



राजा महेन्द्र प्रताप सिंह राज्य विश्वविद्यालय, अलीगढ़

Email:- registrar.rmpu@gmail.com

पत्रांक:-आर0एम0पी0यू0 /2197/2023

दिनांक:-16 अगस्त, 2023

सेवा में,

प्राचार्य/प्राचार्या/प्रबन्धक
समस्त महाविद्यालय,
संबद्ध राजा महेन्द्र प्रताप सिंह राज्य विश्वविद्यालय,
अलीगढ़।

विषय:-भारत सरकार द्वारा विकसित स्वयं (SWAYAM) पोर्टल पर उपलब्ध गुणवत्तापरक पाठ्यक्रमों के सम्बन्ध में।

महोदय/महोदया,

कृपया उपर्युक्त विषयक प्रमुख सचिव, उच्च शिक्षा अनुभाग-3, उ0प्र0 शासन के पत्र संख्या-2059/सत्तर-3-2023 दिनांक 11.08.2023 का सन्दर्भ ग्रहण करने का कष्ट करें।

उपर्युक्त सन्दर्भ में अवगत कराना है कि यू0जी0सी0 द्वारा अधिसूचित 'University Grants Commission (Credit Framework for Online Learning Courses through Study Webs of Active Learning for Young Aspiring Minds) Regulations, 2021 के अनुसार किसी डिग्री पाठ्यक्रम में कुल क्रेडिट का 40 प्रतिशत तक स्वयं (SWAYAM) पाठ्यक्रमों के माध्यम से अर्जित किया जा सकता है। देश के सर्वश्रेष्ठ संस्थानों द्वारा तैयार किये गये उक्त पाठ्यक्रम छात्रों के लिये पूर्ण रूप से निःशुल्क है।

शासन से प्राप्त संलग्न पत्र इस निर्देश के साथ प्रेषित किया जा रहा है कि समस्त महाविद्यालय अपने महाविद्यालय में स्वयं स्थानीय चैप्टर (SWAYAM Local Chapter) का गठन करें जिससे स्वयं पाठ्यक्रमों का सर्वोत्तम उपयोग हो सके।

संलग्नक:-यथोपरि।

भवदीय,
(महेश कुमार)
कुलसचिव

प्रतिलिपि:- निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु:-

1. मा0 कुलपति जी, राजा महेन्द्र प्रताप सिंह राज्य विश्वविद्यालय, अलीगढ़।
2. विशेष सचिव, उच्च शिक्षा अनुभाग-3, उ0प्र0 शासन, लखनऊ।
3. प्रो0 शुभनेश कुमार गोयल, समन्वयक, राष्ट्रीय शिक्षा नीति-2020।
4. क्षेत्रीय उच्च शिक्षा अधिकारी, आगरा/अलीगढ़।
5. सम्पादक, समस्त समाचार पत्र को इस अनुरोध के साथ कि उक्त महत्वपूर्ण सूचना को अपने सम्मानित दैनिक समाचार पत्र में छात्रहित में निःशुल्क प्रकाशित करने का कष्ट करें।
6. प्रभारी वेबसाइट को इस निर्देश के साथ कि समस्त सम्बद्ध महाविद्यालयों के लॉगईन आई0डी0 एवं विश्वविद्यालय वेबसाइट पर अपलोड करें।
7. गार्ड फाईल।

16.8.23
सहा कुलसचिव

प्रेषक,

एम०पी० अग्रवाल,
प्रमुख सचिव,
उ०प्र० शासन।

सेवा में,

1. निदेशक,
उच्च शिक्षा,
उत्तर प्रदेश, प्रयागराज।

2. कुलसचिव,
समस्त राज्य/निजी विश्वविद्यालय,
उत्तर प्रदेश।

उच्च शिक्षा अनुभाग-3

लखनऊ : दिनांक // अगस्त, 2023

विषय: भारत सरकार द्वारा विकसित स्वयं (SWAYAM) पोर्टल पर उपलब्ध गुणवत्तापरक पाठ्यक्रमों के सम्बन्ध में।

महोदय,

उपर्युक्त विषय के सम्बन्ध में अवगत कराना है कि यू०जी०सी० द्वारा अधिसूचित 'University Grants Commission (Credit Framework for Online Learning Courses through Study Webs of Active Learning for Young Aspiring Minds) Regulations, 2021' के अनुसार किसी डिग्री पाठ्यक्रम में कुल क्रेडिट का 40 प्रतिशत तक स्वयं (SWAYAM) पाठ्यक्रमों के माध्यम से अर्जित किया जा सकता है। देश के सर्वश्रेष्ठ संस्थानों द्वारा तैयार किये गये उक्त पाठ्यक्रम छात्रों के लिये पूर्ण रूप से निःशुल्क हैं।

2- स्वयं (SWAYAM) टीम के साथ विस्तृत चर्चा के पश्चात क्रिस्प संस्था द्वारा स्वयं पोर्टल पर उपलब्ध विभिन्न पाठ्यक्रमों में से 287 पाठ्यक्रमों को शार्टलिस्ट किया गया है, जो वर्तमान शैक्षणिक सत्र में प्रथम व द्वितीय सेमेस्टर के छात्रों के लिये ऑफर किये जा रहे हैं।

3- इस सम्बन्ध में क्रिस्प संस्था के पत्र दिनांक 21.07.2023 एवं उसके साथ संलग्न 287 स्वयं पाठ्यक्रमों की सूची संलग्न कर प्रेषित करते हुये मुझे यह कहने का निदेश हुआ है कि कृपया प्रश्नगत प्रकरण में यू०जी०सी० के उक्त रेगुलेशन, 2021 में उल्लिखित प्राविधानों के अनुसार निम्नवत् कार्यवाही कराने का कष्ट करें :-

- (i) यू०जी०सी० रेगुलेशन को स्वीकार करने तथा स्वयं पाठ्यक्रमों के माध्यम से अर्जित क्रेडिट्स के अंकपत्र पर ट्रांसफर की अनुमति देना।
- (ii) शैक्षणिक सत्र 2023-24 में उपलब्ध स्वयं पाठ्यक्रमों के सम्बन्ध में सभी छात्र-छात्राओं को जानकारी देना।
- (iii) स्वयं प्रकोष्ठ से प्रशिक्षण व मार्गदर्शन प्राप्त करने के लिये सभी उच्च शिक्षण संस्थानों में स्वयं स्थानीय चैप्टर (SWAYAM Local Chapters) का गठन करना, जिससे स्वयं (SWAYAM) पाठ्यक्रमों का सर्वोत्तम उपयोग हो सके।

संलग्नक-यथोक्त।

भवदीय


(एम०पी० अग्रवाल)
प्रमुख सचिव।

संख्या एवं दिनांक तदैव

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

- 1- प्रो० बलराज चौहान, स्टेट लीड, किस्प संस्था, लखनऊ।
- 2- अपर सचिव, उ०प्र० राज्य उच्च शिक्षा परिषद, लखनऊ।
- 3- समस्त क्षेत्रीय उच्च शिक्षा अधिकारी, उ०प्र०।
- 4- प्रो० दिनेश चन्द्र शर्मा, कु० मायावती राजकीय महिला स्नातकोत्तर महाविद्यालय, बादलपुर, गौतमबुद्धनगर।

आज्ञा से,


(गिरिजेश कुमार त्यागी)
विशेष सचिव।

11-2059 / सप्तर-3-2023

R. Subrahmanyam IAS
Secretary
Contact: 9971554555



Centre for Research in Schemes
and Policies, New Delhi
Reg No: S/3007/SD/2022

Website:
www.crispindia.net
Email:
admin@crispindia.net

प्रमुख सचिव कार्यालय में
प्राप्त दिनांक, 25/07/2023

संख्या 225 /VIPPSHED/2023

Dated: 21st July 2023

Dear Sri Mahendra,

One of the important parts of the PEHLE-UP project designed by CRISP is to make available high-quality online courses being offered on the SWAYAM platform to all students in HEIs in UP.

After a detailed discussion with the SWAYAM team, we have shortlisted (298) courses which are being offered in the first and second Semester in the current academic year on SWAYAM platform which can be of use to the students in the general education stream. The list is enclosed to this letter.

The UGC has notified the "University Grants Commission (Credit Framework for Online Learning Courses through Study Webs of Active Learning for Young Aspiring Minds) Regulations, 2021 (available on https://www.ugc.gov.in/UGC_Regulations_Stand_alone.aspx) laying down that upto 40% of the total credits in a degree course can be earned through the SWAYAM courses. Since these courses are prepared by the Country's best institutions, and they are **totally free**, our students can benefit enormously by opting for these courses.

In order to make this possible, the Universities should issue an Ordinance adopting the UGC Regulation and allow transfer of credits earned from doing these courses into the marksheet of the student.

I request you to take urgent action for communicating to all universities, and through them to all HEIs in the State:

- To adopt the UGC Regulation and allow transfer of credits earned through SWAYAM courses onto the marksheets
- To intimate to all their students about the list of SWAYAM courses available in the academic year 2023-24
- Constitute SWAYAM Local Chapters in all institutions to receive training and guidance from the SWAYAM cell for making best use of the SWAYAM courses.

वि.सं. (GKD)

उत्तर प्रदेश

Yours sincerely,

(R. Subrahmanyam)

25/07/2023

35/42/15/1/23

J.S.

22

श्री ० पी० अग्रवाल Mahendra Prasad Agarwal IAS
प्रमुख सचिव, Principal Secretary
उच्च शिक्षा विभाग Department of Higher Education
उत्तर प्रदेश शासन Govt of UP

26-7-23
(गिरिजेश कुमार त्यागी)
विशेष सचिव,
उच्च शिक्षा विभाग,
उत्तर प्रदेश शासन।

14-13-3

26/7/23
(ब्रह्म कुमार पाण्डेय)
संयुक्त सचिव
उच्च शिक्षा विभाग
उत्तर प्रदेश शासन।

/npt
/nco
124

S. No.	Course ID	Discipline	Course Name	SME Name	Institute	Co-	Duration	UG/PG	Core/Elec	FDP	Applicabi	Click here to	QID	NPTEL URL
1	noc23-ar08	Architecture and Planning	Urban Utilities Planning : Water Supply, Sanitation And Drainage	Prof. Debapriyam Pandit	IITKGP	IITKGP	12 Weeks	UG/PG	Elective	Yes		https://nptel.ac.in/courses/124/noc23_a105158	https://nptel.ac.in/courses/124/noc21_a105158	https://nptel.ac.in/courses/124/noc22_a105003
2	noc23-ar09	Architecture and Planning	Architectural Conservation And Historic Preservation	Prof. Sanghamitra Basu	IITKGP	IITKGP	8 Weeks	PG	Elective	Yes		https://nptel.ac.in/courses/124/noc23_a105003	https://nptel.ac.in/courses/124/noc22_a105003	https://nptel.ac.in/courses/124/noc22_a105003
3	noc23-ar10	Architecture and Planning	Building Materials And Composites	Sumana Gupta	IITKGP	IITKGP	8 Weeks	UG	Core	No	on Materials	https://nptel.ac.in/courses/124/noc23_a105003	https://nptel.ac.in/courses/124/noc22_a105003	https://nptel.ac.in/courses/124/noc22_a105003
4	noc23-ar11	Architecture and Planning	Architectural Acoustics	Sumana Gupta	IITKGP	IITKGP	8 Weeks	UG	Core	No		https://nptel.ac.in/courses/124/noc23_a105003	https://nptel.ac.in/courses/124/noc22_a105003	https://nptel.ac.in/courses/124/noc22_a105003
5	noc23-ar12	Architecture and Planning	Urban Landuse And Transportation Planning	Debapriyam Pandit	IITKGP	IITKGP	12 Weeks	UG/PG	Core	Yes		https://nptel.ac.in/courses/124/noc23_a105003	https://nptel.ac.in/courses/124/noc22_a105003	https://nptel.ac.in/courses/124/noc22_a105003
6	noc23-ar13	Architecture and Planning	International Studies In Vernacular Architecture	Ram Sateesh Pasupuleti	IITR	IITR	4 Weeks	UG/PG	Elective	Yes		https://nptel.ac.in/courses/124/noc23_a107162	https://nptel.ac.in/courses/124/noc22_a107162	https://nptel.ac.in/courses/124/noc22_a107162
7	noc23-ar14	Architecture and Planning	Modern Indian Architecture	Prof. P. S. Chani	IITR	IITR	8 Weeks	UG	Elective	Yes		https://nptel.ac.in/courses/124/noc23_a107161	https://nptel.ac.in/courses/124/noc22_a107161	https://nptel.ac.in/courses/124/noc22_a107161
8	noc23-ar15	Architecture and Planning	Introduction To Urban Planning	Prof. Harshit Sosan Lakra	IITR	IITR	8 Weeks	UG/PG	Core	Yes		https://nptel.ac.in/courses/124/noc23_a107158	https://nptel.ac.in/courses/124/noc22_a107158	https://nptel.ac.in/courses/124/noc22_a107158
9	noc23-ar16	Architecture and Planning	Sustainable Architecture	Prof. Avokita Agrawal	IITR	IITR	12 weeks	UG	Core	No		https://nptel.ac.in/courses/124/noc23_a107011	https://nptel.ac.in/courses/124/noc22_a107011	https://nptel.ac.in/courses/124/noc22_a107011
10	noc23-ar17	Architecture and Planning	Role Of Craft And Technology In Interior - Architecture	Prof. Smriti Saraswal	IITR	IITR	8 Weeks	UG/PG	Core	Yes		https://nptel.ac.in/courses/124/noc23_a107006	https://nptel.ac.in/courses/124/noc22_a107006	https://nptel.ac.in/courses/124/noc22_a107006
11	noc23-ar18	Architecture and Planning	Housing Policy & Planning	Prof. Utlam Kumar Roy	IITR	IITR	8 Weeks	PG	Core	Yes		https://nptel.ac.in/courses/124/noc23_a107001	https://nptel.ac.in/courses/124/noc22_a107001	https://nptel.ac.in/courses/124/noc22_a107001

12	noc23-12 ar19	Architecture and Planning	Urban governance and Development Management (UGDM)	Prof. Utlam Kumar Roy	IITR	IITR	12 Weeks	PG	Elective	Yes	https://onlinenptel.ac.in/courses/124r19/preview	https://nptel.ac.in/courses/107007
13	noc23-13 ar20	Architecture and Planning	Contemporary Architecture And Design	Prof. Saptarshi Koley	IITR	IITR	8 Weeks	UG/PG	Elective	Yes	https://onlinenptel.ac.in/courses/124r20/preview	https://nptel.ac.in/courses/107005
14	noc23-14 ar21	Architecture and Planning	Principles And Applications Of Building Science	Prof. E. Rajasekar	IITR	IITR	4 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/courses/105r21/preview	https://nptel.ac.in/courses/107156
15	noc23-15 ar22	Architecture and Planning	Visual Communication Design For Digital Media	Prof. Saptarshi Koley	IITR	IITR	4 Weeks	PG	Elective	Yes	https://onlinenptel.ac.in/courses/124r22/preview	https://nptel.ac.in/courses/107002
16	noc23-16 ar24	Architecture and Planning/Design Engineering	Introduction To Interaction Design	Prof. Sonal Atreya	IITR	IITR	4 Weeks	UG/PG	Elective	Yes	https://onlinenptel.ac.in/courses/124r24/preview	https://nptel.ac.in/courses/107164
17	noc23-17 ar25	Architecture and Planning	Understanding And Reducing Ghg Emissions - Focus On Scope 1 And 2 Emission Reduction Through Building Design And Construction	Prof. Avlokita Agrawal	IITR	IITR	8 Weeks	UG/PG	Elective	Yes	https://onlinenptel.ac.in/courses/124r25/preview	https://nptel.ac.in/courses/107165
18	noc23-18 cy34	Chemistry	Nmr Spectroscopy For Structural Biology	Prof. Ashutosh Kumar Prof. R. V Hosur	IITB	IITB	12 Weeks	PG	Elective	Yes	https://onlinenptel.ac.in/courses/104y34/preview	https://nptel.ac.in/courses/101135
19	noc23-19 cy35	Chemistry	Application Of Spectroscopic Methods In Molecular Structure Determination	Prof. S. Sankaranarayanan	IITM	IITM	8 Weeks	UG/PG	Elective	Yes	https://onlinenptel.ac.in/courses/104y35/preview	https://nptel.ac.in/courses/106075

20	noc23- cy36	Chemistry	Introductory Organic Chemistry II	Prof. Neeraja Dashapure Prof. Harinath Chakrapani	IISER Pune	IITM	8 Weeks	UG/PG	Core	Yes	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222
21	noc23- cy37	Chemistry	Chemical Crystallography	Prof. Anshuman Roy Choudhury	IISER Mohali	IITM	12 Weeks	UG/PG	Elective	Yes	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222
22	noc23- cy38	Chemistry	Introduction To Chemical Thermodynamics And Kinetics	Prof. Anjili Kumar De	IISER Mohali	IITM	12 Weeks	UG/PG	Elective	Yes	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222
23	noc23- cy39	Chemistry	Circular Dichroism (CD) And Mossbauer Spectroscopy For Chemists	Prof. Arnab Dutta	IITB	IITB	12 Weeks	PG	Elective	Yes	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222
24	noc23- cy40	Chemistry	Classics In Total Synthesis-I	Prof. Krishna P Kallappaan	IITB	IITB	12 Weeks	PG	Elective	Yes	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222
25	noc23- cy41	Chemistry	Symmetry And Group Theory	Prof. Anindya Dutta Prof. Anindya Dutta Prof. Debabrata Malit Prof. Chidambaram Kulkarni Prof. Arnab Dutta	IITB	IITB	12 Weeks	UG/PG	Core	Yes	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222
26	noc23- cy42	Chemistry	Concepts Of Chemistry For Engineering		IITB	IITB	12 Weeks	UG	Core	No	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222	https://onlinelibrary.wiley.com/doi/10.1002/noc.2222

27	noc23-cy43	Chemistry	Quantum Mechanics And Molecular Spectroscopy	Prof. G Naresh Patwari	IITB	IITB		8 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/course/10411126
28	noc23-cy44	Chemistry	Spectroscopic Techniques For Pharmaceutical And Biopharmaceutical Industries	Prof. Shashank Deep	IITD	IITD		12 Weeks	UG	Elective	Yes	https://onlinenecourses.nptel.ac.in/course/102113
29	noc23-cy45	Chemistry	One And Two Dimensional Nmr Spectroscopy For Chemists	Prof. N. Suryaprakash	IITB	IITB		12 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/course/108124
30	noc23-cy46	Chemistry	Fundamentals Of Statistical Thermodynamics	Prof. Nand Kishore	IITB	IITB	Minor 3 in Chemical	12 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/course/101139
31	noc23-cy47	Chemistry	Principles Of Organic Synthesis	Prof. T Punniamorthy	IITG	IITG		12 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/course/103110
32	noc23-cy48	Chemistry	Reagents in Organic Synthesis	Prof. Subhas Chandra Pan	IITG	IITG		12 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/course/103111
33	noc23-cy49	Chemistry	Advanced Transition Metal Chemistry	Prof. M S Balakrishna	IITB	IITB		12 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/course/101136
34	noc23-cy50	Chemistry	Metal Mediated Synthesis-I	Prof. D. Maili	IITB	IITB		4 Weeks	UG/PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/course/101092
35	noc23-cy51	Chemistry	Metals In Biology	Prof. D. Maili	IITB	IITB		8 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/course/101116

36	noc23- cy52	Chemistry	Transition Metal Organometallic Chemistry: Principles To Applications	Prof. P. Ghosh	IITB	IITB	12 Weeks	UG/PG	Core/Elective	Yes		https://onlinenpt.iitb.ac.in/courses/n/noc23_curses/104y52/preview	https://onlinenpt.iitb.ac.in/courses/n/noc22_curses/104y39/preview	https://onlinenpt.iitb.ac.in/courses/n/noc22_curses/104y30/preview	https://onlinenpt.iitb.ac.in/courses/n/noc23_curses/104y60/preview
37	noc23- cy53	Chemistry	Quantum Chemistry Of Atoms And Molecules	Prof. Anindya Datta	IITB	IITB	12 Weeks	UG	Elective	Yes		https://onlinenpt.iitb.ac.in/courses/n/noc23_curses/104y53/preview	https://onlinenpt.iitb.ac.in/courses/n/noc22_curses/104y41/preview		
38	noc23- cy54	Chemistry	Mechanisms In Organic Chemistry	Prof. Nandita Madhavan	IITB	IITB	8 Weeks	UG/PG	Core	Yes		https://onlinenpt.iitb.ac.in/courses/n/noc23_curses/104y54/preview	https://onlinenpt.iitb.ac.in/courses/n/noc22_curses/104y42/preview	https://onlinenpt.iitb.ac.in/courses/n/noc23_curses/104y55/preview	https://onlinenpt.iitb.ac.in/courses/n/noc22_curses/104y56/preview
39	noc23- cy55	Chemistry	Introduction To Polymer Science	Prof. Dibakar Dhara	IITKGP	IITKGP	8 Weeks	UG/PG	Core	Yes		https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y55/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y53/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y57/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y63/preview
40	noc23- cy56	Chemistry	Fundamentals Of Protein Chemistry	Prof. Swagata Dasgupta	IITKGP	IITKGP	12 Weeks	UG/PG	Core	Yes	Bioscience	https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y56/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y62/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y57/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y63/preview
41	noc23- cy57	Chemistry	Stereochemistry	Prof. Anil Basak	IITKGP	IITKGP	8 Weeks	UG	Core	No		https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y57/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y63/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y57/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y63/preview
42	noc23- cy58	Chemistry	Organic Chemistry In Biology And Drug Development	Prof. Anil Basak	IITKGP	IITKGP	12 Weeks	PG	Elective	Yes		https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y58/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y62/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y58/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y62/preview
43	noc23- cy59	Chemistry	Analytical Chemistry	Prof. Debashis Ray	IITKGP	IITKGP	12 Weeks	UG	Elective	Yes	Materials Characterization	https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y59/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y61/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc23_curses/104y59/preview	https://onlinenpt.iitkgp.ac.in/courses/n/noc22_curses/104y61/preview
44	noc23- cy60	Chemistry and Biochemistry	NMR Spectroscopy For Chemists And Biologists	Prof. Ashutosh Kumar, Prof. R. V Hosur	IITB	IITB	12 Weeks	PG	Elective	Yes		https://onlinenpt.iitb.ac.in/courses/n/noc23_curses/104y60/preview	https://onlinenpt.iitb.ac.in/courses/n/noc19_curses/104y30/preview	https://onlinenpt.iitb.ac.in/courses/n/noc23_curses/104y60/preview	https://onlinenpt.iitb.ac.in/courses/n/noc19_curses/104y30/preview

45	noc23-cy61	Chemistry and Biochemistry	Overview And Integration Of Cellular Metabolism	Prof. Antri Bir & Prof. Arindam Ghosh	IITKGP	IITKGP	12 weeks	UG/PG	Core	Yes		https://onlinenecourses.nptel.ac.in/noc23_cy61/previ	https://nptel.ac.in/courses/104105139
46	noc23-ec01	Economics	Introduction To Microeconomics In Hindi And Without Calculus	Prof. Vimal Kumar	IITK	IITK	12 Weeks	UG/PG	Core	Yes		https://onlinenecourses.nptel.ac.in/noc23_ec01/previ	https://nptel.ac.in/courses/130104115
47	noc23-ec02	Economics	Economics Of Banking And Finance Markets	Prof. Sukumar Veliakkal	IITK	IITK	12 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ec02/previ	https://nptel.ac.in/courses/130104116
48	noc23-ec03	Economics	Economics Of Innovation	Prof. Ruchi Sharma	IIT Indore	IITM	12 Weeks	PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ec03/previ	https://nptel.ac.in/courses/130106117
49	noc23-ec04	Economics	Environmental & Resource Economics	Prof. Sabuj Kumar Mandal	IITM	IITM	12 Weeks	UG/PG	Elective	Yes	Economic	https://onlinenecourses.nptel.ac.in/noc23_ec04/previ	https://nptel.ac.in/courses/130106113
50	noc23-ec05	Economics	Spatial Statistics And Spatial Econometrics	Prof. Gaurav Arora	IITD	IITM	12 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ec05/previ	https://nptel.ac.in/courses/130106115
51	noc23-ec06	Economics	Principles Of Economics	Prof. Sabuj Kumar Mandal	IITM	IITM	12 Weeks	UG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ec06/previ	https://nptel.ac.in/courses/130106118
52	noc23-ge29	Multidisciplinary	Adolescent Health And Well-Being : A Holistic Approach	Prof. Sumana Samanta & Prof. Parmashwar Satpathy	IITKGP	IITKGP	4 weeks	PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ge29/previ	https://nptel.ac.in/courses/127105236

53	noc23-ge30	Multidisciplinary	Similarity And Approximations In Engineering	Prof. Vijay Gupta Prof. Abhilesh Sasidhara Prof. Maya Raman	IITD	IITD	8 Weeks	UG/PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_g630/preview		https://nptel.ac.in/courses/127102236
54	noc23-ge31	Multidisciplinary	Canning Technology, Value Addition Of Seafood (Fish Processing)	Prof. Maya Raman Prof. Jenny Raman	KUFOS Panangad	IITM	8 Weeks	UG/PG	Core	Yes		https://onlinenocourses.nptel.ac.in/noc23_g631/preview		https://nptel.ac.in/courses/127108236
55	noc23-ge32	Multidisciplinary	Food Packaging Technology	Prof. Ann John Prof. Abhyjit Deshpande Prof. R. Ravi Krishna	KUFOS Panangad	IITM	8 Weeks	UG/PG	Core	Yes		https://onlinenocourses.nptel.ac.in/noc23_g632/preview		https://nptel.ac.in/courses/127106237
56	noc23-ge33	Multidisciplinary	Ecology And Environment	Prof. R. Ravi Krishna	IITM	IITM	8 Weeks	UG	Core	No		https://onlinenocourses.nptel.ac.in/noc23_g633/preview	https://nptel.ac.in/courses/127106504	
57	noc23-ge34	Multidisciplinary	Neuroscience Of Human Movements	Prof. Varadhan	IITM	IITM	12 Weeks	UG/PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_g634/preview	https://nptel.ac.in/courses/127106501	
58	noc23-ge35	Multidisciplinary	Numerical Methods For Engineers	Prof. Niket Kaisare	IITM	IITM	12 Weeks	UG	Core	No		https://onlinenocourses.nptel.ac.in/noc23_g635/preview	https://nptel.ac.in/courses/127106019	

59	noc23-ge36	Multidisciplinary	Introduction To Research New title: Research Methodology	Prof. Edamana Prasad Prof. Prathap Haridoss Prof. Shiva Subramaniam Prof. Sivakumar Prof. Srinivasan Prof. Satya Seshadri Prof. Mithalini	IITM	IITM	IITM	8 Weeks	PG	Elective	Yes	Faculty Domain - Fundamental	https://onlinenecourses.nptel.ac.in/noc23_ge36/preview	https://onlinenecourses.nptel.ac.in/noc23_ge05/preview	https://nptel.ac.in/courses/121106007
60	noc23-ge37	Multidisciplinary	Introduction To Biomimicry	Prof. Arun B. Ramteke Prof. Suchela Banerjee Prof. Nandini K. Kumar Prof. Y. K. Gupta Prof. D. K. Sable Prof. Rubina Bose Prof. Vishnu Rao	IITM	IITM	8 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ge37/preview	https://onlinenecourses.nptel.ac.in/noc22_ge24/preview	https://nptel.ac.in/courses/127106231	
61	noc23-ge38	Multidisciplinary	Current Regulatory Requirements For Conducting Clinical Trials In India For Investigational New Drugs/New Drug (Version 3.0)	Prof. Mohan Natrajan Prof. V V Banu Prof. Rekha	CDSA, TH STI, DBT	IITM	8 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ge38/preview	https://onlinenecourses.nptel.ac.in/noc22_ge25/preview	https://nptel.ac.in/courses/127106137	
62	noc23-ge39	Multidisciplinary	Manage TB	Prof. Rekha	NIRT	IITM	8 Weeks	PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ge39/preview	https://onlinenecourses.nptel.ac.in/noc22_ge31/preview	https://nptel.ac.in/courses/127106003	

63	noc23-ge40	Multidisciplinary	Fundamentals Of Artificial Intelligence	Prof. Shyamantam M. Hazarika	IITG	IITG	12 Weeks	PG	Elective	Yes	Robotics	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch112	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch112	https://nptel.ac.in/courses/112/103280
64	noc23-ge41	Multidisciplinary	Solar Energy Engineering And Technology	Prof. Pankaj Kalita	IITG	IITG	12 Weeks	UG/PG	Elective	Yes	Data Science Faculty Domain - Advanced Faculty Domain - Fundamental	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch115	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch115	https://nptel.ac.in/courses/115/103123
65	noc23-ge42	Multidisciplinary	Learning Analytics Tools	Prof. Ranikumar Rajendran	IITB	IITB	12 Weeks	UG/PG	Elective	Yes		https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch106	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch106	https://nptel.ac.in/courses/106/101224
66	noc23-ge43	Multidisciplinary	Designing Learner-Centric E-Learning In Stem Disciplines	Prof. Sahana Murthy	IITB	IITB	4 Weeks	UG/PG	Elective	Yes		https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch127	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch127	https://nptel.ac.in/courses/127/101013
67	noc23-ge44	Multidisciplinary	Bandit Algorithm (Online Machine Learning)	Prof. Manjesh Hanawal	IITB	IITB	12 Weeks	PG	Elective	Yes	Faculty Domain - Advanced Faculty Domain - Fundamental	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch110	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch110	https://nptel.ac.in/courses/110/101145
68	noc23-ge45	Multidisciplinary	Teaching And Learning In General Programs: TALG	Prof. N J Rao	IISc	IISc	4 Weeks	PG	Elective	Yes	Faculty Domain - Advanced Faculty Domain - Fundamental	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch127	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch127	https://nptel.ac.in/courses/127/108015
69	noc23-ge46	Multidisciplinary	Accreditation And Outcome Based Learning	Prof. Ak Ray (Retd.) And Prof. Sk Das Mandal	IITKGP	IITKGP	8 Weeks	UG	Elective	Yes	Faculty Domain - Advanced Faculty Domain - Fundamental	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch127	https://onlinelibrary.wiley.com/doi/10.1002/9781119999999.ch127	https://nptel.ac.in/courses/127/105017

70	noc23- hs100	Humanities and Social Sciences	Economics Of IPR	Prof. Nalin Bhardi	IITP	IITM	4 Weeks	UG/PG	Elective	Yes	Economic s	https://onlinenecourses.nptel.ac.in/noc23_hs100/previous90/	https://nptel.ac.in/courses/109106100
71	noc23- hs101	Humanities and Social Sciences	The Popular Gothic Novel	Prof. Divya A	IITM	IITM	12 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_hs101/previous91/	https://nptel.ac.in/courses/109106177
72	noc23- hs102	Humanities and Social Sciences	Classical Sociological Theory	Prof. R. Santhosh	IITM	IITM	12 Weeks	UG/PG	Core	Yes		https://onlinenecourses.nptel.ac.in/noc23_hs102/previous92/	https://nptel.ac.in/courses/109106180
73	noc23- hs103	Humanities and Social Sciences	Poetry	Prof. S P Dhanavel	IITM	IITM	12 Weeks	UG/PG	Core	Yes		https://onlinenecourses.nptel.ac.in/noc23_hs103/previous93/	https://nptel.ac.in/courses/109106176
74	noc23- hs104	Humanities and Social Sciences	Short Fiction in Indian Literature	Prof. A Divya	IITM	IITM	12 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_hs104/previous94/	https://nptel.ac.in/courses/109106138
75	noc23- hs105	Humanities and Social Sciences	Feminist Writings	Prof. Avishek Parul	IITM	IITM	12 Weeks	UG/PG	Elective	Yes	English Studies	https://onlinenecourses.nptel.ac.in/noc23_hs105/previous100/	https://nptel.ac.in/courses/109106146
76	noc23- hs106	Humanities and Social Sciences	Gender And Literature	Prof. Avishek Parul	IITM	IITM	8 Weeks	UG/PG	Elective	Yes	English Studies	https://onlinenecourses.nptel.ac.in/noc23_hs106/previous101/	https://nptel.ac.in/courses/109103122

77	noc23- hs107	Humanities and Social Sciences	History Of English Language And Literature	Prof. Meh Simi Raj	IITM	IITM	12 Weeks	UG/PG	Core	Yes	English Studies	https://nptel.ac.in/courses/109/s107/previ	https://nptel.ac.in/courses/109/s102/previ	https://nptel.ac.in/courses/109/s106/previ
78	noc23- hs108	Humanities and Social Sciences	Postmodernism In Literature	Prof. Meh Simi Raj	IITM	IITM	8 Weeks	PG	Elective	Yes		https://nptel.ac.in/courses/109/s108/previ	https://nptel.ac.in/courses/109/s103/previ	https://nptel.ac.in/courses/109/s106/previ
79	noc23- hs109	Humanities and Social Sciences	Managing Intellectual Property In Universities	Prof. Feroz Ali	IITM	IITM	4 Weeks	UG	Elective	Yes	Patents and Intellectual Property Rights	https://nptel.ac.in/courses/109/s109/previ	https://nptel.ac.in/courses/109/s104/previ	https://nptel.ac.in/courses/109/s106/previ
80	noc23- hs110	Humanities and Social Sciences	An Introduction To Indian Literary Theory	Prof. Sreenath V.S	IISER Bhopal	IITM	8 Weeks	PG	Elective	Yes		https://nptel.ac.in/courses/109/s110/previ	https://nptel.ac.in/courses/109/s135/previ	https://nptel.ac.in/courses/109/s138/previ
81	noc23- hs111	Humanities and Social Sciences	Literary And Cultural Disability Studies: An Exploration	Prof. Hemach ndran Karah	IITM	IITM	12 Weeks	PG	Elective	Yes		https://nptel.ac.in/courses/109/s111/previ	https://nptel.ac.in/courses/109/s138/previ	https://nptel.ac.in/courses/109/s138/previ
82	noc23- hs112	Humanities and Social Sciences	Fundamental Concepts In Sociolinguistics	Prof. Om Prakash Prof. Rajes h Kumar	Gautam Buddha University	IITM	12 Weeks	UG/PG	Core	Yes		https://nptel.ac.in/courses/109/s112/previ	https://nptel.ac.in/courses/109/s139/previ	https://nptel.ac.in/courses/109/s139/previ
83	noc23- hs113	Humanities and Social Sciences	German - III	Prof. Milind Brahme	IITM	IITM	12 Weeks	UG/PG	Elective	Yes		https://nptel.ac.in/courses/109/s113/previ	https://nptel.ac.in/courses/109/s29/previ	https://nptel.ac.in/courses/109/s29/previ

84	noc23- hs114	Humanities and Social Sciences	Film Appreciation	Prof. Aysha Iqbal	IITM	IITM	8 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/noc23_hn114/previous106086
85	noc23- hs115	Humanities and Social Sciences	Technical English For Engineers	Prof. Aysha Iqbal	IITM	IITM	8 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/noc23_hn115/previous106094
86	noc23- hs116	Humanities and Social Sciences	Developing Soft Skills And Personality	Prof. T Ravichandran	IITK	IITK	8 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/noc23_hn116/previous104107
87	noc23- hs117	Humanities and Social Sciences	Brief Introduction To Psychology	Prof. Braj Bhushan	IITK	IITK	4 Weeks	UG	Core/Elective	Yes	https://onlinenptel.ac.in/noc23_hn117/previous104093
88	noc23- hs118	Humanities and Social Sciences	Psychology Of Everyday	Prof. Braj Bhushan Prof. Alok Bajpai	IITK	IITK	4 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/noc23_hn118/previous104151
89	noc23- hs119	Humanities and Social Sciences	Cognition, Transformation And Lives	Prof. Alok Bajpai	IITK	IITK	4 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/noc23_hn119/previous104121
90	noc23- hs120	Humanities and Social Sciences	Introduction To Japanese Language And Culture	Prof. Vatsala Misra	IITK	IITK	12 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/noc23_hn120/previous104005

91	noc23- hs121	Humanities and Social Sciences	Introduction To Advanced Cognitive Processes	Prof. Ark Verma	IITK	IITK	IITK	8 Weeks	UG/PG	Core/Elective	Yes	Psychology	https://onlinenpt.ac.in/courses/noc23_hs121/previous121/previous121	https://onlinenpt.ac.in/courses/noc23_hs121/previous121/previous121	https://npt.ac.in/courses/109/104126
92	noc23- hs122	Humanities and Social Sciences	Introduction To Basic Cognitive Processes	Prof. Ark Verma	IITK	IITK	IITK	8 Weeks	UG/PG	Core/Elective	Yes	Faculty Domain - Fundamental	https://onlinenpt.ac.in/courses/noc23_hs122/previous122/previous122	https://onlinenpt.ac.in/courses/noc23_hs122/previous122/previous122	https://npt.ac.in/courses/109/104123
93	noc23- hs123	Humanities and Social Sciences	Introduction To Japanese Language And Culture - II	Prof. Vatsala Misra	IITK	IITK	IITK	12 Weeks	UG/PG	Elective	Yes		https://onlinenpt.ac.in/courses/noc23_hs123/previous123/previous123	https://onlinenpt.ac.in/courses/noc23_hs123/previous123/previous123	https://npt.ac.in/courses/109/104195
94	noc23- hs124	Humanities and Social Sciences	Indian Art: Materials, Techniques And Artistic Practices	Prof. Rajanshi Sengupta	IITK	IITK	IITK	12 Weeks	UG	Core	No		https://onlinenpt.ac.in/courses/noc23_hs124/previous124/previous124	https://onlinenpt.ac.in/courses/noc23_hs124/previous124/previous124	https://npt.ac.in/courses/109/104196
95	noc23- hs125	Humanities and Social Sciences	प्रमुख हिंदी कलाकारों और भारतीय संस्कृति	Prof. Shri Prakash Shukla	IIT (BHU) Varanasi	IITK	IITK	4 Weeks	UG	Core	No		https://onlinenpt.ac.in/courses/noc23_hs125/previous125/previous125	https://onlinenpt.ac.in/courses/noc23_hs125/previous125/previous125	https://npt.ac.in/courses/109/104197
96	noc23- hs126	Humanities and Social Sciences	Introduction To Indian Art - An Appreciation	Prof. Soum ik Nandy Majumdar	Visva Bharati University, Santiniket an	IITK	IITK	4 Weeks	UG/PG	Elective	Yes		https://onlinenpt.ac.in/courses/noc23_hs126/previous126/previous126	https://onlinenpt.ac.in/courses/noc23_hs126/previous126/previous126	https://npt.ac.in/courses/109/104102
97	noc23- hs127	Humanities and Social Sciences	Visual Perception And Art: A Survey Across The Cultures	Prof. Soum ik Nandy Majumdar	Visva Bharati University, Santiniket an	IITK	IITK	4 Weeks	UG	Elective	Yes		https://onlinenpt.ac.in/courses/noc23_hs127/previous127/previous127	https://onlinenpt.ac.in/courses/noc23_hs127/previous127/previous127	https://npt.ac.in/courses/109/104122

98	noc23- hs128	Humanities and Social Sciences	Development Research Methods	Prof. Rajshree Bedamatt a	IITG	IITG	8 Weeks	PG	Elective	Yes	Faculty Domain - Advanced	<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s128/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s128/previ ew	<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s127/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s127/previ ew	https://nptel.ac.in/courses/109103153
99	noc23- hs129	Humanities and Social Sciences	The Psychology Of Language	Prof. Naveen Kashyap	IITG	IITG	8 Weeks	UG/PG	Elective	Yes	Psychology	<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s129/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s129/previ ew	<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s123/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s123/previ ew	https://nptel.ac.in/courses/109103152
100	noc23- hs130	Humanities and Social Sciences	Ecology And Society	Prof. Ngamjaha o Kipgen	IITG	IITG	12 Weeks	UG/PG	Elective	Yes		<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s130/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s130/previ ew	https://nptel.ac.in/courses/109103123	
101	noc23- hs131	Humanities and Social Sciences	Science, Technology And Society	Prof. Sambit Mallick	IITG	IITG	12 Weeks	UG/PG	Elective	Yes		<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s131/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s131/previ ew	https://nptel.ac.in/courses/109103121	
102	noc23- hs132	Humanities and Social Sciences	Introduction To Western Political Thought	Prof. Mithlesh Kumar Jha	IITG	IITG	12 Weeks	UG/PG	Elective	Yes		<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s132/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s132/previ ew	https://nptel.ac.in/courses/109103176	
103	noc23- hs133	Humanities and Social Sciences	Environment And Development	Prof. Ngamjaha o Kipgen	IITG	IITG	12 Weeks	UG/PG	Elective	Yes		<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s133/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s133/previ ew	https://nptel.ac.in/courses/109103186	
104	noc23- hs134	Humanities and Social Sciences	Introduction To Market Structures	Prof. Amarjyoti Mahanta	IITG	IITG	12 Weeks	UG/PG	Elective	Yes		<a href="https://onlinenecourses.nptel.ac.in/noc23_h/s134/previ
ew">https://onlinenecourses.nptel.ac.in/noc23_h/s134/previ ew	https://nptel.ac.in/courses/109103187	

105	noc23- hs135	Humanities and Social Sciences	Sociology Of Development	Prof. Sambit Mallick	IITG	IITG	12 Weeks	UG/PG	Elective	Yes	https://onlinenptel.ac.in/courses/noc23_h/135/previ	https://onlinenptel.ac.in/courses/noc23_h/120/previ	https://nptel.ac.in/courses/109/103185
106	noc23- hs136	Humanities and Social Sciences	Mathematics For Economics - I	Prof. Dabarsi Das	IITG	IITG	12 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/courses/noc23_h/136/previ	https://onlinenptel.ac.in/courses/noc23_h/132/previ	https://nptel.ac.in/courses/109/103188
107	noc23- hs137	Humanities and Social Sciences	श्री Sandh In Paninian Grammar	Prof. Malhar Kulkarni	IITB	IITB	12 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/courses/noc23_h/137/previ	https://onlinenptel.ac.in/courses/noc23_h/106/previ	https://nptel.ac.in/courses/109/101195
108	noc23- hs139	Humanities and Social Sciences	Stress Management	Prof. Rajlakshmi Gurha	IITKGP	IITKGP	4 Weeks	UG/PG	Elective	Yes	https://onlinenptel.ac.in/courses/noc23_h/139/previ	https://onlinenptel.ac.in/courses/noc23_h/111/previ	https://nptel.ac.in/courses/109/105009
109	noc23- hs139	Humanities and Social Sciences	Introduction To Basic Spoken Sanskrit And Intermediate Level Of Spoken Sanskrit	Prof. Anuradha Choudry	IITKGP	IITKGP	12 Weeks	UG/PG	Elective	Yes	https://onlinenptel.ac.in/courses/noc23_h/139/previ	https://onlinenptel.ac.in/courses/noc23_h/103/previ	https://nptel.ac.in/courses/109/10910516
110	noc23- hs140	Humanities and Social Sciences	Sociology And Resource Management	Archiata Patnaik Prof. Anrita Sen	IITKGP	IITKGP	4 Weeks	UG	Elective	Yes	https://onlinenptel.ac.in/courses/noc23_h/140/previ	https://onlinenptel.ac.in/courses/noc23_h/107/previ	https://nptel.ac.in/courses/109/105195
111	noc23- hs141	Humanities and Social Sciences	Human Resource Development	Prof. Kbl Srivastava	IITKGP	IITKGP	12 Weeks	PG	Elective	Yes	https://onlinenptel.ac.in/courses/noc23_h/141/previ	https://onlinenptel.ac.in/courses/noc23_h/113/previ	https://nptel.ac.in/courses/109/105121

112	noc23- hs142	Humanities and Social Sciences	Globalization And Culture	Prof. Anjali Gera Roy	IITKGP	IITKGP	IITKGP	8 Weeks	UG/PG	Elective	Yes	https://onli necourses .nptel.ac.i n/noc23_h s142/previ ew	https://onli necourses .nptel.ac.i n/noc22_h s111/previ ew	https://npt el.ac.in/co urses/109 105113
113	noc23- hs143	Humanities and Social Sciences	Educational Leadership	Prof. Atasi Mohanty	IITKGP	IITKGP	IITKGP	8 Weeks + 4 Weeks (New)	PG	Elective	Yes	https://onli necourses .nptel.ac.i n/noc23_h s143/previ ew	https://npt el.ac.in/co urses/109 105122	
114	noc23- hs144	Humanities and Social Sciences	Entrepreneurship And IP Strategy	Prof. Gouri Gargate	IITKGP	IITKGP	IITKGP	8 Weeks	UG/PG	Elective	Yes	https://onli necourses .nptel.ac.i n/noc23_h s144/previ ew	https://npt el.ac.in/co urses/109 105176	
115	noc23- hs145	Humanities and Social Sciences	Soft Skills	Prof. Binod Mishra	IITR	IITR	IITR	12 weeks	UG/PG	Core/Elect ive	Yes	https://onli necourses .nptel.ac.i n/noc23_h s145/previ ew	https://npt el.ac.in/co urses/109 107121	
116	noc23- hs146	Humanities and Social Sciences	Body Language: Key To Professional Success	Prof. Rashmi Gaur	IITR	IITR	IITR	4 Weeks	UG/PG	Elective	Yes	https://onli necourses .nptel.ac.i n/noc23_h s146/previ ew	https://npt el.ac.in/co urses/109 107154	
117	noc23- hs147	Humanities and Social Sciences	Sociology Of Science	Prof. Aninday Jayant Mishra	IITR	IITR	IITR	4 Weeks	PG	Elective	Yes	https://onli necourses .nptel.ac.i n/noc23_h s147/previ ew	https://npt el.ac.in/co urses/109 107131	
118	noc23- hs148	Humanities and Social Sciences	Handling Large-Scale Unit Level Data	Prof. Pratap C. Mohanty	IITR	IITR	IITR	8 Weeks	UG/PG	Elective	Yes	https://onli necourses .nptel.ac.i n/noc23_h s148/previ ew	https://npt el.ac.in/co urses/109 107182	

119	noc23- hs149	Humanities and Social Sciences	International Trade - Theory And Empirics	Prof. Pratap C. Mohanty	IITR	IITR	12 weeks	UG/PG	Core/Elective	Yes		https://onlin necourses .nptel.ac.i n/noc23_h s149/previ ew	https://onli necourses .nptel.ac.i n/noc22_h s98/previ ew	https://npt el.ac.in/co urses/109 107173
120	noc23- hs150	Humanities and Social Sciences	Partition Of India In Print Media And Cinema	Prof. Sarbani Banerjee	IITR	IITR	12 Weeks	UG	Elective	Yes		https://onli necourses .nptel.ac.i n/noc23_h s150/previ ew	https://onli necourses .nptel.ac.i n/noc22_h s136/previ ew	https://npt el.ac.in/co urses/109 107196
121	noc23- hs151	Humanities and Social Sciences	Public Speaking	Prof. Binod Mishra	IITR	IITR	12 Weeks	UG/PG	Elective	Yes		https://onli necourses .nptel.ac.i n/noc23_h s151/previ ew	https://onli necourses - archive.np tel.ac.in/n oc19_h s2 5/previ ew	https://npt el.ac.in/co urses/109 107195
122	noc23- hs152	Humanities and Social Sciences	Perspectives On NeuroLinguistic	Prof. Smita Jha	IITR	IITR	4 Weeks	UG/PG	Core/Elective	Yes		https://onli necourses .nptel.ac.i n/noc23_h s152/previ ew	https://npt el.ac.in/co urses/109 107132	
123	noc23- hs153	Humanities and Social Sciences	Folk And Minor Art In India	Prof. Shatarupa Thakurta Roy	IITK	IITK	8 weeks	PG	Elective	Yes		https://onli necourses .nptel.ac.i n/noc23_h s153/previ ew	https://npt el.ac.in/co urses/109 104106	
124	noc23- hs154	Sociology	Introductory Rural Sociology: Continuity And Change	Prof. Ashish Saxena	University of Alahabad	IITK	8 Weeks	PG	Core	Yes		https://onli necourses .nptel.ac.i n/noc23_h s154/previ ew	https://npt el.ac.in/co urses/109 104203	
125	noc23- hs155	Multidisciplinary	Environmental Science	Prof. Samik Chowdhur y & Prof. Sudha Goel	IITKGP	IITKGP	12 Weeks	UG	Core	No	Environme nt	https://onli necourses .nptel.ac.i n/noc23_h s155/previ ew	https://npt el.ac.in/co urses/109 105203	

126	noc23- hs156	Humanities and Social Sciences	Countering Stage Fright	Prof. Smita Jha	IITR	IITR		IITR	4 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_hs156/previous	https://nptel.ac.in/courses/109107203
127	noc23- hs157	Humanities and Social Sciences	Social History Of Medicine In Colonial India	Prof. John Bosco Lourduramy	IITM	IITM		IITM	8 Weeks	UG/PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_hs157/previous	https://nptel.ac.in/courses/109106203
128	noc23- hs78	Humanities and Social Sciences	Indian Society: Sociological Perspectives	Prof. R. Santhosh	IITM	IITM		IITM	12 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_hs78/previous	https://nptel.ac.in/courses/109106204
129	noc23- hs79	Humanities and Social Sciences	संस्कृत समासा In Pañinian Grammar- II	Prof. Malhar Kulkarni	IITB	IITB		IITB	12 Weeks	UG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_hs79/previous	https://nptel.ac.in/courses/109101203
130	noc23- hs80	Humanities and Social Sciences	Soft Skill Development	Prof. Priyadarsi Patnaik Prof. V. N. Giri Prof. D. Suar	IITKGP	IITKGP		IITKGP	8 Weeks	UG/PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_hs80/previous	https://nptel.ac.in/courses/109105110
131	noc23- hs81	Humanities and Social Sciences	Great Experiments In Psychology	Prof. Rajlakshmi Guha	IITKGP	IITKGP		IITKGP	4 Weeks	PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_hs81/previous	https://nptel.ac.in/courses/109105118
132	noc23- hs82	Humanities and Social Sciences	Advance Course In Social Psychology	Prof. Pooja Garg	IITR	IITR		IITR	12 Weeks	PG	Core/Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_hs82/previous	https://nptel.ac.in/courses/109107204
133	noc23- hs83	Humanities and Social Sciences	Threads Of Visual Exploration: Textiles And Allied Practices	Prof. Rajarshi Sengupta	IITK	IITK		IITK	8 Weeks	UG	Core	No	https://onlinenecourses.nptel.ac.in/noc23_hs83/previous	https://nptel.ac.in/courses/109104204

134	noc23- hs85	Humanities and Social Sciences	Psychology Of Learning	Prof. Alasi Mohanty	IITKGP	IITKGP	12 weeks	UG/PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_hs85/preview		https://nptel.ac.in/courses/109105204
135	noc23- hs87	Humanities and Social Sciences	Introduction To Language And Linguistics	Prof. Dipta Piplal (Mondal) Prof. Bonini Lahiri	IITKGP	IITKGP	12 weeks	UG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_hs87/preview		https://nptel.ac.in/courses/109105205
136	noc23- hs88	Humanities and Social Sciences	Performative Gender And Religions In South Asia	Prof. Sarbanil Banerjee	IITR	IITR	12 Weeks	UG/PG	Core/Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_hs88/preview		https://nptel.ac.in/courses/109107205
137	noc23- hs89	Humanities and Social Sciences	Moral Thinking: An Introduction To Values And Ethics	Prof. Vineet Sahu	IITK	IITK	4 Weeks	UG	Core	No		https://onlinenocourses.nptel.ac.in/noc23_hs89/preview		https://nptel.ac.in/courses/109104206
138	noc23- hs90	Humanities and Social Sciences	Consumer Psychology	Prof. Naveen Kashyap	IITG	IITG	8 Weeks	UG	Elective	Yes	Psychology	https://onlinenocourses.nptel.ac.in/noc23_hs90/preview		https://nptel.ac.in/courses/109103136
139	noc23- hs91	Humanities and Social Sciences	Text, Textuality And Digital Media	Prof. Ajun Gosh	IITD	IITD	12 Weeks	UG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_hs91/preview		https://nptel.ac.in/courses/109102156
140	noc23- hs92	Humanities and Social Sciences	Water, Society And Sustainability	Prof. Jenita Mukherjee	IITKGP	IITKGP	4 Weeks	PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_hs92/preview		https://nptel.ac.in/courses/109105136
141	noc23- hs93	Humanities and Social Sciences	Health Research Fundamentals	Prof. P. Manickam	NIE	IITM	8 Weeks	UG	Elective	Yes	Psychology	https://onlinenocourses.nptel.ac.in/noc23_hs93/preview		https://nptel.ac.in/courses/109106095

149	noc23- lw02	Law	Right To Information And Good Governance	Prof. Sairam Bhat	National Law School of India University	IITM	12 Weeks	UG/PG	Elective	Yes		https://npt.nptel.ac.in/courses/noc23_lw02/prev	https://npt.nptel.ac.in/courses/noc22_lw01/prev	https://npt.el.ac.in/courses/129	106001
150	noc23- lw03	Law	Constitution Of India And Environmental Governance: Adjudicatory Process	Prof. Sairam Bhat Prof. M. K. Ramnesh	National Law School of India University	IITM	12 Weeks	UG/PG	Core	Yes		https://npt.nptel.ac.in/courses/noc23_lw03/prev	https://npt.nptel.ac.in/courses/noc22_lw02/prev	https://npt.el.ac.in/courses/129	106002
151	noc23- lw04	Law	Introduction To Law On Electricity	Prof. Uday Shankar	IITKGP	IITKGP	8 Weeks	UG/PG	Elective	Yes		https://npt.nptel.ac.in/courses/noc23_lw04/prev	https://npt.nptel.ac.in/courses/noc22_lw03/prev	https://npt.el.ac.in/courses/129	105004
152	noc23- lw05	Law	New Labour Codes Of India	Prof. Raju Kd	IITKGP	IITKGP	12 Weeks	PG	Core	Yes		https://npt.nptel.ac.in/courses/noc23_lw05/prev	https://npt.nptel.ac.in/courses/noc22_lw05/prev	https://npt.el.ac.in/courses/129	105006
153	noc23- lw06	Law	Biodiversity Protection - Farmers And Breeders Rights	Prof. Padmayati & Prof. Narendran Thiruthy	IITKGP	IITKGP	8 weeks	UG/PG	Core	Yes		https://npt.nptel.ac.in/courses/noc23_lw06/prev		https://npt.el.ac.in/courses/129	105008
154	noc23- lw07	Law/ Public Policy/ Social Science	Conflict Management Through Mediation	Prof. Ashok R. Pail	National Law School of India University	IITM	8 Weeks	UG/PG	Core/Elect	Yes		https://npt.nptel.ac.in/courses/noc23_lw07/prev	https://npt.nptel.ac.in/courses/noc22_lw04/prev	https://npt.el.ac.in/courses/129	106008
155	noc23- ma49	Mathematics	Introduction To Abstract Group Theory	Prof. Krishna Hanumanth hu	CMI	IITM	8 Weeks	UG/PG	Core	Yes	Algebra Foundatio ns of mathemati cs	https://npt.nptel.ac.in/courses/noc23_ma49/prev	https://npt.nptel.ac.in/courses/noc22_ma54/prev	https://npt.el.ac.in/courses/111	106113
156	noc23- ma50	Mathematics	Regression Analysis	Prof. Soumen Maity	IISER Pune	IITM	12 Weeks	UG/PG	Elective	Yes		https://npt.nptel.ac.in/courses/noc23_ma50/prev	https://npt.nptel.ac.in/courses/noc22_ma55/prev	https://npt.el.ac.in/courses/111	105042

157	noc23- ma51	Mathematics	Complex Analysis	Prof. Pranav Haridas	Kerala School of Mathematics	IITM	12 Weeks	UG/PG	Core	Yes	Foundations of mathematics	https://nptel.ac.in/noc23_ma51/prevlew	https://nptel.ac.in/noc23_ma57/prevlew	https://nptel.ac.in/courses/111106141
158	noc23- ma52	Mathematics	Computational Commutative Algebra	Prof. Manoj Kummini	CMI	IITM	12 Weeks	UG/PG	Elective	Yes	Algebra	https://nptel.ac.in/noc23_ma52/prevlew	https://nptel.ac.in/noc23_ma58/prevlew	https://nptel.ac.in/courses/111106138
159	noc23- ma53	Mathematics	Algebra - I	Prof. S. Viswanath Prof. Amrithashu Prasad	IMSc	IITM	12 Weeks	PG	Core	Yes		https://nptel.ac.in/noc23_ma53/prevlew	https://nptel.ac.in/noc23_ma59/prevlew	https://nptel.ac.in/courses/111106137
160	noc23- ma54	Mathematics	Laplace Transform	Prof. Indrava Roy	IMSc	IITM	4 Weeks	UG	Elective	Yes		https://nptel.ac.in/noc23_ma54/prevlew	https://nptel.ac.in/noc23_ma62/prevlew	https://nptel.ac.in/courses/111106139
161	noc23- ma55	Mathematics	Measure And Integration	Prof S. Kesavan	IMSc	IITM	12 Weeks	PG	Core	Yes		https://nptel.ac.in/noc23_ma55/prevlew	https://nptel.ac.in/noc23_ma64/prevlew	https://nptel.ac.in/courses/111106161
162	noc23- ma56	Mathematics	Mathematical Methods In Physics 2	Prof. Auditya Sharma	IISER Bhopal	IITM	8 Weeks	UG	Core	No		https://nptel.ac.in/noc23_ma56/prevlew	https://nptel.ac.in/noc23_ma65/prevlew	https://nptel.ac.in/courses/111106152
163	noc23- ma57	Mathematics	Sobolev Spaces And Partial Differential Equations	Prof. Kesavan	IMSc	IITM	12 Weeks	PG	Elective	Yes		https://nptel.ac.in/noc23_ma57/prevlew	https://nptel.ac.in/noc23_ma66/prevlew	https://nptel.ac.in/courses/111106154

164	noc23- ma58	Mathematics	Combinatorics	Prof. Narayana n N	IITM	IITM	12 Weeks	UG	Elective	Yes	Algebra	https://onlinptel.ac.in/noc23_ma58/prev	https://onlinptel.ac.in/noc22_ma87/prev	https://nptel.ac.in/courses/111106155
165	noc23- ma59	Mathematics	Geometry Of Vision	Prof. Vijay Ravikuma r	CMI	IITM	4 Weeks	UG	Elective	Yes		https://onlinptel.ac.in/noc23_ma59/prev	https://onlinptel.ac.in/noc22_ma68/prev	https://nptel.ac.in/courses/111106156
166	noc23- ma60	Mathematics	Approximate Reasoning Using Fuzzy Set Theory	Prof. Balasubra maniam Jayaram	IIT Hyderabad	IITM	12 Weeks	PG	Elective	Yes		https://onlinptel.ac.in/noc23_ma60/prev	https://onlinptel.ac.in/noc22_ma71/prev	https://nptel.ac.in/courses/111106162
167	noc23- ma61	Mathematics	Differential Equations For Engineers	Prof. Srinivasa Rao Manam	IITM	IITM	12 Weeks	UG	Core	No		https://onlinptel.ac.in/noc23_ma61/prev	https://onlinptel.ac.in/noc22_ma72/prev	https://nptel.ac.in/courses/111106100
168	noc23- ma62	Mathematics	Probability – II With Examples Using R	Prof Siva Ahreya	ISI Bangalore	IITM	12 Weeks	UG	Core	No		https://onlinptel.ac.in/noc23_ma62/prev	https://onlinptel.ac.in/noc22_ma83/prev	https://nptel.ac.in/courses/111106163
169	noc23- ma63	Mathematics	Introduction To Algebraic Geometry	Prof. Anjil Dey	IITM	IITM	12 Weeks	PG	Elective	Yes		https://onlinptel.ac.in/noc23_ma63/prev		https://nptel.ac.in/courses/111106168
170	noc23- ma64	Mathematics	Calculus Of One Real Variable	Prof. Joydeep Dutta	IITK	IITK	8 Weeks	UG	Core	No		https://onlinptel.ac.in/noc23_ma64/prev	https://onlinptel.ac.in/noc22_ma49/prev	https://nptel.ac.in/courses/109104124

171	noc23- ma65	Mathematics	Calculus Of Several Real Variables	Prof. Joydeep Dutta	IITK	IITK	8 Weeks	UG	Core	No	https://onlinenecourses.nptel.ac.in/noc23ma65/preview	https://nptel.ac.in/courses/111104125
172	noc23- ma66	Mathematics	Point Set Topology	Prof. Ronnie Sebastian	IITB	IITB	8 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23ma66/preview	https://nptel.ac.in/courses/111101188
173	noc23- ma67	Mathematics	An Introduction To Point-Set-Topology Part-II	Prof. Anant R Shastri	IITB	IITB	12 Weeks	UG/PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23ma67/preview	https://nptel.ac.in/courses/111101160
174	noc23- ma68	Mathematics	Measure Theory	Prof. Inder Kumar Rana	IITB	IITB	12 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23ma68/preview	https://nptel.ac.in/courses/111101100
175	noc23- ma69	Mathematics	Calculus For Economics, Commerce And Management	Prof. I.K.Rana	IITB	IITB	8 Weeks	UG	Core	No	https://onlinenecourses.nptel.ac.in/noc23ma69/preview	https://nptel.ac.in/courses/111101109
176	noc23- ma70	Mathematics	Galois Theory	Prof. Dilip Patil	IITB	IITB	12 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23ma70/preview	https://nptel.ac.in/courses/111101117
177	noc23- ma71	Mathematics	Partial Differential Equations	Prof. Sivaji Ganesh	IITB	IITB	12 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23ma71/preview	https://nptel.ac.in/courses/111101153

178	noc23- ma72	Mathematics	A Basic Course In Number Theory	Prof. Shripad Garge	IITB	IITB	12 Weeks	PG	Elective	Yes		https://npt.nptel.ac.in/noc23_ma72/prevlew	https://npt.nptel.ac.in/noc20_ma39/prevlew	https://npt.el.ac.in/courses/11101137
179	noc23- ma73	Mathematics	Introduction To Fuzzy Set Theory, Arithmetic And Logic	Prof. Niladri Chatterjee	IITD	IITD	12 Weeks	UG/PG	Elective	Yes		https://npt.nptel.ac.in/noc23_ma73/prevlew	https://npt.nptel.ac.in/noc22_ma47/prevlew	https://npt.el.ac.in/courses/11102130
180	noc23- ma74	Mathematics	Introduction To Methods Of Applied Mathematics	Prof. Mani Mehra Prof. Vivek Kumar Aggarwal	IITD	IITD	12 Weeks	UG/PG	Elective	Yes		https://npt.nptel.ac.in/noc23_ma74/prevlew	https://npt.nptel.ac.in/noc22_ma52/prevlew	https://npt.el.ac.in/courses/11102133
181	noc23- ma75	Mathematics	Introduction To Probability Theory And Stochastic Processes	Prof. S Dharmaraj	IITD	IITD	12 Weeks	UG	Core	No	Economics and Finance	https://npt.nptel.ac.in/noc23_ma75/prevlew	https://npt.nptel.ac.in/noc22_ma56/prevlew	https://npt.el.ac.in/courses/11102111
182	noc23- ma76	Mathematics	Non-Parametric Statistical Inference	Prof. Niladri Chatterjee	IITD	IITD	4 Weeks	UG	Core/Elective	Yes		https://npt.nptel.ac.in/noc23_ma76/prevlew	https://npt.nptel.ac.in/noc22_ma60/prevlew	https://npt.el.ac.in/courses/11102143
183	noc23- ma77	Mathematics	Introduction To Probability Theory And Statistics	Prof. S Dharmaraj	IITD	IITD	12 Weeks	UG/PG	Core	Yes		https://npt.nptel.ac.in/noc23_ma77/prevlew	https://npt.nptel.ac.in/noc22_ma81/prevlew	https://npt.el.ac.in/courses/11102160
184	noc23- ma78	Mathematics	Matrix Computation And Its Applications	Prof. Mani Mehra Prof. Vivek Kumar Aggarwal	IITD	IITD	12 Weeks	UG/PG	Core	Yes		https://npt.nptel.ac.in/noc23_ma78/prevlew	https://npt.nptel.ac.in/noc22_ma82/prevlew	https://npt.el.ac.in/courses/11102152

185	noc23- ma79	Mathematics	Advanced Partial Differential Equations – (Part I: Distributions and Sobolev Spaces)	Prof. A K Nandakumar Prof. P.S. Dattl	IISc	IISc	8 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_ma79/previaw	https://nptel.ac.in/courses/111108168
186	noc23- ma80	Mathematics	Linear Algebra	Prof. Dilip P. Patil	IISc Bangalore	IISc	12 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_ma80/previaw	https://nptel.ac.in/courses/111108098
187	noc23- ma81	Mathematics	First Course On Partial Differential Equations - II	Prof Ak Nandakumar Prof P S Dattl	IISc	IISc	8 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_ma81/previaw	https://nptel.ac.in/courses/111108152
188	noc23- ma83	Mathematics	Probability And Statistics	Prof. Somesh Kumar Prof. Mousumi Mandal	IITKGP	IITKGP	12 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_ma83/previaw	https://nptel.ac.in/courses/111105090
189	noc23- ma84	Mathematics	Rings And Modules	Prof. P D Srivastava Prof. Jitendra Kumar & Prof. Somesh Kumar	IITKGP	IITKGP	12 Weeks	UG/PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_ma84/previaw	https://nptel.ac.in/courses/111105161
190	noc23- ma85	Mathematics	Introductory Course In Real Analysis	Prof. P D Srivastava Prof. Jitendra Kumar & Prof. Somesh Kumar	IITKGP	IITKGP	12 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_ma85/previaw	https://nptel.ac.in/courses/111105098
191	noc23- ma86	Mathematics	Advanced Calculus For Engineers	Prof. Somesh Kumar	IITKGP	IITKGP	12 Weeks	UG	Core	No	https://onlinenecourses.nptel.ac.in/noc23_ma86/previaw	https://nptel.ac.in/courses/111105160

192	noc23- ma87	Mathematics	Introduction To Abstract And Linear Algebra	Prof. Sourav Mukhopadhyay	IITKGP	IITKGP	IITKGP	8 Weeks	PG	Core	Yes	https://npt.nptel.ac.in/courses/111105112	https://npt.nptel.ac.in/courses/111105112	https://nptel.ac.in/courses/111105112
193	noc23- ma88	Mathematics	Engineering Mathematics - I	Prof. Jitendra Kumar	IITKGP	IITKGP	IITKGP	12 Weeks	UG	Core	No	https://npt.nptel.ac.in/courses/111105121	https://npt.nptel.ac.in/courses/111105121	https://nptel.ac.in/courses/111105121
194	noc23- ma89	Mathematics	Mathematical Methods And Its Applications	Prof. P.N. Agarwal Prof. S. K. Gupta	IITR	IITR	IITR	12 Weeks	UG/PG	Elective	Yes	https://npt.nptel.ac.in/courses/111107098	https://npt.nptel.ac.in/courses/111107098	https://nptel.ac.in/courses/111107098
195	noc23- ma90	Mathematics	Advanced Engineering Mathematics	Prof. P.N. Agarwal	IITR	IITR	IITR	12 Weeks	UG	Core	No	https://npt.nptel.ac.in/courses/111107119	https://npt.nptel.ac.in/courses/111107119	https://nptel.ac.in/courses/111107119
196	noc23- ma91	Mathematics	Matrix Analysis With Applications	Prof. S.K. Gupta Prof. Sanjeev Kumar	IITR	IITR	IITR	8 Weeks	UG/PG	Core	Yes	https://npt.nptel.ac.in/courses/111107112	https://npt.nptel.ac.in/courses/111107112	https://nptel.ac.in/courses/111107112
197	noc23- ma92	Mathematics	Operations Research	Prof. Kusumdeep	IITR	IITR	IITR	8 Weeks	UG	Core	No	https://npt.nptel.ac.in/courses/111107128	https://npt.nptel.ac.in/courses/111107128	https://nptel.ac.in/courses/111107128
198	noc23- ma93	Mathematics	Essential Mathematics For Machine Learning	Prof. S. K. Gupta & Prof. Sanjeev Kumar	IITR	IITR	IITR	12 Weeks	UG/PG	Elective	Yes	https://npt.nptel.ac.in/courses/111107137	https://npt.nptel.ac.in/courses/111107137	https://nptel.ac.in/courses/111107137

201	noc23-199/ma94	Mathematics	Numerical Methods	Prof. Aneeya Kumar Nayak & Prof. Sanjeev Kumar	IITR	IITR	8 Weeks	UG	Core	No	Computational Thermo Fluids	https://onlinenecourses.nptel.ac.in/noc23_ma94/preview	https://onlinenecourses.nptel.ac.in/noc23_ma94/preview	https://nptel.ac.in/courses/111107105
200	noc23-200/ma95	Mathematics	Measure Theoretic Probability 2	Prof. Suprio Bhar	IITK	IITK	8 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ma95/preview	https://onlinenecourses.nptel.ac.in/noc23_ma95/preview	https://nptel.ac.in/courses/111104168
201	noc23-201/ma96	Mathematics	Foundations Of R Software	Prof. Shalabh	IITK	IITK	12 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ma96/preview	https://onlinenecourses.nptel.ac.in/noc23_ma96/preview	https://nptel.ac.in/courses/111104160
202	noc23-202/ma97	Mathematics	Foundations Of R Software (In Hindi)	Prof. Shalabh	IITK	IITK	12 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_ma97/preview	https://onlinenecourses.nptel.ac.in/noc23_ma97/preview	https://nptel.ac.in/courses/111104161
203	noc23-203/ma99	Applied Mathematics	Essentials Of Topology	Prof. S. P. Tiwari	IIT-ISM Dhanbad	IITKGP	12 weeks	UG	Core	No		https://onlinenecourses.nptel.ac.in/noc23_ma99/preview	https://onlinenecourses.nptel.ac.in/noc23_ma99/preview	https://nptel.ac.in/courses/111105169
204	noc23-mg100	Management	Retail Marketing Strategy	Prof. Sourabh Arora	IITR	IITR	8 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/mg100/preview	https://onlinenecourses.nptel.ac.in/mg100/preview	https://nptel.ac.in/courses/110107167
205	noc23-mg101	Management	Management Accounting	Prof. Anil K. Sharma	IITR	IITR	12 Weeks	UG/PG	Core	Yes		https://onlinenecourses.nptel.ac.in/mg101/preview	https://onlinenecourses.nptel.ac.in/mg101/preview	https://nptel.ac.in/courses/110107127

206	noc23- mg102	Management	Working Capital Management	Prof. Anil K. Sharma	IITR	IITR	12 Weeks	UG/PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_mg102/prevview	https://onlinenocourses.nptel.ac.in/noc22_mg66/prevview	https://nptel.ac.in/courses/110107093
207	noc23- mg103	Management	Business Analytics & Data Mining Modeling Using R Part II	Prof. Gaurav Dixit	IITR	IITR	4 Weeks	UG/PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_mg103/prevview	https://onlinenocourses.nptel.ac.in/noc22_mg67/prevview	https://nptel.ac.in/courses/110107095
208	noc23- mg104	Management	Business Analytics & Text Mining Modeling Using Python	Prof. Gaurav Dixit	IITR	IITR	8 Weeks	UG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_mg104/prevview	https://onlinenocourses.nptel.ac.in/noc22_mg68/prevview	https://nptel.ac.in/courses/110107129
209	noc23- mg105	Management	Toyota Production System	Prof. Rajat Agrawal	IITR	IITR	8 Weeks	UG/PG	Elective	Yes	Operations	https://onlinenocourses.nptel.ac.in/noc23_mg105/prevview	https://onlinenocourses.nptel.ac.in/noc22_mg69/prevview	https://nptel.ac.in/courses/110107130
210	noc23- mg106	Management	Marketing Research And Analysis	Prof. J.K. Nayak	IITR	IITR	8 Weeks	UG/PG	Core/Elective	Yes	Marketing	https://onlinenocourses.nptel.ac.in/noc23_mg106/prevview	https://onlinenocourses.nptel.ac.in/noc21_mg67/prevview	https://nptel.ac.in/courses/110107080
211	noc23- mg107	Management	Project Management For Managers	Prof. Mukesh Kumar Barua	IITR	IITR	12 weeks	UG	Elective	Yes	Operations	https://onlinenocourses.nptel.ac.in/noc23_mg107/prevview	https://onlinenocourses.nptel.ac.in/noc22_mg71/prevview	https://nptel.ac.in/courses/110107081
212	noc23- mg108	Management	Training Of Trainers	Prof. Santosh Rangnekar	IITR	IITR	12 Weeks	UG/PG	Elective	Yes	Faculty - Advanced	https://onlinenocourses.nptel.ac.in/noc23_mg108/prevview	https://onlinenocourses.nptel.ac.in/noc22_mg61/prevview	https://nptel.ac.in/courses/110107126

213	noc23- mg109	Management	Manufacturing Strategy	Prof. Rajat Agrawal	IITR	IITR	8 Weeks	UG/PG	Elective	Yes	Operations	https://onlinenptel.ac.in/noc23_mg109/preview	https://onlinenptel.ac.in/noc21_mg68/preview	https://nptel.ac.in/courses/110107116
214	noc23- mg110	Management	Product And Brand Management	Prof. Vinay Sharma	IITR	IITR	12 weeks	UG/PG	Elective	Yes		https://onlinenptel.ac.in/noc23_mg110/preview	https://nptel.ac.in/courses/110107161	
215	noc23- mg111	Management	Quantitative Investment Management	Prof. J. P. Singh	IITR	IITR	12 weeks	UG/PG	Elective	Yes		https://onlinenptel.ac.in/noc23_mg111/preview	https://nptel.ac.in/courses/110107162	
216	noc23- mg112	Management	Security Analysis & Portfolio Management	Prof. J. P. Singh Prof. Sourabh Arora Prof. Kalpak Kulkarni	IITR	IITR	12 weeks	UG/PG	Elective	Yes		https://onlinenptel.ac.in/noc23_mg112/preview	https://nptel.ac.in/courses/110107154	
217	noc23- mg113	Management	Strategic Sales Management	Prof. Sujata Kar	IITR	IITR	8 Weeks	UG/PG	Elective	Yes		https://onlinenptel.ac.in/noc23_mg113/preview	https://nptel.ac.in/courses/110107163	
218	noc23- mg114	Management	Econometric Modelling	Prof. Sujata Kar	IITR	IITR	8 Weeks	PG	Elective	Yes		https://onlinenptel.ac.in/noc23_mg114/preview	https://nptel.ac.in/courses/110107153	
219	noc23- mg115	Management	Services Marketing : Integrating People, Technology, Strategy.	Prof. Zillur Rahman	IITP	IITR	8 Weeks	PG	Elective	Yes		https://onlinenptel.ac.in/noc23_mg115/preview	https://nptel.ac.in/courses/110107142	

220	noc23- mg116	Management	Innovation, Business Models And Entrepreneurship	Prof. Rajat Agrawal Prof. Vinay Sharma	IITR	IITR	8 Weeks	UG/PG	Elective	Yes	Patents and Intellectua l Property Rights	https://onli necourses .nptel.ac.i n/noc23_ mg116/pre view	https://onli necourses .nptel.ac.i n/noc22_ mg73/pre view	https://npt el.ac.in/co urses/10 107094
221	noc23- mg117	Management	Brand Management	Prof. Abhishhek Kumar Prof. Deepu Phillip / Prof. Amandee p Singh Oberoi / Prof. Prabal Pratap Singh	IITK	IITK	8 Weeks	PG	Elective	Yes		https://onli necourses .nptel.ac.i n/noc23_ mg117/pre view		https://npt el.ac.in/co urses/10 104167
222	noc23- mg118	Management	Advanced Business Decision Support Systems		IITK	IITK	12 Weeks	UG/PG	elective	Yes		https://onli necourses .nptel.ac.i n/noc23_ mg118/pre view		https://npt el.ac.in/co urses/10 104168
223	noc23- mg119	Management	Advanced Algorithmic Trading And Portfolio Management	Prof. Abhinava Tripathi	IITK	IITK	8 Weeks	UG/PG	Elective	Yes		https://onli necourses .nptel.ac.i n/noc23_ mg119/pre view		https://npt el.ac.in/co urses/10 104169
224	noc23- mg120	Management	Business To Business Marketing (B2B)	Prof. Jogendra Nayak	IITR	IITR	12 Weeks	UG/PG	Elective	Yes		https://onli necourses .nptel.ac.i n/noc23_ mg120/pre view		https://npt el.ac.in/co urses/10 107168
225	noc23- mg121	Management	Designing Work Organization	Prof. Santosh Rangneka	IITR	IITR	12 Weeks	UG/PG	Elective	Yes		https://onli necourses .nptel.ac.i n/noc23_ mg121/pre view		https://npt el.ac.in/co urses/10 107169

226	noc23-mg122	Management	Introduction To Marketing Essentials	Prof. Zillur Rahman	IITR	IITR	8 Weeks + 4 Weeks (New)	PG	Elective	Yes	Marketing	https://onlinenecourses.nptel.ac.in/noc23_mg122/preview	https://onlinenecourses.nptel.ac.in/noc23_mg109/preview	https://nptel.ac.in/courses/110107147
227	noc23-mg123	Management	Working In Contemporary Teams	Prof. M. P Ganesh Prof. Chiranjit Dey	IITH VIT Chennai	IITM	4 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg123/preview	https://nptel.ac.in/courses/110106167	
228	noc23-mg124	Management	Project Management : Planning, Execution, Evaluation And Control	Prof. Sanjib Chowdhury	IITKGP	IITKGP	8 weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg124/preview	https://nptel.ac.in/courses/110105167	
229	noc23-mg125	Management	Yoga And Positive Psychology For Managing Career And Life	Prof. Ashish Pandey	IITB	IITB	8 Weeks	UG/PG	Elective	Yes	Psychology	https://onlinenecourses.nptel.ac.in/noc23_mg125/preview	https://nptel.ac.in/courses/110101165	
230	noc23-mg126	Management & Entrepreneurship	Business Fundamentals For Entrepreneurs (Part I: Internal Opertion)	Prof. Devdip Purkayastha Prof. Pradip Kumar Ray Prof. Virendra Kumar Tewari	IITB	IITB	4 Weeks	UG/PG	Core/elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg126/preview	https://nptel.ac.in/courses/110101167	
231	noc23-mg66	Management	Human Factors Engineering		IITKGP	IITKGP	12 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg66/preview	https://nptel.ac.in/courses/110105162	
232	noc23-mg67	Management	Gender Justice And Workplace Security	Prof. Dipa Dube	IITKGP	IITKGP	4 Weeks	UG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg67/preview	https://nptel.ac.in/courses/110105080	

233	noc23- mg68	Management	Intellectual Property Rights And Competition Law	Prof. K. D. Raju Prof. Niharika Sahoo Bhattacha rya	IITKGP	IITKGP	8 Weeks	UG/PG	Elective	Yes	Patents and Intellectua l Property Rights	https://onlinenocourses.nptel.ac.in/noc23_mg68/prevlew	https://onlinenocourses.nptel.ac.in/noc22_mg98/prevlew	https://nptel.ac.in/courses/110105139
234	noc23- mg69	Management	Project Management	Prof. Raghu Nandan Sengupta	IITK	IITK	8 Weeks	UG	Elective	Yes	Operation s Managena l	https://onlinenocourses.nptel.ac.in/noc23_mg69/prevlew	https://onlinenocourses.nptel.ac.in/noc22_mg50/prevlew	https://nptel.ac.in/courses/110104073
235	noc23- mg70	Management	Decision-Making Under Uncertainty	Prof. N. Gautam	Syracuse University	IITM	4 Weeks	UG/PG	Elective	Yes	Economic Operations	https://onlinenocourses.nptel.ac.in/noc23_mg70/prevlew	https://onlinenocourses.nptel.ac.in/noc22_mg52/prevlew	https://nptel.ac.in/courses/110106134
236	noc23- mg71	Management	Operations And Supply Chain Management	Prof. G. Srinivasan	IITM	IITM	12 Weeks	UG/PG	Elective	Yes	Minor in Managem ent Operation s	https://onlinenocourses.nptel.ac.in/noc23_mg71/prevlew	https://onlinenocourses.nptel.ac.in/noc22_mg74/prevlew	https://nptel.ac.in/courses/110106045
237	noc23- mg72	Management	Design Thinking - A Primer	Prof. Ashwin Mahalinga m Prof. Bala Ramadura i	IITM	IITM	4 Weeks	UG/PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_mg72/prevlew	https://onlinenocourses.nptel.ac.in/noc23_mg71/prevlew	https://nptel.ac.in/courses/110106124
238	noc23- mg73	Management	Organizational Behaviour	Prof. M. P. Ganesh	IITH	IITM	12 Weeks	PG	Core/Elect ive	Yes		https://onlinenocourses.nptel.ac.in/noc23_mg73/prevlew	https://onlinenocourses.nptel.ac.in/noc22_mg78/prevlew	https://nptel.ac.in/courses/110106145
239	noc23- mg74	Management	Entrepreneurship	Prof. C Bhaktavat sala Rao	IITM	IITM	12 Weeks	UG/PG	Core	Yes	Faculty Domain - Advanced	https://onlinenocourses.nptel.ac.in/noc23_mg74/prevlew	https://onlinenocourses.nptel.ac.in/noc22_mg81/prevlew	https://nptel.ac.in/courses/110106141

240	noc23- mg75	Management	Strategy And Technology: A Practical Primer	Prof. C Bhaskar sala Rao	IITM	IITM	12 Weeks	UG/PG	Core	Yes		<a href="https://onlinenptel.ac.in/noc23_mg75/previ
ew">https://onlinenptel.ac.in/noc23_mg75/previ ew	<a href="https://onlinenptel.ac.in/noc23_mg01/previ
ew">https://onlinenptel.ac.in/noc23_mg01/previ ew	https://onlinenptel.ac.in/courses/110106157
241	noc23- mg76	Management	Marketing Management - I	Prof. Jayanta Chatterjee Prof. Shashi- Shekhar	IITK	IITK	8 Weeks	UG	Elective	Yes	Marketing, Minor in Managem ent	<a href="https://onlinenptel.ac.in/noc23_mg76/previ
ew">https://onlinenptel.ac.in/noc23_mg76/previ ew	<a href="https://onlinenptel.ac.in/noc22_mg57/previ
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242	noc23- mg77	Management	Managing Smivices	Prof. Jayanta Chatterjee	IITK	IITK	8 Weeks	PG	Elective	Yes	Marketing	<a href="https://onlinenptel.ac.in/noc23_mg77/previ
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243	noc23- mg78	Management	Data Analysis & Decision Making - III	Prof. Raghu Nandan Sengupta	IITK	IITK	12 Weeks	PG	Elective	Yes	Operations Economic Manageria l Economic Operations	<a href="https://onlinenptel.ac.in/noc23_mg78/previ
ew">https://onlinenptel.ac.in/noc23_mg78/previ ew	<a href="https://onlinenptel.ac.in/noc22_mg59/previ
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244	noc23- mg79	Management	Strategy: An Introduction To Game Theory	Prof. Aditya Jagannath am Prof. Vimal Kumar	IITK	IITK	8 Weeks	UG/PG	Elective	Yes		<a href="https://onlinenptel.ac.in/noc23_mg79/previ
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ew">https://onlinenptel.ac.in/noc22_mg77/previ ew	https://onlinenptel.ac.in/courses/110104063
245	noc23- mg80	Management	Financial Accounting	Prof. Varadraj Bapat	IITB	IITB	8 Weeks	UG/PG	Core/Elective	Yes	Minor in Managem ent	<a href="https://onlinenptel.ac.in/noc23_mg80/previ
ew">https://onlinenptel.ac.in/noc23_mg80/previ ew	<a href="https://onlinenptel.ac.in/noc22_mg63/previ
ew">https://onlinenptel.ac.in/noc22_mg63/previ ew	https://onlinenptel.ac.in/courses/110101131
246	noc23- mg81	Management	Cost Accounting	Prof. Varadraj Bapat	IITB	IITB	4 Weeks	UG/PG	Core/Elective	Yes		<a href="https://onlinenptel.ac.in/noc23_mg81/previ
ew">https://onlinenptel.ac.in/noc23_mg81/previ ew	<a href="https://onlinenptel.ac.in/noc22_mg64/previ
ew">https://onlinenptel.ac.in/noc22_mg64/previ ew	https://onlinenptel.ac.in/courses/110101132

247	noc23- mg82	Management	Game Theory	Prof. K. S. Malikanju na Rao	IITB	IITB	6 Weeks	UG	Elective	Yes	Economic Management Economic	https://nptel.ac.in/courses/noc23_mg82/prev	https://nptel.ac.in/courses/noc22_mg76/prev	https://nptel.ac.in/courses/101133
248	noc23- mg83	Management	Organization Development And Change In 21st Century	Prof. Ashish Pandey	IITB	IITB	8 Weeks	UG/PG	Elective	Yes	Faculty Domain - Advanced Management Economic	https://nptel.ac.in/courses/noc23_mg83/prev	https://nptel.ac.in/courses/noc22_mg84/prev	https://nptel.ac.in/courses/101146
249	noc23- mg84	Management	Business And Sustainable Development	Prof. Trupti Mishra	IITB	IITB	4 Weeks	UG/PG	Elective	Yes	Management Economic	https://nptel.ac.in/courses/noc23_mg84/prev	https://nptel.ac.in/courses/noc22_mg85/prev	https://nptel.ac.in/courses/101153
250	noc23- mg85	Management	Strategic Management - The Competitive Edge	Prof. R. Srivivasan	IISc	IISc	8 Weeks	PG	Elective	Yes		https://nptel.ac.in/courses/noc23_mg85/prev	https://nptel.ac.in/courses/noc22_mg89/prev	https://nptel.ac.in/courses/108161
251	noc23- mg86	Management	Commodity Derivatives & Risk Management	Prof. Prabhina Rujib Prof. Kunal Kanit Prof. Ghosh Sani Das Prof. Surojit Mukharjee	IITKGP	IITKGP	12 Weeks	PG	Elective	Yes		https://nptel.ac.in/courses/noc23_mg86/prev		https://nptel.ac.in/courses/105168
252	noc23- mg87	Management	Management Information System		IITKGP	IITKGP	12 Weeks	PG	Core	Yes		https://nptel.ac.in/courses/noc23_mg87/prev	https://nptel.ac.in/courses/noc22_mg100/prev	https://nptel.ac.in/courses/105148
253	noc23- mg88	Management	E-Business	Prof. Mamata Jenamani	IITKGP	IITKGP	12 Weeks	UG	Elective	Yes		https://nptel.ac.in/courses/noc23_mg88/prev	https://nptel.ac.in/courses/noc23_mg49/prev	https://nptel.ac.in/courses/105083

254	noc23- mg99	Management	Automation In Production Systems And Management	Prof. Pradip Kumar Ray	IITKGP	IITKGP	12 Weeks	UG/PG	Elective	Yes	Managana Economic Operations	https://onlinenecourses.nptel.ac.in/noc23_mg99/preview	https://nptel.ac.in/courses/110105155
255	noc23- mg90	Management	Organizational Behaviour - II	Prof. Susmita Mukhopad hyay Prof. Sangeeta Sahney Prof. S. Srinivasan	IITKGP	IITKGP	12 Weeks	UG/PG	Core	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg90/preview	https://nptel.ac.in/courses/110105154
256	noc23- mg91	Management	Customer Relationship Management	Prof. Swagato Chatterjee	IITKGP	IITKGP	8 Weeks	PG	Elective	Yes	Marketing	https://onlinenecourses.nptel.ac.in/noc23_mg91/preview	https://nptel.ac.in/courses/110105145
257	noc23- mg92	Management	Corporate Finance	Prof. Abhijeet Chandra	IITKGP	IITKGP	8 Weeks	UG/PG	Elective	Yes	Economic and Finance	https://onlinenecourses.nptel.ac.in/noc23_mg92/preview	https://nptel.ac.in/courses/110105156
258	noc23- mg93	Management	Strategic Management For Competitive Advantage	Prof. Sanjib Chowdhury	IITKGP	IITKGP	12 Weeks	PG	Core	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg93/preview	https://nptel.ac.in/courses/110105161
259	noc23- mg94	Management	Corporate Social Responsibility	Prof. Aradhna Malik	IITKGP	IITKGP	8 Weeks	UG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg94/preview	https://nptel.ac.in/courses/110105081
260	noc23- mg95	Management	Strategic Communication For Sustainable Development	Prof. Aradhna Malik	IITKGP	IITKGP	4 Weeks	UG/PG	Elective	Yes		https://onlinenecourses.nptel.ac.in/noc23_mg95/preview	https://nptel.ac.in/courses/110105073

261	noc23- mg96	Management	Knowledge Management	Prof. K B Srivastava	IITKGP	IITKGP	IITKGP	8 Weeks	UG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_mg96/prev	https://onlinenocourses.nptel.ac.in/noc22_mg99/prev	https://nptel.ac.in/courses/110105076
262	noc23- mg97	Management	Ethics In Engineering Practice	Prof. Susmita Mukhopad hyay	IITKGP	IITKGP	IITKGP	8 Weeks	UG/PG	Elective	Yes	Faculty Domain - Advanced Faculty Domain - Fundamen tal	https://onlinenocourses.nptel.ac.in/noc23_mg97/prev	https://onlinenocourses.nptel.ac.in/noc23_mg41/prev	https://nptel.ac.in/courses/110105097
263	noc23- mg98	Management	Industrial Safety Engineering	Prof. Jharieswar Maili	IITKGP	IITKGP	IITKGP	12 Weeks	PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_mg98/prev	https://onlinenocourses.nptel.ac.in/noc22_mg97/prev	https://nptel.ac.in/courses/110105094
264	noc23- mg99	Management	Patent Search For Engineers And Lawyers	Prof. M Padmavati Prof. Shreya Mailil	IITKGP	IITKGP	IITKGP	8 Weeks	UG/PG	Elective	Yes	Patents and Intellectua l Property Rights	https://onlinenocourses.nptel.ac.in/noc23_mg99/prev	https://onlinenocourses.nptel.ac.in/noc21_hs103/prev	https://nptel.ac.in/courses/110105140
265	noc23- pl123	Physics	Upstream Eng Technicjs	Prof. Pavitra Saudhya	IITKGP	IITKGP	IITKGP	12 Weeks	UG/PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_p123/prev	https://onlinenocourses.nptel.ac.in/noc22_p123/prev	https://nptel.ac.in/courses/115105106
266	noc23- pl24	Physics	Introduction To Classical Mechanics	Prof. Anurag Tripathi	IITH	IITM	IITM	12 Weeks	PG	Core	Yes		https://onlinenocourses.nptel.ac.in/noc23_p24/prev	https://onlinenocourses.nptel.ac.in/noc22_p24/prev	https://nptel.ac.in/courses/115106123
267	noc23- pl25	Physics	Introduction To Quantum Field Theory(Theory Of Scalar Fields)	Prof. Anurag Tripathi	IIT Hyderabad	IITM	IITM	12 Weeks	PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_p25/prev	https://onlinenocourses.nptel.ac.in/noc22_p25/prev	https://nptel.ac.in/courses/115106128
268	noc23- pl26	Physics	Introduction To Astrophysical Fluids	Prof. Supratik Banerjee	IITK	IITK	IITK	12 Weeks	PG	Elective	Yes		https://onlinenocourses.nptel.ac.in/noc23_p26/prev	https://onlinenocourses.nptel.ac.in/noc22_p26/prev	https://nptel.ac.in/courses/115104124

269	noc23-ph27	Physics	Numerical Methods And Simulation Techniques For Scientists And Engineers	Prof. Saurabh Basu	IITG	IITG	8 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph27/preview	https://onlinenecourses.nptel.ac.in/courses/115103114
270	noc23-ph28	Physics	Nuclear And Particle Physics	Prof. Poulos Poulos	IITG	IITG	12 Weeks	UG/PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph28/preview	https://onlinenecourses.nptel.ac.in/courses/115103101
271	noc23-ph29	Physics	Advanced Quantum Mechanics With Applications	Prof. Saurabh Basu	IITG	IITG	8 Weeks	UG/PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph29/preview	https://onlinenecourses.nptel.ac.in/courses/115103104
272	noc23-ph30	Physics	Dynamics Of Classical And Quantum Fields	Prof. Girish S. Sallur	IITG	IITG	12 Weeks	PG	Core	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph30/preview	https://onlinenecourses.nptel.ac.in/courses/115103131
273	noc23-ph31	Physics	Neutron Scattering For Condensed Matter Studies	Prof. Saihal Basu Dr. Pritam Singh Dr. Rajni Pande Dr. Amalendu Sharma	HBNI	IITB	12 Weeks	PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph31/preview	https://onlinenecourses.nptel.ac.in/courses/115101131
274	noc23-ph32	Physics	Accelerator Physics	Prof. M R Shony	HBNI	IITB	12 Weeks	PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph32/preview	https://onlinenecourses.nptel.ac.in/courses/115101132
275	noc23-ph33	Physics	Introduction To Laser	Prof. M R Shony	IITD	IITD	12 Weeks	UG/PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph33/preview	https://onlinenecourses.nptel.ac.in/courses/115102124
276	noc23-ph34	Physics	Physics Of Functional Materials & Devices	Prof. Amrlesh Chandra	IITKGP	IITKGP	12 weeks	UG/PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph34/preview	https://onlinenecourses.nptel.ac.in/courses/115105134

277	noc23-ph35	Physics	Physics Of Renewable Energy Systems	Prof. Animesh Chandra	IITKGP	IITKGP	12 Weeks	UG/PG	Elective	Yes	Energy and Environment	https://onlinenoc23_p/noc22_p/h35/preview	https://onlinenoc22_p/h44/preview	https://onlinenoc22_p/h35/preview	https://onlinenoc22_p/h35/preview	https://onlinenoc22_p/h35/preview	https://onlinenoc22_p/h35/preview	
278	noc23-ph36	Physics	Concepts In Magnetism And Superconductivity	Prof. A Taraphder	IITKGP	IITKGP	8 Weeks	UG/PG	Elective	Yes		https://onlinenoc23_p/noc22_p/h36/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview
279	noc23-ph37	Physics	Experimental Physics I	Prof. Anil Kumar Das	IITKGP	IITKGP	12 Weeks	UG	Core	No		https://onlinenoc23_p/noc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview	https://onlinenoc21_p/h37/preview
280	noc23-ph38	Physics	Solid State Physics	Prof. Anil Kumar Das	IITKGP	IITKGP	12 Weeks	UG	Core	No		https://onlinenoc23_p/noc22_p/h38/preview	https://onlinenoc22_p/h37/preview	https://onlinenoc22_p/h37/preview	https://onlinenoc22_p/h37/preview	https://onlinenoc22_p/h37/preview	https://onlinenoc22_p/h37/preview	https://onlinenoc22_p/h37/preview
281	noc23-ph39	Physics	Newtonian Mechanics With Examples	Prof. Shriditya Sengupta	IITR	IITR	8 Weeks	UG	Core	No		https://onlinenoc23_p/h39/preview	https://onlinenoc22_p/h39/preview	https://onlinenoc22_p/h39/preview	https://onlinenoc22_p/h39/preview	https://onlinenoc22_p/h39/preview	https://onlinenoc22_p/h39/preview	https://onlinenoc22_p/h39/preview
282	noc23-ph40	Physics	Solar Photovoltaics Fundamentals, Technology And Applications	Prof. Soumitra Satapathi	IITR	IITR	8 weeks	UG/PG	Core/Elective	Yes		https://onlinenoc23_p/h40/preview	https://onlinenoc22_p/h25/preview	https://onlinenoc22_p/h25/preview	https://onlinenoc22_p/h25/preview	https://onlinenoc22_p/h25/preview	https://onlinenoc22_p/h25/preview	https://onlinenoc22_p/h25/preview
283	noc23-ph41	Physics	Applied Optics	Prof. Akhlesh Kumar Mishra	IITR	IITR	12 Weeks	UG	Core	No		https://onlinenoc23_p/h41/preview	https://onlinenoc22_p/h32/preview	https://onlinenoc22_p/h32/preview	https://onlinenoc22_p/h32/preview	https://onlinenoc22_p/h32/preview	https://onlinenoc22_p/h32/preview	https://onlinenoc22_p/h32/preview
284	noc23-ph42	Physics	Radio Astronomy	Prof. Abhirup Datta	IIT Indore	IITM	12 Weeks	UG/PG	Core/Elective	Yes		https://onlinenoc23_p/h42/preview	https://onlinenoc22_p/h42/preview	https://onlinenoc22_p/h42/preview	https://onlinenoc22_p/h42/preview	https://onlinenoc22_p/h42/preview	https://onlinenoc22_p/h42/preview	https://onlinenoc22_p/h42/preview
285	noc23-ph44	Physics	Introduction To Electromagnetic Theory (Hindi)	Prof. Manoj Harbada	IITK	IITK	8 Weeks	UG	Core	No		https://onlinenoc23_p/h44/preview	https://onlinenoc22_p/h44/preview	https://onlinenoc22_p/h44/preview	https://onlinenoc22_p/h44/preview	https://onlinenoc22_p/h44/preview	https://onlinenoc22_p/h44/preview	https://onlinenoc22_p/h44/preview

286	noc23-ph45	Physics	Quantum Hall Effects	Prof. Saurabh Basu	IITG	IITG	8 Weeks	PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph45/preview	https://nptel.ac.in/courses/115103134
287	noc23-ph46	Physics	Scientific Computing Using Python	Prof. Mahendra K. Verma	IITK	IITK	12 Weeks	PG	Elective	Yes	https://onlinenecourses.nptel.ac.in/noc23_ph46/preview	https://nptel.ac.in/courses/115104135