

DON BOSCO COLLEGE OF ENGINEERING

MECHANICAL DEPARTMENT FACILITIES

CNC CENTER

Supported by NSTEDB, DST, Govt. of India, Turbocam International & FiRE



CNC Center				
Sl. No.	Asset Name	Qty.	Cost	Remarks
1.	CNC Milling Machine - HAAS Super VF 2	01	-	Donated by Turbocam International
2.	CNC Turning Machine - GEDEE WEILER	01	14,50,000/-	-
3.	MasterCAM Software	3 users	-	-
4.	Workstations	03	2,08,270/-	-

ADVANCED WELDING LAB

Supported by Putzmeister Concrete Machines Pvt. Ltd.



Advanced Welding Lab			
Sl. No.	Asset Name	Qty.	Remarks
1.	Portable Welding Machine - TPSi 320 C (Compact)	01	Donated by Putzmeister Concrete Machines Pvt. Ltd.
2.	TIG Welding Machine - Magicwave 230i	01	
3.	MIG Welding Machine - Transpocket 150	01	

RESEARCH LABORATORY

Supported by Turbocam India Pvt. Ltd



Research Laboratory (Supported by Turbocam India Pvt. Ltd.)			
Sl. No.	Asset Name	Qty.	Cost
1.	Flashforge Finder – 3D Printer	01	45,430/-
2.	Minitab 18 Software	01	48,734/-
3.	Image Processing Kit	01	1,47,651 /-
4.	Robotics Kit (Arduino Platform)	01	30,924 /-

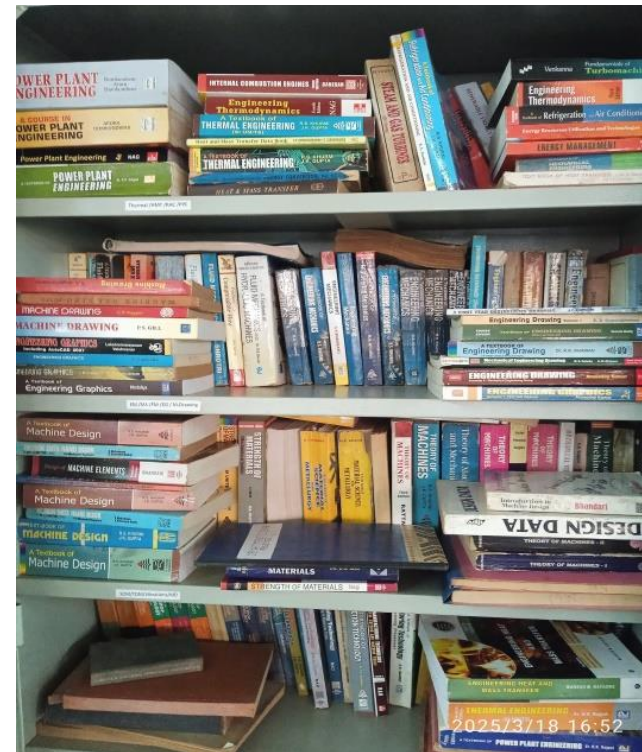
BMW SKILL-NEXT CENTER

Supported by BMW India Pvt. Ltd



BMW SKILL-NEXT CENTER	
Sl. No.	Asset Name
1.	BMW Twin Power Turbo in-line 4-cylinder 2.0 Litre diesel engine
2.	BMW Eight-Speed Steptronic Automatic Transmission

DEPARTMENT LIBRARY



Mr. Dattaguru, lab assistant of thermal lab is in charge of the department library, and he will issue books to the students for a 15-day period and record their details like name, class, mob no, name of the book issued with date etc in a separate register.

List of books available

Sr. No	Title of the book	Author	No.Of copies
1	ENG. THERMODYNAMICS(2ND EDN)	P.K.NAG	2
2	ENG. THERMODYNAMICS(3RD EDN)	P.K.NAG	1
3	ENG. THERMODYNAMICS	YVC RAO	1
4	ENG. THERMODYNAMICS	S.K. GUPTA	1
5	APPLIED THERMODYNAMICS I(1ST EDN)	P.B JOSHI/U.S.TUMNE	1
6	BASIC ENG. THERMODYNAMICS	A.VENKATESH	1
7	APPLIED THERMODYNAMICS	Dr. SADHU SINGH	1
8	BASIC ENG. THERMODYNAMICS	RAYNER JOEL	1
9	APPLIED THERMODYNAMICS FOR ENG. TECHNOLOGIST	T.D.EASTOP	1
10	THERMODYNAMICS(A CORE COURSE)	R.C SRIVASTAVA/SUBIT K SAHA	1
11	APPLIED THERMODYNAMICS II	U.S.TUMNE/G.K.PATHAK	1
12	HEAT & MASS TRANSFER(6TH EDN)	C.P.KOTHANDARAMAN/SUBRAMANYAN	1
13	HEAT & MASS TRANSFER	S. DOMKUNDWAR	1
14	HEAT & MASS TRANSFER(4TH EDN)	C.P.KOTHANDARAMAN/SUBRAMANYAN	2
15	HEAT TRANSFER	D.S.PAVASKAR/S.H.CHAUDHARI	1
16	HEAT & MASS TRANSFER	R.K.RAJPUT	1
17	I.C.ENGINES(3RD EDN)	V.GANESAN	2
18	I.C.ENGINES	M.L.MATHUR/R.P.SHARMA	1
19	I.C.ENGINES	M.L.MATHUR/R.P.SHARMA	2
20	AUTOMATIC CONTROL OF I.C.ENGINES	V.I.KRUTOV	1
21	THERMAL ENG.(2008)	R.S.KHURMI/Y.K.GUPTA	1
22	THERMAL ENG.(2012)	R.S.KHURMI/Y.K.GUPTA	1
23	THERMAL ENG	B.K.SARKAR	1
24	THERMAL ENG	M.L.MATHUR/F.S.MEHTA	1

25	POWER PLANT ENG.	P.K.NAG	1
26	POWER PLANT ENG.(4TH EDN.)	R.K.RAJPUT	1
27	POWER PLANT ENG.	ARORA/DOMKUNDWAR	1
28	POWER PLANT ENG.	ARORA/DOMKUNDWAR	1
29	ENERGY MANAGEMENT	W.R.MURPHY/G.MCKAY	1
30	ENERGY RESOURCES UTILIZATION & TECH.	ANJANEJULUYER/FRANCIS T	1
31	RENEWABLE ENERGY RESOURCES (3RD EDN.)	JOHN TWIDEL/TONY WEIR	1
32	STEAM & GAS TURBINES	R.YADAV	1
33	FUNDAMENTALS OF TURBO MACHINERY	B.K.VENKANNA	1
34	RAC	R.S.KHURMI	1
35	RAC	S.L.GAVHALE	1
36	REFRIGERATION TABLES & CHARTS	R.S.KHURMI	2
37	STEAM TABLES	R.S.KHURMI	1
38	FUNDAMENTALS OF MECH. ENG.	ANIL KUMAR/S.SUDHAKAR	1
39	ELEMENTS OF MECH. ENG.	S.K.HAJRA CHOUDHARY/K.P.ROY	3
40	FLUID MECHANICS & HYDRAULIC M/C	Dr.R.K. BANSAL	1
41	FLUID MECHANICS & HYDRAULIC M/C	Dr. R.K. BANSAL	1
42	HYDRAULICS, FLUID MECHANICS & HYDRAULIC M/C	R.S.KHURMI	1
43	FLUID MECHANICS	R.K.RAJPUT	1
44	FLUID MECHANICS & HYDRAULIC M/C	R.K.RAJPUT	1
45	FUNDAMENTALS OF COMPRESSIBLE FLOW WITH AIR CRAFT & ROCKET PROPULSION	S.M.YAHYA	1
46	FLUID MECHANICS	P.V.SHROTRI	1
47	FLUID MECHANICS	Dr. SADHU SINGH	1
48	PHILOSOPHY OF COMPUTATIONAL FLUID DYNAMICS	S.L.GAVHALE	1

49	ENG. MECHANICS	S.S.BHAVIKATTI	1
50	ENG. MECHANICS	R.S KHURMI	6
51	ENG. MECHANICS (20TH EDN.)	R.S KHURMI	1
52	ENG. MECHANICS	R.K RAJPUT	1
53	APPLIED MECHANICS	S. RAMAMRUTHAM	1
54	ENG. MECHANISC, STATICS & DYNAMICS	A.K TAYAL	1
55	ENG. MECHANICS	S.S.BHAVIKATTI/K.G RAJASHEKARAPPA	1
56	ENG. MECHANISC, STATICS	N.H DUBEY	1
57	ENG. MECHANISC, STATICS & DYNAMICS	MCLEAN & NELSON	1
58	ENG. DRAWING	N.D.BHATT/V.M.PANCHAL	1
59	ENG. DRAWING	N.D.BHATT	1
60	ELEMENTARY ENG. DRAWING	N.D.BHATT	1
61	ELEMENTARY ENG. DRAWING	N.D.BHATT	1
62	ENG. DRAWING	K.R.GOPALAKRISHNA	1
63	ENG. DRAWING WITH AUTO CAD	K.VENKATTA REDDY	1
64	ENG. DRAWING WITH AUTO CAD	ARUNODAY KUMAR	1
65	ENG. DRAWING & GRAPHICS	K.V. NATARARAJAN	1
66	ENG. DRAWING (1ST ANGLE PROJ.)	Dr. R.K DHAWAN	1
67	MECH. ENG. DRAWING	A.M. EKATPURE	1
68	ENG. GRAPHICS	D.A. HINDOLIYA	1
69	ENG. GRAPHICS	R.V.MALI/B.S.CHAUHAN	1
70	ENG. GRAPHICS	K.R.GOPALAKRISHNA/SUDHIR GOPALAKRISHNA	1 1
71	ENG. GRAPHICS	ARUNODAY KUMAR	1
72	ENG. GRAPHICS	LAXMI NARAYANAN/VAISHWANAR	1
73	MACHINE DRAWING	G.R.NAGPAL	1
74	MACHINE DRAWING	N.D.BHATT	1
75	MACHINE DRAWING	K.R.GOPALKRISHNAN	1
76	MACHINE DRAWING	P.S.GILL	1

77	MATERIAL SCIENCE & METALLURGY (DIFFERENT EDN.)	O.P.KHANNA	3
78	MATERIAL SCIENCE & PROCESSES	S.K.HAJRA CHOUDHARY	1
79	CHEMISTRY OF ENG. MATERIALS	C.V.AGARVAL	1
80	STRENGTH OF MATERIALS	R.S.KHURMI/N.KHURMI	2
81	STRENGTH OF MATERIALS	A.K.MAHAJAN/K.P.WANKHEDE	1
82	STRENGTH OF MATERIALS	L.S.NEGI	1
83	STRENGTH OF MATERIALS	SUNIL.S.DEO	1
84	STRENGTH OF MATERIALS	Dr. B.S.BEDI	1
85	STRENGTH OF MATERIALS	S.RAMAMRUTHAM	1
86	STRENGTH OF MATERIALS	S.RAMAMRUTHAM	1
87	STRENGTH OF MATERIALS	R.K.RAJPUT	1
88	MECHANICS OF MATERIALS	FERDINAND P BEER/JOHN DEWOLF	1
89	MECHANICS OF MATERIALS	FERDINAND P BEER/JOHN DEWOLF	1
90	ADV. MECHANICS OF SOLIDS	L.S.SRINATH	1
91	THEORY OF M/C & MECHANISM	P.L.BALLANEY	1
92	THEORY OF M/C & MECHANISM	R.S.KHURMI/J.K.GUPTA	2
93	THEORY OF M/C & MECHANISM	R.S.KHURMI/J.K.GUPTA	1
94	THEORY OF M/C & MECHANISM	S.S RATTAN	1
95	THEORY OF M/C & MECHANISM	S.D.AMBATKAR	1
96	THEORY OF M/C & MECHANISM	JOHN J UICKER/JOSEPH SHIGLEY	1
97	THEORY OF M/Cs	S.S RATTAN	1
98	THEORY OF M/Cs	R.S.KHURMI/J.K.GUPTA	1
99	THEORY OF M/Cs-vol-I	H.G.PHAKATKAR	1
100	THEORY OF M/Cs-vol-II	H.G.PHAKATKAR	1
101	MACHINE DESIGN	R.S.KHURMI/J.K.GUPTA	1
102	MACHINE DESIGN	R.S.KHURMI/J.K.GUPTA	1
103	MACHINE DESIGN	R.S.KHURMI/J.K.GUPTA	2
104	MACHINE DESIGN	Dr. SADHU SINGH	1
105	DESIGN OF M/C ELEMENTS	V.B. BHANDAN	1
106	DESIGN OF M/C ELEMENTS	VINOD PATIL/NEHAL M	1

107	DESIGN DATA HAND BOOK	K.MAHADEVAN/K.BALAVEERA REDDY	2
108	INTRODUCTION TO M/C DESIGN	V.B.BHANDAN	1
109	DESIGN DATA HAND BOOK		1
110	FUNDAMENTALS OF DESIGN & MANUFACTURING		1
111	MECHANICAL VIBRATIONS	V.P.SINGH	2
112	ELEMENTS OF W/S TECH.(VOLII)	S.K.HAJRA CHOUDHARY	6
113	ELEMENTS OF W/S TECH.(VOLI)	S.K.HAJRA CHOUDHARY	5
114	MANUFACTURING TECH.	P.N.RAO	1
115	MANUFACTURING TECH.	R.K.RAJPUT	1
116	MANUFACTURING TECH.-II	Dr. P.C.SHARMA	1
117	MANUFACTURING TECH.-II	J.M.ALEXANDER	1
118	MANUFACTURING TECH.(FOUNDRY,FORMING.WELDING)	P.N.RAO	1
119	WORKSHOP TECH.	R.S.KHURMI/J.K.GUPTA	1
120	ADV. MANUFACTURING PROCESSES	P.K.AMBADEKAR/S.T.GHAN	1
121	PRINCIPLES OF MANUF. MATERIALS & PROCESSES	J.S.CAMPBELL	1
122	MANF. PROCESSES II	Dr.P.K ROY/Y. V DESHMUKH	1
123	PROD. TECHNOLOGY	N.S.SALUNKE	1
124	PROD. TECHNOLOGY	Dr. P.C.SHARMA	2
125	TOOL DESIGN	CYRIL DONALDSON/GEARGE H LECAIN	1
126	TOOL ENG. & DESIGN	G.N. NAGPAL	1
127	M/C TOOL DESIGN	Dr. VASUDEVAN	1
128	STUDY ON CENTRELESS GRINDING	Dr. A.R.NAIK	1
129	GRINDING PROCESSES	J.L.METZGER	1
130	RESISTANCE WELDING	P.L.CHULOSHNIKOV	1
131	ELECTRIC ARC WELDING PRACTISE	L.SHEBEKO	1
132	WELDING PROCESSES & TECH.	Dr. R.S. PARMAR	1
133	HAND BOOK FOR LATHE OPERATORS 7 FOREMAN	S.FOMIN	1

134	ENG.METROLOGY	R.K JAIN	1
135	MEASUREMENT & CONTROL	S.L GAVHALE	1
136	ENG.METROLOGY	I.C GUPTA	1
137	METROLOGY & QUALITY CONTROL	S.B INGOTE	1
138	METROLOGY & QUALITY CONTROL	M.S.MAHAJAN/B.S.CHOUDHARI	1
139	METROLOGY	M. MAHAJAN	1
140	MECH. MEASUREMENTS & INST. & CONTROL	A.K SAWHNEY/PUNNET SAWLNEY	1
141	FITS TOLERANCES & ENG. MEASUREMENTS	Y.TARAS EVICH	1
142	LETS TALK ROUNDNESS	H. DANGELL	1
143	STATISTICAL QUALITY CONTROL	M.MAHAJAN	1
144	FUNDAMENTALS OF QUA. CONTROL & IMPROVEMENT	AMITAVA MITRA	1
145	OPERATIONS RESEARCH	PREM KUMAR GUPTA/D.S. HIRA	1
146	MECHATRONICS	HMT	1
147	MECHATRONICS	K.P.RAMACHANDRAN/G.K VIJAYA RAGHAVAN	1
148	MECHATRONICS	R.K RAJPUT	1
149	MECHATRONICS	M.D.SINGH/J.G JOSHI	1
150	MECHATRONICS	W.BOLTON	1
151	CAD/CAM	P.N.RAO	1
152	AUTO CAD 2000	GEORGE OMURA	1
153	SOLID WORKS 2007	SHAM TICKOO/DEEPAK MAINI	1
154	CAM	TIEN-CHIEN CHANG	1
155	MATLAB 7	RUDRA PRATAP	1
156	INTRODUCTION TO COMPUTATIONAL FLUID DYNAMICS	PRADIP NIYOGI	1
157	INDUSTRIAL FLUID POWER	C.P.MURGUDKAR	1
158	FLUID POWER WITH APP.	ANTHONY ESPOSITO	1
159	RECENT ADVANCES IN FPC	JAGADEESHA T/Dr. T.J.S JOTHI	1

160	NANO THE ESSENTIALS	T.PRADEEP	1
161	CORE CONCEPT OF NANO TECH.	RAKESH RATHI	1
162	INTRODUCTION TO NANO TECH.	CHARLES P POOLE	1
163	COMPUTER NUMERICAL CONTROL	ROBERT QUESADA	1
164	ROBOTICS	APPU KUTTAN K.K	1
165	SYSTEM SIMULATION	GEOFFREY GORDON	1
166	MODERN AUTOMATION SYSTEMS	MUHAMMED ABDELATI	1
167	PROCESS CONTROL	K. KRISHNA SWAMY	1
168	ADV. MICROPROCESSORS & PERIPHERALS	A.K.RAY/K.M.BHURCHANDI	1
169	SYM. SIMULATION WITH DIGITAL COMPUTER	NANSINGH DEO	1
170	COMPUTER SIMULATION OF SPARK IGNITION ENGINE PROCESS	V.GANESAN	1
171	COMPUTER SIMULATION OF COMPRESSION IGNITION ENGINE PROCESS	V.GANESAN	1
172	AUTOMOBILE ENG.	R.K.RAJPUT	1
173	AUTOMOBILE ENG.	S.L.GAVHALE	1
174	AUTOMOBILE ENG. THEORY	KAPIL DEV	1
175	AUTOMOTIVE ELECTRICAL & ELECTRONICS	A.K.BABU	1
176	PRINCIPLES & PRACTICE OF MARINE DIESEL ENGINE	D.K SANYAL	1