM platform was conducted and on the next day 20<sup>th</sup> July 2019, sessions on awareness about the NPTEL was conducted.



Dr. S. B. Zade, Director IQAC, RTMNU; Dr. S. M. Pande, Head of Department, Physics, RCOEM; Dr. R. S. Sharma, SWAYAM Coordinator, RTMNU and Dr. A. D. Deshpande, Asst. Prof. Dept. of Physics and SPOC, SWAYAM-NPTEL Local chapter RCOEM were the Workshop Coordinators. Organizing committee comprised of faculties from Physics Department , RCOEM and faculties from Physics, Chemistry and Botany PGTD departments, RTMNU, Nagpur.

Hon'ble Vice Chancellor RTMNU, Nagpur Dr. V.S. Despande was the Chief Guest of the inaugural function. Dr. R. S. Pande, Principal, RCOEM, Dr. S. B. Zade, organizer and Director IQAC, RTMNU; Dr. S. M. Pande, organizer and Head of Department, Physics, RCOEM and Dr. (Mrs.) M. A. Hasamnis, Member Secretary, IQAC, RCOEM were prominently present on dais. Shri Govindlal Agarwal, General Secretary RCOEM, presided over the function.

Dr. R. S. Pande, Principal, RCOEM in the welcome address described about advantages of SWAYAM and NPTEL platform for all stakeholders and also the international scenario of the MOOCs and Online learning, its impact on global economy. He congratulated RCOEM, SWAYAM-NPTEL Local Chapter for being ACTIVE Local Chapter and improving the initial position from 147<sup>th</sup> to 126<sup>th</sup> during NPTEL examination run Jan-Apr 2019.



Dr. V.S. Deshpande in his address mentioned that satellite technology, Massive Open Online Courses (MOOCs) need to be adopted in our education system to channelize the energy of today's young and innovative minds of students. He also mentioned that SWAYAM and NPTEL initiative by Ministry of HRD is the best way to cater equality, quality and challenges in education.

Dr. S. B. Zade presented outline of Workshop and sessions to be conducted during two days Workshop. Shri Govindlal Agarwal in his presidential address urged faculty members and participants to reinforce the student-teacher interaction in a positive mode. Dr. S. M. Pande proposed vote of thanks.



Dr. Rekha Sharma, SWYAM coordinator, RTMNU conducted two expert lecture sessions on 19<sup>th</sup> July 2019. She elaborately explained about SWAYAM platform with videos and actual online demonstrations on SWAYAM Platform. She also motivated the participants for creating their own online courses.

On 20<sup>th</sup> July 2019 Awareness workshop on NPTEL was conducted by NPTEL Team, IIT Kanpur. Prof. Satyaki Roy, National coordinator, NPTEL and Professor at IIT, Kanpur and Ms. Angana Sengupta, Coordinator NPTEL, IIT Kanpur conducted sessions on NPTEL.



Prof. Roy informed about the objectives of NPTEL, benefits of NPTEL Courses for higher education, Internship, GATE preparation etc.

Ms. Angana Sengupta gave a detailed account of NPTEL Local chapters. She enlightened the audience about processes needed to make a participating institution a NPTEL Local chapter, the advantages passed on to the students of Local chapters, Local Chapter ratings, proctored NPTEL online examination, etc.



Dr. Asmita D. Deshpande, SPOC, RCOEM, SWAYAM-NPTEL Local Chapter and one of the Coordinator(s) for this workshop briefed about the performance of candidates from RCOEM, NPTEL Local Chapter during NPTEL examination run Jan-Apr 2019. The details are as follows

- ✓ **Shifted from 147<sup>th</sup> to 126<sup>th</sup> position in the ranking of NPTEL Local Chapters**
- ✓ **17 Course Toppers certificates (1% , 2% & 5% course topper category)**
- ✓ **10 Gold category certificates**
- ✓ **47 Silver category certificates**
- ✓ **69 Elite category certificates**
- ✓ **52 Successfully completed certificates**
- ✓ **41 FDP Certificates**
- ✓ **RCOEM NPTEL Local Chapter is Rated as Active Local Chapter**

Also, the Candidates from RCOEM, NPTEL Local Chapter including faculty members, who have shown exemplary performance during Jan-Apr 2019 NPTEL examination run, were felicitated at the hands of Dr. Satyaki Roy and other dignitaries present by giving them appreciation letters.



## Applauding Moments

On the basis of performance in NPTEL Online Examination during Jan-Apr 2019 run, NPTEL Team IIT (Kanpur) has invited 3 students,

- ✓ **Ms. NUPUR VYAS,**
- ✓ **Ms. RAKSHITA JAYANT JOSHI,**
- ✓ **Mr. PRANAV MANBHEKAR**

of Computer Science Department RCOEM to visit CSE Department of IIT (Kanpur). Their travel and accommodation arrangements will be borne by NPTEL, IIT (Kanpur).

At the end of the workshop participants are invited to give the feed back about the workshop.

Dr. Asmita D. Deshpande, SPOC, RCOEM, SWAYAM-NPTEL Local Chapter, proposed formal vote of thanks.



## Organizing Team



<p><b>Shri Ramdeobaba College of Engineering and Management, Nagpur</b></p> <p><b>AWARENESS WORKSHOP ON SWAYAM</b> (Study Webs of Active Learning for Young Aspiring Minds) and <b>NPTEL</b> (National Program on Technology Enhanced Learning) <b>On 19<sup>th</sup> - 20<sup>th</sup> July 2019</b> Jointly Organized by Internal Quality Assurance Cells (IQAC) of Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur and Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur In Association with NPTEL, Indian Institute of Technology (IIT), Kanpur</p> <p>www.ranec.edu</p>	<p><b>NPTEL</b> Indian Institute of Technology, Kanpur</p> <p>NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING (NPTEL) CENTRAL SECTOR SCHEME FOR MASSIVE ONLINE OPEN COURSES (CSO MOOCs)</p> <p><b>NPTEL AWARENESS WORKSHOP</b></p> <p>Shri Ramdeobaba College of Engineering and Management Nagpur, Maharashtra 20th July, 2019</p> <p><a href="http://npTEL.ac.in">http://npTEL.ac.in</a> <a href="https://onlinecourses.npTEL.ac.in">https://onlinecourses.npTEL.ac.in</a> <a href="https://npTEL.ac.in/localchapter">https://npTEL.ac.in/localchapter</a></p>
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### AWARENESS WORKSHOP ON SWAYAM AND NPTEL

*Jointly Organized By*  
Shri Ramdeobaba College Of Engineering  
And Management, Nagpur  
&  
Internal Quality Assurance Cell,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur  
*In Association with*  
NPTEL, Indian Institute of Technology, Kanpur

On 19<sup>th</sup> & 20<sup>th</sup> July 2019  
At Shri Ramdeobaba College Of Engineering  
And Management, Nagpur  
(Main Auditorium, Administrative Building)  
Katol Road, Nagpur -440013  
Timings : 10.30 am to 5.30 pm  
For registration reporting time is 9.30 am

**Registration Form**

Please fill this form and send it to us by email to [nptel@rknc.edu](mailto:nptel@rknc.edu) before 10<sup>th</sup> July 2019. Also fill in your details in Google Form without fail.

Name of the Institute \_\_\_\_\_  
Address \_\_\_\_\_  
&  
Contact Number \_\_\_\_\_  
e-mail \_\_\_\_\_  
Name of Director/Principal of the Institute \_\_\_\_\_

Name of the Participants

1. \_\_\_\_\_ Discipline \_\_\_\_\_  
Mobile \_\_\_\_\_ e-mail \_\_\_\_\_  
2. \_\_\_\_\_ Discipline \_\_\_\_\_  
Mobile \_\_\_\_\_ e-mail \_\_\_\_\_

\* If you are not able to attend the Workshop, kindly inform us about your inability to attend the Workshop, as the number of seats is limited.  
\* Submit the duly filled hard copy of this form at registration counter on the day of the Workshop.

Signature and Seal of the  
Head/Director of the Institute

### WORKSHOP OBJECTIVES:

- To increase awareness about indigenous MOOCs Platforms SWAYAM & NPTEL.
- Talk about what SWAYAM and NPTEL are, Courses, formats, extra features such as text transcription, video download, credit transfer scheme, etc
- Development of your own Online Courses
- Local Chapter – How colleges and SWAYAM, NPTEL can work together and interact directly.

**ELIGIBILITY:** Industry Personnel, Engineering, Medical, Science, Arts, Commerce, Pharmacy, Management faculty members / Principals / HODs. (Maximum of 2 participants from each Industry / Institution)

**No registration fees for the workshop.**  
**Certificate will be issued to those who will attend all the sessions.**

### Guidelines for TA & Accommodation:

**Travel Allowance :**  
TA would be paid to the participants, against proper submission of bills which would include local travel like Ola, Uber, etc. If any participant is coming from outside, to and fro 3 AC Train fare is refunded against submission of valid tickets (both ways).  
For a journey distance more than 200km, you are requested to consult us before planning your travel.  
TA will not be reimbursed to anybody travelling by own conveyance and also participants from the host college.

**Accommodation Arrangements :**  
For the outstation candidates @400/- (Including dinner) per day per person can be made at RCEOM, College hostel upon prior intimation only. Expenses for accommodation have to be incurred by the participants.  
In order to allow us to make all arrangements to the best of our ability, kindly send us the completed registration form on or before 10<sup>th</sup> July 2019 by email to [nptel@rknc.edu](mailto:nptel@rknc.edu). Also fill in the details in Google form.

**Link for Google form:**  
<http://tinyurl.com/y58xvqns>



### AWARENESS WORKSHOP ON SWAYAM (Study Webs of Active Learning for Young Aspiring Minds)

And  
**NPTEL**  
(National Program on Technology  
Enhanced Learning)

*Jointly Organized by*  
Internal Quality Assurance Cells, (IQAC) of  
Shri Ramdeobaba College of Engineering  
and Management (RCOEM), Nagpur  
&  
Rashtrasant Tukadoji Maharaj  
Nagpur University (RTMNU), Nagpur  
*In Association With*  
NPTEL, Indian Institute of Technology  
(IIT), Kanpur

On 19<sup>th</sup> and 20<sup>th</sup> July 2019  
At Shri Ramdeobaba College Of Engineering  
And Management, Nagpur  
(Main Auditorium, Administrative Building)  
Ramdeo Tekadi, Gittikhadan, Katol Road, Nagpur,  
Maharashtra, Pin: 440013  
9607980531/2/3/4/5/6; EPBX:-91 712 2580011  
Mail: [principal@rknc.edu](mailto:principal@rknc.edu); Website: [rknc.edu](http://rknc.edu)

*The workshop details are available at:*  
<http://nptel.ac.in>  
[www.rknc.edu](http://www.rknc.edu)

### Workshop Coordinators:

- Prof (Dr.) Suresh B. Zade,**  
Director, IQAC, RTMNU, Nagpur  
[profsbzade@rediffmail.com](mailto:profsbzade@rediffmail.com); +919423403250
- Prof (Dr.) Sunil M. Pande,**  
HOD, Dept. of Physics, RCOEM, Nagpur  
[hodphysics@rknc.edu](mailto:hodphysics@rknc.edu); +919890238054
- Dr. (Mrs) Rekha S. Sharma,**  
SWAYAM Coordinator, RTMNU, Nagpur  
[drrekhasushil@gmail.com](mailto:drrekhasushil@gmail.com); +919823755977
- Dr. Asmita D. Deshpande,**  
SPOC, RCOEM, SWAYAM-NPTEL, Local Chapter  
[nptel@rknc.edu](mailto:nptel@rknc.edu); +919096500331

**Organizing Committee Members:**  
**Department of Physics (RCOEM) :**

- Dr. R. U. Tiwari      Dr. P. R. Gandhi,
- Dr. Shilpa Kulkarni      Dr. Renuka Nafdey,
- Dr. Pankaj Belsare      Dr. Prasanna Kulkarni

**Department of Chemistry (PGTD), RTMNU, Nagpur**

- Dr. Vijay Tangde      Dr. Ravin Jugade

**Department of Physics (PGTD), RTMNU, Nagpur**

- Dr. Abhay Deshmukh      Dr. Umesh Palikundwar

**Department of Botany (PGTD), RTMNU, Nagpur**

- Dr. Rupesh Badere

### What is SWAYAM ?

- SWAYAM Study Webs of Active Learning for Young Aspiring Minds is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education Policy viz., Access, Equity and Quality. The objective of this effort is to design and take the best teaching learning resources to all, including the most disadvantaged and make them able to join the mainstream of the knowledge economy.
- This is done through a platform that facilitates hosting of all the courses, to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country and are available free of cost to any learner. More than 1,000 specially chosen faculty and teachers from across the country have participated in preparing these courses.

### What is NPTEL?

- In order to ensure that best quality content is produced and delivered, nine National Coordinators have been appointed. They are: AICTE, NPTEL, UGC, CEC, NCERT, NIOS, IGNOU, IIMB, NITTR. <http://swayam.gov.in>
- NPTEL National Programme on Technology Enhanced Learning is an initiative by the IITs (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and IISc, Bangalore along with full financial support by MHRD.
- Manpower requirement for trained engineers, scientists and technologists is far more than the number of qualified graduates that Indian educational institutions can provide currently. Among these, the number of institutions having fully qualified and trained teachers in all disciplines being taught forms a small fraction. NPTEL helps disseminate teaching/learning content of high quality and uses technology for dissemination.
- A large number of students who are unable to attend scholarly institutions will have access to quality content through NPTEL. All those who are gainfully employed in industries and all other walks of life and require continuous training and updating their knowledge can also benefit from well-developed and peer-reviewed course contents by the IITs, IISc and other partner institutions in NPTEL. [https://swayam.gov.in/nc\\_details/NPTEL](https://swayam.gov.in/nc_details/NPTEL)

### About RTMNU:

Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), formerly known as Nagpur University, since its inception on 4 August 1923, has expanded leaps & bound scaling peaks of success in the field of higher education and research. It is one of India's oldest universities, the second oldest in Maharashtra. Today it has acquired a distinct position nationally and internationally as a place of higher learning for creating knowledgeable and skillful manpower. The university is a member of the Association of Indian Universities and the Association of Commonwealth Universities.

The university is composed of the Faculties Science & technology, Commerce & Management, Humanities & Interdisciplinary Studies consisting of 39 Postgraduate teaching departments (PGTD) and three constituent colleges (Law College, College of Education and the Laxminarayan Institute of Technology). There are 531 colleges affiliated to the university.

### About RCOEM :

Shri Ramdeobaba College of Engineering And Management, Nagpur (RCOEM) is an Autonomous Institution permanently affiliated to RTMNU. RCOEM envisages the institute par excellence and committed to achieve exemplary standards in Engineering and Management Education. It is an institute accredited by NAAC with 'A' Grade and NBA accredited Engineering Departments. It is also an ISO 9001:2015 Certified Institution.

RCOEM was established in 1984 by Shri Ramdeobaba Sarvajani Samiti (SRSS), a trust which has been involved in community service for over four decades. More than 35 years of fruitful journey has helped RCOEM grow deep roots and establish a strong foundation in technical education. Journey of a student in this institute has always involved comprehensive knowledge building from practical skills, theoretical knowledge to personality development, which has given them a head-start in their career. RCOEM encourage all to adhere to the highest ethical standards and professional integrity and aim to enhance the satisfaction level of all stakeholders.

### Some Highlights & Statistics about NPTEL:

- Largest and most viewed/ accessed educational repository
- Most subscribed educational channel: 1.5 million+ channel subscribers; 404+ million views
- 56000+ hrs of video contents, transcribed with subtitles
- Most accessed library of peer-reviewed educational content in the world
- Courses completed so far: 1300
- Number of students enrolled: 6335382
- Number of students registered: 627866
- Number of students certified: 464093
- Ongoing run of certification courses in July-Dec 2019: 359

**NPTEL Local Chapter :**  
It is a partnership between the College and NPTEL.  
<https://nptel.ac.in/LocalChapter/>