

Details			Course Under 2021 Scheme		Equivalent Course under the 2022 scheme with syllabus content matching over 60%	
Scheme	Semester	Branch	SubjectCode	Subject Name	Sub Code	Subject Name
2021	3	AR	21AR32	Manufacturing Technology		No Equivalent Course
2021	3	AR	21AR33	Analog and Digital Electronics Circuit	BRA303	Analog & Digital Electronic Circuits
2021	3	AR	21AR34	Mechanics of Solids and Fluids	BRA304	Mechanics of Solids & Fluids
2021	3	AR	21ARL35	Robotic Systems Drawing and standards	BMEL305	Introduction to Modelling and Design for Manufacturing
2021	3	AR	21SCR36	Social Connect and Responsibility	BSCK307	Social Connect & Responsibility
2021	3	AR	21AR381	Introduction to Python	BRA358A	Introduction to Python
2021	3	AR	21AR382	Introduction to Virtual Reality	BRA358C	Fundamentals of Virtual Reality APP Development
2021	3	AR	21AR383	Spreadsheet for Engineers		No Equivalent Course
2021	3	RA	21RA384	Data Structures with C (1 Credit - MCQ - 1Hr Exam)	BRA306D	Data Structure & Applications (3 Credit - Descriptive - 3Hr Exam)
2021	3	AR	21MATDIP31	Additional Mathematics - I		No Equivalent Course

Scheme	Semester	Branch	SubjectCode	Subject Name	Sub Code	Subject Name
2021	4	AR	21AR42	Measurement Systems	BRA401	Measurement Systems
2021	4	AR	21AR43	Microcontrollers	BRA402	Microcontrollers
2021	4	AR	21AR44	Robot Kinetics, Dynamics & Control	BRA403	Robot, Kinematics, Dynamics, and control
2021	4	AR	21BE45	Biology for Engineers	BBOK407	Biology for Engineers
2021	4	AR	21ARL46	Robot Programming & Simulation Lab	BRAL404	Robot Programming & Simulation Lab
2021	4	AR	21AR481	Introduction to AI & ML	BRA456A	Introduction to AI & ML
2021	4	AR	21AR482	Applications of MATLAB/SILAB/OCTANE	BRA358B	Applications of MATLAB
2021	4	AR	21AR483	Applications of Raspberry Pi Controllers	BRA456D	Introduction to Raspberry Pi Controllers
2021	4	AR	21UH49	Universal Human Values	BUHK408	Universal Human Values
2021	4	AR	21INT49	Inter/Intra Institutional Internship		No Equivalent Course
2021	4	AR	21MATDIP41	Additional Mathematics - II		No Equivalent Course

Scheme	Semester	Branch	SubjectCode	Subject Name	Sub Code	Subject Name
2021	5	AR	21AR51	Design of Automation Systems		No Equivalent Course
2021	5	AR	21AR52	Hydraulics and Pneumatic	BRA502	Hydraulics and Pneumatics
2021	5	AR	21AR53	Autonomous Robots		No Equivalent Course
2021	5	AR	21AR54	Robot Operating Systems		No Equivalent Course
2021	5	AR	21ARL55	Virtual Instrumentation and Automation Lab	BRAL504	Virtual Instrumentation and Automation Lab
2021	5	AR	21RMI56	Research Methodology & Intellectual Property Rights	BRMK557	Research Methodology and IPR
2021	5	AR	21CIV57	Environmental Studies	BESK508	Environmental Studies
2021	5	AR	21AR581	Medical Robotics		No Equivalent Course
2021	5	AR	21AR582	Deep Learning for Computer Vision		No Equivalent Course
2021	5	AR	21AR583	Mobile Robotics		No Equivalent Course

Scheme	Semester	Branch	SubjectCode	Subject Name	Sub Code	Subject Name
2021	6	AR	21RA61	Quality Control Process and Maintenance Management	BRA601	Quality Control Process and Maintenance Management
2021	6	AR	21RA62	PLC & SCADA		No Equivalent Course
2021	6	AR	21RA63	Industry 4.0 and IOT		No Equivalent Course

2021	6	AR	21RA641	Neural Network and Fuzzy Logic Systems		No Equivalent Course
2021	6	AR	21RA642	Micro Robotics		No Equivalent Course
2021	6	AR	21RA643	Fluid Power Automation		No Equivalent Course
2021	6	AR	21RA644	Automation in Manufacturing		No Equivalent Course
2021	6	AR	21RA651	Fundamentals of Robotics		No Equivalent Course
2021	6	AR	21RA652	Introduction to PLC		No Equivalent Course
2021	6	AR	21RAL66	FEA Lab	BRAL606	FEA Lab
2021	6	AR	21RAMP67	Mini Project	BRA586	Mini Project
2021	6	AR	21INT68	Societal Internship		No Equivalent Course