Visvesvaraya National Institute of Technology, Nagpur
Registration Form for B. Tech.
Enrollment for Odd Semester for Session 2016-17 (Winter-2016)

Name : _____   **Name of Department :** _____

ID No. : _____   **Enrolment No. :** _____

Contact No. : _____   **SBI A/c No. :** _____

Current Address: _____   **Name of Faculty Advisor :** _____

E-mail : _____   **Scholarship :** _____

Category (if any) : _____

Ist semester B Tech (Admission year 2014 & earlier)

(**Instruction:** please Tick √ appropriately and properly.)

Ist Semester

Applicable for sections – L, R, S, T, U					
Physics Stream					
Course Code	**Course Title**	**Credits**	**Cat.**	**Slot**	**Selection**
AML 151	Engineering Mechanics	6	ES		Yes / No
AMP 151	Engineering Mechanics	2	ES		Yes / No
HUL 101	Communication Skills	6	HM		Yes / No
MAL 101	Mathematics I	8	BS		Yes / No
MEC 101	Engineering Drawing	8	ES		Yes / No
PHL 101	Physics	6	BS		Yes / No
PHP 101	Physics	2	BS		Yes / No
SAC 101	Health Information and Sports-I	0	Audit		Yes / No
	Total	38			

Applicable for sections –N,W, X, Y, Z					
Chemistry Stream					
Course Code	**Course Title**	**Credits**	**Cat.**	**Slot**	**Selection**
CHL 101	Chemistry	6	BS		Yes / No
CHP 101	Chemistry	2	BS		Yes / No
CSL 101	Computer Programming	8	ES		Yes / No
EEL 101	Electrical Engineering	6	ES		Yes / No
EEP 101	Electrical Engineering	2	ES		Yes / No
HUL 102	Social Science	4	HM		Yes / No
MAL 101	Mathematics I	8	BS		Yes / No
MEP 102	Workshop	4	ES		Yes / No
SAC 101	Health Information and Sports-I	0	Audit		Yes / No
	Total	40			

Signature of Student   Signature of Faculty Advisor

Date: Date:

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Visvesvaraya National Institute of Technology, Nagpur
Registration Form for B. Tech.
Enrollment for Odd Semester for Session 2016-17 (Winter-2016)

Name : _____

ID No. : _____

Contact No. : _____

Current Address: _____

E-mail : _____

Name of Department : _____

Enrolment No. : _____

SBI A/c No. : _____

Name of Faculty Advisor : _____

Scholarship : _____

Category (if any) : _____

Ist semester B Tech (Admission Year 2015 onwards)

(**Instruction:** please Tick √ appropriately and properly.)

I[st] **Semester**

Applicable for sections – L, R, S, T, U					
Physics Stream					
Course Code	**Course Title**	**Credits**	**Cat.**	**Slot**	**Selection**
AML 151	Engineering Mechanics	4	ES		Yes / No
AMP 151	Engineering Mechanics	1	ES		Yes / No
HUL 101	Communication Skills	3	HM		Yes / No
MAL 101	Mathematics I	4	BS		Yes / No
MEC 103	Engineering Drawing	3	ES		Yes / No
MEP 103	Engineering Drawing	1	ES		Yes / No
PHL 101	Physics	4	BS		Yes / No
PHP 101	Physics	1	BS		Yes / No
SAP 101	Health Information and Sports-I	0	Audit		Yes / No
	Total	**21**			

Applicable for sections –N,W, X, Y, Z					
Chemistry Stream					
Course Code	**Course Title**	**Credits**	**Cat.**	**Slot**	**Selection**
CHL 101	Chemistry	4	BS		Yes / No
CHP 101	Chemistry	1	BS		Yes / No
CSL 101	Computer Programming	4	ES		Yes / No
EEL 101	Electrical Engineering	4	ES		Yes / No
EEP 101	Electrical Engineering	1	ES		Yes / No
HUL 102	Social Science	2	HM		Yes / No
MAL 101	Mathematics I	4	BS		Yes / No
MEP 101	Workshop	2	ES		Yes / No
SAP 101	Health Information and Sports-I	0	Audit		Yes / No
	Total	**22**			

Signature of Student   Signature of Faculty Advisor

Date: Date:

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Visvesvaraya National Institute of Technology, Nagpur
Registration Form for B. Tech.
Enrollment for Odd Semester for Session 2016-17 (Winter-2016)

Name : _____   Name of Department : _____

ID No. : _____   Enrolment No. : _____

Contact No. : _____   SBI A/c No. : _____

Current Address: _____   Name of Faculty Advisor : _____

E-mail : _____   Scholarship : _____

Category (if any) : _____

Chemical Engineering (Admission year 2014 & earlier)
(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CML 261	Chemical Process Calculations	6	DC	C	YES/NO
CML 262	Fluid Mechanics	6	DC	H	YES/NO
CML 264	Mechanical Operations	6	DC	D	YES/NO
CML 265	Chemical Engineering Thermodynamics – I	6	DC	F	YES/NO
CMP 265	Technical Analysis	2	DC	F	YES/NO
CHL 263	Organic Chemistry and Synthesis	6	DC	G	YES/NO
CHP 263	Organic Chemistry and Synthesis	2	DC	G	YES/NO
CML 211	Material Science and Engineering	6	DE	B	YES/NO
CML 213	Introduction to Computing Softwares for Chemical Engineers	6	DE	A	YES/NO
MAL 205	Numerical Methods & Probability Theory	6	DE	E	YES/NO
	Total				

Vth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CML 301	Mass Transfer II	6	DC	C	YES/NO
CML 302	Chemical Process Modeling and Simulation	6	DC	G	YES/NO
CML 303	Process Control and Instrumentation	6	DC	F	YES/NO
CML 304	Chemical Reaction Engineering II	6	DC	D	YES/NO
CMP 304	Chemical Reaction Engineering II	2	DC	D	YES/NO
CMP 322	Heat Transfer	2	DC	G	YES/NO
CML 383	Advance Heat Transfer	6	DE	E	YES/NO
CML385	New and Renewable Energy Engg.	6	DE	B	YES/NO
CML 389	Chemical Informatics	6	DE	H	YES/NO
	Total				

VIIth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CMD 401	Project Phase I	4	DC	-	YES/NO
CML 403	Plant Design and Economics	6	DC	H	YES/NO
CMP 401	Mass Transfer II	2	DC	B	YES/NO
CMP 453	Design Lab-I	2	DC	C	YES/NO
CML 529	Optimization Techniques in Process Design	6	DE	A	YES/NO
CML 425	Membrane Technology	6	DE	G	YES/NO
CML 426	Polymer Processing	6	DE	F	YES/NO
CML 427	Advanced Separation Process	6	DE	E	YES/NO
CML 428	CFD for Chemical Engineers	6	DE	D	YES/NO
CML 429	Nanotechnology	6	DE	C	YES/NO
CML 537	Sustainble Engineering	6	DE	B	YES/NO
CMP 427	Advanced Separation Process	2	DE	F	YES/NO
CMP 433	Environmental Engineering	2	DE	H	YES/NO
CMP 429	Nanotechnology	2	DE	E	YES/NO
CMP 266	Engineering Drawing & Graphics	2	DE	G	YES/NO
CMP 434	Industrial Waste Treatment	2	DE	D	YES/NO
	Total				

Signature of Student   Signature of Faculty Advisor

Date: Date:

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Visvesvaraya National Institute of Technology, Nagpur
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E-mail : _____   **Scholarship :** _____

                                           Category (if any) : _____

Chemical Engineering (Admission Year 2015-16)

(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CML 201	Chemical Process Calculations	4	DC	C	YES/NO
CML 202	Fluid Mechanics	4	DC	H	YES/NO
CML 203	Mechanical Operations	3	DC	D	YES/NO
CML 204	Chemical Engineering Thermodynamics – I	3	DC	F	YES/NO
CHL 263	Organic Chemistry and Synthesis	3	DC	G	YES/NO
CMP 204	Technical Analysis	1	DC	F	YES/NO
CHP 263	Organic Chemistry and Synthesis	1	DC	G	YES/NO
Any One					
CML 231	Material Science and Engineering	3	DE	B	YES/NO
CML 232	Introduction to Computing Softwares for Chemical Engineers	3	DE	A	YES/NO
MAL 203	Numerical Methods & Computation	3	DE	E	YES/NO
			OC/HM		YES/NO
	Total				

Signature of Student   Signature of Faculty Advisor

Date: Date:

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Visvesvaraya National Institute of Technology, Nagpur
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Current Address: Name of Faculty Advisor :

E-mail :   Scholarship :

                              Category (if any) :

Civil Engineering (Admission year 2014 & earlier)
(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CEL 208	Hydrology	6	DE	H	YES/NO
CEL 216	Soil Mechanics	6	DC	G	YES/NO
CEL 217	Building Materials & Technology	6	DC	F	YES/NO
CEL 218	Surveying I	6	DC	E	YES/NO
CEL 220	Environmental Studies	6	OC	B	YES/NO
CEP 216	Soil Mechanics	2	DC	G	YES/NO
CEP 217	Building Materials & Technology	2	DC	F	YES/NO
CEP 218	Surveying I	2	DC	E	YES/NO
AML 262	Strength of Materials	6	DC	B	YES/NO
AMP 262	Strength of Materials	2	DC	B	YES/NO
MAL 202	Numerical Analysis	6	DE	D	YES/NO
	4DC+1DE+1OC=44 CREDITS Total				

Vth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CEL 303	Environmental Engineering II	6	DC	D	YES/NO
CEL 312	Transportation Engineering	6	DC	E	YES/NO
CEL 313	Concrete Engineering	6	DC	G	YES/NO
CEP 312	Transportation Engineering	2	DC	E	YES/NO
CEP 313	Concrete Engineering	2	DC	G	YES/NO
AML 361	Structural Analysis	6	DC	C	YES/NO
AMP 361	Structural Analysis	2	DC	C	YES/NO
	(Any Two)				
CEL 315	Fluid Mechanics	6	DE	B	YES/NO
CEL 417	Disaster Management	6	DE	A	YES/NO
CEL311	Pavement Design	8	DE	F	YES/NO
CEP 315	Fluid Mechanics	2	DE	B	YES/NO
		6	OC & HM		YES/NO
	4DC+2DE/OC/HM=42 CREDITS Total				

VIIth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CED 401	Project Phase I	4	DC	-	YES/NO
CEL 307	Project Planning & Management	6	DC	D	YES/NO
CEL 409	Quality and Safety in Construction	6	DE	H	YES/NO
CEL419	River Engineering	6	DE	F	YES/NO
CEL422	Hazardous Waste Management	6	DE	C	YES/NO
CEL436	Computer Aided Design and Analysis	6	DE	G	YES/NO
CEL 442	Geotechnical Investigation of Construction Project	6	DE	A	YES/NO
CEL 552	Construction Contracts and Specification	6	DE	C	YES/NO
CEP436	Computer Aided Design and Analysis	2	DE	G	YES/NO
AML424	Structural Dynamics	6	DE	B	YES/NO
AML 461	Advanced Structural Analysis	8	DE	E	YES/NO
AML 462	Elements of Structural Dynamics and Earthquake Engg.	6	DE	B	YES/NO
		6	OC & HM		YES/NO
	1DC+5DE/OC/HM+1Project = 40 CREDITS Total				

Signature of Student   Signature of Faculty Advisor

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Current Address: Name of Faculty Advisor :

E-mail :   Scholarship :

         Category (if any) :

Civil Engineering (Admission Year 2015-16)

(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CEL 201	Soil Mechanics	3	DC	G	YES/NO
CEL 204	Building Materials & Technology	3	DC	F	YES/NO
CEL 207	Surveying I	3	DC	E	YES/NO
CEP 201	Soil Mechanics	1	DC	G	YES/NO
CEP 204	Building Materials & Technology	1	DC	F	YES/NO
CEP 207	Surveying I	1	DC	E	YES/NO
AML 262	Strength of Materials	3	DC	A	YES/NO
AMP 262	Strength of Materials	1	DC	A	YES/NO
CEL 208	Hydrology	3	DE	H	YES/NO
CEL220	Environmental Studies	3	OC	B	YES/NO
MAL 203	Numerical Methods & Computation	4	DE	D	YES/NO
	4DC+1DE+1OC=44 CREDITS **Total**	16			

Signature of Student   Signature of Faculty Advisor

Date: Date:

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Visvesvaraya National Institute of Technology, Nagpur
Registration Form for B. Tech.
Enrollment for Odd Semester for Session 2016-17 (Winter-2016)

Name : _____   Name of Department : _____

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E-mail : _____   Scholarship : _____

Category (if any) : _____

Computer Science & Engineering (Admission year 2014 & earlier)
(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CSL 202	Discrete Mathematics and Graph Theory	8	DC	C	YES/NO
CSL 213	Data Structures and Program Design I	8	DC	B	YES/NO
CSL 224	Introduction to Web Programming	6	DE	D	YES/NO
CSP 201	Software Lab – I	2	DC	A	YES/NO
ECL 209	Digital Circuits and Logic Design	6	DC	G	YES/NO
EEL 210	Electrical Sciences	6	DC	H	YES/NO
MAL 205	Numerical Methods and Probability Theory	6	DC	E	YES/NO
	DC-36;DE-6 (Cumulative 78BS+ES +42=120)				
	Total				

Vth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CSL 303	Introduction to OO Methodology	8	DC	A	YES/NO
CSL 304	Neurofuzzy Techniques	6	DE	C	YES/NO
CSL 305	Computer Graphics	6	DE	B	YES/NO
CSL 306	System Programming	8	DC	D	YES/NO
CSL 307	Theory of Computation	6	DC	H	YES/NO
CSL 312	Operating Systems	6	DC	E	YES/NO
CSL 313	Analysis of Algorithms	6	DC	F	YES/NO
CSP 314	Software Lab – II	2	DC	G	YES/NO
	DC-36;DE-6 (Cumulative78BS+ES+42+42+42=204)				
	Total				

VIIth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CSD 401	Project Phase I	4	DC	-	YES/NO
CSL 408	Topics in Embedded Systems	6	DE	E	YES/NO
CSL 412	Artificial Intelligence	8	DE	H	YES/NO
CSL 431	Introduction to Cloud Computing	6	DE	C	YES/NO
CSL 523	Advanced Computer Architecture	6	DE	G	YES/NO
CSP 438	Software Lab –III	2	DC	D	YES/NO
MAL 407	Statistics & Optimization Techniques	6	DE	B	YES/NO
ECL 445	Digital Signal Processing & it's Applications	6	DE	F	YES/NO
		6	OC/HM		YES/NO
DC:6; DE +OC-HM:36-38(6 DE or 1 OC+5 DE)/7(6DE+1OC)		**42-44**			
78(BS+ES)+(42+42+42+42(42-44) (DC+DE+OC)		**288-290**			

Signature of Student   Signature of Faculty Advisor

Date: Date:

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Registration Form for B. Tech.
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Name :	**Name of Department :**
ID No. :	**Enrolment No. :**
Contact No. :	**SBI A/c No. :**
Current Address:	**Name of Faculty Advisor :**
E-mail :	**Scholarship :**
	Category (if any) :

Computer Science & Engineering (Admission Year 2015-16)

(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
CSL 202	Discrete Mathematics and Graph Theory	4	DC	C	YES/NO
CSL 213	Data Structures and Program Design I	5	DC	B	YES/NO
CSL 226	Digital Circuits and Microprocessor	5	DC	G	YES/NO
CSP 201	Software Lab – I	2	DC	-	YES/NO
MAL 208	Probability and Statistics for Engineering	4	DC	E	YES/NO
CSL 224	Introduction to Web Programming	4	DE	D	YES/NO
	DC5+DE1= Credits 24	24			

Signature of Student   Signature of Faculty Advisor
Date: Date:
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Current Address: _____   Name of Faculty Advisor : _____

E-mail : _____   Scholarship : _____

Category (if any) : _____

Electrical & Electronics Engineering (Admission year 2014 & earlier)
(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course	Credits	Cat.	Slot	Selection
EEL 201	Network Theory	6	DC	D	YES/NO
EEL 202	Signals and Systems	6	DC	E	YES/NO
EEL 204	Measurement and Instrumentation	6	DC	F	YES/NO
EEL 206	Electromagnetics	6	DE	B	YES/NO
EEP 201	Network Theory	2	DC	D	YES/NO
EEP 204	Measurement and Instrumentation	2	DC	F	YES/NO
EEP 209	Programming Technique and Simulation	2	DE	F	YES/NO
ECL 206	Electronics Devices and Circuits	6	DC	G	YES/NO
ECP 206	Electronics Devices and Circuits	2	DC	G	YES/NO
MAL 201	Integral Transform and PDE	6	DC	C	YES/NO
PHL202	Introduction to Material Science	6	DE	H	YES/NO
	Total				

Vth Semester

Course Code	Course Title	Credits	Cat	Slot	Selection
EEL 301	Electrical Power System-I	6	DC	B	YES/NO
EEL 302	Electrical Machine-II	6	DC	H	YES/NO
EEL 305	Control System -I	6	DC	F	YES/NO
EEP 302	Electrical Machine-II	2	DC	H	YES/NO
EEP 305	Control System –I	2	DC	F	YES/NO
EEP 306	Electrical Engg. Workshop	2	DC	D	YES/NO
ECL 321	Microprocessors	6	DC	G	YES/NO
EEL 307	Electrical Machine Design	6	DE	D	YES/NO
EEL 405	Power Station Practice	6	DE	C	YES/NO
	Total				

VIIth Semester

Course Code	Course Title	Credits	Cat	Slot	Selection
EED 401	Project Phase I	4	DC	-	YES/NO
EEL 402	High Voltage Engineering	6	DC	F	YES/NO
EEL 403	Switchgear & Protection	6	DC	C	YES/NO
EEP 402	High Voltage Engineering	2	DC	F	YES/NO
EEP 403	Switchgear & Protection	2	DC	C	YES/NO
EEL 407	Electrical Power Distribution System	6	DE	H	YES/NO
EEL 409	HVDC	6	DE	D	YES/NO
EEL 417	Energy Conservation & Audit	6	DE	A	YES/NO
EEL 421	Power Quality	6	DE	G	YES/NO
	Total				

Signature of Student   Signature of Faculty Advisor

Date: Date:

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E-mail :   **Scholarship :**

                                 Category (if any) :

Electrical & Electronics Engineering (Admission Year 2015-16)

(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course	Credits	Cat.	Slot	Selection
EEL 201	Network Theory	4	DC	D	YES/NO
EEL 202	Signals and Systems	4	DC	E	YES/NO
EEL 204	Measurement and Instrumentation	3	DC	F	YES/NO
EEP 201	Network Theory	1	DC	D	YES/NO
EEP 204	Measurement and Instrumentation	1	DC	F	YES/NO
ECL 206	Electronics Devices and Circuits	3	DC	G	YES/NO
ECP 206	Electronics Devices and Circuits	1	DC	G	YES/NO
MAL 201	Integral Transform and PDE	3	DC	C	YES/NO
Any One					
EEL206	Electromagnetics	3	DE	B	YES/NO
PHL202	Introduction to Material Science	3	DE	H	YES/NO
	DC5 + DE1 = 23				

Signature of Student   Signature of Faculty Advisor

Date: Date:

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                                        Category (if any) :

Electronics & Communication Engineering (Admission year 2014 & earlier)
(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
ECL 201	Electronic Devices	6	DC	E	YES/NO
ECL 202	Digital Logic Design	6	DC	F	YES/NO
ECL 204	Measurement and Instrumentation	6	DC	D	YES/NO
ECP 201	Electronic Devices	2	DC	E	YES/NO
ECP 202	Digital Logic Design	2	DC	F	YES/NO
ECP 204	Measurement and Instrumentation	2	DC	D	YES/NO
EEL 209	Linear Network Theory	6	DC	G	YES/NO
MAL 201	Integral Transforms & PDE	6	DC	C	YES/NO

Vth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
ECL 301	Analog Communication	6	DC	F	YES/NO
ECL 401	Hardware Description Languages	6	DC	H	YES/NO
ECL 405	Wave Guide and Antenna	6	DC	A	YES/NO
ECP 301	Analog Communication	2	DC	F	YES/NO
ECP 401	Hardware Description Languages	2	DC	H	YES/NO
EEL 310	Control Systems	6	DC	G	YES/NO
EEP 310	Control Systems	2	DC	G	YES/NO
ECL 309	Finite Automata	6	DE	D	YES/NO
ECL 310	CMOS Design	6	DE	B	YES/NO
ECL 415	Electronics System Design	6	DE	C	YES/NO
CSL 311	Computer Architecture & Organization	6	DE	E	YES/NO
ECP 309	Finite Automata	2	DE	D	YES/NO

VIIth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
ECD 401	Project Phase I	4	DC	G	YES/NO
ECL 405	Wave Guide and Antenna	6	DC	H	YES/NO
ECP 307	Electronics Products Engineering Workshop	2	DC	H	YES/NO
ECL 402	Communication Net and Net Applications	6	DE	E	YES/NO
ECL 404	RF & Microwave Engineering	6	DE	G	YES/NO
ECL 407	Radar Engineering	6	DE	B	YES/NO
ECL 421	Advanced Sensor and Instrumentation	6	DE	F	YES/NO
ECL 426	Advanced Microprocessor and Interfacing	6	DE	C	YES.NO
ECL 434	Wireless Digital Communication	6	DE	D	YES/NO
ECP 402	Communication Net and Net Applications	2	DE	E	YES/NO
		6	OC/HM		YES/NO
	Total				

Signature of Student   Signature of Faculty Advisor

Date: Date:

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E-mail :	**Scholarship :**	
	Category (if any) :	

Electronics & Communication Engineering (Admission Year 2015-16)

(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
ECL 201	Electronic Devices	4	DC	E	YES/NO
ECL 202	Digital Logic Design	3	DC	F	YES/NO
ECP 201	Electronic Devices	1	DC	E	YES/NO
ECP 202	Digital Logic Design	1	DC	F	YES/NO
EEL 209	Linear Network Theory	3	DC	G	YES/NO
MAL 201	Integral Transforms & PDE	4	DC	C	YES/NO
PHL 203	Electronic Materials	3	DC	H	YES/NO
	DC5 = Credits 19				

Signature of Student   Signature of Faculty Advisor
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Visvesvaraya National Institute of Technology, Nagpur
Registration Form for B. Tech.
Enrollment for Odd Semester for Session 2016-17 (Winter-2016)

Name :   Name of Department :

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                                          Category (if any) :

Mechanical Engineering (Admission year 2014 & earlier)
(**Instruction:** please Tick √ appropriately and properly.)

Vth Semester

Course Code	Course Title	Cr	Cat.	Slot	Selection
MEL 302	Heat Transfer	6	DC	G	YES/NO
MEL 305	Manufacturing Process II	6	DC	F	YES/NO
MEL 306	Machine Drawing	6	DC	B	YES/NO
MEL 308	Energy Conversion II	6	DC	H	YES/NO
MEL417/431/414	Power Plant Engg./ Adv. Mechanism / Tribology	6	DE	E	YES/NO
MEL 421/416	Computational Methods in Engg./ Industrial Robotics	6	DE	D	YES/NO
MEP 302	Thermal Lab	2	DC	G	YES/NO
MEP 305	Manufacturing Process II	2	DC	F	YES/NO
MEP 306	Machine Drawing	2	DC	C	YES/NO
MEP 308	Energy Conversion II	2	DC	H	YES/NO
	Total				

VIIth Semester

Course Code	Course Title	Cr	Cat.	Slot	Selection
MED 401	Project Phase I	4	DC	-	YES/NO
MEL 311	Metrology & Quality Assurance	6	DC	E	YES/NO
MEL 410/ 430/ 432	CAD/ Adv. I.C. Engine / Computer Graphics and Solid Modelling	6	DE	F	YES/NO
MEL 439/ 435 /425 /412/437	Product Design and Development /CFD / Reliability & Maintenance Engg / Air Conditioning / Composite Materials	6	DE	C	YES/NO
MEL 418 /428 /419/ 440	Adv. Stress Analysis / Machine Tool Design / Energy Management / Machine Vision & its Application	6	DE	H	YES/NO
MEL 401 / 403	Control Systems / Operations Research	6	DE	B	YES/NO
MEP 311	Metrology & Quality Assurance	2	DC	E	YES/NO
MEP 410/ 430/ 432	CAD/ Adv. I.C. Engine / Computer Graphics and Solid Modelling	2	DE	F	YES/NO
		6	OC/HM		YES/NO
	Total				

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Category (if any) : _____

Metallurgical & Materials Engineering (Admission year 2014 & earlier)
(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
MML 201	Introduction to Material Science and Engineering	6	DC	C	YES/NO
MMC 203	Engineering Physical Metallurgy	8	DC	F	YES/NO
MMC 205	Testing of Materials	8	DC	H	YES/NO
MMC 207	Mineral Dressing	8	DC	G-	YES/NO
MAL 205	Numerical Methods & Probability Theory	6	DC	E	YES/NO
		6	HM	A/B	YES/NO
	Total				

Vth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
MML 372	Principle of Non Ferrous Extractive Metallurgy	6	DC	G	YES/NO
MML 373	Ferrous Extraction Metallurgy	6	DC	D	YES/NO
MML 371	Metal Working Process	8	DC	F	YES/NO
MMP 372	Principle of Non Ferrous Extractive Metallurgy	2	DC	G	YES/NO
MML 366	Process Optimization	8	DE	E	YES/NO
MML 368	Industrial Metallurgy	6	DE	C	YES/NO
MML 378	Wear of Engineering Materials	6	DE	H	YES/NO
PHL 305	Electrical & Magnetic Materials	6	DE	H	YES/NO
MML 387	Operation Research Techniques	6	DE	C	YES/NO
MML 388	Chemical Characterization of Materials	6	DE	E	YES/NO
MMP 378	Wear of Engineering Materials	2	DE	H	YES/NO
PHP 306	Electrical and Electronic Materials	2	DE	H	YES/NO
	Total				

VIIth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
MMD 401	Project Phase I	4	DC	--	YES/NO
MML 471	Structural Metallurgy	6	DC	D	YES/NO
MML 472	Environmental Degradation	6	DC	G	YES/NO
MMP 471	Structural Metallurgy	2	DC	D	YES/NO
MMP 472	Environmental Degradation	2	DC	G	YES/NO
MML 379	Non Destructive Testing	6	DE	F	YES/NO
MML 443	Metallurgy of Nuclear Materials	6	DE	A	YES/NO
MML 477	Secondary & Special Steel Making	6	DE	H	YES/NO
MML 479	Selection of Materials	6	DE	E	YES/NO
MML 480	Fracture Mechanics	6	DE	F	YES/NO
MML 474	X-Ray Diffraction & Electron Microscopy	8	DE	C	YES/NO
	Total				

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                                                                   Category (if any) :

Metallurgical & Materials Engineering (Admission Year 2015-16)

(**Instruction:** please Tick √ appropriately and properly.)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
MML 201	Introduction to Material Science and Engineering	4	DC	C	YES/NO
MML 203	Engineering Physical Metallurgy	3	DC	F	YES/NO
MML 224	Testing of Materials	3	DC	H	YES/NO
MML 212	Mineral Dressing	3	DC	G	YES/NO
MMP 203	Engineering Physical Metallurgy	1	DC	F	YES/NO
MMP 224	Testing of Materials	1	DC	H	YES/NO
MMP 212	Mineral Dressing	1	DC	G	YES/NO
MAL 203	Numerical Methods & Computation	4	DC	E	YES/NO
	Total	**20**			

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	Category (if any) :

Mining Engineering (Admission year 2014 & earlier)
(**Instruction:** Please Tick √ appropriately and properly)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
MNL 261	Introduction to Mining Technology	6	DC	G	YES/NO
MNL 291	Mechanical Engineering	6	DC	E	YES/NO
MNL 471	Underground Space Technology	6	DE	-	YES/NO
MNL 473	Mine Management Information System	6	DE	-	YES/NO
CEL 284	Geology	6	DC	H	YES/NO
CEP 284	Geology	2	DC	H	YES/NO
		6	HM		YES/NO
		6	OC		YES/NO
	Total				

Vth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
MNL 265	Mine Ventilation & Climate Engineering	6	DC	E	YES/NO
MNL 266	Rock Engineering	6	DC	D	YES/NO
MNL 362	Mining Machinery II	6	DC	B	YES/NO
MNP 265	Mine Ventilation & Climate Engineering	2	DC	F	YES/NO
MNP 266	Rock Engineering	2	DC	D	YES/NO
MNL 468	Advanced Mine Surveying	6	DE	G	YES/NO
MNL 469	Mass Production Technology	6	DE	G	YES/NO
MNP 468	Advanced Mine Surveying	2	DE	G	YES/NO
MML 291	Mineral Processing	6	DE	H	YES/NO
		6	OC/HM		YES/NO
	Total				

VIIth Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
MND 401	Project Phase I	4	DC	-	YES/NO
MNL 480	Surface Mine Environment	6	DC	H	YES/NO
MNL 483	Mining Economics	6	DC	C	YES/NO
MNL 484	Computer Applications in Mining	6	DC	E	YES/NO
MNP 373	Mine Visits	2	DC	A	YES/NO
MNP 480	Surface Mine Environment	2	DC	H	YES/NO
MNP 484	Computer Applications in Mining	2	DC	E	YES/NO
MNL 476	Rock Slope Engineering	6	DE	F	YES/NO
MNL 481	Mine System Engineering	6	DE	G	YES/NO
		6	OC/HM		YES/NO
	Total				

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                                                      Category (if any) :

Mining Engineering (Admission Year 2015-16)

(**Instruction:** Please Tick √ appropriately and properly)

IIIrd Semester

Course Code	Course Title	Credits	Cat.	Slot	Selection
MNL 201	Introduction to Mining Technology	3	DC	G	YES/NO
MEL 291	Mechanical Engineering	3	DC	E	YES/NO
MNL 202	Mine Surveying	4	DC	F	YES/NO
MNL 204	Mining Machinery- I	4	DC	D	YES/NO
MNP 202	Mine Surveying	1	DC	F	YES/NO
MNP 204	Mining Machinery-I	1	DC	D	YES/NO
CEL 284	Mining Geology	3	DC	H	YES/NO
CEP 284	Mining Geology	1	DC	H	YES/NO
		3	OC/ HM		YES/NO
	DC5+OC/H M 1 = 23				

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