



Transcript of Academic Record of **SUDHANSU KUMAR** Roll Number: **13135086**
Bachelor of Technology in MECHANICAL ENGINEERING

B.Tech. Part I			SESSION: 2013-2014		B.Tech. Part II			SESSION: 2014-2015		B.Tech. Part III			SESSION: 2015-2016		B.Tech. Part IV			SESSION: 2016-2017	
Course Code & Name		Credits	Grade Obtained	Course Code & Name		Credits	Grade Obtained	Course Code & Name		Credits	Grade Obtained	Course Code & Name		Credits	Grade Obtained	Course Code & Name		Credits	Grade Obtained
<i>Theory:</i>	SEMESTER - 1			<i>Theory:</i>	SEMESTER - 3			<i>Theory:</i>	SEMESTER - 5			<i>Theory:</i>	SEMESTER - 7			<i>Theory:</i>	SEMESTER - 9		
AM-1102	Mathematics	9	C	ME-2101	Materials Science	12	B-	ME-3101	Manufacturing Engineering II	9	C	ME-4101	Industrial Management	12	A	ME-4102	Computer Aided Design	9	B
AP-1102	Physics	9	C	ME-2102	Strength of Materials	12	C	ME-3102	System Dynamics and Control	9	A	ME-4103	Manufacturing Systems	12	B	ME-4104	Turbomachines	9	B-
AC-1102	Chemistry	9	B	ME-2103	Kinematics of Machines	9	A-	ME-3103	Mechanics of Deformable Solids	12	B-	ME-4105	Computer Integrated Manufacturing systems	9	A-	ME-4113		9	A-
ME-1102	Thermodynamics	9	C	ME-2104	Mechanical Measurements	9	C	ME-3104	Fluid Mechanics	12	A-	ME-4106				ME-4107			
ES-1101	Environmental Studies	8	C	EE-2106A	Electrical Engineering	9	B	ME-3105	Machine Design II	9	B	ME-4108				ME-4109			
PC-1101	Professional Communication	6	C	AM-2106A	Mathematics	9	B												
<i>Practical:</i>				<i>Practical:</i>				<i>Practical:</i>				<i>Practical:</i>			<i>Practical:</i>				
AP-1302	Physics Laboratory	3	B	ME-2301	Machine Drawing/CAD Practical	3	A-	ME-3301	Mechanical Engineering Lab	3	A-	ME-4301	Computer Aided Design Lab	3	B	ME-4302	Project Work	3	A-
AC-1301	Chemistry Laboratory	3	B	ME-2302	Machine Shop Practice	3	A-	ME-3302	Machine Design Practical	3	B	ME-4303	Seminar and Group Discussion	3	B	ME-4304	Practical Project Training	2	A-
Total Credits		59		Total Credits		66		Total Credits		59		Total Credits		62					
Sum of (Credits x Grade Points) obtained in First Semester			396	Sum of (Credits x Grade Points) obtained in Third Semester			489	Sum of (Credits x Grade Points) obtained in Fifth Semester			477	Sum of (Credits x Grade Points) obtained in Seventh Semester			525				
First Semester Performance Index (SPI)			6.71	Third Semester Performance Index (SPI)			7.41	Fifth Semester Performance Index (SPI)			8.08	Seventh Semester Performance Index (SPI)			8.47				
First Semester Course Passed				Third Semester Course Passed				Fifth Semester Course Passed				Seventh Semester Course Passed							
<i>Theory:</i>	SEMESTER - 2			<i>Theory:</i>	SEMESTER - 4			<i>Theory:</i>	SEMESTER - 6			<i>Theory:</i>	SEMESTER - 8			<i>Theory:</i>	SEMESTER - 10		
AM-1201	Mathematics	9	B-	ME-2201	Applied Thermodynamics	12	B	ME-3201	Machine Design-III	9	C	ME-4201	Tool Design	9	B	ME-4202	Fracture mechanics	9	C
AP-1201	Physics	9	A-	ME-2202	Machine Design-I	9	C	ME-3202	Vibrations	9	A-	ME-4203	Refrigeration and Air Conditioning	9	A-	ME-4204	Automobile Engg.	9	A
AC-1201	Chemistry	9	C	ME-2203	Manufacturing Engineering-I	12	B	ME-3203	Heat & Mass Transfer	12	B	ME-4205				ME-4206			
ME-1201	Engineering Mechanics	9	B-	ME-2204	Dynamics of Machines	9	B	ME-3204	I.C Engines	12	B	ME-4207				ME-4208			
AM-1203	Computer Programming & Graphics	11	C	EC-2206A	Electronics and Instrumentation	9	A	ME-3205	Mechatronics	9	A-	ME-4209				ME-4210			
<i>Practical:</i>				<i>Practical:</i>				<i>Practical:</i>				<i>Practical:</i>			<i>Practical:</i>				
AP-1401	Physics Laboratory	3	A	ME-2401	Machine Design Practical	3	B-	ME-3401	Mechanical Engg. Laboratory	3	B	ME-4402	Comprehensive Viva-Voce	2	A	ME-4403	Computational Mechanics Lab	3	A
AM-1401	Computer Laboratory	2	B-	ME-2402	Mechanical Engineering Lab	3	B	ME-3402	Machine Design Laboratory	3	B-								
ME-1401	Engineering Drawing	4	B-	EE-2406A	Electrical Engineering Lab	3	A-	ME-3403	Project	3	B-								
ME-1402	Workshop Practice	3	A-	EC-2406A	Electronics & Instrumentation Lab	1	A-												
Total Credits		59		Total Credits		70		Total Credits		69		Total Credits		41					
Sum of (Credits x Grade Points) obtained in Second Semester			426	Sum of (Credits x Grade Points) obtained in Fourth Semester			552	Sum of (Credits x Grade Points) obtained in Sixth Semester			555	Sum of (Credits x Grade Points) obtained in Eighth Semester			347				
Second Semester Performance Index (SPI)			7.22	Fourth Semester Performance Index (SPI)			7.89	Sixth Semester Performance Index (SPI)			8.04	Eighth Semester Performance Index (SPI)			8.46				
Second Semester and B.Tech. Part I Course Passed				Fourth Semester and B.Tech. Part II Course Passed				Sixth Semester and B.Tech. Part III Course Passed				Eighth Semester and B.Tech. Part IV Course Passed							

Cumulative Performance Index (CPI): 7.77

Bachelor of Technology (B.Tech.) in MECHANICAL ENGINEERING: PASSED

(Refer backside for legend)

(Signature)

Mitru Dutt
9/6/17

It is verified that the above statements are correct.

Checked and Verified by:

Signature
ASSISTANT REGISTRAR (ACADEMIC)
Indian Institute of Technology (IIT) Varanasi

Signature
Siddhant Kumar
Indian Institute of Technology
Banaras Hindu University

LEGEND

Grade	Grade Point	Academic Performance
A*	10	Outstanding (extraordinarily high level of learning)
A	10	Excellent
A-	09	Very Good
B	08	Good
B-	07	Very Fair
C	06	Fair
C-	05	Poor (but pass grade for the course)
F	00	Fail (extremely low level of learning)
S	--	Satisfactory
X	--	Unsatisfactory
I	--	Incomplete
T	--	Waiver/Transfer
Z	0	Deregistered from the Course due to insufficient attendance

Grade 'T' stands for waiver/transfer for the work done at the other Institute/ University/ Organization.

The Semester Performance Index (SPI) is a weighted average of the grade points earned by a student in courses credited and describes his/her academic performance in a semester. If the grade points associated with the letter grades awarded to a student are G_1, G_2, G_3, G_4 , and G_5 in five courses and the corresponding credits are C_1, C_2, C_3, C_4 , and C_5 , the SPI is given by:

$$SPI = \frac{C_1 \times G_1 + C_2 \times G_2 + C_3 \times G_3 + C_4 \times G_4 + C_5 \times G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

The Cumulative Performance Index (CPI) indicates the overall academic performance of a student in all the courses registered up to and including the latest completed semester/summer term. It is computed in the same manner as the SPI.

In the computation of both SPI and CPI, courses with S, X and T grades are ignored.

From SPI, CPI the equivalent average percentage of marks may be obtained by using the following formula

$$X = 10Y$$

Where, X is the equivalent average percentage of marks and Y is the SPI, CPI, as the case may be