VJTI MUMBAI
वीरमाता जिजाबाई तंत्रज्ञान संस्था
Veermata Jijabai Technological Institute
(Autonomous Institute of Govt. of Maharashtra)
H. R. Mahajani Road, Matunga (East), Mumbai - 400 019
Phone:+91 22 24198101/102 • Fax:+91 22 24102874 • www.vjti.ac.in

An Autonomous Institute Affiliated to University of Mumbai

Ref: TRANS/UG/385/2022

Official Transcript of Academic Record of

BHILARE OMKAR ANANDA

REG. NO. 191060901

28 OCT 2022

Year of Admission: 2019 – 2020
Admitted to: Direct Second year in Bachelor of Technology (B. Tech.) in Electronics Engineering
Duration of the Programme: 8 Semesters (4 Years)

Year of Graduation: 2021 – 2022
Cumulative Performance Index: **9.13**

- Veermata Jijabai Technological Institute (known as Victoria Jubilee Technical Institute prior to January 26, 1997) was established in 1887 and is one of the premier Institutes in India. The Institute conducts various diploma, post-diploma, graduate and post graduate programmes in the fields of Civil, Computer, Electrical, Electronics, Production, Mechanical, Textile and Information Technology and related fields.

- The admission to the diploma programmes are strictly on merit based on their Secondary School Certificate examination.
  The admissions to the undergraduate degree programmes are strictly on merit based on the state level test conducted by the State Government of Maharashtra after their Higher Secondary Certificate examination.
  Candidates who complete their Diploma, a three-year programme after Secondary School Certificate examination, are also admitted directly to the second year of the undergraduate degree programmes strictly on merit.
  The admissions to the postgraduate programmes are strictly on merit based on GATE examination conducted by IIT.

- The Institute has been awarded status of Autonomous Institute since 2004-2005. The Institute is affiliated to University of Mumbai (known as University of Bombay prior to 1996). The Degree is conferred by the University of Mumbai.

- The medium of instruction at this institute is **English**.

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE MATUNGA MUMBAI - 19

Controller of Examinations
Degree

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Semester-wise Performance:

Semester	III	IV	V	VI	VII	VIII
CPI	9.13	9.30	9.03	9.03	9.09	9.13
SPI	9.13	9.48	8.45	9.05	9.33	9.35

Sem.	Course Code	Course Name	Hr/Week			Cr	Examination Scheme (Evaluation in % Weightage)					ESE Hrs.	Obtained Grade	
			L	T	P		TA / ISCE %	IST / MST %	ESE %	CIE %	Total		Grade	Grade Points
III	R4MA2003S	Mathematics for Electrical Engineers – I	3	0	0	3.00	20	20	60	-	100	3	BB	8
III	R4EC2001S	Electrical Networks	3	0	0	3.00	20	20	60	-	100	3	AB	9
III	R4EC2002T	Electronics Circuit Analysis and Design – I	3	0	0	3.00	20	20	60	-	100	3	AA	10
III	R4EC2003T	Digital Combinational Circuits	3	0	0	3.00	20	20	60	-	100	3	AA	10
III	R4EC2004T	Numerical Techniques	2	0	0	2.00	20	20	60	-	100	3	AB	9
III	R4EC2005T	Python Engineering	3	0	0	3.00	20	20	60	-	100	3	AB	9
III	R4EC2002P	Electronics Circuit Analysis and Design – I Lab	0	0	4	2.00	60	-	40	-	100	2	AA	10
III	R4EC2003P	Digital Combinational Circuits Lab	0	0	4	2.00	60	-	40	-	100	2	BB	8
III	R4EC2005P	Python Engineering Lab	0	0	4	2.00	60	-	40	-	100	2	AB	9
III	R4CH2001A	Environmental Studies	1	0	1	0.00	60	-	40	-	100	2	PP	-
IV	R4MA2013S	Mathematics for Electrical Engineers – II	3	0	0	3.00	20	20	60	-	100	3	AB	9
IV	R4EC2011S	Signals and Systems	3	0	0	3.00	20	20	60	-	100	3	AB	9
IV	R4EC2012T	Digital Sequential Circuits	3	0	0	3.00	20	20	60	-	100	3	AA	10
IV	R4EC2013T	Electronics Circuits Analysis and Design - II	3	0	0	3.00	20	20	60	-	100	3	AB	9
IV	R4EC2014T	Measurements and Instrumentation	2	0	0	2.00	20	20	60	-	100	3	AB	9
IV	R4EC2015T	Microprocessor and Microcontroller	3	0	0	3.00	20	20	60	-	100	3	AA	10
IV	R4EC2012P	Digital Sequential Circuits Lab	0	0	2	1.00	60	-	40	-	100	2	AA	10
IV	R4EC2013P	Electronics Circuits Analysis and Design – II Lab	0	0	2	1.00	60	-	40	-	100	2	AA	10
IV	R4EC2014P	Measurements and Instrumentation Lab	0	0	2	1.00	60	-	40	-	100	2	AA	10
IV	R4EC2015P	Microprocessor and Microcontroller Lab	0	0	2	1.00	60	-	40	-	100	2	AA	10
IV	R4EC2016A	Appreciation of Music	1	0	2	0.00	60	-	40	-	100	2	PP	-

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Sem.	Course Code	Course Name	Hr/Week			Cr	Examination Scheme (Evaluation in % Weightage)					ESE Hrs.	Obtained Grade	
			L	T	P		TA / ISCE %	IST / MST %	ESE %	CIE %	Total		Grade	Grade Points
V	R4EC3003S	Principles of Communication Systems	3	1	0	4.00	20	20	60	-	100	3	BB	8
V	R4EC3002S	Electromagnetic Field and Waves	3	0	0	3.00	20	20	60	-	100	3	BB	8
V	R4EC3004T	Analog Integrated Circuits	3	0	0	3.00	20	20	60	-	100	3	AA	10
V	R4EC3005T	Microprocessor Systems	3	0	0	3.00	20	20	60	-	100	3	AB	9
V	R4EC3001T	Digital Signal Processing	3	0	0	3.00	20	20	60	-	100	3	BC	7
V	R4EC3004P	Analog Integrated Circuits Lab	0	0	2	1.00	60	-	40	-	100	2	AB	9
V	R4EC3005P	Microprocessor Systems Lab	0	0	2	1.00	60	-	40	-	100	2	BC	7
V	R4EC3001P	Digital Signal Processing Lab	0	0	2	1.00	60	-	40	-	100	2	AA	10
V	R4EC3007L	Electronic Engineering Practice	0	0	2	1.00	60	-	40	-	100	2	AB	9
V	R4EC3008A	Financial Planning, Taxation and Investment	2	0	0	0.00	-	-	-	100	100	-	PP	-
VI	R4EC3011S	Control System	3	0	0	3.00	20	20	60	-	100	3	BB	8
VI	R4EC3012T	Data Science	2	0	0	2.00	20	20	60	-	100	3	BB	8
VI	R4EC3013T	Power Electronics	3	0	0	3.00	20	20	60	-	100	3	AA	10
VI	R4EC3101T	Image & Video Processing	3	0	0	3.00	20	20	60	-	100	3	AB	9
VI	R4IT3601S	System Administration	3	0	0	3.00	20	20	60	-	100	3	AB	9
VI	R4EC3012P	Data Science Lab	0	0	2	1.00	60	-	40	-	100	2	AA	10
VI	R4EC3013P	Power Electronics Lab	0	0	2	1.00	60	-	40	-	100	2	AA	10
VI	R4EC3016L	Electronics in Service to Society	2	0	2	3.00	60	-	40	-	100	2	AA	10
VI	R4HM3002L	Professional Communication Skills	1	0	2	2.00	60	-	40	-	100	2	BB	8
VI	R4EC3101P	Image & Video Processing Lab	0	0	2	1.00	60	-	40	-	100	2	AB	9
VII	R4EC4901D	Project I	0	0	4	2.00	-	-	-	100	100	-	AA	10
VII	R4EC4004A	Information Technology Act	3	0	0	0.00	60	-	40	-	100	2	PP	-
VII	R4EC4003P	Embedded Systems Lab	0	0	2	1.00	60	-	40	-	100	2	AB	9
VII	R4EC4101P	Neural Network and Fuzzy Systems Lab	0	0	2	1.00	60	-	40	-	100	2	AB	9
VII	R4EC4701I	Internship	0	0	4	2.00	60	-	40	-	100	-	AA	10
VII	R4EC4001S	Computer Communication and Networking	3	0	0	3.00	20	20	60	-	100	3	BB	8
VII	R4EC4002S	Principles of VLSI	3	0	0	3.00	20	20	60	-	100	3	AA	10

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Sem.	Course Code	Course Name	Hr/Week			Cr	Examination Scheme (Evaluation in % Weightage)					ESE Hrs.	Obtained Grade	
			L	T	P		TA / ISCE %	IST / MST %	ESE %	CIE %	Total		Grade	Grade Points
VII	R4EC4003T	Embedded Systems	3	0	0	3.00	20	20	60	-	100	3	AA	10
VII	R4EC4101T	Neural Network and Fuzzy Systems	3	0	0	3.00	20	20	60	-	100	3	AB	9
VII	R4CO4602S	Data Structures	3	0	0	3.00	20	20	60	-	100	3	AB	9
VIII	R4EC4011S	Microcomputer System Design	3	0	0	3.00	20	20	60	-	100	3	AA	10
VIII	R4EC4012S	Microwave and Optical Communication	3	0	0	3.00	20	20	60	-	100	3	BB	8
VIII	R4EC4013S	Wireless Communication Systems	3	0	0	3.00	20	20	60	-	100	3	BB	8
VIII	R4EC4112S	Computer and Network Security	3	0	0	3.00	20	20	60	-	100	3	AA	10
VIII	R4EC4123T	Natural Language Processing	3	0	0	3.00	20	20	60	-	100	3	AA	10
VIII	R4EC4123P	Natural Language Processing LAB	0	0	2	1.00	60	-	40	-	100	2	AB	9
VIII	R4EC4902D	Project II	0	0	8	4.00	-	-	-	100	100	-	AA	10

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1. Abbreviations:

L – Lectures hour per week	P – Practical hour per week, T – Tutorial hour per week
Cr – Credits	TA / ISCE – Teacher Assessment / In Semester Continuous Evaluation
ESE – End Semester Written Examination	IST / MST – In Semester Tests / Mid Semester Test
SPI – Semester Performance Index	ESE(Hrs.) – End Semester Written Examination (Duration)
CPI – Cumulative Performance Index	CIE – Continuous In-Semester Evaluation

Industry – Academia Interaction: Wednesday afternoon slot will be used. Module or broad subject outline will be decided by the course coordinator. Lectures as per module in the defined areas of eminent personalities from industry or academia will be arranged. Assessment will be done on the attendance of the students for the module. More than 75%: Attended, otherwise: Not Attended – F.Y.B.Tech. More than 60%: Attended, otherwise: Not Attended – S.Y.B.Tech onwards...
E – Library/Internet: Every theory course must have at least one assignment or case-study which requires exhaustive internet search/support.

2. Credit System
Each course has a credit associated with it. For a theory course, one lecture hour carries 1 credit, and a lab course is of 0.5 credits.

3. Performance Evaluation System and Award of Grades
At the end of every semester, a student is awarded a grade based on his / her performance in every course registered by him / her. These grades are described by the letter AA, AB, BB etc. and have a numerical equivalent called the grade points as given below.

AA	AB	BB	BC	CC	CD	DD	FF
10	9	8	7	6	5	4	0
Outstanding	Excellent	Very Good	Good	Satisfactory	Average	Marginal	Very Weak

Other grades like: II: Incomplete due to non-appearance in ESE, eligible for re-exam, RR: Eligible for repeat course due to lack of attendance, PP / NP: Pass / Not Pass, & AU: Audit Course.

Most recent grade for the course shall be taken into account for the computation of SPI / CPI

Semester Performance Index (SPI) measures the performance of a student in a particular semester, which is weighted average for the grades secured in all the courses taken in a semester.

Example:

A student has registered for 10 courses in a Semester, out of which three are 3 credits, one is 0 credit, one is 4 credit, one is 5 credit and four are 1.5 credit courses i.e. a total of
(3x3 + 1x0 + 1x4 + 1x5 + 4x1.5) 24 credits.
If the student secures BB, BC, AA, DD, BC, BB, AB, AA, AB, BB grades respectively in these courses, SPI will be calculated as;
SPI = (3x8 + 3x7 + 3x10 + 0x4 + 4x7 + 5x8+ 1.5x(9+10+9+8)) / 24 = 8.21

Cumulative Performance Index (CPI) measures the performance of a student from the start of the programme till the end of a particular semester, taking into account performances in all courses passed by a student up to the semester for which the CPI is calculated.

Minimum passing grade in a course is DD for all Undergraduate and Postgraduate Programmes.

A student with grade FF / II is entitled for up to four additional examination attempts. If the student does not pass in these, he / she has to repeat the course, whenever it is offered next.

The Institute follows relative grading system on a scale of 10.0, which cannot be converted into any other scale or percentage. However, as indicated by All India Council for Technical Education, New Delhi, a statutory body of Ministry of Human Resources Development, Government of India, equivalent percentage of marks for CPI can be obtained using following equation, if required.

$$\text{Equivalent Percentage} = (\text{CPI} - 0.75) \times 10$$

A CPI of 6.75 or more at the end of programme is considered equivalent to a First Class.

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