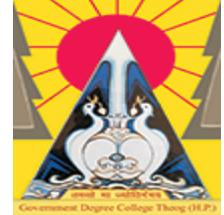




Department of Chemistry Government College Theog



Orientation Report on SWAYAM-NPTEL Courses

Faculty: Dr Vikas Nathan

Audience: B.Sc. 1st, B.Sc. 2nd, B.Sc. 3rd Year Students

Date: July 2025

1. Introduction

Dr Vikas Nathan began the session by introducing **SWAYAM**—"Study Webs of Active-Learning for Young Aspiring Minds"—as India's official MOOC platform, launched by the Ministry of Education in 2017, offering free online education from class IX through postgraduate level. Within SWAYAM, **NPTEL** is the national coordinator for engineering, science, and technical disciplines, developing content in partnership with IITs and IISc since 2003.

2. Types of Courses Available

- **Scheduled NPTEL Courses:** Typically offered in Jan–Apr and Jul–Dec semesters, with fixed start and end dates, weekly assignments, a proctored final exam, and optional certification
- **Self-Paced Courses:** Available year-round without fixed deadlines—learn at your speed, but note that not all may offer proctored exams or certification

Courses span durations of **4, 8, or 12 weeks**, covering topics across engineering, humanities, sciences, management and more

3. Navigating the Portal & Exploring Courses

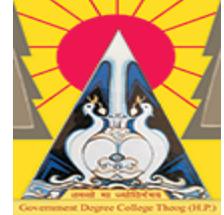
The faculty demonstrated use of swayam.gov.in and onlinecourses.nptel.ac.in:

- Logging in and selecting your role (e.g. "Student")
- Searching via subject, duration, or keywords
- Viewing course details including instructor(s), syllabus, weekly modules, and exam structure.

Students explored an example course interface live—checking syllabi, faculty profiles, quiz timelines, and credit information.



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4. Course Details: Faculty, Duration, Syllabus, and Credits

Each scheduled course lists:

- Instructor(s) and affiliated institution.
- Full **syllabus**, broken down into weekly modules and self-assessment quizzes.
- Course **duration**: 4, 8, or 12 weeks.
- The optional **credit** assigned under UGC's credit framework—commonly up to 3 credits per course, transferable to academic records under applicable institutional guidelines.

5. Enrollment, Fee Payment & Exam Registration

- **Enroll (join)** before the course start date (29th July, 2025)
- **Register for exam** (and pay exam fee, approx ₹ 1000 per course) before the exam form closing date 15th August, 2025
- Payment via debit/credit card, net banking or UPI; SC/ST and PwD students get a 50% fee waiver, with documents uploaded at registration time

6. Important Dates Reporting

- **Enrollment Last Date**: typically ~15–20 days into course start; portal displays exact date per offering.
- **Exam Registration & Fee Payment Deadline**: usually ~2 weeks before exam; late fees apply for last few days before closing (example: Feb 10–14, 2025 window for Jan–Apr semester).
- **Examination Dates**: declared per semester—example Jan–Apr session exams often held in May; July–Dec session in December–January

7. Certificate Eligibility Criteria

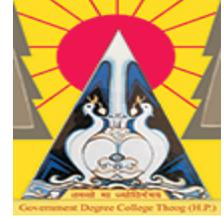
To receive a certificate, you must:

1. Enroll and watch course content; submit at least 40% weekly assignment score.
2. Register, pay and appear for proctored final exam.
3. Achieve $\geq 40\%$ in the final exam **and** $\geq 40\%$ average in assignments **NPTEL**.

Upon successful completion, SWAYAM-NPTEL issues a signed certificate which may be used for academic credit (up to 20% of a degree program) or placement benefit.



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8. Personal Learning Experience by Dr. Vikas Nathan

I shared my experience completing a 12-week NPTEL course on **Elementary Thermodynamics for All** by **Prof. Srabani Taraphder** from **Department of Chemistry Indian Institute of Technology, Kharagpur**.

- The **structured weekly modules** and **graded assignments** kept me on track.
- **Discussion forums and Q&A** allowed interaction with faculty and peers.
- Preparing for the proctored exam sharpened my understanding.
- The certificate, earned with distinction, is now part of my academic portfolio and helped showcase my commitment in interviews.

9. Conclusion

Dr Vikas Nathan successfully oriented students on how to leverage SWAYAM-NPTEL: from exploring courses to enrolling, completing assignments, and obtaining certification. The platform opens exceptional opportunities to learn from India's top institutes at minimal cost, boost one's academic CV, earn transferable credits, and expand knowledge beyond college syllabus.

Prepared by: Dr Vikas Nathan

Department: Chemistry

Date of Preparation: July, 2025





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