

## **Annual Report**

# April 2021 to March 2022

Activities of the VTU e-Learning Centre from April 2021 to March 2022 are stated below:

# I. VTU e-Shikshana Programme-04:

The faculty Advisory Board meeting was conducted on 27<sup>th</sup> July 2020 through virtual mode and the following 13 courses from seven major disciplines were recommended for e-Content development with the active participation of 36 course experts and 356 sessions of e-content repository.

Sl.No	Course code	Course	Credit	Course Experts	Module
				Dr.Pradeep C.R., CIT, Gubbi	I
				Dr.K.S.Basavarajappa, BIET, Davanagere	IV
1	18MAT11	Calculus and	4	Dr Roopa K M, BIT, Blore	II
1	10MA111	Linear Algebra	4	Dr. P R Hampiholi, GIT, Belagavi	III
				Dr V Ramachandra Murthy, RRIT, Blore	V
2	18CPS13	C Programming for Problem Solving	3	Prof. Sudeer Anekal, VTU CPGS, Kalburgi & other IT Industry Experts	I to V
				Dr.Pradeep C.R., CIT, Gubbi	I
	Transform Calculus,		Dr.K.S.Basavarajappa, BIET, Davanagere	V	
3	18MAT31	Fourier Series And Numerical Techniques	3	Dr Roopa K M, BIT, Blore	II
				Dr. P R Hampiholi, GIT, Belagavi	III
				Dr V Ramachandra Murthy, RRIT, Blore	IV



Analysis of Indeterminate Structures  Analysis  Data Structures and Applications  Data Structures  Analysis  Data Structures and Applications  Data Structures  Analysis  Data Structures and Applications  Dr. S Nandagopalan, VIT, Blore  Dr. Shrinivasa Naika C L  UDBT, Dvanagere  Prof. Manohar Madgi, KLE IT, Hubbballi  Dr. Gururaj H L, VVCE, Mysuru  Prof. Sathyanarayana S, JNNCE, Shivmoga  Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao, RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, II  Dr. Nagesh Prabhu, NMAMIT, Nitte  Dr. Nagesh Prabhu, NMAMIT, Nitte  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  III, IV & V  III, IV & III, III, IV & III			T	1		1
Analysis of Indeterminate Structures    Analysis of Indeterminate Structures					Dr. B.G.Naresh Kumar, MIT,	1 & V
4 18CV52 Indeterminate Structures  4 Prof. Kiran Mali Patil, KLECET, Belagavi Prof.Bhavyashree B N, MIT, Mysuru Dr. S Nandagopalan, VIT, Blore I, II & V Dr. Shrinivasa Naika C L UDBT, Dvanagere Prof. Manohar Madgi, KLE IT, Hubbballi Dr. Gururaj H L, VVCE, Mysuru I Prof. Sathyanarayana S, JNNCE, Shivmoga Prof. Sunilkumar B S, GMIT, Davanagere  7 17EE71 Power System Analysis Prof. K. Uma Rao , RVCE, Bengaluru Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru Dr. Nagesh Prabhu, NMAMIT, II Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Rudraswamy, SJCE, Mysuru Uninformation Prof. Madhupatil, NMIT, Blore III III, IV & U					Mysuru	1 4 7
Structures    Belagavi   Prof. Bhavyashree B N, MIT, Mysuru   Dr. S Nandagopalan, VIT, Blore   L, II & V			Analysis of		Dr.H.S. Nanda, BTI, B'lore	II
Structures   Belagavi   Prof.Bhavyashree B N, MIT, Mysuru   Dr. S Nandagopalan, VIT, Blore   L, II & V	4	18CV52	Indeterminate	4	Prof. Kiran Mali Patil, KLECET,	111
Prof.Bhavyashree B N, MIT, Mysuru  Data Structures and Applications  Data Structures and Applications  Prof. Manohar Madgi, KLE IT, Hubbballi  Dr. Gururaj H L, VVCE, Mysuru  Prof. Sathyanarayana S, JNNCE, Shivmoga Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, II  Power System Analysis  Power System Analysis  18EC34  Digital System Design  Data Structures  4 Dr. S Nandagopalan, VIT, Blore  Dr. Shrinivasa Naika C L UDBT, Dvanagere  Prof. Manohar Madgi, KLE IT, Hubbballi  Dr. Gururaj H L, VVCE, Mysuru  Prof. Sathyanarayana S, JNNCE, Shivmoga  Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, II  Dr. Nagesh Prabhu, NMAMIT, II  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  III, IV & V  Prof. Madhupatil, NMIT, B'lore  I, II & III			Structures		Belagavi	111
Mysuru   Dr. S Nandagopalan, VIT, Blore   I, II & V						
Data Structures and Applications  Data Structures and Applications  Dr. S Nandagopalan, VIT, Blore I, II & V  Dr. Shrinivasa Naika C L UDBT, Dvanagere  Prof. Manohar Madgi, KLE IT, Hubbballi  Dr. Gururaj H L, VVCE, Mysuru  Prof. Sathyanarayana S, JNNCE, Shivmoga  Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, Nitte  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Nagesh Prabhu, NMAMIT, Nitte  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  Prof. Madhupatil, NMIT, B'lore  I, II & III  Prof. Madhupatil, NMIT, B'lore  I, II & III  III  III  III  Dr. Snandagopalan, VIT, Blore  III & III  III & III  Dr. Shrinivasa Naika C L UDBT, Dvanagere  Prof. Manohar Madgi, KLE IT, Hubbballi  Dr. Gururaj H L, VVCE, Mysuru  Prof. Sathyanarayana S, JNNCE, Shivmoga  Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru  IV & V  Ms. Sushmita Sarkar, RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, Nitte  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  III, IV & V						IV
Data Structures and Applications  Data Structures and Applications  Dr. Shrinivasa Naika C L UDBT, Dvanagere  Prof. Manohar Madgi, KLE IT, Hubbballi  Dr. Gururaj H L, VVCE, Mysuru  Prof. Sathyanarayana S, JNNCE, Shivmoga  Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, II  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Nagesh Prabhu, NMAMIT, III  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Nagesh Prabhu, NMAMIT, III  Dr. Shobha Shankar, VVCE, III  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  Prof. Madhupatil, NMIT, B'lore  III & IV					3	LII&V
Table 20						2) 12 66 1
Table 20			Data Structures			III & IV
Prof. Manohar Madgi, KLE II, Hubbballi  Dr. Gururaj H L, VVCE, Mysuru Prof. Sathyanarayana S, JNNCE, Shivmoga Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru IV & V  Ms. Sushmita Sarkar, RVCE, Bengaluru Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru  Brof. Sathyanarayana S, JNNCE, II & III  Dr. K. Uma Rao , RVCE, Bengaluru IV & V  Ms. Sushmita Sarkar, RVCE, Bengaluru Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru Prof. Madhupatil, NMIT, B'lore I, II & III	5	18CS32	and	4	UDBT, Dvanagere	III Œ I V
Hubbballi  Dr. Gururaj H L, VVCE, Mysuru I Prof. Sathyanarayana S, JNNCE, Shivmoga Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru IV & V  Ms. Sushmita Sarkar, RVCE, Bengaluru Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru  Br. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru III, IV & V  Prof. Madhupatil, NMIT, B'lore I W & V  Prof. Sathyanarayana S, JNNCE, III & III  Dr. K. Uma Rao , RVCE, Bengaluru IV & V  Ms. Sushmita Sarkar, RVCE, Bengaluru Dr. Nagesh Prabhu, NMAMIT, II  Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru III, IV & V  Prof. Madhupatil, NMIT, B'lore I, II & III			Applications		Duck Manahan Madai VI E IT	
Computer Networks and Security  Dr. Gururaj H L, VVCE, Mysuru Prof. Sathyanarayana S, JNNCE, Shivmoga Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru IV & V  Ms. Sushmita Sarkar, RVCE, Bengaluru Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru III, IV & V  Prof. Madhupatil, NMIT, B'lore I, II & III					S S	I & V
Computer Networks and Security  Prof. Sathyanarayana S, JNNCE, Shivmoga Prof. Sunilkumar B S, GMIT, Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru Prof. Nagesh Prabhu, NMAMIT, Nitte Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru  Br. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, II Dr. Rudraswamy, SJCE, Mysuru Information Prof. Madhupatil, NMIT, B'lore II & III  Prof. Sathyanarayana S, JNNCE, Shivmoga II & III II & III  Prof. Sathyanarayana S, JNNCE, Shivmoga II & III IV & V  Ms. Sushmita Sarkar, RVCE, Bengaluru Dr. Nagesh Prabhu, NMAMIT, II  Dr. Shobha Shankar, VVCE, Mysuru Dr. Rudraswamy, SJCE, Mysuru III, IV & V  III, IV & V  Prof. Madhupatil, NMIT, B'lore I, II & III						т
Shivmoga   Frof. Sunilkumar B S, GMIT, Davanagere   IV & V					-	l l
8 18EC34 Networks and Security  Power System Analysis  17EE71  Power System Analysis  Por. K. Uma Rao , RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, II  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  III, IV & V  Prof. Madhupatil, NMIT, B'lore  I, II & III		40665	_			II & III
Davanagere  Davanagere  Dr. K. Uma Rao , RVCE, Bengaluru  IV & V  Ms. Sushmita Sarkar, RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, Nitte  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  III, IV & V  Prof. Madhupatil, NMIT, B'lore  IV & V  IV & V  III  IV & V  III  Dr. Rudraswamy, SJCE, Mysuru  III, IV & V  Prof. Madhupatil, NMIT, B'lore  I, II & III	6	18CS52		4		
Power System Analysis  Por. K. Uma Rao , RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  III, IV & V  Prof. Madhupatil, NMIT, B'lore  I, II & III			Security			IV & V
7 17EE71 Power System Analysis 4 Ms. Sushmita Sarkar, RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, II  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  Information  Prof. Madhupatil, NMIT, B'lore  I II  III  Prof. Madhupatil, NMIT, B'lore  I, II & III					Davanagere	- , 55 ,
7 17EE71 Power System Analysis 4 Ms. Sushmita Sarkar, RVCE, Bengaluru  Dr. Nagesh Prabhu, NMAMIT, II  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  Information  Prof. Madhupatil, NMIT, B'lore  I 1  Ms. Sushmita Sarkar, RVCE, II  Dr. Nagesh Prabhu, NMAMIT, II  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  III, IV & V					Dr. K. Uma Rao . RVCE. Bengaluru	IV & V
7 17EE71 Power System Analysis 4 Bengaluru Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru Information Prof. Madhupatil, NMIT, B'lore I, II & III						1, 66 ,
7 17EE71 Power System Analysis 4 Bengaluru Dr. Nagesh Prabhu, NMAMIT, Nitte Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru III  Nitte Dr. Rudraswamy, SJCE, Mysuru III, IV & V Prof. Madhupatil, NMIT, B'lore I, II & III						Ī
Analysis  Dr. Nagesh Prabhu, NMAMIT, Nitte  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  Information  Prof. Madhupatil, NMIT, B'lore  II  II  Prof. Madhupatil, NMIT, B'lore  III  III  Prof. Madhupatil, NMIT, B'lore  III  III  III  III  III  Prof. Madhupatil, NMIT, B'lore  III  III  III  III  III  III  III	7	17FF71	Power System	4	3	-
Nitte  Dr. Shobha Shankar, VVCE, Mysuru  Dr. Meghana Kulkarni, VTU CPGS, Belagavi  Dr. Bhagyashree S R, ATMECE, Mysuru  Dr. Rudraswamy, SJCE, Mysuru  Information  Prof. Madhupatil, NMIT, B'lore  III  III, IV & V	,	I/LL/I	Analysis	4		l II
8 18EC34 Digital System Design 3 Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru III, IV & V  Information Prof. Madhupatil, NMIT, B'lore I, II & III					Nitte	11
8 18EC34 Digital System Design 3 Dr. Meghana Kulkarni, VTU CPGS, Belagavi Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru III, IV & V  Information Prof. Madhupatil, NMIT, B'lore I, II & III					Dr. Shobha Shankar, VVCE,	111
8 18EC34 Digital System Design 3 Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru Information Prof. Madhupatil, NMIT, B'lore I, II & III					Mysuru	111
8 18EC34 Digital System Design 3 Dr. Bhagyashree S R, ATMECE, Mysuru Dr. Rudraswamy, SJCE, Mysuru Information Prof. Madhupatil, NMIT, B'lore I, II & III					Dr. Meghana Kulkarni, VTU CPGS,	т
Design  Mysuru  Dr. Rudraswamy, SJCE, Mysuru  Information  Prof. Madhupatil, NMIT, B'lore  I, II & III						<u> </u>
Design  Mysuru  Dr. Rudraswamy, SJCE, Mysuru  Information  Prof. Madhupatil, NMIT, B'lore  I, II & III	o	10EC24	Digital System	2	Dr. Bhagyashree S R, ATMECE,	ŢŢ
Dr. Rudraswamy, SJCE, Mysuru  Information  Prof. Madhupatil, NMIT, B'lore  I, II & III	8	10EC34	Design	3		11
Information Prof. Madhupatil, NMIT, B'lore I, II & III						III, IV &
					Dr. Kuaraswamy, SJCE, Mysuru	
		18EC54	Information Theory & Coding		Prof. Madhupatil, NMIT, B'lore	I, II & III
9 18EC54 Ineory & 3 Duck CVI Ima DNCIT Piloto 177 9 17	9			3		
Coding Prof. S V Uma, RNSIT, B'lore IV & V					1101. 5 v Ollia, KNSII, Diore	1 V & V
10 18ME32 Mechanics of 4 Dr. Babu Reddy, VTU CPGS, I & II	10	18ME22	Mechanics of		Dr. Babu Reddy, VTU CPGS,	T &- TT
+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	10	TOMES	Materials	1 <b>4</b>	Kalburgi	1 1 02 11



				Dr.Ragavendra G Deshpande, SCE, B'lore	IV & V
				Dr. P L Srinivas Moorthy, Former Professor, BNMIT, B'lore	III
				Dr.M.H.Annaiah, SCE, Blore	III & IV
11	18ME52	Design of Machine	4	Dr. Babu Reddy, VTU CPGS, Kalburgi	I & II
	Elements I		Dr. P L Srinivas Moorthy, Former Professor, BNMIT, B'lore	V	
12	18ARC53	Building Services-II: Electrical and Illuminations	2	Prof. Mahanthan, MSA, Mysuru	I to V
				Prof. Suresh Murthy, RVCA, Blore	IV
13	18ARC33	3 Climatology	3	Ar. Kuladeepkumar, IIT, Roorke	II & III
				Prof. Sanketh Ghanti, MSA, Mysuru	I & V





e--Shikshana Faculty Advisory Board Meeting for Programme - 04

The above e-contents were developed and hosted at VTU e-Learning portal of 356 numbers of sessions by the support of 36 course experts with 36811 total numbers of views by the stake holders.



# II. VTU e-Shikshana Programme-05:

The faculty Advisory Board meeting was conducted on 08<sup>th</sup> June 2021 through virtual mode and the following 13 courses from seven major disciplines were recommended for e-Content development with the active participation of 49 course experts and 480 sessions of e-content repository.

Sl.No.	Course Code	Course Name	Sem/Dept.	Course Experts	Module
				Dr.K.B.Vinay, VVCE, Mysuru	1
				Dr.B.S.Nityananda, VVCE, Mysuru	2
1	10ME1E / 2E	Elements of Mechanical	Sem - II Basic	Dr.S.A.Mohan Krishna, VVCE, Mysuru	3
1	18ME15/25	Engineering	Courses	Dr.Babu Reddy, VTU's Centre for postgraduate Studies, Kalaburagi	4
				Dr.Khalid Imran, VVCE, Mysuru	5
	18ME44	Kinematics of Machines	IV Sem ME	Prof. Y.P.Mamatha, VVCE, Mysuru	1
				Prof. H.M.Gurudatt, VVCE, Mysuru	3
2				Dr. Veeresh Chandra, SJCIT, Chickaballapur	2
				Dr.Chandra Mohan H K, SJCIT, Chickaballapur	4
				Prof. Chandan V, VVCE, Mysuru	5
	18PHY12/22	2 Engineering Physics	II Sem Basic Sciences	Dr.Vijaylakshmi Dayal, MIT, Mysore	1
3				Dr.D.Nagaraja, BIT, Bangalore	2
3				Dr.Mahesh Lohith K S,ATME, Mysore	3
				Dr.Anandaram B N, JNNCE, Shivamogga	4

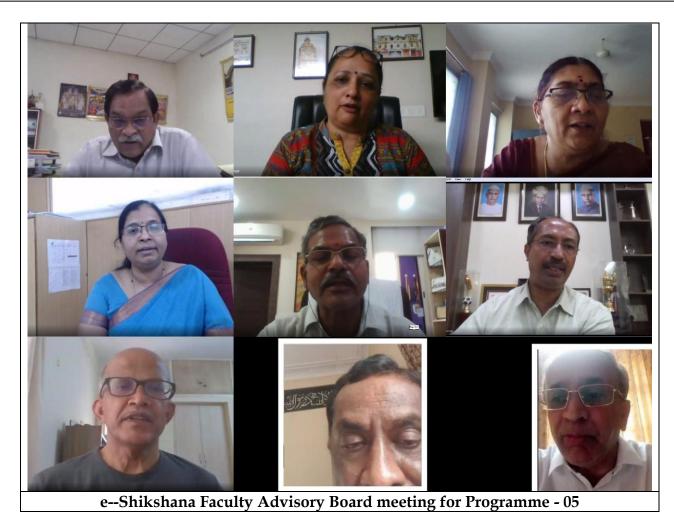


				Dr. Vincent Crasta, SJEC, Mangalore	5
		Building Services		Ar.Dakshayini Patil, BMSCA	1 & 2
4	18ARC63	III (Airconditioning, Mechanical	Sem VI Architecture	Ar.Arjun K S, KSSA	3
		transportation & fire protection		Ar.Mangala Mahanthan J, MSA	4 & 5
5	18EE43	Transmission	Sem IV	Dr.Uma Rao K, RVCE, Bangalore	1,3 & 5
	TOLLES	and Distribution	EEE	Dr.Gautham N, VVCE, Mysuru	2 & 4
			Dr.Uma Rao K, RVCE, Bangalore	1 & 5	
6	18EE825	Electrical Power Quality	Sem VIII EEE	Dr.Prema V, BMSCE, Bangalore	3 & 4
				Prof.Sushmitha Sarkar, RVCE, Bangalore	2
				Dr.K.M.Roopa, BIT, Bangalore	3 & 5
7	18MATDIP401	Advanced Mathematics-II	Common	Dr.K.S.Basavarajappa, BIET, Davangere	1 & 2
				Dr.P.R.Hampiholi, GIT, Belgaum	4
8	190041	System Software	Sem VI	Mr.Vishwanath Kamatar, KLEIT, Hubbali	2 & 3
0	18CS61	and Computers	CSE/ISE	Dr.B.A.Patil, KLE Dr.MSS College of Engineering, Belagavi	1,4 & 5
	18CS46	Data Communication	Sem IV CSE/ISE	Dr.Yerriswamy T, KLEIT, Hubbali	1, 2 & 3
9				Dr.Umesh Somanahatti, KLE Dr.MSS College of Engineering, Belagavi	4 & 5
10	18EC63	Microwave and Antennas	VI Sem ECE	Dr.Andhe Pallavi, RNSIT, Bengaluru	5



				Dr.Venkatesh M, Sai Vidya Institute of Technology, Bengaluru	4
				Dr.K.Sreelakshmi, RVCE, Bengaluru	1
				Dr.Prasanna Paga, Nitte Meenakshi Institute of Technology, Bengaluru	3
				Dr.Sasmita Mohapatra, Sir MVIT, Bengaluru	2
				Dr.Uma S V, RNSIT, Bengaluru	5
				Dr.Poornima G, BMSCE, Bengaluru	1
11	18EC42	Analog Electronic Circuits	IV Sem ECE	Dr.Supriya V G, SirMVIT, Bengaluru	2
				Prof.C.R.Prashanth, Dr.AIT, Bengaluru	4
				Dr.Bhaskar B, SJBIT, Bengaluru	3
				Dr. Nagaraj Sitaram, EPCET, B'lore	1
12	18CV43	Applied Hydraulics	IV Sem CV	Prof. Suresh Ramaswamyreddy, BMSCE, B'lore	2 & 3
12	100 10			Dr. B R Ramesh, NMIT, B'lore	5
				Dr Reshmidevi, BMSCE, B'lore	4
	18CV61			Prof. M C Nataraja, MSRIT, B'lore	1 & 5
		Design of Steel	VI Sem	Prof. Raviraj S, SJCE, Mysuru	4
13		Structural Elements	CV	Prof. Anil Kumar R, MSRIT, B'lore	2 & 5
				Prof. Geeta Kumari T, MSRIT, B'lore	3





The above e-contents were developed and hosted at VTU e-Learning portal of 380 numbers of sessions by the support of 44 course experts with 47886 total numbers of views by the stake holders.

## III. VTU e-Shikshana Programme-06:

The faculty Advisory Board meeting was conducted on 22<sup>nd</sup> December 2021 through virtual mode and the following 19 courses from twelve major disciplines were recommended for e-Content development with the active participation of 53 course experts and 656 sessions of e-content repository.



S1 No	Course Code	Course Name	Credit	Course Expert Name	Hrs
1	18ARC43	BUILDING SERVICES - I (Water Supply and Sanitation)	3	Ar. Zahra Bathool, MSA, Mysuru  Ar. Roopashree A P, MSA,  Mysuru	35
2	21CHE22	Engineering Chemistry	3	Dr. G.K. Prashanth , Sir.MVIT, B'lore Dr. G.M.Krishnaiah , Sir.MVIT, B'lore Dr. Veeresh Maglad, TCE, Gadag Dr. V.R.Kattimani, BEC, Bagalkot Dr. Basavaraju B C, BIT, B'lore	35
3	18BT63	Bioinformatics	4	Dr. H.G.Nagendra, Sir.MVIT, B'lore Dr. Gurumurthy, GMIT, Davangere Dr. Jagadeesh Kumar D, Sir.MVIT, B'lore	40
4	18BT43	Immuno Technology	3	Dr. Priya Narayan, Sir.MVIT, B'lore  Dr. Damodar P, MSRIT, B'lore  Dr. Shilpa Shivashankar, AIT, B'lore	35
5	18EC642	Artificial Neural Networks	3	Dr. T N Prabakar, Sri Sairam College of Engg, Bangalore  Prof. Sivaprakash C, Sairam College of Engg, Bangalore  Dr B Srilatha, Sairam College of Engg, Bangalore	35
6	18EC646	Python Application Programming	3	Sri. Poorna Prgna M S, Data Scientist, Aspino Solutions, Pvt. Ltd., B'lore	35



				Prof. Rampur Srinath, NIE,	
				Mysuru	
				Dr. Canalyadda V. WVCE Massaur	
				Dr. Gopalreddy K, VVCE, Mysuru	
		Electric Vehicles		Prof. Malini K V, Sri Sairam	
7	18EE646	Technologies	3	College of Engg, Bangalore	35
				Dr. Radhakrishna K R, RIT,	
				Hassan	
		Mobile Application	_	Prof. Nithin Kumar, VVCE,	
8	18CSMP64	Development	3	Mysuru	35
				Dr. Venkataraman S Hegde,	
9	18CV36	Engineering Geology	3	SDMCET, Dharwad	35
				·	
				Dr. B.G. Nagendra Prasad, MIT, Thandavapura	
		Solid Waste Management	3	Dr. C.B. Shivayogimath, AIEMS,	
				B'lore	
10	18CV642			Dr. Amarnath Shetty, AJIET,	35
				M'lore	
				Siddalingayya G. Hiremath,	
				VDRIT, Haliyal	
				Dr. P.C. Srinivasa, GEC, Mandya	
				·	
				Dr. Vijaya G.S., Govt. SKSJT IT, B'lore	
				Dr. Naveen G.M, GEC,	
		Design of RCC and		Chamarajanagara	
11	18CV72	18CV72 Steel Structures	3	Dr. C. Nagaraja, SIET, Tumakuru	35
				Prof. Veerendra Kumar, KSSEM,	
				B'lore	
				Dr. Mahesh Prabhu K, GEC,	
				Di. Manesii i fabitu N, GEC,	



				Ramanagara	
12	18EI/BM/ ML46	Scientific and Analytical Instrumentation	3	Dr. Mallikarjun S. Holi, UBDTCE, Davangere  Smt. S. A. Pushpalatha, UBDTCE, Davangere  Smt. Sneha G. Chachadi, RNSIT, Bengaluru	35
13	18EI54	Biomedical Instrumentation	3	Dr. Mallikarjun S. Holi, UBDTCE, Davangere  Dr. Kumar Ganapathi Adi, UBDTCE, Davangere  Dr. D.R.Santosh Kumar, UBDTCE, Davangere	35
14	18IP53	Quality Assurance and Reliability	4	Dr. N. Nagesha, UBDTCE, Davangere  Dr. Irappa Sogalad, UBDTCE, Davangere	40
15	Bridge Course	Fundamentals of Mathematics - Kannada Lectures as per NEP 2020		Dr Roopa K M, BIT, B'lore  Dr K S Basavarajappa, BIET,  Davanagere	16
16	21MAT11	Calculus and Differential equations - Kannada Lectures as per NEP 2020	3	Dr K S Basavarajappa, BIET, Davanagere  Dr Roopa K M, BIT, B'lore  Dr V Ramachandra Murthy, RRIT, B'lore  Dr. P R Hampiholi, GIT, Belagavi  Dr C R Pradeep, CBIT, Gubbi	35



17	18MAT653	Advanced Linear Algebra	3	Dr K S Basavarajappa, BIET, Davanagere  Dr Roopa K M, BIT, B'lore  Dr. P R Hampiholi, GIT, Belagavi	- 35
18	18ME55	Fluid Power Engineering	3	Dr. Rishi J P, VVCE, Mysuru  Dr. K.S.Ravi, VVCE, Mysuru  Dr. K.R.Prakash, NIE, Mysuru	35
19	18ME642	Refrigeration and Air conditioning	3	Dr. Akshay S Bhat, VVCE, Mysuru  Dr. Mohan Krishna S A, VVCE, Mysuru  Dr. Manjunath V B, VVCE, Mysuru	35



Till date 288 numbers of sessions for above courses are uploaded to VTU e-Learning Portal and the e-Content development is in progress.



#### IV. VTU e-Shikshana YouTube Channel

The teaching/learning resources of VTU e-Shikahana Programme – 04, 05 and 06 are being made available to the learner's community through the VTU e-Shikshana YouTube channel. Presently, the channel comprises 1611 sessions of lectures. Approximately 12,600 students have subscribed to the VTU e-Shikshana channel with total views of 6,15,900 and total impressions of 65,25,192. The 88% of total e-contents being accessed by the students of age group 19 to 24, out of which 68% are male students and 32% are female students.

### V. VTU e-Learning Studio, Mysuru

A dedicated full-fledged multimedia e-Learning studio has been set up by VTU e-Learning Centre, Mysuru. The e-Learning Studio comprises the recording room and control room. The e-Learning studio is being used to broadcast live lectures of the VTU e-Shikshana programme from eminent course experts from both academia and industry through the VTU e-Shikshana platform and also for development of e-Contents.





#### VI. Additional activities

- Arrangements were made for video coverage & Live streaming of 20th Annual Convocation at VTU Head Office, Belagavi dated: 03.04.2021
- Arrangements were made for video coverage of Vice Chancellor, Registrar and Registrar (Evaluation) for NEP awareness programme-2020 at VTU Campus, Belagavi dated from 23.09.2021 to 24.09.2021
- Arrangements were made for video recording of Dean Faculty of NEP Awareness programme-2020 at MSRIT, Bangalore dated: 01.10.2021
- Arrangements were made for video coverage and live streaming of one day symposium of "Skill Development for LIS Professions" at VTU Regional Centre, Bangalore dated from 26.11.2021 to 27.11.2021
- Arrangements were made for video coverage of National Conference on "Open Scholarship and Libraries" at VTU Head quarters, Belagavi dated from 06.01.2022 to 08.01.2022
- Arrangements were made for setting up video conference for webinars on "Universal Human Values and Social Responsibilities Among Youth" at VTU Regional Office, Bengaluru dated: 11.01.2022
- Arrangements were made for video coverage & Live streaming of 21st Annual Convocation at VTU Head office, Belagavi dated: 10.03.2022
- Arrangements were made for video coverage of NAAC Peer team visit at VTU Head office, Belagavi dated from 21 .03.2022 to 23.03.2022

#### VII. e-Content Management System Portal:

VTU e-Learning Centre has developed an e-Learning Content Management Portal using open-source software. The e-Learning Content Management system comprises of e-Contents for 413 courses with the participation of 995-course experts with a repository of 15928 video sessions

### VIII. Sharing of e-Contents

VTU e-Learning Centre is providing available e-contents to requested colleges for local intranet campus access. We have deployed VTU Content Management System to VTU Centre for Post Graduation Studies, Mysuru.



#### IX. Webinars and Live Streams Conducted:

- Visvesvaraya Technological University, e-Learning Center, Mysuru organized Technical Talk Series-I: Webinar on "ADVANCES IN AEROSPACE TECHNOLOGY" for VTU affiliated and autonomous engineering institutions as a part of 75th Indian Independence Celebration, "Azadi Ki Amrith Mahotsav", on 21st October 2021. Webinar was addressed by "Missile Woman of India", Dr. Tessay Thomas, Director General, Aeronautical Systems, DRDO, New Delhi.
- Visvesvaraya Technological University, e-Learning Center, Mysuru organized Technical Talk Series-II: Webinar on "Learning from Nature: Emergent Behavior in Active Matter" for VTU affiliated and autonomous Engineering Institutions as a part of 75<sup>th</sup> Indian Independence Celebration, "Azadi Ki Amrith Mahotsav", on Thursday 25<sup>th</sup> November 2021. Webinar was addressed by Dr. Ajay K. Sood, Honorary Professor, Department of Physics, Indian Institute of Science (IISc), Bangalore, India.
- Visvesvaraya Technological University, e-Learning Center, Mysuru organized
  Technical Talk Series-III: on "Universal Human Values and Social
  Responsibilities among Youth" on 11th January, 2022. The webinar was
  addressed by Nobel Peace Laureate, Sri. Kailash Satyarthi.
- Visvesvaraya Technological University, e-Learning Center, Mysuru organized Webinar on "SARS COV 2 Vaccine Challenges for India" on 16<sup>th</sup> June 2021 for VTU affiliated/constituent/autonomous engineering institutions with an objective to know the Challenges of Covid Vaccination in India, Webinar was addressed by Padmabhushan Prof. G Padmanaban, Distinguished Scientist, Former Director, IISc., Department of Biochemistry, IISc. Bangalore, Chancellor, Central University of Tamil Naidu, NASI Honorary Scientist, Senior Science Innovation Adviser, Ministry of Science and Technology, Govt. of India.



 Visvesvaraya Technological University, Belagavi organized Webinar on "Implementation of NEP - 2020 in Technical Institutions" on 2<sup>nd</sup> June 2021.
 Webinar was addressed by Prof. Anil Sahasrabudhe, Hon'ble Chairman, AICTE, New Delhi.

#### X. VTU PhD Coursework Online Classes: Online Certification Course

VTU e-Learning Centre is initiated to conduct online classes through VTU-LMS (Learning Management System) portal for VTU Online Certification Courses. The teaching-learning contents will be developed in the 4 Quadrant approach.

### XI. VTU - SWAYAM Local Chapter

VTU e-Learning Centre, Mysuru has set up VTU SWAYAM Local chapter in November 2015. The objective is to create awareness and enable students to obtain certification on different subjects, which makes them more employable or helps them to pursue higher education. The enrollment details for SWAYAM MOOC courses are shown in the below table.

#	Semesters	Courses Offered	Enrollments
1	January - April 2021	505	588
2	July December 2021	631	436
3	January - April 2022	592	474

## XII. VTU Learning Management System: VTU-LMS

With the present pandemic hitting the world, it is interesting to note that the traditional means of imparting knowledge in institutes of higher education have also been impacted to a considerable extent. In this context, it has become imperative to explore other learning mechanisms one of which is the Virtual Learning Approach. In this scenario, VTU e-Learning Centre, Mysuru has deployed VTU-Learning Management System for the benefit of VTU Stakeholders.



Using VTU-LMS, the faculty can create and disseminate e-content in four-quadrant approaches to their students in a flexible manner. The features of VTU-LMS are personalized dashboard creation, easy to use interface, collaborative tools, automatic alerts and notifications, customized role creation, etc

VTU-LMS can assist to customize the content for teachers' course content and also aid course delivery administrators to track the performance of the students and customize the site as per institutional requirements.

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