

JALPAIGURI GOVERNMENT ENGINEERING COLLEGE

Jalpaiguri - 735102, West Bengal
(An Autonomous Government Engineering College)

**STUDENT GUIDELINES FOR REGISTRATION, PARTICIPATION AND
COMPLETION
SKILL ENHANCEMENT COURSES - SEC-181 AND SEC-282**

Applicable to	First-Year B.Tech. students of CE, EE, ME, CSE, ECE and IT
Course structure	SEC-181: 0-0-2, 1 credits; SEC-282: 0-0-4, 2 credits
Academic year	2026-27 onwards
Prepared by	Committee for Skill Enhancement Courses
Overall Coordinator	Dr. Md Naim Hossain, Department of Mechanical Engineering

Reference basis: JGEC first-year NEP-compliant syllabus for SEC-181/SEC-282 (particularly syllabus pp. 5-6 and 45-46).

IMPORTANT: Do not register for or pay for any external course expecting SEC credit until the course is approved by your designated Departmental SEC Coordinator.

1. Purpose

These guidelines are issued to help first-year B.Tech. students correctly select, register for, participate in, complete and obtain evaluation for SEC-181 and SEC-282. The courses are skill-oriented practical courses carrying 3 credits each. The guidelines also explain the approved course-basket system, department-wise approval, monitoring checkpoints, evaluation components, first-year exit relevance, and the documentary evidence students must preserve.

2. What SEC-181 and SEC-282 Allow

The syllabus permits Skill Enhancement Courses to be completed through approved MOOCs/online skill courses such as SWAYAM Plus and FutureSkills Prime, or through other approved practical skills, hands-on training, soft skills and Institute/University-offered activities. Students therefore have two approved routes, but the final course must be selected from the latest departmental SEC basket.

3. Two Approved Course Routes

3.1 Bucket A - Approved External / Online Skill Courses

This bucket may contain courses from SWAYAM Plus, FutureSkills Prime, NPTEL/SWAYAM or another platform specifically approved by the SEC Committee. External availability does not itself mean JGEC approval. A course becomes valid for SEC only when it appears in the latest approved departmental basket or is specifically approved in writing by the Departmental SEC Coordinator.

3.2 Bucket B - JGEC Department/Institute-Offered Skill Courses

Each department may separately offer practical or hands-on skill courses using College faculty, laboratories, workshops, software, equipment, invited experts or approved collaborators. This bucket is dynamic and may change from semester to semester depending on faculty availability, infrastructure, laboratory capacity, software, industry collaboration and academic scheduling. Students must contact their Departmental SEC Coordinator for the latest list.

4. Official Platforms and Website QR Codes

Students may scan the QR codes below to open the official websites on a mobile phone. These websites may be used to explore courses. Exploration is not the same as SEC approval; approval must be obtained before registration.

Platform / Resource	Purpose	Website	Scan QR
SWAYAM Plus	Skill and employability courses; Ministry of Education initiative implemented through IIT Madras.	Open official website	
SWAYAM	Government of India MOOC platform.	Open official website	
NPTEL	IIT/IISc online courses and certification offerings.	Open official website	
FutureSkills Prime	MeitY-nasscom digital-skilling platform.	Open official website	
SWAYAM Plus - UGC Validated Courses	Current UGC-validated skill-course collection; offerings and eligibility may change.	Open official website	

5. Department-Wise SEC Coordinators

Students should communicate first with the designated SEC Coordinator of their own department for course selection, approval, registration guidance, monitoring and evaluation. Since no Civil Engineering member was included in the constituted committee, Mr. Somenath Guha is the designated member for Civil Engineering students.

Department	Designated SEC Coordinator	Department / Role
Civil Engineering (CE)	Mr. Somenath Guha	Department of Humanities - designated SEC member for CE
Electrical Engineering (EE)	Mr. Bhaskar Lodh	Department of EE
Mechanical Engineering (ME)	Mr. Rajesh Roy	Department of ME
Computer Science & Engineering (CSE)	Mr. Swarup Samanta	Department of CSE
Electronics & Communication Engineering (ECE)	Mr. Jaydip Lahiri	Department of ECE
Information Technology (IT)	Ms. Debamita Saha	Department of IT

Overall SEC Committee Coordinator: Dr. Md Naim Hossain, Department of Mechanical Engineering. Students should ordinarily approach the respective Departmental SEC Coordinator first; unresolved or exceptional cases may be escalated through the departmental coordinator.

6. Why Prior Departmental Approval is Mandatory

As a JGEC implementation requirement, the selected SEC course must be appropriately relevant to the student's parent engineering discipline or to an approved interdisciplinary professional skill. The student must therefore consult the Departmental SEC Coordinator before registration. An independently selected course, even if it is available on a recognized platform, will not automatically be accepted for SEC credit.

This departmental-relevance check is especially important because the adopted first-year curriculum provides an exit route to a UG Certificate in the relevant discipline/subject. The curriculum states that the first-year exit requirement includes 6 credits from skill-based courses earned during the first and second semesters, together with the separately prescribed 4 credits from work-based vocational courses / internship / apprenticeship.

For the first-year exit route: SEC-181 (3 credits) + SEC-282 (3 credits) = 6 skill-based credits. Discipline-relevant selection must be confirmed with the Departmental SEC Coordinator.

7. How the Approved SEC Basket Works

- The Departmental SEC Coordinator/Committee will publish or communicate an approved basket before registration.
- The external course basket must be reviewed each session because platform catalogues, fees, prerequisites, schedules and assessment procedures can change.
- Where feasible, a fallback option may be identified against an external course in case the course is withdrawn or registration becomes unavailable.
- The JGEC department-offered basket may also change each semester based on available faculty, laboratories, equipment and schedule.
- Students must use the latest basket for their own department; an old list or another department's list should not be treated as approval.

8. Step-by-Step Course Selection and Registration Procedure

- 1. Check the latest approved basket:** Obtain the current external and/or JGEC department-offered SEC options from the designated Departmental SEC Coordinator.
- 2. Choose a discipline-relevant course:** Select an option that is appropriate for your branch, current level, professional development and semester schedule.
- 3. Discuss the selected course:** For an external course, show the official course page/QR/link to the Departmental SEC Coordinator and confirm eligibility, duration, fee, assessment, certification and departmental relevance.
- 4. Obtain approval before payment:** Do not pay for an external course before the Departmental SEC Coordinator confirms that it can be used for SEC.
- 5. Register through the official route:** Use the official platform or the JGEC departmental registration process. Use your correct name and academic details.
- 6. Submit registration proof:** Submit the required course/enrolment information to the Departmental SEC Coordinator within the notified period.
- 7. Begin the course promptly:** Follow the platform/department schedule and preserve evidence of participation from the beginning.

9. Information to Submit Immediately After Registration

- Student name
- Roll number
- Registration number
- Department
- Semester
- SEC code (SEC-181 or SEC-282)
- Selected course title
- Platform/provider or JGEC offering department
- Official course URL (for external courses)
- Registered email/account used on the platform
- Platform enrolment/registration ID, where available
- Date of registration
- Screenshot/PDF/other proof of successful enrolment

10. Deadlines Students Must Monitor

For external courses, the student is responsible for monitoring the provider's deadlines. JGEC may not be able to extend a deadline controlled by an external platform.

- Course enrolment closing date
- Assignment deadlines
- Platform examination/certification registration deadline
- Examination date/time
- Course-completion deadline
- Certificate/result release procedure
- Any separate assessment or certification fee deadline

11. Mandatory Participation - Registration Alone is Not Completion

Successful registration only starts the SEC activity. To complete the SEC, the student must satisfactorily participate in the applicable learning, practical, monitoring and assessment components. Depending on the approved course, this may include online learning, laboratory/workshop activity, assignments, project/artefact development, a proctored or supervised examination, and the final presentation/viva.

12. Three Mandatory Progress Checkpoints

The SEC syllabus requires student progress to be verified at three checkpoints during the semester. Students must provide truthful and verifiable progress records when requested.

Checkpoint I - Registration and Commencement

- approved course and registration verified
- platform/laboratory access
- course/activity commenced
- student aware of major deadlines
- initial participation/progress evidence

Checkpoint II - Mid-Semester Progress

- course completion/progress percentage
- assignment/practical exercise status
- attendance/engagement
- progress of hands-on activity
- progress of skill artefact/project/portfolio
- difficulty requiring corrective action

Checkpoint III - Pre-Final Assessment

- substantial/final course completion
- assignment status
- platform/institutional examination status
- artefact/portfolio readiness
- readiness for final presentation and viva

13. Common Evaluation Scheme - 100 Marks

The syllabus prescribes a common 100-mark sessional/internal assessment framework. The same overall marks distribution is used so that students taking different approved skill routes are evaluated consistently.

Evaluation component	Marks	What the student must provide/do
Registration, progress and participation	20	Approved registration and satisfactory participation at the three progress checkpoints.
Platform / practical assignments	20	Verified platform assignment scores or periodic departmental practical/skill assignments.
Proctored platform examination / supervised skill examination	30	Verified external examination score or department-conducted end-course supervised skill/practical examination.
Skill artefact / portfolio	15	A programme, drawing, circuit, job, prototype, dataset/dashboard, portfolio or other approved evidence of the acquired skill.
Presentation and viva-voce	15	Demonstration/explanation of the acquired skill and its application before the departmental evaluation committee.

14. How External / Online Courses are Evaluated

For an approved external course, platform records are used for the relevant components. If the platform provides percentage scores, the Departmental SEC Coordinator may convert those scores to the corresponding SEC marks using the approved evaluation mechanism. Students must submit verifiable platform records, not self-reported marks.

- Registration/progress: based on timely approved registration and three checkpoints (20 marks).
- Platform assignments: based on verified platform assignment scores (20 marks).
- Proctored/platform examination: based on the verified external assessment result (30 marks). Where the approved platform requires a pass in that examination, passing it is required for the award of SEC credit.
- Skill artefact/portfolio: completed and evaluated at JGEC even if the platform issues a certificate (15 marks).
- Presentation/viva: conducted at JGEC before the departmental evaluation committee (15 marks).

15. How JGEC Department-Offered Courses are Evaluated

Where no external platform examination exists, the department will use an equivalent supervised assessment so that the 20 + 20 + 30 + 15 + 15 framework is preserved.

External-course component	JGEC department-offered equivalent
Registration / platform progress	Registration, attendance and progress
Platform assignments	Practical/laboratory/skill assignments
Proctored platform examination	Supervised end-course practical/skill examination
Skill artefact / portfolio	Artefact/project/completed practical job
Presentation and viva	Presentation and viva before departmental evaluation committee

16. Skill Artefact / Portfolio is Mandatory

The syllabus requires demonstration of the acquired skill through an artefact, portfolio or supervised task. A platform certificate alone does not replace this requirement. The exact artefact will depend on the approved course and the department.

- Computer programme / software
- CAD model or engineering drawing
- Circuit or PCB-related output
- Prototype or fabricated component
- Wiring / measurement / laboratory job
- Survey output or GIS map
- Data-analysis workbook or dashboard
- Website/database/application
- Technical design file or portfolio
- Other Departmental SEC Coordinator-approved practical evidence

17. Final Presentation and Viva-Voce

Every student must appear for the final presentation and viva-voce. The student should be able to clearly explain what was learned, what practical work was completed, how the artefact/project was created, and how the acquired skill relates to the student's engineering discipline or professional development.

- Course and skill undertaken
- Major learning outcomes
- Practical/hands-on activities completed
- Artefact/project development process
- Problems encountered and how they were resolved
- Application of the skill to the parent discipline
- Responses to technical and reflective viva questions

18. Records Every Student Should Preserve

- Registration confirmation
- Course page / approved course details
- Platform progress screenshots
- Assignment scores
- Attendance/practical records, where applicable
- Examination registration proof
- Examination score/result
- Certificate or completion record
- Source files (programming/CAD/design/data files)
- Artefact/project documentation
- Any communication approving a course change/fallback
- Any other evidence requested by the Departmental SEC Coordinator

19. Course Withdrawal, Closure or Platform Failure

If an approved external course is withdrawn, registration closes unexpectedly, eligibility changes, the course becomes inaccessible, or the examination/certification route becomes unavailable, the student must immediately inform the Departmental SEC Coordinator. The student must not independently switch to another course. A designated fallback or another approved option may be assigned after verification of the problem.

20. Course Changes are Not Allowed Without Approval

After registration, a course shall not ordinarily be changed merely because another course appears easier, more convenient, less expensive or more popular. Any course change requires approval from the Departmental SEC Coordinator and must be recorded.

21. Computer and Internet Access

The syllabus provides that students should have access to a computer and the Internet and that College laboratory access should be provided to students who do not have adequate access at home. Students who require such support must inform the Departmental SEC Coordinator early enough for suitable arrangements to be made subject to institutional availability and rules.

22. Academic Integrity

Students must complete their own SEC work. Academic misconduct includes, but is not limited to, impersonation, use of another student's platform account, copied assignments, submission of another person's programme/design/project as one's own, fake screenshots, altered scores, forged certificates, or misrepresentation of course completion. Such cases may be dealt with under applicable College regulations.

23. First-Year Exit and UG Certificate - Important for Students

The adopted first-year curriculum states that students exiting after the prescribed minimum first-year credits may be eligible for a UG Certificate in the relevant discipline/subject provided they also complete the required work-based vocational/internship/apprenticeship credits and the 6 skill-based credits earned during the first and second semesters. Students considering this route should therefore ensure successful completion of both SEC-181 and SEC-282 and consult the Departmental SEC Coordinator regarding discipline-relevant selection.

24. Indicative Department-Wise Skill Areas for JGEC-Offered or Approved Courses

The following examples are illustrative only. The actual course basket may vary each semester and must be obtained from the Departmental SEC Coordinator.

Department	Illustrative skill areas
CE	AutoCAD for Civil Engineering; surveying practice; Total Station basics; GIS fundamentals; building planning and drawing; quantity estimation; construction-material testing.
EE	Electrical wiring and safety; electrical measurements; PLC basics; solar PV basics; electrical CAD; electrical machine practice; instrumentation.
ME	CAD/solid modelling; 3D printing; additive manufacturing; machining; CNC basics; welding; engineering metrology; sensors and data acquisition.
ECE	Arduino/microcontrollers; PCB design and fabrication; sensors and instrumentation; embedded systems; IoT hardware; communication-system practice.
CSE	C/C++/Python programming; web development; data structures programming; Git/GitHub; introductory AI/ML; software tools.
IT	Python/data processing; databases; web technology; cloud fundamentals; cybersecurity; Linux/networking; data analytics.

25. Illustrative External Skill Courses with Direct QR Codes

The following courses are samples for student awareness and committee screening. They are not a permanent approved list. Course availability, fees, prerequisites, credit status and assessment procedures can change. Students must scan/open the course page, then obtain approval from their own Departmental SEC Coordinator before registering or paying.

26. Important Rule for Shorter External Courses

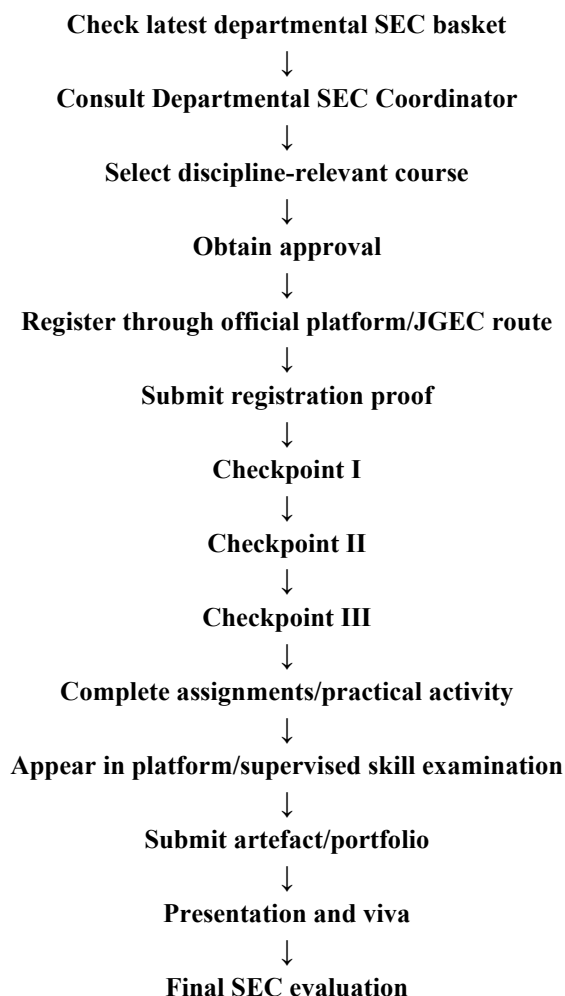
An external course of 20, 30, 40 or 60 hours does not automatically represent the complete SEC-181/SEC-282 activity. Since the JGEC SEC structure is practical/skill oriented (0-0-2, 1 credits/0-0-4, 2 credits), the Departmental SEC Coordinator may prescribe additional supervised practical work, laboratory exercises, a mini-project, artefact/portfolio

development, or other discipline-specific work so that the complete SEC requirements are fulfilled. Students must complete the additional work notified for their approved course (please see succeeding section for details).

27. Quick Registration Checklist

- ☐ I checked the latest SEC basket for my department.
- ☐ My selected course is relevant to my department or has an approved interdisciplinary justification.
- ☐ I discussed the course with my Departmental SEC Coordinator.
- ☐ I received approval before registration/payment.
- ☐ I checked the course duration and eligibility/prerequisites.
- ☐ I checked registration and examination deadlines.
- ☐ I know the course fee and any separate assessment/certification fee.
- ☐ I understand the platform/department assessment procedure.
- ☐ I know what artefact/project/practical work I must submit.
- ☐ I understand the three progress checkpoints.
- ☐ I understand that the final presentation and viva are mandatory.
- ☐ I know that I must preserve verifiable evidence of my work and results.

28. Student Registration and Completion Workflow



29. Student Declaration

I hereby declare that I have selected the SEC course after consultation with the Departmental SEC Coordinator and understand that registration alone does not constitute successful completion of SEC. I shall complete all applicable assignments, practical requirements, assessments, artefact/portfolio and viva requirements, preserve verifiable records, and maintain academic integrity.

Student Name	
Roll No.	
Registration No.	
Department	
SEC	SEC-181 / SEC-282
Approved Course	

Student Signature: _____ Date: _____

Departmental SEC Coordinator Approval/Signature: _____ Date: _____

30. Final Student Advisory

Always use the latest departmental SEC basket and confirm with your Departmental SEC Coordinator before every registration. Do not rely on an old circular, another student's approval, or a course link alone.

SEC ONLINE COURSE BASKET (BUCKET A)

Minimum 20 hours • Online • Certificate • Direct clickable links + QR codes

Priority rule: Category A contains the strongest free-certificate candidates from SWAYAM Plus and FutureSkills Prime. Category B contains SWAYAM/NPTEL cases where the learning is free but certification requires a fee or the fee needs verification. The URL is embedded directly in the table cell as a clickable Word hyperlink; the full URL is also visible.

CATEGORY A — PRIORITY: FREE COURSE + FREE CERTIFICATE

No.	Platform	Course	Discipline	Duration	Fee / Certificate	SEC	Official Course Link	QR
1	SWAYAM Plus	Digital Customer Analytics	Digital & Emerging Technology	30	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/digital-customer-analytics	
2	SWAYAM Plus	Data-Driven Decision Making and Generating Insights	Digital & Emerging Technology	40	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/data-driven-decision-making-and-generating-insights	
3	SWAYAM Plus	Marketing Analytics – Data Tools and Techniques	Digital & Emerging Technology	30	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/marketing-analytics-data-tools-and-techniques	
4	SWAYAM Plus	Analytics for Decision Making	Digital & Emerging Technology	40	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/analytics-for-decision-making	
5	SWAYAM Plus	Leadership and Governance for Rural Development	Social Science	30	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/leadership-and-governance-for-rural-development	
6	SWAYAM Plus	E-Retailing: Mastering Online Retail and Digital Sales	Business / Retail	30	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/e-retailing-mastering-online-retail-and-digital-sales	
7	SWAYAM Plus	Data Journalism: Insights, Analysis, and Storytelling	Media / Communication	50	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/data-journalism-insights-analysis-and-storytelling	
8	SWAYAM Plus	New Media and Digital Technology	Media / Technology	30	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/new-media-and-digital-technology	
9	SWAYAM Plus	Life Skills, Self-Awareness, and Empathy Skills	Soft Skills	40	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/life-skills-self-awareness-and-empathy-skills	
10	SWAYAM Plus	Applied AI: Generative, Creative, and Multimodal Intelligence	AI	30	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/applied-ai-generative-creative-and-multimodal-intelligence	
11	SWAYAM Plus	AI for Educators – K12 Special Drive	AI / Education	40	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/ai-for-educators-k12-special-drive	

No.	Platform	Course	Discipline	Duration	Fee / Certificate	SEC	Official Course Link	QR
12	SWAYAM Plus	Certified Intelligent Data Center – Operations & Maintenance (CIDCOM)	IT / Data Centre	78	FREE	SEC-282	https://swayamplus.education.gov.in/courses/certified-intelligent-data-centre	
13	SWAYAM Plus	Financial Literacy Course for Bharat	Finance	22	FREE	SEC-181	https://swayamplus.education.gov.in/courses/financial-literacy-course-for-bharat	
14	SWAYAM Plus	Cybersecurity for Financial Services	Cybersecurity	30	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/cybersecurity-for-financial-services	
15	SWAYAM Plus	Educational Multimedia for Teachers and Educational Content Creators	Teacher Education	45	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/educational-multimedia-for-teachers-and-educational-content-cre	
16	SWAYAM Plus	Reimagining The English Classroom	Teacher Education	40	FREE	SEC-181 / 282	https://swayamplus.education.gov.in/courses/reimagining-the-english-classroom	
17	SWAYAM Plus	FLN: Learning to Read	Teacher Education	20	FREE	SEC-181	https://swayamplus.education.gov.in/courses/fln-learning-to-read	
18	SWAYAM Plus	Life Skills (Jeevan Kaushal) 2.0 (2 Credits)	Soft Skills / UGC Validated	60	FREE	SEC-282	https://swayamplus.education.gov.in/courses/life-skills-jeevan-kaushal-2-0-2-credits	
19	FutureSkills Prime	Salesforce Developer Catalyst	Software / Cloud	53 h 53 min	FREE	SEC-282	https://futureskillsprime.in/	
20	FutureSkills Prime	Cloud Computing Foundation Course	Cloud Computing	51 h 54 min	FREE	SEC-282	https://futureskillsprime.in/	
21	FutureSkills Prime	Microsoft Azure Security Engineer Associate (AZ-500)	Cybersecurity / Cloud	37 h 20 min	FREE	SEC-181 / 282	https://futureskillsprime.in/	
22	FutureSkills Prime	Salesforce Administrator Explorer	Software / CRM	40	FREE	SEC-282	https://futureskillsprime.in/	

CATEGORY B — LOWER PRIORITY: CERTIFICATE FEE / STATUS REQUIRES VERIFICATION

No.	Platform	Course	Discipline	Duration	Fee / Certificate	SEC	Official Course Link	QR
1	SWAYAM / UGC / CEC / IGNOU / IIMB	Academic Writing & Composition	CEC	15 weeks	Course free; certification exam fee applies	Current July 2026 listing; enrollment deadline 15 Sep 2026	https://swayam.gov.in/search_courses?searchText=Academic%20Writing%20%26%20Composition	
2	SWAYAM / UGC / CEC / IGNOU / IIMB	AI Applications in Academic Research	AI / Research	10 weeks	Course free; certification fee/exam to verify	Current July 2026 listing; enrollment deadline 15 Sep 2026	https://swayam.gov.in/search_courses?searchText=AI%20Applications%20in%20Academic%20Research	
3	SWAYAM / UGC / CEC / IGNOU / IIMB	Advanced Spatial Statistical Techniques	Statistics / GIS	12 weeks	Course free; certification exam fee applies	Current July 2026 listing; enrollment deadline 15 Sep 2026	https://swayam.gov.in/search_courses?searchText=Advanced%20Spatial%20Statistical%20Techniques	
4	SWAYAM / UGC / CEC / IGNOU / IIMB	Numerical Analysis	Mathematics	15 weeks	Course free; certification exam fee applies	Current July 2026 listing; verify live enrollment	https://swayam.gov.in/search_courses?searchText=Numerical%20Analysis	
5	NPTEL	Advanced Engineering Mathematics	Mathematics / Engineering	12 weeks	Learning free; certificate exam ₹1,000	July–Dec 2026 cycle; regular enrollment closed	https://swayam.gov.in/nc_details/NPTEL	
6	NPTEL	Advanced Fluid Mechanics	Fluid Mechanics	12 weeks	Learning free; certificate exam ₹1,000	July–Dec 2026 cycle; regular enrollment closed	https://swayam.gov.in/nc_details/NPTEL	
7	NPTEL	Advanced Heat Conduction	Heat Transfer	12 weeks	Learning free; certificate exam ₹1,000	July–Dec 2026 cycle; regular enrollment closed	https://swayam.gov.in/nc_details/NPTEL	
8	NPTEL	Advanced Partial Differential Equations – Part I	Mathematics	8 weeks	Learning free; certificate exam ₹1,000	July–Dec 2026 cycle; regular enrollment closed	https://swayam.gov.in/nc_details/NPTEL	

Important verification notes

- Click the blue URL in the table to open the official course/platform page. In desktop Word, Ctrl+Click may be required depending on Word settings.
- QR codes point to the same URL shown in the adjacent link column.
- For SWAYAM Plus, the strongest candidates are individual course pages that explicitly state the assessment fee is included/no extra fee and identify the certificate provider.
- For regular SWAYAM/NPTEL, free learning should not be interpreted as a free certificate. The normal NPTEL proctored certificate examination is paid.
- Enrollment windows and course fees can change; verify the live course page immediately before publishing the departmental SEC basket.