



NPTEL VIDEO COURSES (672) IN SUPPLEMENTARY FORMATS

PDF Slides of MP4, Audio Lectures (MP3), Sub-Titles (SRT)

No	Course ID	Lec	Name of the NPTEL Video Course	PDF	MP3	SRT
Discipline : Aerospace Engineering						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/aerospace-engineering.pdf						
1	101101001	40	Introduction to Aerospace Propulsion	Y	Y	Y
2	101101002	42	Jet Aircraft Propulsion	---	Y	---
3	101101058	40	Turbomachinery Aerodynamics	Y	Y	---
4	101104005	26	Aero elasticity	Y	Y	---
5	101104013	39	Foundation of Scientific Computing	Y	Y	Y
6	101104015	39	Instability and Transition of Fluid Flows	Y	Y	Y
7	101104017	26	Introduction to Helicopter Aerodynamics and Dynamics	Y	Y	Y
8	101104018	40	Introduction to Propulsion	Y	Y	---
9	101104019	40	Jet and Rocket Propulsion	Y	Y	---
10	101105024	40	High Speed Aero Dynamics	Y	Y	Y
11	101105030	45	Space Flight Mechanics	Y	Y	Y
12	101105059	46	Introduction to Aerodynamics	---	Y	---
13	101106031	41	Acoustic Instabilities in Aerospace Propulsion	Y	Y	---
14	101106033	42	Aerospace Propulsion	---	Y	---
15	101106042	41	Flight Dynamics II (Stability)	---	Y	---
16	101106044	54	Gas Dynamics	Y	Y	---
17	101106045	39	Introduction to CFD	---	Y	---
18	101108047	40	Advanced Control System Design for Aerospace Vehicles	Y	Y	Y
19	101108057	40	Optimal Control, Guidance and Estimation	Y	Y	Y
20	101104061	48	NOC:Introduction to Airplane Performance	---	Y	---
21	101104062	60	NOC:Stability and control of aircraft	---	Y	---
22	101106037	51	Combustion	---	Y	---
23	101104064	---	NOC:Aircraft Dynamic Stability and Design Stability Augmentation System (*)	---	Y	---
24	101104063	---	NOC:Engineering Thermodynamics (*)	---	Y	---
Discipline : Biotechnology						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/biotechnology.pdf						
1	102101003	39	Biomathematics	Y	Y	Y
2	102101007	240	Proteomics: Principles and Techniques	Y	Y	Y
3	102102033	28	Enzyme Science and Engineering	Y	Y	Y

4	102104042	40	Animal Physiology	Y	Y	---
5	102104043	40	Bio electricity	Y	Y	---
6	102106022	40	Downstream Processing	Y	Y	---
7	102106026	40	Thermodynamics	Y	Y	Y
8	102107028	41	Analytical Technologies in Biotechnology	Y	Y	---
9	102101050	21	NOC:Mass spectrometry based proteomics	---	Y	---
10	102106048	20	NOC:Principles of Downstream techniques in Bioprocess	---	Y	---
11	102101049	21	NOC:Proteins and Gel-Based Proteomics	---	Y	---
12	102106051	40	NOC:Biostatistics and Design of Experiments	---	Y	---
13	102106053	21	NOC:Bioreactors	---	Y	---
14	102104052	15	NOC:Human Molecular Genetics	---	Y	---
15	102101054	---	NOC:Interactomics: Protein Arrays and Label-free Biosensors *	---	Y	---
Discipline : Chemical Engineering						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/chemical-engineering.pdf						
1	103101001	41	Advanced Chemical Reaction Engineering (PG)	Y	Y	---
2	103101003	26	Advanced Process Control	---	Y	---
3	103101008	39	Chemical Reaction Engineering II	Y	Y	---
4	103101111	49	Advanced Numerical Analysis	---	Y	---
5	103102012	40	Heterogeneous Catalysis and Catalytic Processes	Y	Y	---
6	103103034	39	Mass Transfer Operations I	Y	Y	Y
7	103103039	46	Process Design Decisions and Project Economics	Y	Y	Y
8	103104044	40	Fluid Mechanics	Y	Y	Y
9	103104046	40	Mass Transfer II	Y	Y	Y
10	103104050	41	Plantwide Control of Chemical Processes	Y	Y	Y
11	103105054	40	Biochemical Engineering	Y	Y	Y
12	103105057	40	Microscale Transport Processes	Y	Y	Y
13	103105059	40	Multiphase Flow	Y	Y	Y
14	103105061	41	Novel Separation Processes	Y	Y	Y
15	103105064	44	Process Control and Instrumentation	Y	Y	---
16	103105066	40	Instability and Patterning of Thin Polymer Films	Y	Y	Y
17	103105106	41	Advanced Mathematical Techniques in Chemical Engineering	Y	Y	Y
18	103106070	35	Chemical Engineering Thermodynamics	---	Y	---
19	103106073	47	Computational Fluid Dynamics	Y	Y	Y
20	103106074	40	Computational Techniques	Y	Y	Y
21	103106103	40	Particle Characterization (PG)	Y	Y	Y
22	103106113	45	Multiphase flows:Analytical solutions and Stability Analysis	---	Y	---
23	103106114	59	NOC:Introduction to Time-Frequency Analysis and Wavelet Transforms	---	Y	---
24	103107081	40	Chemical Technology - I	Y	Y	Y

25	103107093	43	Process Integration	Y	Y	---
26	103108097	40	Chemical Reaction Engineering	Y	Y	Y
27	103108098	40	Fundamentals of Transport Processes	Y	Y	Y
28	103108099	40	Fundamentals of Transport Processes - II	Y	Y	Y
29	103108100	43	Modern Instrumental Methods of Analysis	Y	Y	Y
30	103106112	55	Statistics for Experimentalists	---	Y	---
31	103106118	45	NOC:MATLAB Programming for Numerical Computation	---	Y	---
32	103106115	39	Chemical Engineering Principles of CVD Processes	---	Y	---
33	103106119	62	NOC:Computational Fluid Dynamics	---	Y	---
34	103105121	20	NOC:Introduction to Process Modeling in Membrane Separation Process	---	Y	---
35	103106120	19	NOC:Introduction to Statistical Hypothesis Testing	---	Y	---
36	103106116	60	Chemical Reaction Engineering 1 (Homogeneous Reactors)	---	Y	---
37	103106117	43	Chemical Reaction Engineering 2 (Heterogeneous Reactors)	---	Y	---
38	103105122	---	NOC:Soft Nano Technology (*)	---	Y	---

Discipline : Chemistry and Biochemistry

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/chemistry-and-biochemistry.pdf>

1	104104011	40	Chemistry of Materials	Y	Y	---
2	104104026	40	Mathematics for Chemistry	Y	Y	Y
3	104104066	40	Advance Analytical Course	Y	Y	Y
4	104105031	40	Bio-inorganic chemistry	Y	Y	Y
5	104105033	40	Co-ordination chemistry (chemistry of transition elements)	Y	Y	Y
6	104105034	40	Heterocyclic Chemistry	Y	Y	---
7	104105038	40	Organic photochemistry and pericyclic reactions	Y	Y	Y
8	104105039	41	Polymer Chemistry	Y	Y	Y
9	104105041	40	Rate processes	Y	Y	Y
10	104106048	25	Principles and Applications of Electron Paramagnetic Resonance Spectroscopy	---	Y	---
11	104108055	40	Essentials in Immunology	Y	Y	Y
12	104108056	40	Eukaryotic Gene Expression - basics and benefits	Y	Y	Y
13	104108057	49	Introductory Quantum Chemistry	Y	Y	---
14	104108062	40	Introduction to Organometallic Chemistry	Y	Y	---
15	104106072	25	NOC:Chemistry – I	---	Y	---
16	102105034	28	Bio-Chemistry I	Y	Y	Y
17	104105076	27	NOC:Biochemistry	---	Y	---
18	104106075	36	NOC:Application of Spectroscopic Methods in Molecular Structure Determination	---	Y	---
19	104106074	27	NOC:Chemistry-II	---	Y	---
20	104108078	---	NOC:Principles and Applications of NMR Spectroscopy (*)	---	Y	---
21	104106077	---	NOC:Pericyclic Reactions and Organic Photochemistry (*)	---	Y	---

22	104101079	---	NOC:Organo Metallic Chemistry (*)	---	Y	---
23	104104080	---	NOC:Chemical Applications of Symmetry and Group Theory *	---	Y	---
Discipline : Civil Engineering						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/civil-engineering.pdf						
1	105101005	38	Soil Dynamics	Y	Y	Y
2	105101006	38	Structural Dynamics	Y	Y	---
3	105101010	40	Watershed Management	Y	Y	Y
4	105101082	42	Fluid Mechanics	Y	Y	Y
5	105101084	57	Soil Mechanics	Y	Y	Y
6	105101086	40	Structural Analysis II	Y	Y	Y
7	105101134	43	Geotechnical Earthquake Engineering	---	Y	---
8	105101143	63	Geosynthetics Engineering: In Theory and Practice	Y	Y	Y
9	105102012	41	Concrete Technology	Y	Y	Y
10	105102016	30	Seismic Analysis of Structures	---	Y	---
11	105102088	41	Civil Engineering - Building materials and Construction	Y	Y	---
12	105103021	43	Advanced Hydraulics	Y	Y	Y
13	105103094	40	Design of Steel Structures	Y	Y	---
14	105103096	40	Hydraulics	Y	Y	Y
15	105104029	44	Advanced Hydrology	Y	Y	Y
16	105104030	40	Concrete Engineering and Technology	Y	Y	Y
17	105104099	39	Environmental Air Pollution	Y	Y	Y
18	105104101	40	Surveying	Y	Y	---
19	105104103	28	Water Resources Engineering	Y	Y	Y
20	105104131	40	Geotechnical Measurements and Explorations	Y	Y	Y
21	105104135	40	Application of Soil Mechanics	Y	Y	---
22	105105039	40	Advanced Foundation Engineering	Y	Y	Y
23	105105043	40	Numerical Methods in Civil Engineering	Y	Y	Y
24	105105045	40	Probability Methods in Civil Engineering	Y	Y	Y
25	105105105	30	Design of Reinforced Concrete Structures	Y	Y	---
26	105105106	40	Engineering Geology	Y	Y	---
27	105105107	41	Introduction to Transportation Engineering	Y	Y	Y
28	105105108	40	Strength of Materials	Y	Y	---
29	105106050	41	Advanced Structural Analysis	Y	Y	Y
30	105106051	40	Finite Element Analysis	Y	Y	Y
31	105106052	40	Geosynthetics and Reinforced Soil Structures	Y	Y	---
32	105106053	20	Modern Construction Materials	Y	Y	---
33	105106058	40	Urban transportation planning	Y	Y	Y
34	105106116	39	Mechanics of solids	Y	Y	Y

35	105106118	40	Pre-stressed Concrete Structures	Y	Y	Y
36	105106119	40	Water and Waste Water Engineering	Y	Y	Y
37	105107120	40	Foundation Engineering	Y	Y	---
38	105107121	40	Modern Surveying Techniques	Y	Y	Y
39	105107123	40	Transportation Engineering II	Y	Y	Y
40	105108075	40	Ground Improvement Techniques	Y	Y	Y
41	105108079	40	Stochastic Hydrology	Y	Y	Y
42	105108080	42	Stochastic Structural Dynamics	Y	Y	Y
43	105108130	40	Water Resources Systems : Modeling Techniques and Analysis	Y	Y	Y
44	105105042	40	Ground Water Hydrology	---	Y	---
45	105101001	60	Advanced Geotechnical Engineering	---	Y	---
46	105106145	40	NOC:Sustainable River Basin Management	Y	Y	---
47	105106149	57	NOC:Project Planning and Control	---	Y	---
48	105105150	25	NOC:Probability Methods in Civil Engineering	---	Y	---
49	105104147	65	NOC:Geology and Soil Mechanics	---	Y	---
50	105104148	32	NOC:Engineering Graphics	---	Y	---
51	105106151	---	NOC:Structural Dynamics (*)	---	Y	---
52	105104152	---	NOC:Earth Sciences for Civil Engineering (*)	---	Y	---

Discipline : Computer Science and Engineering

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/computer-science-and-engineering.pdf>

1	106101007	40	Natural Language Processing	Y	Y	---
2	106101060	34	Design and Analysis of Algorithms	Y	Y	---
3	106101061	39	Software Engineering	Y	Y	Y
4	106102011	40	Computational Geometry	Y	Y	Y
5	106102013	39	Logic for CS	Y	Y	---
6	106102062	38	Computer Architecture	Y	Y	Y
7	106102064	36	Data Structures And Algorithms	Y	Y	---
8	106102065	35	Introduction to Computer Graphics	Y	Y	Y
9	106102067	40	Principles of Programming Languages	Y	Y	Y
10	106102114	34	Parallel Computing	---	Y	---
11	106103116	44	Design Verification and Test of Digital VLSI Circuits	Y	Y	Y
12	106104019	35	Computer Algorithms – 2	Y	Y	Y
13	106104028	33	Theory of Computation	---	Y	---
14	106104074	24	Introduction to Problem Solving and Programming	Y	Y	---
15	106104118	30	Riemann Hypothesis and its Applications	Y	Y	---
16	106104119	26	Biometrics	Y	Y	Y
17	106104120	25	Parallel Algorithm	Y	Y	Y
18	106104122	36	Computer Architecture	Y	Y	---

19	106104123	30	Compiler Design	---	Y	---
20	106104128	59	NOC:Introduction to programming in C	---	Y	---
21	106105031	41	Cryptography and Network Security	Y	Y	Y
22	106105033	41	High Performance Computer Architecture	Y	Y	---
23	106105034	40	Low Power VLSI Circuits and Systems	Y	Y	Y
24	106105036	40	Real Time Systems	Y	Y	Y
25	106105077	40	Artificial Intelligence	Y	Y	Y
26	106105079	28	Artificial Intelligence (Prof.P. Dasgupta)	Y	Y	Y
27	106105081	40	Computer Networks	Y	Y	Y
28	106105082	41	Data Communication	Y	Y	Y
29	106105083	35	Electronic Design Automation	Y	Y	Y
30	106105084	40	Internet Technology	Y	Y	Y
31	106105085	32	Programming and Data Structure	Y	Y	Y
32	106106046	43	Pattern Recognition	---	Y	---
33	106106048	42	Performance Evaluation of Computer Systems	---	Y	---
34	106106049	42	Theory of Automata, Formal Languages and Computation	Y	Y	Y
35	106106090	43	Computer Graphics	Y	Y	Y
36	106106092	33	Computer Organization	Y	Y	Y
37	106106093	43	Database Design	Y	Y	Y
38	106106094	40	Discrete Mathematical Structures	Y	Y	Y
39	106106126	48	Artificial Intelligence	Y	Y	---
40	106106127	61	NOC:Programming, Data Structures and Algorithms	---	Y	---
41	106106129	65	NOC:Introduction to Information Security I	---	Y	---
42	106106130	18	NOC:Programming and Data structures (PDS)	---	Y	---
43	106106131	56	NOC:Design and Analysis of Algorithms	---	Y	---
44	106106133	55	NOC:Programming, Data Structures and Algorithms (Aricent)	---	Y	---
45	106108051	41	Combinatorics	Y	Y	Y
46	106108052	50	Compiler Design	Y	Y	Y
47	106108054	40	Graph Theory	Y	Y	Y
48	106108055	41	High Performance Computing	Y	Y	Y
49	106108056	41	Numerical Optimization	Y	Y	Y
50	106108058	43	Storage Systems	---	Y	---
51	106108102	40	System Analysis and Design	Y	Y	---
52	106108113	46	Principles of Compiler Design	Y	Y	---
53	106106134	33	NOC:Computer Architecture	---	Y	---
54	106106136	53	NOC:Model Checking	---	Y	---
55	106106137	28	NOC:Functional Programming in Haskell	Y	Y	---
56	106104135	48	NOC:Fundamentals of Database Systems	Y	Y	---

57	106106141	42	NOC:Information Security - II	---	Y	---
58	106106139	86	NOC:Introduction to Machine Learning (Sponsored by Arihant)	---	Y	---
59	106106140	70	NOC:Artificial Intelligence: Knowledge Representation & Reasoning	---	Y	---
60	106106138	71	Virtual Reality	---	Y	---
61	106106142	---	NOC:Algorithms for Big Data (*)	---	Y	---
62	106105154	---	NOC:Complex Network : Theory and Application (*)	---	Y	---
63	106105153	---	NOC:Object-Oriented Analysis and Design (*)	---	Y	---
64	106105152	---	NOC:Introduction to Machine Learning (*)	---	Y	---
65	106105151	---	NOC:Programming in C++ (*)	---	Y	---
66	106105150	---	NOC:Software Testing (*)	---	Y	---
67	106104148	---	NOC:Theory of Computation (*)	---	Y	---
68	106107155	---	NOC:Introduction to Cryptology (*)	---	Y	---
69	106104149	---	NOC:Modern Algebra (*)	---	Y	---
70	106106146	---	NOC:Privacy and Security in Online Social Networks (*)	---	Y	---
71	106106145	---	NOC:Programming, Data Structures and Algorithms in Python *	---	Y	---
72	106106144	---	NOC:Introduction to Operating Systems (*)	---	Y	---
73	106106147	---	NOC:Mobile Computing (*)	---	Y	---
74	106106143	---	NOC:Reinforcement Learning (*)	---	Y	---

Discipline : Engineering Design

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/engineering-design.pdf>

1	107103004	40	Ergonomics for beginners: Industrial design perspective	Y	Y	Y
2	107106009	30	Principles of Engineering System Design	---	Y	---
3	107106080	32	Vehicle Dynamics	---	Y	---

Discipline : Electrical Engineering

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/electrical-engineering.pdf>

1	108101002	35	Nonlinear Dynamical Systems	Y	Y	---
2	108101004	45	Power System Dynamics and Control	---	Y	---
3	108101037	47	Control Engineering	Y	Y	Y
4	108101038	43	Power Electronics	Y	Y	Y
5	108102042	51	Circuit Theory	Y	Y	Y
6	108102043	41	Control Engineering	Y	Y	Y
7	108102045	37	Embedded Systems	Y	Y	---
8	108102047	35	Power System Generation, Transmission and Distribution	Y	Y	Y
9	108102080	40	Power System Dynamics	Y	Y	Y
10	108103007	40	Advanced Control Systems	Y	Y	Y
11	108104011	40	Advanced Electric Drives	Y	Y	---
12	108104013	37	High Voltage DC Transmission	Y	Y	Y
13	108104049	32	Intelligent Systems and Control	Y	Y	Y
14	108104052	35	Power Systems Operation and Control	Y	Y	---

15	108105017	40	Electrical Machines - I	Y	Y	---
16	108105019	60	Optimal Control	Y	Y	---
17	108105054	40	Chaos, Fractals and Dynamic Systems	Y	Y	Y
18	108105055	35	Digital Signal Processing	Y	Y	Y
19	108105056	34	Dynamics of Physical Systems	Y	Y	---
20	108105058	40	Energy Resources and Technology	Y	Y	Y
21	108105059	30	Estimation of Signals and Systems	Y	Y	Y
22	108105060	20	Illumination Engineering	Y	Y	Y
23	108105062	40	Industrial Automation and Control	Y	Y	---
24	108105064	40	Industrial Instrumentation	Y	Y	---
25	108105065	36	Networks Signals and Systems	Y	Y	Y
26	108105067	40	Power System Analysis	Y	Y	---
27	108106023	43	Modelling and Analysis of Electric Machines	---	Y	---
28	108106068	28	Analog ICs	Y	Y	Y
29	108106069	40	Digital Integrated Circuits	Y	Y	Y
30	108106073	42	Electromagnetic Fields	Y	Y	---
31	108106075	50	Networks and Systems	Y	Y	---
32	108106083	49	Probability Foundation for Electrical Engineers	Y	Y	---
33	108108031	42	An Introduction to Electronics Systems Packaging	Y	Y	Y
34	108108034	40	Power Electronics and Distributed Generation	Y	Y	---
35	108108035	40	Pulse width Modulation for Power Electronic Converters	---	Y	---
36	108108036	40	Switched Mode Power Conversion	Y	Y	Y
37	108108076	39	Basic Electrical Technology	Y	Y	Y
38	108108077	37	Industrial Drives - Power Electronics	Y	Y	Y
39	108106084	95	NOC:Analog Circuits	---	Y	---
40	108106085	29	NOC:Introduction to Non Linear Dynamics	---	Y	---
41	108105088	52	NOC:Industrial Automation and Control	---	Y	---
42	108104087	85	NOC:Electromagnetic Theory	---	Y	---
43	108101089	28	Fabrication of Silicon VLSI Circuits using the MOS technology	---	Y	---
44	108101090	---	NOC:Computational Electromagnetics and Applications (*)	---	Y	---

Discipline : Humanities and Social Sciences

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/humanities-and-social-sciences.pdf>

1	109101004	42	Contemporary Issues in Philosophy of Mind and Cognition	Y	Y	Y
2	109101017	41	Understanding Creativity and Creative Writing	Y	Y	Y
3	109103019	40	Cultural Studies	Y	Y	Y
4	109103020	38	English Language and Literature	Y	Y	---
5	109103021	40	Game Theory and Economics	Y	Y	Y
6	109104031	40	Communication Skills	Y	Y	Y

7	109104035	43	International Economics	Y	Y	Y
8	109104040	44	Introduction to Logic	---	Y	---
9	109104045	40	Population and Society	Y	Y	Y
10	109104073	22	Macro Economics	Y	Y	Y
11	109104074	41	Introduction to Sociology	Y	Y	Y
12	109104076	40	Money and Banking	Y	Y	Y
13	109104081	40	Human Adjustment Processes	Y	Y	---
14	109104082	35	Selected Topics in Psychology	Y	Y	---
15	109104088	16	NOC:Elements of Visual Representation	---	Y	---
16	109106052	40	Aspects of Western Philosophy	---	Y	---
17	109106053	40	Contemporary Literature	Y	Y	Y
18	109106058	36	History of Economic Theory	Y	Y	---
19	109106059	42	Indian Philosophy	Y	Y	Y
20	109106067	38	Better Spoken English	Y	Y	Y
21	109106079	40	Introduction to Film Studies	Y	Y	Y
22	109106080	41	Introduction to Modern Linguistics	---	Y	---
23	109106083	41	Principles and Parameters in Natural Language	---	Y	---
24	109106084	41	NOC:Literary Criticism and Literary Theory	Y	Y	---
25	109106085	40	NOC:Language and Mind	---	Y	---
26	109106086	43	NOC:Film Appreciation	---	Y	---
27	109106087	66	NOC:Appreciating carnatic music	---	Y	---
28	109106089	38	NOC:Infrastructure Economics	---	Y	---
29	109104090	40	NOC:Practical English: Learning and Teaching	---	Y	---
30	109106091	20	NOC:Language and Society	---	Y	---
31	109104093	24	NOC:Brief introduction to Psychology	---	Y	---
32	109106092	20	NOC:Issues in Bioethics	---	Y	---
33	109106094	38	NOC:Technical English for Engineers	---	Y	---
34	109106095	22	NOC:Health Research Fundamentals	---	Y	---
35	109104032	38	Ethics	---	Y	---
36	109105098	20	NOC:Legal Compliance for Incorporating Startup	---	Y	---
37	109105097	20	NOC:Technology Transfer through Joint Venture	---	Y	---
38	109104096	20	NOC:Psychiatry:An overview	---	Y	---
39	109105111	---	NOC:Symbolic Logic (*)	---	Y	---
40	109105110	---	NOC:Soft Skill Development (*)	---	Y	---
41	109105113	---	NOC:Globalization and Culture (*)	---	Y	---
42	109104107	---	NOC:Developing Soft Skills and Personality (*)	---	Y	---
43	109104106	---	NOC:Folk and Minor Art in India (*)	---	Y	---
44	109104105	---	NOC:Introduction to Psychology (*)	---	Y	---

45	109104108	---	NOC:How the Brain Creates Mind (*)	---	Y	---
46	109104102	---	NOC:Introduction to Indian Art - An appreciation (*)	---	Y	---
47	109104109	---	NOC:Understanding Design Thinking & People Centred Design	---	Y	---
48	109104104	---	NOC:Probability and Stochastic for Finance II (*)	---	Y	---
49	109104103	---	NOC:Basic Concepts of Modal Logic (*)	---	Y	---
50	109106099	---	NOC:American Literature and Culture (*)	---	Y	---
51	109103101	---	NOC:Digital Human Modeling and Simulation for Virtual Ergonomics Evaluation (*)	---	Y	---
52	109106114	---	NOC:Applied Linguistics (*)	---	Y	---
53	109106100	---	NOC:Economics of IPR (*)	---	Y	---
54	109105112	---	NOC:Introduction on Intellectual Property to Engineers and Technologists (*)	---	Y	---

Discipline : Management

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/management.pdf>

1	110101003	41	Managerial Accounting	Y	Y	---
2	110101005	40	Managerial Economics	Y	Y	Y
3	110102016	40	Organisation Management	Y	Y	Y
4	110102058	38	Organisation of Engineering Systems and Human Resources Management	Y	Y	Y
5	110104055	37	Strategic Marketing - Contemporary Issues	Y	Y	Y
6	110104063	58	NOC:Strategy: An Introduction to game Theory	---	Y	---
7	110105030	40	Econometric Modelling	Y	Y	Y
8	110105033	41	Organizational Behaviour	Y	Y	Y
9	110105035	40	Security Analysis and Portfolio Management	Y	Y	Y
10	110105039	40	Six Sigma	Y	Y	Y
11	110105052	40	International Business Communication	Y	Y	---
12	110105054	40	Consumer Behaviour	Y	Y	Y
13	110105057	40	International Finance	Y	Y	Y
14	110105060	42	Applied Multivariate Statistical Modeling	Y	Y	---
15	110106043	40	Infrastructure Finance	Y	Y	Y
16	110106044	40	Manufacturing Systems Management	---	Y	---
17	110106045	41	Operations and Supply Chain Management	Y	Y	---
18	110106050	42	Business Analysis for Engineers	---	Y	---
19	110106062	40	NOC:Introduction to Operations Research	---	Y	---
20	110108047	37	Strategic Management	Y	Y	Y
21	110108056	38	Global Supply Chain Management	---	Y	---
22	110104066	48	NOC:Quantitative Finance	Y	Y	---
23	110104065	48	NOC:Managing Services	---	Y	---
24	110106064	47	NOC:Introduction to Data Analytics	---	Y	---
25	110105067	50	Economics / Management / Entrepreneurship	---	Y	---

26	110105069	32	NOC:Principles of Human Resource Management	---	Y	---
27	110104068	46	NOC:Marketing Management - I	---	Y	---
28	110106072	---	NOC:Introduction to Data analytics	---	Y	---
29	110104070	---	NOC:Marketing Management - II	---	Y	---
30	110105071	---	NOC:Commodity Derivatives and Risk Management	---	Y	---
Discipline : Mathematics						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/mathematics.pdf						
1	111101003	40	Elementary Numerical Analysis	Y	Y	Y
2	111101005	40	Measure and Integration	---	Y	---
3	111101080	40	Mathematics in India - From Vedic Period to Modern Times	---	Y	---
4	111102014	39	Stochastic Processes	Y	Y	Y
5	111103016	41	Formal Languages and Automata Theory	Y	Y	---
6	111103070	40	Complex Analysis	Y	Y	Y
7	111104024	44	Applied Multivariate Analysis	Y	Y	Y
8	111104025	40	Calculus of Variations and Integral Equations	Y	Y	Y
9	111104027	40	Linear programming and Extensions	Y	Y	Y
10	111104068	42	Convex Optimization	Y	Y	Y
11	111104071	38	Foundations of Optimization	Y	Y	Y
12	111104079	40	Probability Theory and Applications	Y	Y	---
13	111105035	42	Advanced Engineering Mathematics	Y	Y	Y
14	111105037	40	Functional Analysis	Y	Y	Y
15	111105038	40	Numerical methods of Ordinary & Partial Differential Equations	Y	Y	---
16	111105039	40	Optimization	Y	Y	---
17	111105041	40	Probability and Statistics	Y	Y	Y
18	111105042	40	Regression Analysis	Y	Y	Y
19	111105043	40	Statistical Inference	---	Y	---
20	111105069	46	A Basic Course in Real Analysis	Y	Y	Y
21	111106044	48	An Introduction to Riemann Surfaces and Algebraic Curves: Complex 1-Tori and Elliptic Curves	---	Y	---
22	111106051	52	Linear Algebra	---	Y	---
23	111106052	42	Mathematical Logic	Y	Y	---
24	111106053	52	Real Analysis	Y	Y	---
25	111106083	17	NOC:An invitation to mathematics	---	Y	---
26	111107058	41	Discrete Mathematics	---	Y	---
27	111108066	40	Advanced Matrix Theory and Linear Algebra for Engineers	Y	Y	Y
28	111108081	40	Ordinary Differential Equations and Applications	Y	Y	---
29	111104085	30	NOC:Basic Calculus for Engineers, Scientists and Economists	---	Y	---
30	111105077	40	Statistical Methods for Scientists and Engineers	---	Y	---
31	111106084	43	Advanced Complex Analysis- Part 1:Zeros of Analytic Functions,	---	Y	---

			Analytic continuation, Monodromy, Hyperbolic Geometry			
32	111106086	51	NOC:Discrete Mathematics	---	Y	---
33	111105091	28	NOC:Applied Multivariate Statistical Modeling	---	Y	---
34	111105090	79	NOC:Probability and Statistics	---	Y	---
35	111104089	20	NOC:Probability and Stochastics for finance	---	Y	---
36	111106082	40	Dynamic Data Assimilation: An Introduction	---	Y	---
37	111106094	8	Advanced Complex Analysis - Part 2	---	Y	---
38	111105093	20	NOC:Partial Differential Equations (PDE) for Engineers: Solution by Separation of Variables	---	Y	---
39	111104092	21	NOC:Differential Calculus in Several Variables	---	Y	---
40	111102096	---	NOC:Stochastic Processes - 1 (*)	---	Y	---
41	111104095	---	NOC:Curves and Surfaces (*)	---	Y	---
42	111106097	---	Basic Algebraic Geometry : Varieties, Morphisms, Local Rings, Function Fields and Nonsingularity (*)	---	Y	---

Discipline : Mechanical Engineering

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/mechanical-engineering.pdf>

1	112101002	43	Convective Heat and Mass Transfer	---	Y	---
2	112101004	42	Cryogenic Engineering	Y	Y	Y
3	112101095	40	Advanced Strength of Materials	Y	Y	---
4	112101097	35	Heat and Mass Transfer	Y	Y	Y
5	112101099	40	Robotics	---	Y	---
6	112102014	42	Tribology	Y	Y	Y
7	112102101	51	Computer Aided Design and Manufacturing	Y	Y	Y
8	112102106	41	Project and Production Management	Y	Y	Y
9	112103023	40	Nonlinear Vibration	Y	Y	Y
10	112103025	42	Theory and Practice of Rotor Dynamics	Y	Y	Y
11	112103108	40	Engineering Mechanics	Y	Y	Y
12	112103112	40	Mechanical Vibrations	Y	Y	---
13	112104026	39	Acoustics	---	Y	---
14	112104028	34	Advanced Machining Processes	---	Y	---
15	112104029	38	Biomicroelectromechanical systems	Y	Y	Y
16	112104031	40	Computer Aided Engineering Design	Y	Y	Y
17	112104035	40	Mathematical Methods in Engineering and Science	---	Y	---
18	112104114	44	Dynamics of Machines	Y	Y	Y
19	112104115	38	Finite Element Method	Y	Y	Y
20	112104121	39	Kinematics of Machines	Y	Y	Y
21	112104162	38	Advanced manufacturing process for micro system fabrication	Y	Y	---
22	112104172	40	Engineering Drawing	Y	Y	---
23	112104181	42	NOC:BioMEMS and Microsystems	---	Y	---

24	112105045	43	Computational Fluid Dynamics	Y	Y	Y
25	112105048	40	Machinery fault diagnosis and signal processing	---	Y	---
26	112105051	43	Solar Energy Technology	Y	Y	Y
27	112105053	40	Technology of Surface Coating	---	Y	---
28	112105055	40	Vibration of Structures	Y	Y	---
29	112105123	32	Basic Thermodynamics	Y	Y	Y
30	112105124	40	Design of Machine Elements I	---	Y	---
31	112105126	41	Manufacturing Processes II	Y	Y	Y
32	112105128	46	Refrigeration and Air Conditioning	Y	Y	Y
33	112105171	49	Fluid Mechanics	Y	Y	Y
34	112105182	41	Introduction to Fluid Machines and Compressible Flow	Y	Y	---
35	112105183	58	Introduction to Fluid Mechanics and Fluid Engineering	---	Y	---
36	112106056	40	Advanced Gas Dynamics	---	Y	---
37	112106064	40	Design and Optimization of Energy systems	Y	Y	Y
38	112106065	41	Engineering Fracture Mechanics	Y	Y	Y
39	112106068	41	Experimental Stress Analysis	Y	Y	Y
40	112106073	41	Rocket Propulsion	Y	Y	Y
41	112106130	30	Advanced Finite Elements Analysis	Y	Y	Y
42	112106131	39	Advanced Operations Research	Y	Y	Y
43	112106134	22	Fundamentals of Operations Research	Y	Y	Y
44	112106135	33	Introduction to Finite Element Method	Y	Y	Y
45	112106138	50	Mechanical Measurements and Metrology	Y	Y	Y
46	112106140	26	Principles of Mechanical Measurements	Y	Y	Y
47	112106154	41	Spray Theory and Applications	---	Y	---
48	112106155	46	Conduction And Radiation	---	Y	---
49	112106166	40	Gas Dynamics and Propulsion	---	Y	---
50	112106169	41	Microfluidics	---	Y	---
51	112106170	34	Convective Heat Transfer	---	Y	---
52	112106177	40	Introduction to Explosions and Explosion Safety	Y	Y	---
53	112106180	35	NOC:Engineering Mechanics Statics and Dynamics	Y	Y	---
54	112107078	40	Advanced Manufacturing Processes	Y	Y	Y
55	112107079	43	Computational Fluid Dynamics	---	Y	---
56	112107086	40	Processing of non metals	Y	Y	Y
57	112107087	40	Vibration control	Y	Y	---
58	112107089	40	Welding Engineering	Y	Y	Y
59	112107143	40	Industrial Engineering	Y	Y	---
60	112107145	40	Manufacturing Processes I	Y	Y	---
61	112107147	40	Strength of Materials	Y	Y	Y

62	112108092	40	Micro and Smart Systems	---	Y	---
63	112105187	48	Micro fluidics	---	Y	---
64	112106186	44	NOC:Foundation of Computational Fluid Dynamics	Y	Y	---
65	112104188	48	NOC:Manufacturing Systems Technology	---	Y	---
66	112104189	29	NOC:Manufacturing Systems Technology - Part II	---	Y	---
67	112105047	43	Fundamentals of Industrial Oil Hydraulics and Pneumatics	---	Y	---
68	112105192	41	NOC:Conduction and Convection Heat Transfer	---	Y	---
69	112105197	35	NOC:Vibrations of Structures	---	Y	---
70	112106190	32	NOC:Introduction to Boundary Layers	---	Y	---
71	112104193	48	NOC:Basics of Finite Element Analysis	---	Y	---
72	112106196	48	NOC:Fundamentals of Gas Dynamics	---	Y	---
73	112104194	48	NOC:Basics of Noise and Its Measurements	---	Y	---
74	112104195	48	NOC:Manufacturing Process Technology - Part I	---	Y	---
75	112106198	32	NOC:Experimental Stress Analysis:An Overview	---	Y	---
76	112108201	---	NOC:Variational Methods in Mechanics (*)	---	Y	---
77	112105206	---	NOC:Fluid Machines (*)	---	Y	---
78	112104203	---	NOC:Nature and Property of Materials (*)	---	Y	---
79	112104204	---	NOC:Manufacturing Process Technology - II (*)	---	Y	---
80	112104205	---	NOC:Basics of Finite Element Analysis - II (*)	---	Y	---
81	112107209	---	NOC:Engineering Economic Analysis (*)	---	Y	---
82	112107208	---	NOC:Refrigeration and Air-Conditioning (*)	---	Y	---
83	112107207	---	NOC:Two Phase Flow and Heat Transfer (*)	---	Y	---
84	112106200	---	NOC:Fluid Dynamics and Turbomachines (*)	---	Y	---
85	112103202	---	NOC:Advanced Machining Processes (*)	---	Y	---

Discipline : Metallurgy and Material Science

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/metallurgy-and-material-science.pdf>

1	113104006	41	Electroceramics	Y	Y	Y
2	113104008	40	Fuels Refractory and Furnaces	---	Y	---
3	113104009	39	Introduction to Biomaterials	Y	Y	Y
4	113104010	40	Materials and Energy balance in Metallurgical Processes	Y	Y	Y
5	113104012	40	Optoelectronic Materials and Devices	Y	Y	Y
6	113104013	42	Steel Making	Y	Y	Y
7	113104014	45	Structure of Materials	Y	Y	Y
8	113104061	41	Environmental Degradation of Materials	---	Y	---
9	113105015	47	Advanced ceramics for strategic applications	Y	Y	Y
10	113105021	43	Non-ferrous Extractive Metallurgy	Y	Y	Y
11	113105024	42	Principles of Physical Metallurgy	Y	Y	Y
12	113105025	40	Processing of Semiconducting Materials	Y	Y	Y

13	113105028	40	Science and Technology of Polymers	Y	Y	Y
14	113105057	26	Advanced Materials and Processes	Y	Y	---
15	113106031	31	Advanced Metallurgical Thermodynamics	Y	Y	Y
16	113106039	40	Physics of Materials	Y	Y	Y
17	113106062	40	Electronic Materials, Devices and Fabrication	Y	Y	---
18	113106065	27	NOC:Fundamentals of Electronic Materials and Devices	---	Y	---
19	113106066	11	NOC:Introduction to Reciprocal Space and its use in Solids	---	Y	---
20	113106067	20	NOC:Analysis and Modeling of Welding	---	Y	---
21	113106064	22	NOC:Fundamentals of optical and scanning electron microscopy	---	Y	---
22	113104068	61	NOC:Phase Diagrams in Materials Science and Engineering	---	Y	---
23	113104004	33	Advanced Characterization Techniques	---	Y	---
24	113106034	43	Materials Characterization	---	Y	---
25	113108071	---	NOC:Biomaterials for Bone Tissue Engineering Applications(*)	---	Y	---
26	113104073	---	NOC:Fundamentals of Material Processing - I (*)	---	Y	---
27	113104074	---	NOC:Heat Treatment and Surface Hardening - I (*)	---	Y	---
28	113101072	---	NOC:Phase Field Modelling: The Materials Science, Mathematics and Computational Aspects (*)	---	Y	---
29	113103072	---	NOC:Introduction to Crystal Elasticity and Crystal Plasticity (*)	---	Y	---
30	113106070	---	NOC:Theory and Practice of Non Destructive Testing (*)	---	Y	---

Discipline : Ocean Engineering

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/ocean-engineering.pdf>

1	114105002	49	Elements of Ocean Engineering	Y	Y	---
2	114105003	40	Hydrostatics and Stability	Y	Y	Y
3	114105004	41	Marine Construction and Welding	Y	Y	Y
4	114105005	40	Marine Hydrodynamics	Y	Y	Y
5	114105006	40	Seakeeping and Manoeuvring	Y	Y	Y
6	114105029	27	Applied Thermodynamics for Marine Systems	Y	Y	Y
7	114105030	40	Performance of Marine Vehicles at Sea	Y	Y	Y
8	114105031	36	Strength and Vibration of Marine Structures	Y	Y	---
9	114106011	42	Design of Offshore Structures	Y	Y	---
10	114106015	33	Foundation for Offshore Structures	---	Y	---
11	114106017	35	Health,Safety and Environmental Management in Petroleum and Offshore Engineering	Y	Y	Y
12	114106025	48	Port and Harbour Structures	---	Y	---
13	114106026	17	Ship Resistance and Propulsion	Y	Y	---
14	114106032	37	Coastal Engineering	Y	Y	Y
15	114106033	25	Wave Hydrodynamics	Y	Y	Y
16	114106035	38	Ocean Structures and Materials	Y	Y	Y
17	114106036	49	Dynamics of Ocean Structures	Y	Y	---

18	114106037	53	Advanced Marine Structures	Y	Y	Y
19	114106038	47	NOC:Dynamics of Ocean Structures	---	Y	---
20	114106039	37	NOC:Health, Safety and Environmental Management in Offshore and Petroleum Engineering	---	Y	---
21	114106042	55	NOC:HSE for offshore and petroleum engineers	---	Y	---
22	114106041	58	NOC:Risk and Reliability of offshore structures	---	Y	---
Discipline : Physics						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/physics.pdf						
1	115101005	40	Electromagnetic Theory	---	Y	---
2	115101011	24	Special Theory of Relativity	---	Y	---
3	115102014	42	Electronics	Y	Y	Y
4	115102020	42	Fundamentals and Applications	Y	Y	Y
5	115102022	42	Quantum Electronics	Y	Y	Y
6	115102023	42	Quantum Mechanics and Applications	Y	Y	Y
7	115102026	46	Semiconductor Optoelectronics	Y	Y	Y
8	115104043	43	Nuclear Physics: Fundamentals and Applications	Y	Y	Y
9	115104088	78	NOC:Introduction to Electromagnetism	---	Y	---
10	115105046	39	Astrophysics and Cosmology	---	Y	---
11	115106057	40	Special / Select Topics in Atomic Physics	---	Y	---
12	115106058	39	Classical Field Theory	Y	Y	Y
13	115106059	29	Topics in Nonlinear Dynamics	---	Y	---
14	115106061	58	Condensed Matter Physics	Y	Y	---
15	115106065	38	Quantum Field Theory	Y	Y	---
16	115106066	41	Quantum Mechanics I	Y	Y	---
17	115106068	40	Special / Select Topics in Classical Mechanics	Y	Y	Y
18	115106085	46	Special / Select Topics in the Theory of Atomic Collisions and Spectroscopy	---	Y	---
19	115106086	36	Selected Topics in Mathematical Physics	Y	Y	---
20	115106090	15	NOC: Mechanics, heat oscillations and waves	Y	Y	---
21	115108074	45	Relativistic Quantum Mechanics	Y	Y	Y
22	115106087	30	Nuclear Reactors and Safety- An Introduction	---	Y	---
23	115106089	20	Physical Applications of Stochastic Processes	---	Y	---
24	115106091	36	Nonequilibrium Statistical Mechanics	---	Y	---
25	115104094	---	NOC:Engineering Mechanics (*)	---	Y	---
26	115101092	---	NOC:Quantum Information and Computing (*)	---	Y	---
Discipline : Textile Engineering						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/textile-engineering.pdf						
1	116102034	20	Theory of Yarn Structures	Y	Y	Y
2	116104044	40	Natural Dyes	Y	Y	Y

Discipline : Electronics and Communication Engineering

Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/electronics-and-communication-engineering.pdf>

1	117101001	50	Adv. Digital Signal Processing - Multirate and wavelets	Y	Y	Y
2	117101002	41	Advanced Optical Communication	Y	Y	Y
3	117101050	32	Broadband Networks: Concepts and Technology	Y	Y	Y
4	117101051	32	Digital Communication	Y	Y	---
5	117101053	41	Information Theory and Coding	Y	Y	Y
6	117101056	60	Transmission Lines and EM Waves	Y	Y	Y
7	117102012	40	RF Integrated Circuits	Y	Y	---
8	117102059	41	Communication Engineering	Y	Y	---
9	117102060	43	Digital Signal Processing	Y	Y	---
10	117102062	38	Wireless Communication	Y	Y	Y
11	117103063	40	Basic Electronics	Y	Y	Y
12	117104074	45	Signals and Systems	Y	Y	---
13	117104099	40	Advanced 3G and 4G Wireless Mobile Communications	Y	Y	Y
14	117104104	37	Digital Switching	Y	Y	---
15	117105075	41	Adaptive Signal Processing	Y	Y	---
16	117105078	28	Digital Computer Organization	Y	Y	Y
17	117105079	40	Digital Image Processing	Y	Y	Y
18	117105080	40	Digital Systems Design	Y	Y	---
19	117105081	40	Digital Voice and Picture Communication	Y	Y	Y
20	117105082	32	MEMS and Microsystems	Y	Y	Y
21	117105084	37	Neural Networks and Applications	Y	Y	---
22	117105085	40	Probability and Random Processes	Y	Y	---
23	117105101	40	Pattern Recognition and Application	Y	Y	---
24	117106030	60	Analog IC Design	Y	Y	---
25	117106031	38	Coding Theory	Y	Y	Y
26	117106033	46	Semiconductor Device Modeling	---	Y	---
27	117106034	60	VLSI Data Conversion Circuits	Y	Y	---
28	117106086	40	Digital Circuits and Systems	Y	Y	Y
29	117106087	38	Electronics for Analog Signal Processing - I	Y	Y	Y
30	117106088	39	Electronics for Analog Signal Processing - II	Y	Y	Y
31	117106089	41	High Speed Devices and Circuits	Y	Y	Y
32	117106091	42	Solid State Devices	Y	Y	Y
33	117106092	55	VLSI Circuits	Y	Y	Y
34	117106093	40	VLSI Technology	Y	Y	Y
35	117106101	21	Basic Electrical Circuits	Y	Y	---
36	117106108	150	NOC:Basic Electrical Circuits	---	Y	---

37	117106114	53	NOC:Digital Circuits and Systems	---	Y	---
38	117108038	40	Circuits for Analog System Design	Y	Y	Y
39	117108040	44	Digital System design with PLDs and FPGAs	---	Y	---
40	117108044	42	Error Correcting Codes	Y	Y	Y
41	117108048	42	Pattern Recognition	Y	Y	Y
42	117106111	37	ARM Based Development	---	Y	---
43	117106112	44	Embedded Software Testing	---	Y	---
44	117106109	34	Advanced Logic Synthesis	---	Y	---
45	117106113	43	Linux Programming and Scripting	---	Y	---
46	117104115	50	NOC:Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	---	Y	---
47	117106116	78	NOC:Networks and Systems	---	Y	---
48	117104117	23	NOC:Probability and Random Variables, Processes for Wireless Communications	---	Y	---
49	117108107	39	Analog Circuits and Systems 1	---	Y	---
50	117101106	25	Analog Circuits	---	Y	---
51	117101004	42	Advanced VLSI Design	---	Y	---
52	117101105	29	CMOS Analog VLSI Design	---	Y	---
53	117101119	34	NOC:Microwave Integrated Circuits	---	Y	---
54	117104118	39	NOC:Estimation for Wireless Communications / MIMO / OFDM Cellular and Sensor Networks	---	Y	---
55	117105122	20	NOC:Basic Tools of Microwave Engineering	---	Y	---
56	117108124	24	NOC:Design and Simulation of DC-DC converters using Open Source Tools	---	Y	---
57	117101123	31	NOC:Foundations of Wavelets and Multirate Digital Signal Processing	---	Y	---
58	117104121	18	NOC>Error Control Coding: An Introduction to Linear Block code	---	Y	---
59	117104120	17	NOC>Error Control Coding: An Introduction to Convolutional Codes	---	Y	---
60	117105135	---	NOC:Digital Image Processing (*)	---	Y	---
61	117105133	---	NOC:Audio System Engineering (*)	---	Y	---
62	117105132	---	NOC:Fundamentals of MIMO Wireless Communication (*)	---	Y	---
63	117105131	---	NOC:Satellite Communication Systems (*)	---	Y	---
64	117104128	---	NOC:Digital Switching (*)	---	Y	---
65	117104126	---	NOC:Bayesian/MMSE Estimation for Wireless Communications MIMO / OFDM Cellular and Sensor Networks (*)	---	Y	---
66	117105130	---	NOC:Basic Building Blocks of Microwave Engineering (*)	---	Y	---
67	117105134	---	NOC:Discrete Time Signal Processing (*)	---	Y	---
68	117104129	---	NOC:An Introduction to Information Theory (*)	---	Y	---
69	117104127	---	NOC:Optical Communications (*)	---	Y	---
70	117103125	---	NOC:VLSI Design Verification and test (*)	---	Y	---
Discipline : Nanotechnology						

Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/nanotechnology.pdf						
1	118102003	40	Nano structured materials-synthesis, properties, self assembly and applications	Y	Y	---
2	118104008	45	Nanostructures and Nanomaterials: Characterization and Properties	Y	Y	---
Discipline : Atmospheric Science						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/atmospheric-science.pdf						
1	119106008	41	Introduction to Atmospheric Science	---	Y	---
2	119108004	38	Radiation Heat Transfer	Y	Y	Y
3	119108006	42	The monsoon and its variability	---	Y	---
Discipline : General						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/general.pdf						
1	121104005	40	Introduction to Japanese Language and Culture	---	Y	---
2	121106003	20	Ayurvedic Inheritance of India	Y	Y	Y
3	121104006	5	Astronomy in Ancient, Medieval and Early Telescopic Era of India	---	Y	---
4	121106007	24	NOC:Introduction to Research	---	Y	---
5	121106008	---	NOC:Biology for engineers and other non-biologists (*)	---	Y	---
Discipline : Basic Courses (Semester 1 and 2)						
Video Lecture Topics @ https://linuxbaskar.files.wordpress.com/2015/03/basic-courses-semester-1-and-2.pdf						
1	122102004	16	Applied mechanics	Y	Y	Y
2	122102007	39	Management Science I	---	Y	---
3	122102008	36	Materials Science	---	Y	---
4	122102009	41	Numerical Methods and Computation	Y	Y	Y
5	122104015	31	Engineering Mechanics	Y	Y	---
6	122104016	28	Engineering Physics II	Y	Y	Y
7	122104017	32	Mathematics I	Y	Y	---
8	122105020	22	Human Resource Management-I	Y	Y	Y
9	122105021	13	Leadership	Y	Y	---
10	122105022	29	Management Information System	Y	Y	Y
11	122105023	44	Physics I - Oscillations and Waves	Y	Y	---
12	122105024	11	Strategic Management	Y	Y	Y
13	122106025	40	Basic Electronics and Lab	Y	Y	Y
14	122106027	38	Classical Physics	Y	Y	Y
15	122106028	10	Engineering Chemistry I	Y	Y	Y
16	122106033	38	Numerical methods and programing	Y	Y	Y
17	122106034	31	Quantum Physics	Y	Y	Y
18	122107035	40	Engineering Physics I	---	Y	---
19	122107036	38	Mathematics - II	Y	Y	---
20	122107037	39	Mathematics - III	Y	Y	---
21	122108038	40	Concept of Management and Evolution of Management thought	Y	Y	Y

Discipline : Mining Engineering**Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com/2015/03/mining-engineering.pdf>**

1	123105001	36	Fundamentals of Environmental Pollution and Control	Y	Y	Y
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Discipline : Agriculture**Video Lecture Topics @ <https://linuxbaskar.files.wordpress.com>**

1	126104001	---	NOC:Basic Crop Production Practices (BCPP)	---	Y	---
2	126104002	---	NOC:GIS in Ag-Essentials and Applications (GIS)	---	Y	---
3	126104003	---	NOC:Integrated Pest Management (IPM)	---	Y	---
4	126104004	---	NOC:Nutrition, Therapeutics and Health (NM)	---	Y	---
5	126104005	---	NOC:Weather Forecast in Agriculture and Agro-advisory (WF)	---	Y	---
6	126104006	---	NOC:ICT Basics	---	Y	---

Text Transcription (PDF) of Video Completed for 396 Video Courses as on 27/08/2016

Branch	Video	PDF Available	MP3 Available
Aerospace Engineering	24	14	24
Agriculture	6	0	7
Atmospheric Science	3	1	3
Basic courses(Sem 1 and 2)	21	18	21
Biotechnology	15	8	15
Chemical Engineering	38	24	38
Chemistry and Biochemistry	23	14	24
Civil Engineering	52	42	52
Computer Science and Engineering	74	44	72
Electrical Engineering	44	36	43
Electronics & Communication Engineering	70	38	69
Engineering Design	3	1	3
General	5	1	5
Humanities and Social Sciences	54	21	54
Management	30	17	29
Mathematics	42	21	41
Mechanical Engineering	85	46	85
Metallurgy and Material Science	30	15	30
Mining Engineering	1	1	1
Nanotechnology	2	2	3
Ocean Engineering	22	16	22
Physics	26	14	27
Textile Engineering	2	2	2
Total	672	396	670

Proposal in Brief

Detailed Project Report