



झारखण्ड केन्द्रीय विश्वविद्यालय

Central University of Jharkhand

(Established by an Act of Parliament of India, 2009)

CONSOLIDATED GRADE TRANSCRIPT

Ranchi

Name : **Ratan Kaber**
 Mother's Name : **Ranjukta Sahoo**
 Father's Name : **Anil Kumar Sahoo**

Registration No. : **CUJ/J/2012/EE/23**
 Course Completed : **Five Year Integrated M. Tech. in Energy Engineering I to X**
 Semester :



Course Code	Title of the Course	Credits	Letter Grade	Numeric Grade Point
Semester-I				
MAVT110010	Engineering Mathematics-I	3	C	7
PHVT110021	Engineering Physics-I	3	C	7
ENVT110030	Engineering Chemistry-I	3	C	7
ENVT110040	Engineering Mechanics-I	3	C	7
ENVT110050	Environmental Studies	3	C	7
PHVT120060	Physics Lab	1	A	9
ENVT120070	Engineering Metallurgy Lab	1	B	8
ENVT120080	Engineering Drawing and Graphics	1	K	7
ENVT120090	Computer Programming & Data Structure	1	C	7
COM112130	Computer Programming Lab	1	C	7
Semester-II				
MAVT120010	Engineering Mathematics II	3	E	5
PHVT120020	Engineering Physics II	3	C	7
ENVT120030	Engineering Chemistry II	3	C	7
ENVT120040	Basics of Electrical Engineering	3	C	7
PHVT120050	Basics of Electrical Engineering Lab	1	B	8
ENVT120060	Engineering Physics III Lab	1	C	7
ENVT120070	Engineering Chemistry III Lab	1	B	8
ENVT120080	Engineering Thermodynamics	1	C	7
ENVT120090	Basics of Electrical Engineering Lab	1	A	9
ENVT120100	Workshop Practice	1	A	9
Semester-III				
ENVT130010	Fluid Mechanics	4	D	6
ENVT130020	Steam Power System	4	E	5
ENVT130030	Basics of Electronics	4	C	7
ENVT130040	Basics of Electronics Lab	1	S	10
ENVT130050	Diameter Measurement Lab	1	D	6
ENVT130060	Thermodynamic and Network	1	D	6
ENVT130070	Electric Circuit Theory and Network Lab	1	C	7
ENVT130080	Engineering Mathematics III	1	C	7
ENVT130090	Introduction to Renewable Energy Resources	1	O	4
ENVT130100	Fluid Mechanics Lab	1	A	9
Semester-IV				
ENVT140010	Conventional Power Generation System	4	B	8
ENVT140020	I.C Engine and Gas Turbine	4	C	7
ENVT140030	Measurement and Instrumentation	4	D	6
ENVT140040	Measurement and Instrumentation Lab	1	O	4
ENVT140050	Theory of Machines	4	A	9
ENVT140060	Numerical Methods and Computational Techniques	4	A	9
ENVT140070	I.C Engine and Gas Turbine Lab	1	A	9
ENVT140080	Conventional Power Generation Lab	1	A	9
ENVT140090	Conventional Power Generation Lab	1	A	9
ENVT140100	Industrial Visit to any conventional Power Plant	1	A	9
Total Credits				254
Semester-V				
ENVT150010	Heat and Mass Transfer	4	D	6
ENVT150020	Electromagnetic Energy Conversion	4	C	7
ENVT150030	Power Electronics Lab	1	C	7
ENVT150040	Refrigeration & Air Conditioning	4	C	7
ENVT150050	Refrigeration & Air Conditioning Lab	1	C	7
ENVT150060	Educational Tour or Conduction Lab	1	C	7
ENVT150070	Electromagnetic Energy Conversion Lab	1	S	10
ENVT150080	Rural Energy Technology	1	S	10
ENVT150090	Rural Energy Technology Lab	1	S	10
Semester-VI				
ENVT160010	Solar Thermal Technology	3	E	5
ENVT160020	Fuel & Combustion Technology	3	O	4
ENVT160030	Electrical Power Systems	3	C	7
ENVT160040	Energy Management	3	O	4
ENVT160050	Advanced Design for Energy Application	3	C	7
ENVT160060	Fuel and Combustion Technology Lab	1	C	7
ENVT160070	Electrical Power System Lab	1	C	7
Semester-VII				
ENVT170010	Solar Photovoltaic Technology	3	C	7
ENVT170020	Electromagnetic Energy Conversion	3	B	8
ENVT170030	Solar Photovoltaic Technology Lab	1	B	8
ENVT170040	Electromagnetic Energy Conversion Lab	1	B	8
ENVT170050	Project for Energy Innovation	1	C	7
ENVT170060	Wind Energy Technology Lab	1	C	7
ENVT170070	Wind Energy Technology Lab	1	C	7
ENVT170080	Industrial Training & Service	1	S	10
Semester-VIII				
ENVT180010	Energy System Modeling & Analysis	3	B	8
ENVT180020	Emerging Renewable Energy Resources	3	B	8
ENVT180030	Energy Environment and Climate Change	3	B	8
ENVT180040	Energy Efficient Building	3	B	8
ENVT180050	Project on Energy Innovation and Services	1	B	8
Semester-IX				
ENVT190010	Human Values and Professional Ethics	3	B	8
ENVT190020	Project of Phase-I & Service	3	B	8
ENVT190030	Smart Grid & Hybrid Systems	3	B	8
ENVT190040	Alternative Fuels and Transportation	3	B	8
ENVT190050	Project-II, Phase-II & Service	3	B	8
ENVT190060	Green View	3	B	8

Cumulative Grade Point Average (CGPA) : **7.70** (Seven point Seven Zero)
 Division : **1st Division**
 Final result declared on : **25th July 2017**
 Date :

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 Central University of Jharkhand