

Centre for Engineering Education Research

Faculty Conclave 2018 – Call for papers

Dear Colleagues,

We are closing yet another eventful academic year i.e. 2017-2018. Our collective efforts lead by visionary leadership have made us pioneers in Indian engineering education. The outcome of these efforts are bringing in recognition to KLE Tech at national and international levels. You are the agent of the transformations and it is your innovations in that are enriching the engineering education ecosystem of KLE Tech. And, now it is time for us to share our ideas and experiences accumulated during this academic year and learn from our peers.

Faculty Conclave – the annual event provides a forum for the faculty members to showcase their innovative experiments and learn from each others' experiences. The previous faculty conclaves are a success in terms of the enthusiastic participation of many and were able to inspire several others.

The eighth in the series – **"Faculty Conclave 2018"** – is scheduled during **July 26-27, 2018**. This conclave is expected to provide a platform for you to exchange your thoughts and share their experiences in academic space. The broad areas of focus are:

1.Curriculum Innovation		2. Outcomes Assessment	
3.Experiential Learning – Open ended		4.Pedagogies in Engineering Education	
experiments, projects, field visits			
5.Research Experiences, Entrepreneurship and		6. Graduate Program Experiences (MTech)	
Industry – Institute Collaboration			
7.Technology Enhanced Learning & MOOC Experiences			

You are invited to share experiences of the academic year 2017-2018 in the form of papers to be presented during the conclave. The papers can be submitted by an individual or a group. Extended Abstracts of the papers (pdf only) not exceeding 500 words may be mailed to <u>facultyconclave@kletech.ac.in</u> clearly writing focus area in subject line of email, choosing from the table above. The abstract of the paper is expected to indicate the focus of the paper in terms of clearly stated objectives, methodology and measures used along with the inferences drawn. We request you to note the deadlines given below for various stages of submission process and adhere to them.

Important Dates	
1.Submission of Abstracts 19-05-2018	4.Communication of Paper Review 14-07-2018
2. Abstract Review Communication 18-06-2018	5.Submission of final paper 23-07-2018
3.Submission of full Papers 07-07-2018	6.Faculty Conclave 26-07-2018 and 27-07-2018

We look forward for your active participation in this unique event.

Regards,

Director, CEER

April 16,2018

B. V. Bhoomaraddi College Campus, Vidyanagar, Hubballi 580031. Karnataka (India) Tel. : +91 - 836 - 2378407 Fax : +91 - 836 - 2374985. www.kletech.ac.in

Schedule for Faculty Conclave-2018 July 26-27, 2018 Venue: BioTech Auditorium

SESSI	ON 1	Time: 9.30 to 11 am	Date: 26.7.2018	
Sl.No	Paper-ID	Title	Authors	
1.	EC_08	An innovative approach to foster product development in a multidisciplinary environment at Sophomore level in engineering	Sanjay E, Sachin A, Gururaj F, Arun Patil, Praveenraj P., K.Rajashekhariah, Nagaraj E, Shilpa T	
2.	EC_02	Enhancing Optimization Skills in Embedded Stream: Integrated Learning	Rohini S. Hongal, S.N.Asundi, Preeti P., Bhagyashree K., Supriya K., Shrishail Pattanashetti , Nalini Iyer	
3.	EC_01	Enhanced learning experience by comparative investigation of pedagogical approach: Flipped Classroom	Shraddha B H, Nalini C.Iyer, Sujata Kotabagi, R.V Hangal, Sujata N, Nikita Patil, Soumya B., Dr. Subbanna Bhat	
4.	EE_01	Mixed Learning Styles: A strategy for team formation	Javeed Kittur, Minal Salunke	
5.	ME_04	Binding industrial needs by winding curriculum deeds A course on CAD Modelling, Analysis and PLM	G. M Hiremath, B. B Kotturshettar, Sridhar.M, U. P Hosamani, S. G Billur, G. R Chalageri, A. Y Patil, S. M Mukhandmath, S. R Patil, B. S Halemani, V. S Tigadi	
	Tea Break from 11 to 11.15 am			

SESSI	ON 2	Time: 11.15 am to 12.45pm	Date: 26.7.2018	
Sl.No	Paper-ID	Title	Authors	
1.	AR_01	HACKATHON–An Activity to Empower Programming skills	Ashwini G K, Arunkumar Giriyapur	
2.	AR_02	Problem solving in Integrated Laboratory using Hackathon Approach	Jyoti Bali, Ashwini G K, Shilpa T, Arunkumar Giriyapur	
3.	BT_02	Course Projects-An Experiential Learning and Developing Research Culture for Biotechnology Graduates	Zabin K. Bagewadi, Uday. M. Muddapur	
4.	CV_01	Enhancing students learnings in Mechanics of Material course through contextual learning	A.M. Hunashyal, Roopa A.K.	
5.	CV_02	Development of Experiential Learning through Course Projects in Concrete Technology Course	M.V.Chitawadagi, Shivaraj S.Halyal	
	Lunch Break 12.45 to 1.45pm			

SESSI	ION 3	Time: 1.45 to 3.15 pm	Date: 26.7.2018	
Sl.No	Paper-ID	Title	Authors	
1.	CS_07	The Experiences of using Software Engineering Process for Engineering Design and Product Prototyping in a Multidisciplinary Environment	K.M.M Rajashekharaiah, Somashekar Patil, PraveenRaj Pattar, Mallikarjun Akki, Meena Maralappanavar,Sanjay Eligar,B.B Kotturshettar, Arun Giriyapur	
2.	MB_01	"Role of Academic projects in experiential learning "-A study in Business management education	Mahantesh Halagatti	
3.	CS_02	Teaching Methodologies for Generation Z kids	Prakash Hegade	
4.	CS_05	Blue Print Pedagogy in Software Engineering	Meena S M, Prakash Hegade, Padmashri Desai	
5.	TALK	"By-Products from Research Experience"	Prakash Hegade	
	Tea Break 3.15pm to 3.30pm			

POSTER SESSION	3.30 to 5pm	Date 26.7.2018

SESSIC	DN 4	Time: 9.30 to 11am	Date: 27.7.2018	
Sl.No	Paper-ID	Title	Authors	
1.	EC_06	Prakalp- An approach towards Analog and Mixed Signal design	Sujata S. Kotabagi, Nalini Iyer, Sumit Bhat	
2.	CS_03	Research Experience with Minor Projects	Prakash Hegade	
3.	CS_04	Algorithmic Problem Solving – A Course Towards Competitive Programming	Ashok Shettar, Meena S M, Satyadhyan Chickerur, Prakash B Hegade	
4.	MB_02	Student's perspective on efficacy of game-based learning with reference to Management program	Shashidhar Mahantshetti	
5.	ME_07	Instilling research attitude in students at mechanical engineering school through REU approach	N.R.Banapurmath, R.S.Hosmath, M.B.Gorwar, Rakesh Tapaskar, P.P.Revankar	
	Tea Break 11 to 11.15am			

SESSION 5		Time: 11.15 to 12.45pm	Date: 27.7.2018
Sl.No	Paper-ID	Title	Authors
1.	MB_06	Student, Institution and Industry Track Experience: A Blend in Course Learning	Jayanti Belur, G.S.Hiremath, S.V.Patil
2.	ME_01	Smart Way of Teaching and Learning Mechanics of Materials course	Nagaraj Ekabote, G. U. Raju, Krishnaraja G. Kodancha, S. V. Khandal
3.	EC_04	A Step Towards Introducing Data Analytics and Visualization for Students of Electrical Science: An Initiative Through Machine Learning Course	Uma Mudenagudi, Ujwala Patil, Suneeta Budihal, Ramesh Ashok Tabib,
			Shruti M, Satish C, Nalini Iyer, Ashok Shettar
4.	ME_03	Integrating Theme based curriculum design to the existing curriculum structure for strengthening Post graduate studies in higher engineering education.	Vinayak N Kulkarni, V.N. Gaitonde and B.B.Kotturshettar
5.	EC_11	Hardware-in-the-loop (HIL) simulation technique for an automotive electronics course	Prabha C. Nissimagoudar, Venkatesh Mane, Gireesha H.M, Nalini C. Iyer
		Lunch Break 12.45 to 1.45pm	

SESSIC	DN 6	Time: 1.45 to 3.15pm	Date: 27.7.2018	
Sl.No	Paper-ID	Title	Authors	
1.	FY_05	Transformation from Jugaad Mind-set to Engineering Mind-set: A PBL approach	Sanjeev Kavale , Preethi Baligar and Gopalkrishna Joshi	
2.	FY_01	An Experience of Implementing Agile Project Management Practice in Freshman Course	Jyoti Gadad, Kaushik M, Gopalkrishna Joshi	
3.	FY_02	Exploring the capabilities of Freshman Students in Problem Formulation and Ideation Phases of Design Thinking	Kaushik M, Gopalkrishna Joshi	
4.	MB_03	Use of social media in flipped class room delivery: opportunities and challenges	Chetan V. Hiremath	
5.	MB_04	Programme outcomes attained in the journey of "rural immersion track"	Sagar Patil, S. V. Patil	
	Tea Break 3.15 to 3.30 pm			

N 7	Time: 3.30 to 5pm	Date: 27.7.2018
Paper-ID	Title	Authors
ME_05	Employability Driven Innovative Curriculum	B. B. Kotturshettar, Ashok S.
	Interventions in Mechanical Engineering Program	Shettar
ME_06	CAD Modelling and Analysis linked Minor Project-	U.P.Hosmani,G M
	A new design initiative in Mechanical Engineering	Hiremath, Shivaprasad
	UG Programme	Mukhandmath,Shreedhar,
		Balachandra Halemani,
		Gireesha Chalageri,Santosh
		Billur, Vinay Tigadi Arun Patil,
		Shivangouda Patil
ME_08	Conducting Engineering Design and Product	Gururaj Fattepur, Nagaraj
	Realization course across Multidisciplinary domains.	Ekbote, Shrishail Pattanshetti,
		Shivashankar Huddar, Koushik
		M, Leah Joshi,Somashekar
		Patil, Mallikarjun Akki,
		Veeresh
		Balikai, B.B.Kotturshettar
EC_07	Technology Enabled Active Learning for	Ramakrishna.S, H.M.Kelagadi,
	Electromagnetic Waves and Theory	Soumya Patil, Priyatamkumar
BT_03	An Integrated Pedagogical Approach for Effective	S.V. Desai, Zabin K. Bagewadi
	I eaching of Research Methodology Course at Undergraduate Level	and Uday M. Muddapur
	Paper-ID ME_05 ME_06 ME_08 EC_07	Paper-ID Title ME_05 Employability Driven Innovative Curriculum Interventions in Mechanical Engineering Program ME_06 CAD Modelling and Analysis linked Minor Project- A new design initiative in Mechanical Engineering UG Programme ME_08 Conducting Engineering Design and Product Realization course across Multidisciplinary domains. EC_07 Technology Enabled Active Learning for Electromagnetic Waves and Theory BT_03 An Integrated Pedagogical Approach for Effective Teaching of Research Methodology Course at



KLE Technological University, Hubballi

Faculty Conclave 2017-2018

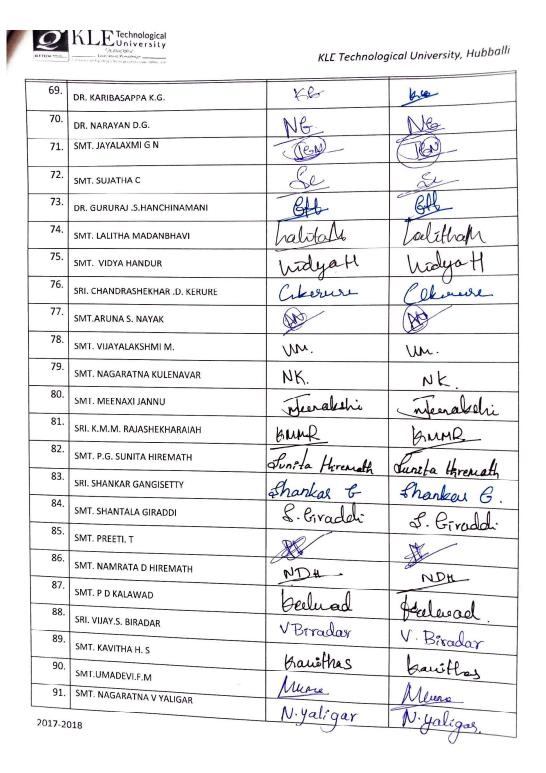
Attendance Sheet

SI No	Faculty Name	Attendance		
		Day 1	Day 2	
1. 9	SMT. VINAYA HIREMATH	V. Hiremath	V. H. resmath	
2.	SRI. GURURAJ. JOSHI	Guleing T	Gebulg: H	
3.	SMT. GEETANJALI RAO	Card	Qual	
4.	SRI. SOMASHEKHAR V DHOTRAD	Dhotrad S	Dhothrads	
5.	SRI. M.M. DANDIN	MMParchin	MM.Dandin	
6.	SRI. H.S. PATIL	Hetil	-fatil	
7.	SRI. SHARANABASANAGOUDA S GOUDAR	S' Goudeur	5-boudal	
8.	SRI. KALPESHKUMAR PATEL	K. Patel	K. patel.	
9.	SMT. ROHINI MALAGI	Hononi	Pohine-	
10.	SMT. DEEPA A MANE	Hane	Mane	
11.	SRI. SHASHIDHAR N KUBSAD	Sheepsad	Autesoid	
12.	SRI. ABHISHEK. S. PATIL	Apatie	Apeilil	
13.	SRI. SANDEEP A HARAPANAHALLI	Sandaepff	Sandepff	
14.	SRI. PRADEEP E PATIL	- PPal-il	P. pali	
15.	SRI. HARISHKUMAR B.P.	Pet-	Batta	
16.	SMT. DIVYA SHARMA	Sligka	Strupa	
17.	SMT. JAYASHREE B SHETTAR	J.Sheltas	Tehollar	
18.	DR. RAVI C GUTTAL	R. Bultal	Rfulfal	
19.	SMT. JYOTI.S. BALI	ThetiB	- Anothing	
20.	SRI. VINODKUMAR.V. METI	V.met:	U.met:	
21.	SRI. NAGARAJ M BENAKANAHALLI	hagara R	Altrea P	
22.	SRI. AMIT L. TALLI	Ap-	Ho Ney sogo	
23	SRI. SRIDHAR DODDAMANI	TD-	40	

Aller Harry	Constructions	KLE Technolog	ical University, Hubbo
24.	SMT. ASHWINI G K	Alak	Alek
25.	SMT. SHILPA V TANVASHI	- F	A
26.	SRI. PRAJANKYA SONAR	Bana -	Ronal.
27.	SMT. CHENNAMA B KOLANUR	CR	CHL
28.	SRI. DODDABASABBA A MAREBAL	Dave	Leage
29.	DR. UDAY M MUDDAPUR	Ormuddager	Unridagen
30.	SRI. LAXMIKANT.R. PATIL	LRPatil	· · · ·
31.	DR. (SMT). ZABIN.K. BAGEWADI	Talente	Zalant
32.	DR.SHIVALINGSURJ V DESAI	Superai	Superai.
33.	SRI. ANIL RAMDAS SHET	effeket.	athet.
34.	SRI. GURURAJ TENNALLI	G.	B.
35.	SRI. DEEPAK.A.YARAGUPPI	Deepak y	Deepaky
36.	SRI. SHARNAPPA A	-	
37.	DR. S.S.QUADRI	SSQuadrai	Dadri
38.	DR. S.S.BHAVIKATTI	S.S.B	S.S.B
39.	DR. S.A. ANNIGERI	SAnniqui	SAnnigeli
40.	DR. M.V.CHITAWADAGI	Auce	Ang
41.	DR. S.S.DYAVANAL	Spejananal	Seguranal
42.	DR. S S.HONNANAGOUDAR	SSH	Self
43.	SMT, GEETA.C.BELLAD	Beeta B Basavarajle Patrive	Beeta B Basavaraje Patrime
44	SRI. L.R.BASAVARAJ	Basavarajle	Basavarajt
45	DR. M.R.PATIL	Cation U	Datime

2017-2018

	C. Roahine, Vallayi Level a plane P. Chandedge et Businese Busine rational factore and	KLE Technolog	iical University, Hubb
	DR. A.M.HUNSHYAL		
47.	SRI. VIJAYKUMAR S. K	(Ja)	UD
48.	SRI. V.P.PATIL	UPPaliel	uppatel
49.	SRI. S.A. HULLUR	Atthellue	Stiller
50.	SMT. PREMA MALALI	Frabato.	Pralati
51.	SRI. GURUNATH KAMPLI	CED	
52.	SMT. KHALIDA H M	Shahalha	Spalida
53.	MS. NIKITA KESHAV	Nekstak	Nelletat.
54.	SRI. CHAITANYA S AKKANNAVAR	ChaitahyaSA	Chaibanejo
55.	SRI. FATHEALI A SHILAR	Fathchali	Pathenali (
56.	SRI. SHASHWATH M N	SN .	SN.
57.	SRI. SHIVARAJ HALIYAL	Shivaraj H	Shiveray H
58.	SRI. BASANAGOUDA I PATIL	Blatch	Beatil
59.	MS. ROOPA A KURI	Tewi	Phure
60.	DR.V.C. HAVANUR	Ver.	Lieby.
61.		Amjean	Angijan
62.		Ramadeeii	Pairadaui
63	DR.(SMT). S. DHANALAKSHMI	Phanalaksho	Dhanakakel
64	SRI. S.R. KURUNDAWADE	Stet	SRK
65	DR.(SMT) MEENA S MARALAPPANAVAR	Concerca	macesna
66	DR. V P BALIGAR	VPBaliget	Up Baliago
	 DR. SATYADHYAN CHICKERUR B. DR. SHASHIKUMAR G. TOTAD 	Fedderis	Scheckersu.



Q KIETECH MARA	Crocket Vision Crocket Vision University Visional March Vision Visional March Visional March Vi	KLE Technologi	ical University, Hubballi
92.	SRI. PARIKSHIT P HEGADE	Pflegal	Pfligde
93.	SRI. MANJUNATH K GONAL	GanalM.	BonalM
94.	SRI. P.M. DHULAVVAGOL	Eng	(Ro-
95.	SRI. ANAND.S. METI	A.Meti	Ameti
96.	SRI.MAHESH.S.PATIL	Mahesh.P	Mahesh P
97.	SRI. V.H. BHAJANTRI	Bhajantri	Bhajantri
98.	SMT. MANJULA K. PAWAR	Niferiar.	Marcars
99.	SRI. SHIVALINGAPPA BATTUR	SBatter	SBatter
100.	SRI PRAVEENRAJ	ProduciRay	PaomerPin
101.	MS. NITYA N KULKARNI	Nelsjak U	Nityak
102.	SRI. PRAKASH B. HEGDE	Plegde	-Ptlegse
103	SMT. MAHALAXMI BHILLE	Meile	Nolle I.
104	SMT. NIRMALA.S. PATIL	NRelil	Alatis
105	SMT.INDIRA BIDARI	Indira B	Índira B
106	SRI. UDAY KULKARNI	(le)	tes
107	· SRI. VISHWANATH.G. GARAGAD	V. Cargal	V. Bargael
108	. SRI. DEEPAK KUMAR MEHTA	Drelif	Pholita
109	SRI. HAREESH HEBBALLI	Haresh H	flarees h H
110). SRI. SACHIN SHETTY	55-	-
112	L, MS. MADHURA SHETTAR	No	KD
113	2. SRI. MOHAMMED MOIN MULLA	moinnella	moinnella
11	3. DR. P. SUBBANNA. BHAT	SPiet	5Bot
11	4. DR. (SMT) R.M. BANAKAR	RMB	RMB

2017-2018

7



KLE Technological University, Hubballi

115.	DR. A.V. NANDI	# V. Nandi	4. V. Naroli
116.	DR. (SMT) UMA. K. MUDENAGUDI	Ume	Uma
117.	DR. G PRIYATAM KUMAR	Har	Plan
118.	DR(SMT). NALINI IYER	NILYE	Negel
119.	DR. (SMT) SAROJA V SIDDAMAL	Saioja	Soroja
120.	SMT SUJATA .S. KOTABAGI	Stotbagi	StolDagi
121.	SMT. UJWALA PATIL	Upalil	Upatil.
122.	SMT. R.V.HANAGAL	RÉ	₽₽₽.
123.	SMT. TANUJA R PATIL	- TRati [(Preta)
124.	SMT. SUNITA V BUDIHAL	Sunila B	SuntaB
125	SMT. P. C. NISSIMGOUDAR	P.C. Nissings	P.C.Xlicorangent
126	. SRI. ARUN L KAKHANDKI	Aus	Daus
127	SMT. ROHINI.S. HONGAL	Alongal	Rolongal
128	SRI. SUHAS B SHIROL	chieof	shirt
129	SRI. SATISH S CHIKKAMATH	een	th
130). SRI. GIREESHA H.M	GHM	GHM
131	SMT. JYOTI RAVIKUMAR	Havitan?	Rovitanez
132	2. SMT. HEERA G WALI	Rual	(theybe.
13	SRI. RAGHAVENDRA.M. SHET	Schnet	Pohet.
13	SRI. KIRAN M. R.	Kires	Kiran
13	SMT. SOUMYA S PATIL	BRof. 1	Set.1
13	SMT. VIJAYA S ELIGAR	High	Vifay.
13	77. SRI. SHAMSHUDDIN K.	Howelderto	Docues uddin 10

2017-2018

CH Martine	Crucine value Crucine value Low Leffer Kinekedege Low Leffer Kinekedege	KLE Technolo	gical University, Hubba
138.	SRI. S.M. PATTANASHETTI	Alghetti	A Saghelli
139.		Sul.	Ford.
140.	SRI. SANJAY S ELIGAR SRI. SHIVASHANKAR A HUDDAR	Budder	Suddaz_
141.		Romes	fame.
142.	SRI. PRASHANT V ACHARI	de-	de
143	SRI. ANIL M KABBUR	Aul	Divil
144	· SRI. RAMESH A TABIB	BB	RB
145	· SMT. RAJESHWARI S MATTIMANI	ADV-	AM
146	MS. SHRUTI P MARALAPPANAVAR	Shut	Sheut
147	. SRI. VENKATESH R MANE	-AB-	Maria
148	B. SRI. SHASHIDHAR S NEELAKANTHMATH	Shashid his	Shashidhaz
149	9. SMT. NAGARATNA SHANBHAG	Shankey-	Shanbog
150). SRI. AMARJEETSINGH R THAKUR	₩₽.	AP
151	SMT. SHRADDHA B. HIREMATH	Soligrenath	\$ joremath
152	2. SMT. PREETI S PILLAI	P. Pillar	P. Piller
153	MS. SOUMYA BAKALE	SounijaB.	Sourrya B.
154	SRI. RAVI V HADLI	Dani	Lani
155	MS. DEEPA S BETAGERI	Deepa	Deerpa
156	DR. R.S.KARNIK	R	ß
157	SRI. S.B. ARTAL	de	Apar
158	SMT. J.C.PATTANSHETTI	4	S₽
159	9. SMT. MINAL S SALUNKE	line	-AB

2017-2018

	Cruche Volte	KLE Technologi	cal University,
	SRI. ANOOPKUMAR. PATIL	AM_	All
161.	MS. ANUPAMA R ITAGI	Amilagi	Amilagi
162.	SRI. KIRAN R PATIL	1ª	A.
163.	SRI. SACHIN ANGADI	Argoli	Angoal
164.	SMT. LEAH S JOSHI	Hosti	-Ush
165.	MS. SUSHMA V	Sus fina	Sushp
166.	SRI. JAVEED KITTUR	No Pattur	Ju F
167.	SMT. KAVITA CHACHADI	(pur	Co.
168	SRI. HANUMANTHAGOUDA R PATIL	Flbatil.	1-pal
169	. SMT. SHILPA KAMATH	Shilpe	Shilper
170	D. MS. SHWETA KORADDI	Koraddis	Koraddi
17	1. MS. ANJANA RAICHUR	100	All -
17	2. SMT. SUJATA N M	Alliate	Alata
17	^{23.} SMT. JAYANTI D SHINGE	jayanti	jaya
1			11001-

ical University, Hubballi

03 Sushp Atur horaddis ta le dolli 174. SMT. ANUSHA KODOLLI 175. SMT. GEETA S MARALAPPANAVAR Bado 176. SMT. ARCHANA GADAG 177. anali DR. G.B. MARALI 178. DR.(SMT). UMA NEELI 179. AB SRI. Y.M. UMATHAR FB 180. DR. BHARATI M SHETTAR 181. DR (SMT). DAKSHYANI. R MAMMIGATTI 182. DR. M.B. PAGE ge 2017-2018

Q	KLE Technological		
RLE TECH Manufacture	Levin anise Connect Co	KLE Technolog	ical University, Hubballi
183.	DR(SMT). SHAILA.V. CHOUGALA	the	Mar
184.	SMT. SUMEDHA.S. SHINDE		
185.	SMT. ROOPA. S. ALGUR	f=	Lung
186.	DR. NARAYANA SWAMY	Salany	Delicanag
187.	DR. GURURAJ N. BHADRI	-AB-	AB-
188.	SMT. P VINOTHINI ACHARYA	Cube	Such
189.	SMT. NIVEDITA S KABBUR	all	bile
190.	SRI. ROSHAN KUMAR ARYA	Asure	A
191	SMT. JYOTI SIDNAL	Folnal.	Esidnal
192	DR. B.B.KOTTURSHETTAR	BRAtushettar.	EP to Hurshilte
193	SRI. T. VEERAMAHANTESH SWAMY	Thomy	Thank
194	DR. K.G.KODANCHA	Kodenel	forder
195	DR. ANIL S. BADIGER	JLD.	A
19	5. DR. SANJAY V KOTABAGI	Skotabage	Skotabaye
19	7. SRI. C.M. KOTI	Cloth	Ctotti
19	8. DR. P.P. REVANKAR	Perarker	Revarkor
19	9. DR I.G.SIDDHALINGESHWAR	18	G
20	DR. G. D. 8700	Paju	Payor.
20	DR. GIREESH N M	Gircesh NM	lecorsh Nm
	D2. SRI. V.A.GOUDAR	V.A. Goudas	MA. Goudar
	D3. SRI. RAMACHANDRA L	R .	R
	04. SRI. UMESH P HOSAMANI	Anceh	Unach
2	05. SRI. B.S.KAKOL	tadocal	Laokol.

2017-2018

ICH TEXT

	an a	KLE Techno	ological University, Hubba
206.	SRI. VEERESH G BALIKAI		
207	SRI. M.B. GORWAR	Verneh	Vensh
208	DR. SACHIN KARADGI	M.B.	MB
209		Radegi	Skierady + ' CHaremath.
210.	SRI. G. M. HIREMATH	Ett:renath	CHarenalt.
	SRI. VINAYAK.P. KHATAWATE		(A)
211.	SRI. NAGARAJ L EKABOTE	Nograj	Magaj
212.	SRI. ADARSH PATIL	Afaile/	APati/
213.	SRI. M C. CHOUKIMATH	MCM.	pien.
214.	SRI SHREESHAIL M L	SM	SML
215.	SRI S M MUKHANDMATH	MR	har-
216.	SRI SRIDHAR M		
217.	SRI. ADITYA DESHPANDE	Ims	aus
218.	SRI. RAJASHEKHAR S SAVADI	TABLENT-	-ABSENT-
219	SRI. SHIVANANDAGOUDA R PATIL	S. Pati)	S. Patil
220	SRI.ARUN Y PATIL	Aaun	Arun
221	. SRI. SANTOSH G BILLUR	Southers.	() all u
222	SRI. ASHWIN R KUBASADGOUDAR	Que	August a
223	SRI. KISHORE UPADHYAYA	Hickory	Kirloz
224	SRI. ANANDRAJ	AP.	AR
225	SRI. JANGLI SATISH	Bentish	Jeatish
226	5. SRI.MADHUSUDHANA H.K.	NHH	NATI
227	SRI. PRAVEEN KUMAR PETKAR	Telkas	Pathon -
228	3. SRI. BALACHANDRA S. HALEMANI	a the second	tonter

	 C. Normanik, Episodegi, Microlig, Colore Couple (Refer), pro- ter Normanik, Episodegi, Microlig, Colore Couple, Refer), pro- 	KLE Techno	logical University, Hubb
229.	DR. SHANKAR A HALLAD		
230.		Stallad	Falled
221	DR. S V. GANACHARI	S. V. Gu	S.V.Gu
231.	DR. JAYACHANDRA S YARADODDI	- ABSERIT-	-ARGAIT
232.	SRI. RAKESH P. TAPASKAR	Minhas	TELONOSCO
233.	SMT. LEEMA ROSE VIANNIE	- Mapara	Kiputt
234.	SRI. VINAYAK KULKARNI	Wa	(WD)
235.	SRI. R.S.HOSAMATH	Himath	formeth.
236.	SRI. GIRISH CHALAGERI	Gru,	Com
237.	DR. MOHAMMAED YUNUSKHAN TATAGAR	Mul	That
238.	DR. PRASANNA RARAVI	Richer	Renfin
239	SRI. S.V. KHANDAL	BUB	dub
240	. SRI. SANJAY.V. KULKARNI	- ABENT-	Sub
241	SRI. SANJEEV KAVALE	8	St.
242	. SRI. VINAY S TIGADI	VT jadi	Wired
243	SRI. RAKESH PATIL	R Patil	Rpatil
244	DR.S.V.PATIL	SV. Parti	S.V. Pati/
245	DR. N.G. CHACHADI	NEchaehdi	NEchaehdi
246	SRI. GURUBASAVARAYA HIREMATH	Gun	Adum
247	7. DR. MAHANTESH HALAGATTI	Net	Mil
248	SRI. NAGARAJ.R. NAVALGUND	N. Navalgund	N. Navalgund
249	SRI. SAGAR.B. PATIL	Pality	
25	D. MS. JAYANTI M. BELUR	And I.	-ABSEAIT-
25	1. SRI. CHETAN V HIREMATH	Cheton.ff	Meyanli

252 SRI. SHASHIDHAR S MAHANTSHETTY Sur Sur 253 DR. PRAKASHGOUD PATIL Hitle Hitle 254 DR. P. S. HIREMATH P. S. HTY Emoath P. S. HTY Emoath 255. SRI. S V SEERI Beeri Herri 256. SMT. SUNITA K. SALIMATH Balinalh Balinalh 257. SRI. ASHOK K. CHIKARADDI Multimath Balinalh 258. SMT. SUJATA R. KULKARNI Multimath Builton 259. SMT. SUJATA R. KULKARNI Multimath Multimath 260. SRI. AMIT.V. KACHAVIMATH Multimath Multimath 261. SMT. SUJONI SV BUG Mi SV BUG Mi 262. SRI. PRAVEENKUMAR S M Bins Builton 263. DR. S.B. KAPATKAR Bins Builton Sumpatha 264. DR. N.R. PATIL Mediat Agaal 265. DR. A. S. BENNAL D. S. Bennal Builton 265. DR. A. S. BENNAL D. S. Bennal D. S. Bennal 266. SMT. VARSHA.V. KOPPAL Vagaal Magaal 267. SMT. VARSHA.V. KOPPAL	r		KLE Technolo	gical University, Hub
SRI. SHASHIDHAR S MAHANTSHEITY Sur Sur 253. DR. PRAKASHGOUD PATIL July July 254. DR. P.S. HIREMATH P.S. Hiremath P.S. Hiremath 255. SRI. S V SEERI Sur Sur Sur 256. SMT. SUNITA K. SALIMATH Sur Sur Sur 257. SRI. ASHOK.K. CHIKARADDI Sur Sur Sur 258. SMT. SUJATA R. KULKARNI Sur Sur Sur 259. SMT. DEEPA C. MULIMANI D. Mulima Ni D. Mulima Ni 260. SRI. AMIT.V. KACHAVIMATH Drnt Sur 261. SMT. SUBUDNI SV Budni SV Budni 262. SRI. PRAVEENKUMAR S M Bus Bus 263. DR. S.B. KAPATKAR Bus Bus 264. DR. N.R. PATIL Bus Bus Bus 265. SMT. VEENA.H. CHOUDAPUR Pros Bus Bus 265. DR. A. S. BENNAL D. S. Benaal D. S. Benaal D. S. Benaal 265. DR. A. S. BENNAL D.S. Benaal D. S. Benaal D. S. Benaal	252		,	gical Oniversity, Hab
253. DR. PRAKASHGOUD PATIL Dr. D		SRI. SHASHIDHAR S MAHANTSHETTY	0	0
254. DR. P.S. HIREMATH P.S. threemath P.S. Hiremath 255. SRI. S V SEERI Deeri Deeri 256. SMT. SUNITA K. SALIMATH Delimeth Delimeth 257. SRI. ASHOK.K. CHIKARADDI Delimeth Delimeth 258. SMT. SUJATA R. KULKARNI Delimeth Delimeth 259. SMT. DEEPA C. MULIMANI D. Mulimath Delimeth 260. SRI. ASHOK.K. CHIKARADDI D. Mulimath Delimeth 261. SMT. DEEPA C. MULIMANI D. Mulimath D. Mulimath 262. SRI. AMIT.V. KACHAVIMATH Demit Amit 263. SMT. S.V.BUDNI S.V.BUDNI S.V.BUDNI 264. DR. S.B. KAPATKAR Delapatkau Delapatkau 265. SMT. VEENA.H. CHOUDAPUR Delamath D.S. Bennal 266. SMT. VEENA.H. CHOUDAPUR Vaena Vaena 267. SMI. VARSHA.V. KOPPAL Vagnal Magneth 268. SRI.GANGADHAR V MUDDAPUR Vaena Caena 267. SMI. VARSHA.V. KOPPAL Vaena Sangeta 268. SRI.GANGADH	253.		()	1 de
DR. P.S. HIREMATH P.S. HTYREMATH P.S. HTYREMATH 2255 SRI. S V SEERI Beeri Beeri 2256 SMT. SUNITA K. SALIMATH Balinadh Balinadh 2257. SRI. ASHOK.K. CHIKARADDI Aller Aller 258. SMT. SUJATA R. KULKARNI Balinadh Balinadh 259. SMT. JEEPA C. MULIMANI D. Muli ma No D. Mulima 260 SRI. AMIT.V. KACHAVIMATH D.Muli ma No D. Mulima 261 SMT. S.V.BUDNI S.V.BUGNI S.V.BudNi 262. SRI. PRAVEENKUMAR S.M Bud Ni Provident 263. DR. S.B. KAPATKAR Bkapatkar Budnakar 264. DR. N.R. PATIL Neffil Nafil 265. SMT. VEENA.H. CHOUDAPUR Bena Provident 266. SMT. VEENA.H. CHOUDAPUR Veena Veena 267. SMT. VARSHA.V. KOPPAL Kapacl Sangeta 268. SRI.GANGADHAR V MUDDAPUR Ghum Ghum 267. SMT. VARSHA.V. KOPPAL Kapacl Sangeta 268. SRI.GANGADHAR V MUDDAPUR Ghum <t< td=""><td></td><td>DIX. FRAKASHGOUD PATIL</td><td>Qti</td><td>Potri</td></t<>		DIX. FRAKASHGOUD PATIL	Qti	Potri
SRI. S V SEERI SRI. S V SEERI SMT. SUNITA K. SALIMATH Salimath Salimath Salimath Salimath Salimath Salimath Salimath Salimath Salimath Salimath SMT. SUJATA R. KULKARNI SMT. DEEPA C. MULIMANI D. MULIMAN D. MULIMAN D. MULIMAN D. MULIMAN D. MULIMAN D. MULIMAN D. MULIMAN D. MULIMAN SV BUDNI SV B	254.	DR. P.S. HIREMATH		lover
 256. SMT. SUNITA K. SALIMATH 257. SRI. ASHOK.K. CHIKARADDI 258. SMT. SUJATA R. KULKARNI 259. SMT. DEEPA C. MULIMANI 260. SRI. AMIT.V. KACHAVIMATH 261. SMT. S.V.BUDNI 262. SRI. PRAVEENKUMAR S M 263. DR. S.B. KAPATKAR 264. DR. N.R. PATIL 265. DR. A. S. BENNAL 265. DR. A. S. BENNAL 266. SMT. VARSHA.V. KOPPAL 267. SMT. VARSHA.V. KOPPAL 268. SRI. SANGEETA. KOLAVEKAR 269. SMT. SANGEETA. KOLAVEKAR 269. SMT. SANGEETA. KOLAVEKAR 260. SRI. SHI SANGEETA. KOLAVEKAR 261. SRI. SANGEETA. KOLAVEKAR 271. MS. NEHA G PATIL 272. DR. NITIN G KULKARNI 273. CR. DARGETAMINI 	255.		P.S. Hiremath	P.S. Herem
 256. SMT. SUNITA K. SALIMATH 257. SRI. ASHOK.K. CHIKARADDI 258. SMT. SUJATA R. KULKARNI 259. SMT. DEEPA C. MULIMANI 260. SRI. AMIT.V. KACHAVIMATH 261. SMT. S.V.BUDNI 262. SRI. PRAVEENKUMAR S M 263. DR. S.B. KAPATKAR 264. DR. N.R. PATIL 265. DR. A. S. BENNAL 266. SMT. VEENA.H. CHOUDAPUR 266. SMT. VEENA.H. CHOUDAPUR 267. SMT. VARSHA.V. KOPPAL 268. SRI.GANGADHAR V MUDDAPUR 268. SRI. GANGADHAR V MUDDAPUR 268. SRI. SANGEETA. KOLAVEKAR 269. SMT. SANGEETA. KOLAVEKAR 270. SRI. SHIVARAJ B RADDER 271. MS. NEHA G PATIL 272. DR. NITIN G KULKARNI 273. COLORGENIUM 		SRI. S V SEERI	Deeri	Reesi
257. SRI. ASHOK.K. CHIKARADDI 258. SMT. SUJATA R. KULKARNI 259. SMT. SUJATA R. KULKARNI 259. SMT. DEEPA C. MULIMANI 260. SRI. AMIT.V. KACHAVIMATH 261. SMT. S.V.BUDNI 262. SRI. PRAVEENKUMAR S M 263. DR. S.B. KAPATKAR 264. DR. N.R. PATIL 265. DR. A. S. BENNAL 266. SMT. VEENA.H. CHOUDAPUR 266. SMT. VEENA.H. CHOUDAPUR 267. SMT. VARSHA.V. KOPPAL 268. SRI.GANGADHAR V MUDDAPUR 268. SRI.GANGADHAR V MUDDAPUR 269. SMT. SANGEETA. KOLAVEKAR 270. SRI. SHIVARAJ B RADDER 271. MS. NEHA G PATIL 272. DR. NITIN G KULKARNI 273. ON DESERVICE WILL WILL AND W	256.	SMT. SUNITA K. SALIMATH		$\mathcal{O} \mathcal{O} \mathcal{O}$
SRI. ASHOK.K. CHIKARADDI Aller Aller 258. SMT. SUJATA R. KULKARNI SMULTAR. SMULTAR. SMULTAR. 259. SMT. DEEPA C. MULIMANI D. Mulitmani D. Mulitmani 260. SRI. AMIT.V. KACHAVIMATH Amit Amit 261. SMT. S.V. BUDNI SV Budni, SV Budni, 262. SRI. PRAVEENKUMAR S M Bus Ben 263. DR. S.B. KAPATKAR Bragetkar Spanpatkar 264. DR. N.R. PATIL Market Parket 265. DR. A. S. BENNAL D. S. Benaal P. S.Bena 266. SMT. VEENA.H. CHOUDAPUR Veena Veena 266. SMT. VEENA.H. CHOUDAPUR Veena Veena 267. SMT. VARSHA.V. KOPPAL Kappal. Kappal. 268. SRI.GANGADHAR V MUDDAPUR Kappal. Kappal. 269. SMT. SANGEETA. KOLAVEKAR Sangeeta Sangeeta 270. SRI. SHIVARAJ B RADDER S.B. Paaddau SBRaddal 271. MS. NEHA G PATIL N. G. P N. G. P 272. DR. NITIN G KULKARNI Ku	257.		Salimeth	Salinal
SMT. SUJATA R. KULKARNIStallfallStallfall259.SMT. DEEPA C. MULIMANID. Multima NiD. Multima Ni260.SRI. AMIT.V. KACHAVIMATHD. Multima NiD. Multima Ni261.SMT. S.V.BUDNISV BudniSV Budni262.SRI. PRAVEENKUMAR S MBmsBu263.DR. S.B. KAPATKARBhapatkaeAppatkae264.DR. N.R. PATILMafulNapatkae265.DR. A. S. BENNALD. S. BenaalD. S. Bena266.SMT. VEENA.H. CHOUDAPURVaenaVaena267.SMT. VEENA.H. CHOUDAPURVaenaVaena268.SRI.GANGADHAR V MUDDAPURGhuGms269.SMT. SANGEETA. KOLAVEKARSargetaSargeta270.SRI. SHIVARAJ B RADDERS. B. RaddeuSARadd271.MS. NEHA G PATILN. G.PN. G.P272.DR. NITIN G KULKARNIMultamiMultami		SRI. ASHOK.K. CHIKARADDI	ann	Ann
259. SMT. DEEPA C. MULIMANI D. Muli maris D. Mulima 260. SRI. AMIT.V. KACHAVIMATH D. Muli maris D. Mulima 261. SMT. S.V.BUDNI SVBUDNI SVBUDNI SVBUDNI 262. SRI. PRAVEENKUMAR SM Pms Rep 263. DR. S.B. KAPATKAR Brapatkae Repatha 264. DR. N.R. PATIL Repatha 265. DR. A. S. BENNAL D. S. Bennal D.S. Benn 266. SMT. VEENA.H. CHOUDAPUR Veena Veena 267. SMT. VARSHA.V. KOPPAL Veena Veena 268. SRI.GANGADHAR V MUDDAPUR Ghu Gun 268. SRI.GANGADHAR V MUDDAPUR Ghu Gun 269. SMT. SANGEETA. KOLAVEKAR Sargelto Sargeto 260. SMT. SANGEETA. KOLAVEKAR Sargelto Sargeto 270. SRI. SHIVARAJ B RADDER S. B. Radder SBRadder 271. MS. NEHA G PATIL N. G.P. N.G.P. 272. DR. NITIN G KULKARNI	258.	SMT. SUJATA R. ΚΙ ΙΙ ΚΑΡΝΙ	OL IN	2010
SMT. DEEPA C. MULIMANID. MulimaniD. Mulimani260.SRI. AMIT.V. KACHAVIMATHImtImit261.SMT. S.V.BUDNISVBUDNISVBUDNI262.SRI. PRAVEENKUMAR S MImaIma263.DR. S.B. KAPATKARImaIma264.DR. N.R. PATILImaIma265.DR. A. S. BENNALImaIma266.SMT. VEENA.H. CHOUDAPURImaIma267.SMT. VEENA.H. CHOUDAPURImaIma268.SRI.GANGADHAR V MUDDAPURImaIma269.SMT. SANGEETA. KOLAVEKARSargeetaSargeta270.SRI. SHIVARAJ B RADDERS. FRaddeuSBRaddeu271.MS. NEHA G PATILN. G.PN. G.P272.DR. NITIN G KULKARNIMultamiMultami	259.		Startbarry	Stanlar
 260. SRI. AMIT.V. KACHAVIMATH 261. SMT. S.V.BUDNI 262. SRI. PRAVEENKUMAR S M 263. DR. S.B. KAPATKAR 264. DR. N.R. PATIL 265. DR. A. S. BENNAL 265. DR. A. S. BENNAL 266. SMT. VEENA.H. CHOUDAPUR 267. SMT. VARSHA.V. KOPPAL 268. SRI.GANGADHAR V MUDDAPUR 269. SMT. SANGEETA. KOLAVEKAR 269. SMT. SANGEETA. KOLAVEKAR 270. SRI. SHIVARAJ B RADDER 271. MS. NEHA G PATIL 272. DR. NITIN G KULKARNI 273. ON DREFERENCE 		SMT. DEEPA C. MULIMANI	D. Mulimani	D. Mulimar
261.SMT. S.V.BUDNISVBUDNISVBUDNI262.SRI. PRAVEENKUMAR S MBusBus263.DR. S.B. KAPATKARBkapeatkauSkapatkau264.DR. N.R. PATILRapitRapit265.DR. A. S. BENNALD. S. BenaalD. S. Bena266.SMT. VEENA.H. CHOUDAPURVaenaVaena267.SMT. VARSHA.V. KOPPALKaparlKaparl268.SRI.GANGADHAR V MUDDAPURGhunGhun269.SMT. SANGEETA. KOLAVEKARSargeetaSargeta270.SRI. SHIVARAJ B RADDERS. B.	260.	SRI. AMIT.V. KACHAVIMATH	a it	Ar
262.SRI. PRAVEENKUMAR S MDUGTTI SV BUGTTI	261.		ami	Almel
SRI. PRAVEENKUMAR S MPhinPhin263.DR. S.B. KAPATKARBrapatkarBrapatkar264.DR. N.R. PATILRapitRapit265.DR. A. S. BENNALD. S. BenaalD.S. Bena266.SMT. VEENA.H. CHOUDAPURVeenaVeena267.SMT. VARSHA.V. KOPPALKappal.Kappal.268.SRI.GANGADHAR V MUDDAPURGhunGhun269.SMT. SANGEETA. KOLAVEKARSangeetaSangeta270.SRI. SHIVARAJ B RADDERS. P. PadderSPRadder271.MS. NEHA G PATILN. G. PN. G. P272.DR. NITIN G KULKARNIWulfamiMulfami		SMT. S.V.BUDNI	SV Budni	SVBudni
DR. S.B. KAPATKARBrapatkar264.DR. N.R. PATILRapit265.DR. A. S. BENNALD. S. Bennal266.SMT. VEENA.H. CHOUDAPURVeena267.SMT. VARSHA.V. KOPPALKappal.268.SRI.GANGADHAR V MUDDAPURGhu269.SMT. SANGEETA. KOLAVEKARSangeeta270.SRI. SHIVARAJ B RADDERS. B. Paddeu271.MS. NEHA G PATILN. G. P272.DR. NITIN G KULKARNIMultami	262.	SRI. PRAVEENKUMAR S M	Pia	-O.
264.DR. N.R. PATILIstafalkarApatha265.DR. A. S. BENNALD. S. BenaalD. S. Bena266.SMT. VEENA.H. CHOUDAPURD. S. BenaalD. S. Bena267.SMT. VARSHA.V. KOPPALKappelKappel268.SRI.GANGADHAR V MUDDAPURGhunGhun269.SMT. SANGEETA. KOLAVEKARSargeetaSargeta270.SRI. SHIVARAJ B RADDERS. B. P. AddeeSPRaddee271.MS. NEHA G PATILN. G. PN. G. P272.DR. NITIN G KULKARNIWulkamiMulfami	263.			()
DR. N.R. PATILNapil265.DR. A. S. BENNALD. S. Benaal266.SMT. VEENA.H. CHOUDAPURVeena267.SMT. VARSHA.V. KOPPALKappal.268.SRI.GANGADHAR V MUDDAPURGhun269.SMT. SANGEETA. KOLAVEKARSangeeta270.SRI. SHIVARAJ B RADDERS. P. Paddeu271.MS. NEHA G PATILN. G. P272.DR. NITIN G KULKARNIMultani	264		Bragathar	Spapatkae
 265. DR. A. S. BENNAL 266. SMT. VEENA.H. CHOUDAPUR 267. SMT. VARSHA.V. KOPPAL 268. SRI.GANGADHAR V MUDDAPUR 269. SMT. SANGEETA. KOLAVEKAR 269. SMT. SANGEETA. KOLAVEKAR 270. SRI. SHIVARAJ B RADDER 271. MS. NEHA G PATIL 272. DR. NITIN G KULKARNI 273. ON DESERVICE 	264.	DR. N.R. PATIL	Radi	Robel
266.SMT. VEENA.H. CHOUDAPURVeenaVeena267.SMT. VARSHA.V. KOPPALKappeal.Kappeal.268.SRI.GANGADHAR V MUDDAPURGhunGhun269.SMT. SANGEETA. KOLAVEKARSangeetaSangeeta270.SRI. SHIVARAJ B RADDERS.B. PaddeeSBRaddee271.MS. NEHA G PATILN. G.PN. G.P272.DR. NITIN G KULKARNIMultaniMultani	265.	DR. A. S. BENNAL	DCD	
SMT. VEENA.H. CHOUDAPUR Veena Veena 267. SMT. VARSHA.V. KOPPAL Kappal. Kappal. 268. SRI.GANGADHAR V MUDDAPUR Ghun Ghun 269. SMT. SANGEETA. KOLAVEKAR Sangeeta Sangeta 270. SRI. SHIVARAJ B RADDER S.B. Paddeu SBRaddeu 271. MS. NEHA G PATIL N.G.P N.G.P 272. DR. NITIN G KULKARNI Multanui Multanui	266		H.S.Benaal	H.S. Benna
SMT. VARSHA.V. KOPPAL Kappal. Kappal. 268. SRI.GANGADHAR V MUDDAPUR Ghun Ghun 269. SMT. SANGEETA. KOLAVEKAR Sangeeta Sangeeta 270. SRI. SHIVARAJ B RADDER S.B. Paddeu SBRaddeu 271. MS. NEHA G PATIL N.G.P N.G.P 272. DR. NITIN G KULKARNI Multanui Multanui	200.	SMT. VEENA.H. CHOUDAPUR	Vena-	Veena
SRI.GANGADHAR V MUDDAPUR Ghun Ghun 269. SMT. SANGEETA. KOLAVEKAR Sangeeta Sangeeta 270. SRI. SHIVARAJ B RADDER S.B. Paddee SBRaddee 271. MS. NEHA G PATIL N.G.P N.G.P 272. DR. NITIN G KULKARNI Multani Multani	267.	SMT. VARSHA.V. KOPPAL	Kanne	14 2 2
269. SMT. SANGEETA. KOLAVEKAR Sangeeta Sangeta 270. SRI. SHIVARAJ B RADDER S. P. Padder SPRadder 271. MS. NEHA G PATIL N. G.P N. G.P 272. DR. NITIN G KULKARNI Williami Milliami	268.		hapen	rapal.
SMT. SANGEETA. KOLAVEKAR Sangeeta Sangeeta 270. SRI. SHIVARAJ B RADDER S.B. Padder SBRadder 271. MS. NEHA G PATIL N.G.P N.G.P 272. DR. NITIN G KULKARNI Multani Multani		SRI.GANGADHAR V MUDDAPUR	Ghu	GM
SRI. SHIVARAJ B RADDER S.B. Padder SBRadder 271. MS. NEHA G PATIL N.G.P N.G.P 272. DR. NITIN G KULKARNI Kulkami NKulkami	269.	SMT. SANGEETA. KOLAVEKAR	Same to	C
271. MS. NEHA G PATIL S. & Fadder SBRadder 272. DR. NITIN G KULKARNI N. G. P N. G. P 273. OD DOGGENUUS Malfani Malfani	270.	SRI, SHIVARALB RADDER	Jungeete	Dangeta
MS. NEHA G PATIL N.G.P 272. DR. NITIN G KULKARNI 273. OD DOGGENUULARNI	271		S.B. Kadde	5 BRadder
2/3. (3) 0355711111		MS. NEHA G PATIL	N.G.P	
2/3. (3) 0355711111	272.	DR. NITIN G KULKARNI	Nel ultand	NV In
	273.			10
274. SMT. PREETI BALIGAR PLOUD AND PREETI BALIGAR	274			far.

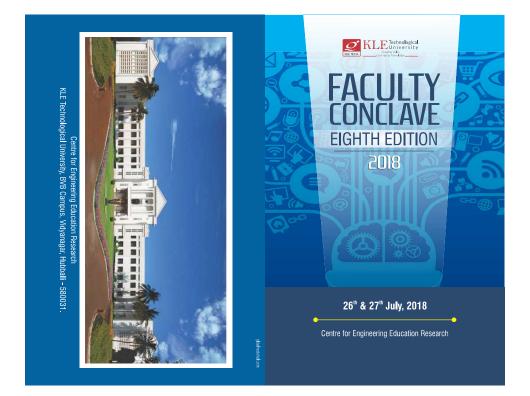
22



Т

KLE Technological University, Hubba

275.	SRI. VINAY M TALAGERI	VHC	
276.	MS. JYOTI GADAD	Gadad	Badael
277.	MS. MADHU V ASUNDI	M	MD
278.	SRI. MANIKANTA S PUJAR	M Pojar.	Mpujay.
279.	SRI. ADARSH BELAVATAGI	Adast	patesh





Message from Vice Chancellor



Message from Director, CEER

-Alexandre

Dear Colleague,

Perrotecture, Promoting innovations, learning from these innovations and evolving best practices are important activities of our transformational journey in engineering education. Faculty Conciace is the platform for all of us to accomplish these and this annual event is therefore a milestone in our continual journey. Institutionalisation of best practices helps all of us in terms of offering quality learning experiences to our students.

I have observed that one of the key success factor for success of many of our initiatives is collaborative team work of our faculty. At KLE Tech we believe in this culture of collaboration and team work. We look forward to many more creative groups working collectively to achieve the desired goals.

a ornering concerned of you for the commitment you have been showing and at the same time remind you of its importance in creating the cossystem that offers quality engineering education to our students.

Regards,

Ashok Shettar Vice Chancellor

Faculty conclave Eighth edition

My dear colleagu

CEER takes pride in hosting the eighth edition of Faculty Conclave during July 26-27,2018. This year's conclave has increased participation from all of you. The number of abstracts received is 49 and is two times more than our last year number. There is also increase in the variety of experimentation happening in engineering education space.

We have introduced poster presentation session this year in addition to regular oral presentation of papers. We hope these two formats help all of us learn from the innovations done by our fellow colleagues.

Alot of efforts have gone in organising this conclave. We thank Dr.AshokSheutar, Vice Chancellor of K.U. Tech, for his encouragement. We also acknowledge the contributions of all those who have volunteered their services as reviewers and event organisors.

Come, let us learn from each other and perform better. Regards

. . .

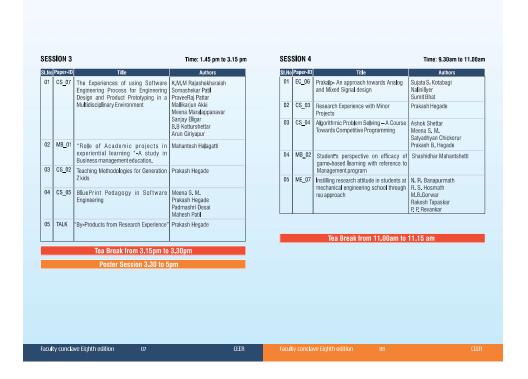
Director, Centre for Engineering Education Researc

Faculty conclave Eighth edition 02

CEER

Responsibility		Timing Day 1 Day 2	
nesponsionity	Team	9.30am Paper Presentation Session Paper Presentation Session 4	
	G. H. Joshi	11.00am Tea Break Tea Break	
o-Ordinator	Professor of Computer Science & Engineering,	11.15am Paper Presentation Session Paper Presentation Session 5	
	Director, Centre for Engineering Education Research	12.45pm Lunch Lunch	
	Aruna S. Nayak	01.45pm Paper Presentation Session Paper Presentation Session 6 3.15pm Tea Tea	
	Associate Prof., School of Computer Science and Engineering	3.30pm Poster Session Paper Presentation Session 7	
	Preeti Baligar		
echnical Committee			
	G. H. Joshi		
	Professor of Computer Science & Engineering, Director, Centre for Engineering, Education Research		
		Themes of Faculty Conclave 2018	
	Associate Prof., School of Computer Science	Invited papers on following themes /categories	
rogram Committee		Invited papers on following tremes / categories	
i i gi uni i i i i i i i i i i i i i i i i i			
	Center for Engineering Education Research	Curriculum innovation	
	Kaushik M,	Experential Learning	
	Assistant Prof. School of Electronics &	Exportinual Edurning	
rint and Publicity Committee Vinay T.	Research Experience		
		Pedagogies in Engineering Education	
anistics		DDI	
ogranoa		PBL	
	Preeti Baligar	Outcome Assessment	
inance	Assistant Prof. Center for Engineering Education Research	Gutoonic Assessment	
		Tech Enhanced learning	
	chnical Committee	Dreactor. Centre for Engineering Education Research Aruna S. Nayak Ascura S. Nayak Associate Prof. Common Development Chinical Committee Aruna S. Nayak Associate Prof. Common Development Associate Prof. Common Development Operation Development Operatin Development Operation Deve	

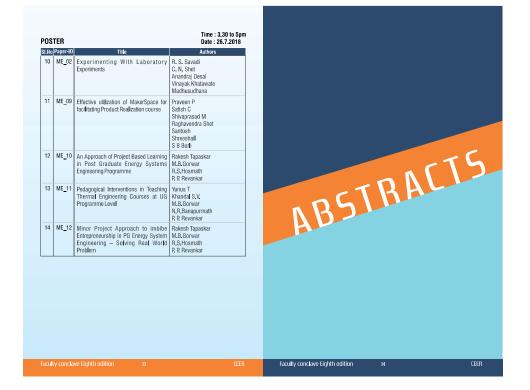
	SION 1		Time: 9.30am to 11.00am				
	Paper-ID EC_08	Title An innovative approach to foster product development in a multidisciplinary environment at Sophomore level in engineering	Authors Sanjay E. Sachin A. Gururaj F. Arun Patil Praveenraj KMMR Nagaraj E. Shilpa T.		SION 2 Paper-ID AR_01	Title HACKATHON—An Activity to Empower Programming skills	Time: 11.15 am to 12.45 Authors Ashwini G K Arunkumar Giriyapur
02	EC_02	Enhancing Optimization Skills in Embedded Stream: Integrated Learning	Rohini S. Hongal S.N. Asundi Predit P. Bhagyashree K. Supriya K. Shrishal Pattanashetti Nalini C. Iyer	02	AR_02 BT_02	Problem solving in Integrated Laboratory using Hackathon Approach Course Projects-An Experiential Learning and Developing Research Culture for Biolechnology Graduates	Jyoti Bali Ashwini G K Shilpa T Sushma T Zabin K. Bagewadi Uday, M. Muddapur
03	EC_01	Enhanced learning experience by comparative investigation of pedagogical approach: Filpped Classroom	Shraddha B H Nalini C.lyer Sujata Kotabagi R.V Hangal Sujata N Nikita Patil Soumya B. Dr. Subbanna Bhat	04	CV_01 CV_02	Enhancing students learnings in Mechanics of Material course through contextual learning Development of Experiential Learning through Course Projects in Concrete Technology Course	Roopa A.K. M.V.Chitawadagi Shivaraj S.Halyal
04	EE_01	Mixed Learning Styles: A strategy for group formation	Javeed Kittur Minal Salunke	_			
05	ME_04	Binding industrial needs by winding curriculum deeds A course on CAD Modelling, Analysis and PLM.	G. M Hiremath B. B Kolturshettar Sridhar, M U. P Hosamani S. G Billur G. R Chalageri A. Y Patil S. R Mukhandmath S. R Patil B. S Halemani V. S Tigadi				



	SION 5 Paper-ID	Title	Time: 11.15 am to 12.45pm Authors		SION 6 Paper-ID	Title	Time: 01.45 Pm to 03.15p Authors
01	MB_06		Jayanti Belur G.S.Hiremath S.V.Patil	01		Transformation from Jugaad Mind-set to Engineering Mind-set: A PBL approach	Sanjeev Kavale Preethi Baligar Gopalkrishna Joshi
02	ME_01	Smart Way of Teaching and Learning Mechanics of Materials course	Nagaraj Ekabote G. U. Raju Krishnaraja G. Kodancha S. V. Khandal	02	_	An Experience of Implementing Agile Project Management Practice in Freshman Course	Kaushik M. Gopalkrishna Joshi
03	EC_04	A Step Towards Introducing Data Analytics and Visualization for Students of Electrical Science: An Initiative Through Machine Learning Course	Uma Mudenagudi	03	FY_02	Exploring the capabilities of Freshman Students in Problem Formulation and Ideation Phases of Design Thinking	
				04	MB_03	Use of social media in flipped class room delivery: opportunities and challenges	Chetan V. Hiremath
			Satish C	05	MB_04	Programme outcomes attained in the	Sagar Pati
			Nalini lyer Ashok Shettar			journey of "rural immersion track"	S. V. Patil
04	ME_03	Enhancing Manufacturing Automation Skills for Production Management Postgraduate Students Through Proper Integration of Theory, Laboratory and Mini-Project Courses					
05	EC_11	Hardware-in-the-loop (HL) simulation technique for an automotive electronics course	Prabha C. Nissimagoudar Venkatesh Mane Gireesha H.M Nalini C. Iyer				
		Lunch Break from 12_45pm	to 1.45pm				

7 5 Employability Driven Innovative Curriculum Interventions in Mechanical Engineering Programme 6 A New Initiative in Mechanical Engineering UG Programme to initroduce Design Philosophy through Minor Project Inked to CAD Modelling and Analysis	Ashok S. Shettar U. P. Hosmani G. M Hiremath Shivaprasad Mukhandmath Shreedhar Balachandra Halemani	SLN0 01 02 03	Paper-ID BT_01 CS_01	Title Implementation of Project-Based- Learning (PEL) approach for Bioinformatics Laboratory Course System Software Activity on Boot Loader Integrated with Operating System	Authors Sharanappa A., L.R.Patil VS.Homabalimath Uday Muddapur Nagarathna D Kulenavar Indira Bidari Vidiya Handur Nirmala Patil
D Trice 5 Employability Driven Innovative Curriculum Hierventions in Mechanical Engineering Programme 6 A New Initiative in Mechanical Engineering US Programme to infoduce Design Philosophy through Minor Project Inked to CAD Modelling and	Authors B. B. Kotturshettar Ashok S. Shettar U. P. Hosmani G. M. Hiremath Shivaprasad Mukhandmath Shivaprata Halemani	02		Learning (PBL) approach for Bioinformatics Laboratory Course System Software Activity on Boot Loader Integrated with Operating	L.R.Patil V.S.Homabalimath Uday Muddapur Nagarathna D Kulenavar Indira Bidari Vidya Handur Nirmala Patil
Curriculum Interventions in Mechanical Engineering Programme Anew Initiative in Mechanical Engineering UG Programme to introduce Design Philosophy through Minor Project Iniked to CAD Modelling and	Ashok S. Shettar U. P. Hosmani G. M Hiremath Shivaprasad Mukhandmath Shreedhar Balachandra Halemani		CS_01	Loader Integrated with Operating	Indira Bidari Vidya Handur Nirmala Patil
Engineering UG Programme to introduce Design Philosophy through Minor Project linked to CAD Modelling and	G M Hiremath Shivaprasad Mukhandmath Shreedhar Balachandra Halemani	03			
Project linked to CAD Modelling and	Shreedhar Balachandra Halemani	03			Nirmala Patil Pooja Shettar Neha P
	Shreedhar Balachandra Halemani Gireesha Chalageri Santosh Billur Vinay Tigadi		CS_08	Design and enhancement of students learning through Project based approach: An experience in loT course	Preeti T Sunil V. Gurlahosur Dr. Meena S. M.
		04	EC_05	A Collabrative approach for skill development and employability	Saroja V Siddamal Shamshuddin K.
8 Conducting Engineering Design and Product Realization course across Multidisciplinary domains.					Heera Wali Vijaya Eligar Nalini C. Iyer
		05	EC_03	Experimenting Curriculum Delivery through Industry Institute Collaborative Domain specific Theme Based Projects	Ujwala Patil Nalini C. Iyer
_	Mallikarjun Akki Veeresh Ba l ikai	06	6 EC_09	innovative teaching methods	Heera Wali Ramesh H Nalini C. Iyer
	Priyatamkumar	07	EC_10	to placements: A Success story	Venkatesh Mane Prabha N
BT_03 An Integrated Pedagogical Approach for S.X. Desai Effective Teaching of Research Zabin K. Bagewadi Methodology Course at Undergraduate Uday M. Muddapur Level	Zabin K. Bagewadi				Gireesh H M Nalini C. Iyer
	Uday M. Muddapur	08	EC_12	Revision of Post graduate Curriculum: Bridging the gap	Rajashekar B. Shettar Priyatam Kumar Nalini Iyer, Rohini Hongal
		09	MB_05	Structural Change of MBA Program at SMSR	S.V.Patil ChetanHiremath Nagaraj R Navalgund
3	An Integrated Pedagogical Approach for Effective Teaching of Research Methodology Course at Undergraduate	Soumya Patil Prystamkumar An Integrated Padagogical Approach for S.V. Desai Effective Teaching of Research Zabin K. Bagewadi Methodology Course 41 Undergraduate Uday M. Muddapur	Sourrya Patil Priyatamkumar An Integrated Pedagogical Approach for S.V. Desa Effective Teaching of Research Zabin K. Bagewadi Methodology Course at Undergraduate Level	Soumya Patil Priyatamkumar An Integrated Pedagogical Approach for Effective Teaching of Research Zabin K. Bagewadi Methodology Course at Undergraduate Level Uday M. Muddapur	Soumya Patil Point Automotive Electronics course project to placements: A Success story An Integrated Pedagogical Approach for S.V. Desai Soumya Patil Point Automotive Electronics course project to placements: A Success story Methodobygy Course at Undergraduate Uday M. Muddapur Point Revision of Post graduate Curriculum: Methodobygy Course at Undergraduate Uday M. Muddapur Point Point Point OB ME_05 Structural Change of MBA Program at Point Point Point

Time : 3.30 to 5pm



EC 08

AN INNOVATIVE APPROACH TO FOSTER PRODUCT DEVELOPMENT IN A MULTIDISCIPLINARY ENVIRONMENT AT SOPHOMORE LEVEL IN ENGINEERING Sanjay E, Sachin A, Gururaj F, Arun P, Praveenraj P, K Rajashekhariah, Nagaraj E, Shilpa T

Abstract

Engineering education as a process has evolved over the years based on the rapidly changing requirements in the design and development of a product. The design integration involves more disciplences of engineering that ever before. Engineering Design as a course is being offered globally at various levels of undergraduate engineering education to strengthen the quality of academic projects, albeit in isolation. This paper addresses the integrated learning of a student using multidisciplinary approach in a new course -Engineering Design and Product Realization, for Sophomore students across two semesters, Design Studios and Makers Space that motivate students from across disciplines to work together in an ecosystem suitable for product development are provided. In this era of connected devices, an attempt has been made to involve the students from electrical sciences, mechanical sciences and computing to design and develop an mechanical sciences and computing to design and develop an IO enabled device / product that meets the stated needs. Curriculum design and various pedagogical practices are demonstrated here. The outcome of the course is evaluated in two phases. Design Process and Product Redization. The results provide insights into the incremental changes needed to optimize the student experience.

Key words: integrated learning, multidisciplinary approach, experiential learning, engineering, education, product design.

Faculty conclave Eighth edition

A STUDY IN BUSINESS MANAGEMENT EDUCATION. Dr. Mahantesh Halagatti Associate Professor School of Management Studies & Research

"ROLE OF MULTIMEDIA TOOLS IN EXPERIENTIAL LEARNING"

Abstract

Abstract Business world is dynamic environment where companies are influenced by various internal and external factors. To make students understand the changing scenarios the faculty have to use innovative pedagogy. The text books learning is too monotonous and the students may not get a holistic understanding of the concepts, Apart from existing text books its advantageous to use other teaching aids for making understand the concepts. In this paper the contemporary topics and live business scenarios appearing in News papers, audio and visual case studies in class room teaching is mentioned. A thorough literature review of the role Played by teaching aids and live experiences is presented. The paper helps in understanding how well these tools aid the instructor in making students understand, remember and apply the concepts. Research questions:

Based on literature review and observations during class room interaction the research questions are formulated as: 1. Role of multimedia tools in experiential learning for business management education.

Results and discussion: the study tries to identify which experiential learning style model is more effective in conveying concepts to the

business management studies. Conclusion: It becomes necessary to understand the concepts by the students. In some cases it is not easy to make understand the concepts. The multimedia tools help in conveying the concepts in more lucid manner to the students of business management. Key words: Experiential Learning, Contemporary, Multimedia, Business management

MB 01

EC_05

A COLLABORATIVE APPROACH FOR SKILL DEVELOPMENT AND EMPLOYABILITY

Saroja V, Siddamal, Shamshuddin K, Heera Wali, Vijaya Eligar, Nalini C. Iyer School of Electronics and Communication

Abstract

In India VLSI talent is in short supply, it is not a problem of quantity, but it is a problem of quality – the quality of VLSI education and quality of students getting through engineering institutions is poor. The biggest challenge faced is that fresh VLSI graduates are not readly employable. There is dearth of verification engineers in VLSI industry, opportunities are available but they lack in skill set. They need to be trained for a year before becoming industry ready. The real solution to solving this issue is to offer good quality VLSI education. To address these issues KLE Tech, IESA and SEER have collaborated as a tri-partner agreement in introducing two new courses Advanced Digital Logic Design and Advanced Digital Logic Verification. The course contents are designed, delivered and assessed by in-house and industry expert to build competence. The key to the success of these courses is the extensive industrial experience that develops the students!

Key words: Verification, IESA, SEER, Employability.

HARDWARE-IN-THE-LOOP (HIL) SIMULATION TECHNIQUE FOR AN AUTOMOTIVE ELECTRONICS COURSE

Prabha C. Nissimagoudar, Venkatesh Mane, Gireesha H.M, Nalini C. Iyer

Abstract

Hardware-in-the-loop (HL) simulation is rapidly evolving technology which is commonly used in automotive industry. Its applications found ranging force northor prototyping tool to a system modeling, simulation, and synthesis paradigms. This paper provides an insight into how this industry specific technology is incorporated in to a multi-disciplinary engineering course automotive electronics. HL simulation is part of V design model which is used for developing functionalities of automotive EOLS. The theory and laboratory components of the course are designed in such awy that the functionalities of an automotive application are built using model based design approach, in which HL simulation plays a major red. The course includes a platform for state-of-the art engine-in-the-loop (EL) simulation faulty sate-of-the art engine-in-the-loop (EL) simulation faulty sate-of-the art angior red. The measured by undustry specific rapid prototyping skills demonstrated by the students. HL technique incorporate in automotive electronics course has contributed in making students industry ready.

Keywords: HIL simulation; engine-in-the-loop simulation; Automotive Electronics course

Faculty conclave Eighth edition

Faculty conclave Eighth edition

CEER

EC_11

EE 01

MIXED LEARNING SYTLES: A STRATEGY FOR TEAM FORMATION Javeed Kittur, Minal Salunke

Department of Electrical & Electronics Engineering

Abstract

The emphasis of this work is to analyze and assess cohort of students' perspectives on team learning practices in activity based learning approach. This activity was implemented in Linear Control Systems (LCS) a core course in 2nd year of electrical engineering. The motivation for this work is the authors experience in teaching the course in previous iteration. It was observed that few teams performed exceedingly well and few others were struggling to complete Exceedingly we and the wome's were shoughing to compare the activity. The reason for this was that the team of formation was random. Strategic team formation is considered as a beneficial way for enhancing students' learning in collaborative environment. Team learning implicates interaction between students through peer to peer learning. which strengthens the ability of a student to solve problems better. The authors felt there is an opportunity to explore the following research question: Does working in teams formed with mixed learning styles enhance student learning? In order to form teams, students underwent Index of Learning Styles Questionnaire by Richard M. Felder and Barbara A. Soloman. The results from this questionnaire were judiciously used to form teams using mixed learning styles to facilitate students' learning. A common problem statement on modified Load-Frequency control model of an isolated power system area, to be operated with a controller was given to both section-A (66 students) and section-B (55 students). A batch of four students) and section a (so students). A student of rour students' worked as a team in order to accomplish the given task. Section-A comprised of 16 teams and Section-B had 13 teams, each team involving members with different learning styles. The problem statement focused on different controller designs using different tuning approaches and system

performance analysis. The problem statement given to all the teams comprised different controllers and varied model parameters. The activity was designed as an assignment to be implemented in three weeks and comprised of III phases. In phase-I students solved the problem manually and were introduced to Matlab Programming and Simulink Modeling tool. Phase-II was focused on programming and modelling of given problem statement. Phase-III was concentrated on verification of the simulation results with manual calculations and system performance analysis. Two reviews were conducted and the students were assessed as per the rubrics. The competencies addressed for activity are problem analysis, ability to design the controller model and proficiency in using simulation tool. A pre-test and post-test was conducted to know the change in conceptual understanding. The pre-test was conducted before the team formation and the post-test after the students undergoing team learning experience. The questionnaire for test was designed referring to the GATEtutor. GATEtutor is a pioneer in providing Global E-Learning Platform. It is a platform for the Students preparing for technical competitive examination. The impact of learning was realized by conducting inferential statistical analysis using Anova. The post-test results indicate improvement in conceptual understanding in comparison with pre-test. This is also validated by Anova test with 5% level of significance. From this study the authors make an observation that, strategic team formation is considered as a favourable approach for augmenting students' learning.

Key words : Learning styles, team formation, simulation, student learning, control systems

Faculty conclave Eighth edition

EER Fac

CEER

ME 04 BINDING INDUSTRIAL NEEDS BY WINDING CURRICULUM DEEDS A COURSE ON CAD MODELLING, ANALYSIS AND PLM

G. M Hiremath, B. B Kotturshettar, Sridhar.M, U. P Hosamani, G. R Chalageri S. G Billur, A. Y Patil, S. M Mukhandmath, S. R Patil, B. S Halemani, V. S Tigadi School of Mechanical Engineering

Abstract

Abstract
The devanced technologies in the field of Computer Aided Manufacturing (CAM), Computer Aided Engineering (CAE), Computer Aided Inspection (CAI) and Industrial needs can be fulfilled primarily through progressive inclusion of methodologies intended to reflect change in the design process. The tools used in engineering design continue to become more sophisticated and powerful. One of those tools, Computer Aided Engineering (CAE), Somputer Aided Sign (CAD), use the 3D database at the centre of these tools. Computer Aided Design (CAD), use the 3D database at the centre of these tools. Computer Aided Design (CAD), use the 3D database at the centre of these tools. Computer Aided Design (CAD), use the 3D database at the centre of these tools. Computer Aided Design (CAD), use the 3D database at the centre of the concurrent engineering design process. Within this environment, the 3D model is the diving (ore behind all engineering information. With the types of tools and software available today, industrises are booking for individuals who can move data throughout the design process. Collaborate online with customers, suppliers and co-workers. Identify and the resolution of the database of the design process. Some conceptualization to the database of the database of the database of work, using PLM philosophy. In order for undergraduate students to design they must possess contain prerequisite skills in tody's that can be ultized throughout the design process from conceptualization to the database of advanced world. One key skills is the ability to create parametric 3D models that can be ultized throughout the design process from conceptualization to the database of Adam and some any subdem sould allow students calls so advanced world. One key skills is the ability to create parametric 3D models that can be ultized throughout the design process from conceptualization to the database of Adam and some interesting databases of collaboration to the database of Adam and some and the desingeres for adu/y. Wha The advanced technologies in the field of Computer Aided Manufacturing (CAM), Computer

Key Words: Curriculum Design, CAD Modelling, PLM, Course Outcomes, Program Outcomes

HACKATHON-AN ACTIVITY TO EMPOWER PROGRAMMING SKILLS Ashwini G K* Arunkumar Giriyapur** Department of Automation & Robotics

Abstract

One of the main objectives of Automation and Robotics undergraduate program is to make students industry ready by developing good programming skills and an ability to work in teams along with other skills like creative problem solving and critical thinking. The routine programming laboratory course was not meeting the objective and hence rethinking has to be done. The concept of Hackathon was integrated with the laboratory course to bring in creative problem solving and to develop best programming skills and endurance in the students. This paper describes a recent revision to the programming aboratory course. The Hackathon acitivity was conducted for III semester students in the programming laboratory course. The activity was conducted for 2 days on a continuous basis for 18 hours. The solutions implemented by students were unique and impressive in terms of the methodology followed, level of complexity accomplished, programming skills and number of lines of code in the designed algorithm. Evaluation of the students was done on individual basis using therubrics to check their skills in algorithm design, execution methods, analysis and verification of results.

Key words: Hackathon, Algorithm design & Analysis, UML

Faculty conclave Eighth edition

AR 01

AR 02

PROBLEM SOLVING IN INTEGRATED LABORATORY USING HACKATHON APPROACH

Jyoti Bali1, Ashwini G K2, Shilpa T3, Arunkumar C Giriyapur4 Department of Automation & Robotics

Abstract

There is a need to introduce new pedagogy practices to improve the problem solving skills & critical thinking capabilities of students helping them execute multificiplinary projects, thus stiving to meet one of the important objective of th Automation & Robotics program. This proposed paper describes such an activity initiated by an instructional team of 3 lacely members that made students to practice the engineering design process using an integrated approach for the selected real time case study problems during their for the selected real time case study problems during their for the selected real time case study problems during their for the selected real time case study problems during their for the selected real time case study problems during their for the selected real time case study problems during their for the selected real time case study problems during their for the selected real time case study problems during their for the selected real time the different laboratory courses namely Real Time Enhedded Systems, Object Orbande Programming languages & Database Management System practice. The activity was initiated at the commencement of the semester along with the regular laboratory courses. With a preplanet schedule, Students were made to solve problems like Machine Health Monitoring, Shortlisted by faculty Itam based on the survey done for the latest research topics in automation area. Time allotted for the activity was cay on an individual basis and was evaluated as a part of their final lab End Semester Assessment scheme, Evaluation of students was dure based on well-defined rubrics to test their individual k stam wise skills related to each of the time labs integrated. The feedback received and the results tatined or students was quite encoursely. The evaluation conducted by the cauly team in a collaborated manner helped the analysis of students performance in critical way as well to give them the leedback for improvement, which is very essential while solving real COURSE PROJECTS-AN EXPERIENTIAL LEARNING AND DEVELOPING RESEARCH CULTURE FOR BIOTECHNOLOGY GRADUATES Dr, Zabin K, Bagewadi, Dr, Uday M, Muddapur Department of Biotechnology

Abstract

As we have transformed to a university status, research has become an integral part of our system. To inculcate research culture at early stage during the Biotechnology graduate program, the course projects were designed for Biochemistry (3rd sem) and Enzyme Technology (4th sem) courses. Course projects deliver experiential learning and demonstrate student's higher level of learning. Course projects give a real time research exposure to students. The design of course projects was shared to the industries for their feedback and there was a good response and suggestions to make it more effective. In biochemistry course, the theme of the course projects was "Medicinal Plants" and objectives and outcomes were well defined. Preliminary research work carried out during the course projects by the students was further taken up for the advanced faculty research. This calls for a win-win situation for both the students and faculty. Students gained diverse learning through integration of experiments addressing multiple courses like biochemistry, microbiology and unit operation. These are courses simultaneously learned during 3rd semester. In case of enzyme technology (4th sem) course projects, the theme was "Microbial enzymes". Here there was an opportunity for the entire enzyme technology lab to be redesigned and delivered it as a project with sequentially arranged regular experiments and aligned to experiments designed in course project to give a complete sense of project execution. Here, the hierarchy started with open ended experiments that gave an opportunity to push the experiments to higher category of experiments. As the prerequisite for enzyme technology was biochemistry, the knowledge of biochemistry lab is directly applied to enzyme technology lab;

aculty conclave Eighth edition 23

Faculty conclave Eight

CEER

BT 02

as a result experiments could be real-gned from open ended to exercise. Course project in this case was initial research work carried out by the faculty and the real time product was given to the students during the execution. The course project in enzyme technology strengthened the enzyme handling skills and gave a sense of responsibility as they had to maintain the integrity of enzyme throughout the semester. In comparison to the previous way of lab execution where a commercially available enzyme was given to the students that limited the scope of open ended and real time behavior studies of enzymes. Further research work can be continued by the faculty. For both the course projects each group (total 12 groups) had different medicinal plants and different product which also gave them a cross learning experience. The assessment was according to the defined rubric and tatianment of POS such as 2, 4 and 10 were achieved. The students had to spend 6 hours per week (regular hab 3 hours) to make course projects functional. The outcomes of this initiative were development of research culture, experiential learning and analysis skills. Course projects also gave the projects created a platom for the students to present the projects created a platom for the students to present the work in conferences at national and international levels.

Key words: Biochemistry, enzyme technology, course project, research.

CV_01 ENHANCING STUDENTS LEARNINGS IN MECHANICS OF MATERIAL COURSE THROUGH CONTEXTUAL LEARNING Dr. Anand M. Hunashyal, Roopa A.K School of Environmental and Civil Engineering

Abstract

Mechanics of materials is a basic fundamental and interdisciplinary course for the engineering students with a main focus in the mechanical, clui, lindustial, and aerospace engineering disciplines. It provides a fundamental understanding of the mechanical properties of various materials and their behavior subjected to different kind of loading. In CuVI engineering, basic concepts learnt through this course are the prerequisite for various higher level courses involving the structural analysis and design of various structural elements. Since taching of mechanics of material proven challenging as it involves mathematical formulation and calculation oriented which needs a student to have very critical thinking skills and different orientation to understand this subject. Therefore this paper describes contextual learning of the mechanics of material by associating the classroom teaching to the real visualize its behavior subjected to various forces, stresses deformation diveleped in read time structure to enhance learning efficiency skills. The object of this work is to promote experimal learning, critical through contextual learning. The main outcome of this work is to ensure the structural material through a subject. Torelating the actual real structural members and visualize its behavior subject correlating to the actual real understanding of the subject torelating to the actual real structures. The course delivery and assessment strategies were meticulously executed in the form of assignments to toster experimential garning tat lead to talainment of player leaves that the device and hold meticulously executed in the form of assignments to toster experimential period manory. This pedagogical transition effect was measured in the form student feedbacks survey, course outcome learning and student peformanos observed that thebed to students for better understanding of the subject.

Key Words: Contextual learning, Mechanics of Material, Practical / Theoretical Assignment, Real time structures.

clave Eighth edition 25 CEER Faculty conclave Eighth edition

ER

CV 02

DEVELOPMENT OF EXPERIENTIAL LEARNING THROUGH COURSE PROJECTS IN CONCRETE TECHNOLOGY COURSE Shivaraj S.Halyai, Dr.M.X.Chitawadagi¹ School of Chil and Environmental Engineering

Abstract

Concrete is the one of the most versatile, important and globally used construction material. Structural designers design the building to carry particular designed load, but that's on paper. It is a concrete along with additional material that carry the load on the field. So knowing in depth of concrete by students at the learning stage is prerequisite in Civil Engineering field. Concrete technology is a three rendit course offered for fourth semestere civil engineering students where they learn theoretical aspects of concrete ingredient material properties, fresh and harden concrete, special concrete, destructive and nondestructive testing of concret. Eafler the course was handle in trainitional way where students were given with a assignments at the end of the course and most of the students used to copy each other due to the similar questions, content, without knowing how to arrive with the right quality of concrete and without understanding the technology behind why a particular materials used or why a particular process is used or what is the variation in the required minimum stength whenk key tactors are varied while preparing fresh concrete for a particular usage. Therefore, it was an essential to go through experiential earning by the students with deep learning of tectures. Experiential Learning in where solving and collaboration skills which will greatly enhance their educational experience. Course project is introduced here instead of traditional assignments, for the purpose of undergoing experiential learning in their course. Experiential Learning involves self study by the students to think and work beyond curriculum on field based problems. Group of students undergol borough aga buildy one chosen topic, addefine the stopent to think and gather the information, interpart and make certain judgment on chosen topic ther than working in the students, when they doal y as binavies to plateations. Assessment is made in three phases with presentations and reports. So finaly it aims to

Key words: Experiential Learning, traditional, active learning, passive learning, concrete, Practicing Engineers

Faculty conclave Eighth edition

CS 07

THE EXPERIENCES OF USING SOFTWARE ENGINEERING PROCESS FOR ENGINEERING DESIGN AND PRODUCT PROTOTYPING IN A MULTIDISCIPLINARY ENVIRONMENT

K.M.M Rajashekharaiah, Somashekar Pati2, PraveeRaj Pattar, Mallikarjun Akki, Dr. Meena Maralappanavar, Sanjay Eligar, Prof. B.B Kotturshettar, Prof. Arun Giriyapur

Abstract

The first of its kind and a unique course is offered tilled 'Engineering Design and Product Realization' for second year undergraduate students. The course is spread arcross 2 sensetsrs, i.e., Engineering Design in third sensetsr and Product Relation in foruth sensetsr. Due to first cycle of course offered and first time computer science department is participating, there are cratian challenges and experiences, and this papertises experiences and explains the issues related to computer science. The Engineering Design and Detailed Design. The CS faculty developed content of software engineering process or engineering design with understanding the vocabulary of the latter. The requirement modelling is imglemented parally to planning phase with use case approach. The design method used is function oriented design and data flow diagrams. (DFD) used in concept design and detailed design, them data thow diagrams. (DFD) used in concept design resulted in system diagram to show interaction of components of all the three disciplines and detailing the workbulker of outpriving by exploring suitable architecture and the same is used, there is a scope for improving by exploring suitable architecture for software inglementation. The objective of fourth sements in structure protoxying, the addition of IOT is introduced more challenges in implementing this course. The student has to learn technologies like, Android studio (U design and application logic), jaw, xm, thp (S exerver side scripting), denta server architecture in the three domain, Mechanical, Electronic / Electrical and Computer science was a challenge and there is scope to improvement. Due to sustained dior for faultes so all the disciplines, most of the student texms are able to develop functional prototype. This pare discusses, the software engineering approaches for planning phase in section 1. Concept design in section 3. Testing and validation in section 6 and conclusion in section 7. Testing and validation in section 6 and conclusion in

Key words: Planning, concept, system, use case, DFD, UI, IOT, Android Studio, Multidisciplinary

Faculty conclave E

CEER

CS_02

TEACHING METHODOLOGIES FOR GENERATION Z STUDENTS Prakash Hegade

Abstract

We have Generation Z kids who are stepping into college with the dreams to graduate. Most of Generation Z have used the Internet since a young age and they are generally comfortable with technology and with interacting on social media. These are the kids who have grown up with social media application like Snapchat and Instagram. According to a Northeastern University Survey, 81% of Generation Z believes obtaining a college degree is necessary in achieving career goals. They come with dreams and aspirations. They are quick, swift and as well have a short attention span. A 2014 study of Generation Z Goes to College found that Generation Z students self-identify as being loyal, compassionate, thoughtful, open-minded, responsible, and determined. They view their peers as competitive, spontaneous, adventuresome, and curious; all characteristics that they do not see readily in themselves.

These kids certainly lose interest if the information present in web is presented during lecture sessions as is. They need interpretations. They need analysis that is not usually found on web. They need perspectives that matter and analysis that have direction. This certainly calls for improved teaching methods that hits the nail right on the head.

To tackle this issue, this paper proposes a teaching framework called Edify Gen-Z'. Figure below present the framework.



The framework has four major components namely: Know Z, Interpret Z, Incubate Z and Be Z which gives it a shape of Z. The framework comes with mission, objectives, tasks and measurable. It's an iterative process that starts at the semester start and yields results in every phase. This paper explains this framework in detail.

The approach was followed for the course 'Data Structures and Algorithms' and methodically each of the phase was achieved with the activities. This paper further explains how the tasks were carried out in the

course and presents the results and analysis. The process was integrated in the course as well as the laboratory work. It has been beneficial to students as well to the faulty to connect well with generation Z kids. The methods have found to be an overall of 80 to 90% effective as per the feedback and analysis

Key words: Data Structure and Algorithms, Edify, Framework, Generation Z

BLUEPRINT PEDAGOGY IN SOFTWARE ENGINEERING Prakash Hegade,Dr.Meena S M,Padmashri Desai

Abstract

The primary objective of software engineering is to demonstrate competence in communication, planning, analysis, design, construction and deployment of a product life cycle. Theories, models and techniques are the foundational basis in a software lifecycle. When a product goes into design and implementation, it comes with challenges namely: When a product goe mice design that minimum the design are minimum characteristic analogy how well are the quirements understood, are the designs and conceptualizations in-line with requirements and how easily a future requirement can be embedded into the system. Over time, these challenges have been lacked through various methodologise. In this paper we propose a method – BluePrint which adapts the design thinking methodology to acline the said challenges

Through BluePrint Method, the initial brainstorming of design, functionality, flow, process and user interface of the selected problem happens on A4 paper sheets - all hand drawn (using penci, eraser, ruler). The hand drawn designs are re-iterated unit a satisfactory model is reached. The final model is then transferred into documentation using Software Engineering principles and tools. The first hand made draft and the subsequent process of reading through and interacting with the design by annotating, correcting, editing, and reading introduction and interacting with the design of antioating, contexing, example, and reshaping it as a whole is a major advantage as against typing where instead we edit as we go which potentially interferes with the organic flow of ideas. Hand drawing can help us slow down and fully engage with our thoughts. Thoughts need to breathe (as do drawers), and drawing by hand conveniently holds such a space for thoughts to fully form before being set down into a holistic form.

BluePrint method is carried out in two phases where in phase 1, problem and requirement analysis is carried out. This phase involves the detailed decomposition of the problem and analysis is connected in this phase involves understanding the problem and the concept flow. The checklist in this phase involves understanding the problem space, major modules, external and internal factors, the first look at interfaces and requirements analysis. Phase 2 works on design decisions and deliberations. High and low level designs are carried out in this phase.

In order to over come the major challenege of conceptulaization of function points and adding future modifictions to the project, BluePrint method was adopted to Mini Project Curriculum jointly with Software Engineering Course in the first sense of a computer science program. As per the feedback collected, phase one was found to be 79% effective, phase two 73% effective with overall process of 70% effectiveness. This paper presents the BluePrint method in detail along with detailed result and analysis. BluePrint method can easily go as BlurPrint if not adopted properly. *Key words:* BluePrint, Mini Project, Software Engineering, Function Points

Faculty conclave Eighth edition

CS 05

PRAKALP - AN APPROACH TOWARDS ANALOG AND MIXED SIGNAL DESIGN Dr. Sujata S. Kotabagi, Dr. Nalini Iyer, Sumit Bhat

Abstract

aculty conclave Eighth editior

This paper presents a case study at School of Electronics and Communication, KLE-Tech which helped in bridging the gap between industry and institute and preparing students ready for VLSI industry. Collaboration between School of Electronics and Communication and Sankalp Semiconductors Pvt. Ltd., ventured as Prakalp program. In "Prakalp" program, students interested in the field of VLSI are selected through screening test and trained intensively by experts from Academia and Industry on fundamentals and advance courses of Analog and Mixed Signal VLSI to carry out the industry defined projects and experience research at the graduate level.

Fundamental courses required for carrying out analog VLSI projects and research are covered as a part of professional core courses in the curriculum and to enhance this activity elective courses such as Analog Circuit Design followed by Physical Design-Analog are being conducted. Design, delivery and project based evaluation is by experts from Academia and Industry.

Students are encouraged to submit their work to national conferences and contests. Best performing students get recruited by Sankalp and other VLSI companies.

Keywords: Academia, Industry, Design, Analog, Mixed-Mode,

RESEARCH EXPERIENCE WITH MINOR PROJECTS Prakash Hegade

Abstract

EC 06

With 6 credits at stake, we have been connecting our minor teams with industry projects. It

With 6 cradits at stake, we have been connecting our minor teams with industry projects. It is a wine-win student that industry gets its work carried out and students get an industry exposure. However, in the process, the faculty guide seems to have been misplaced with minimal connection at both the ends. As a faculty, one can always have a bird eye view and stand isolated or drive the abstracts and give a research orientation. The later benefits for all. The paper puts forward how to maximize benefits from the industry projects. First the generic overlevies in presented and then it is detailed out with the specific case study. One of the project teams was working in collaboration with Transl Technologies, building a product for proximity marketing. The product demands latest tods and technology. The core technology was to use progressive web app (PWA). The latest URL from government of India which is making rounds on social media. https://Atmontis.mygov.in/ is built with same PWA technology with a sinceridity better performance. This technology is new and bately has sufficient information on web to built something concrete and productive . This paper details out this process and puts forward how any of the industry work can be

and other yind standard of the processing of the product of the productive of the pr

Fig: The Step Mode

noted that the project demanded a software architecture that supports Software architecture that supports the new technology. Looking at the needs and product requirements, along with faculty mentoring a new architecture was Genetic the system Genetic

CS 03



the industry based minor project. A new software architecture called 'Progressive Union' was designed as the result of the work. The process seems to be effective in order to bring the newness into the system and as well make an academic contribution to industry projects.

projects There are a bit of companies that keep the data confidential and do not allow the work to be discussed. This process cannot be applied to such projects. However, an initiation with team explaining the benefits, which could potentially lead to patents in future would sure bring along a 'yes', most of the cases, if not at all times, Key

words: Minor Projects, Progressive Union, Step Model, Software Architectures

CS 04

ALGORITHMIC PROBLEM SOLVING – A COURSE TOWARDS COMPETITIVE PROGRAMMING

Dr. Ashok Shettar, Dr.Meena S M, Dr.Satyadhyan Chickerur, Prakash B Hegade

Abstract One might know how to devise algorithms, analyse solutions, implement and solve problems: with a wealth of tools(data structures) at disposal. But the competitive programming word has all of of other challenges which need more than the routine thinking. A great way to improve oding shalls is by solving coding challenges. Solving different types of challenges and puzzles can help one become a better problem solver, learn the initiacious of challenges and puzzles can help one become a better problem solver, learn the initiacious

A great way to improve coding skills is by solving coding challenges. Solving different types of challenges and puzzles can help one become a better problem solven. Earn the intricacies of a programming language, prepare for job interviews, Barn new algorithms, and more. While most companies have now started hiring through online coding platforms (HackerFank, CodeChef) many most others are moving towards L: Keeping these objectives in mind a new coarse was introduced called Vajorithmic Problem Solving (APS) which was elective in skith semester open for all branches. The course had an entrance exam where 38 students from electronics and computers qualified to opt for the course. The course objectives mighty included: use of algorithm design techniques such as greedy algorithms, dynamic programming, divide and conquer and combinational search to construct algorithms, dynamic programming, divide and conquer and combinational search to construct algorithms dynamic proteins solving in groups and dimensitian and coorperating with other students during problem solving in groups and demonstrate proteiency in solving or coding acting solving an oblem to the searm. The course had better sessions, discussions on online platforms. The course was conducted on HackerRank platform including the minors and semester end ensum. The course had lecture sessions, discussions on allowed plate callenging problems and working in constrained environment were the major objectives with which the course was introduced. The objectives were successfully achieved through various planned course activities [is deviced. The objective service the constrate during reactive bas objectives with which the course was introduced. The objective service the reactive during the during the during activities and working in constrained environment were the major objectives with which the course was introduced.

The objectives were successfully achieved through various planned course activities like code competitions, 15 days streak, crack a hack, topic presentations and week of code. The paper presents all the activities in detail along with student performances in worldwide competitions. As a result of all the activities, all the students who opted for the course where in the bronze medal range in worldwide HackerRank programming contest (semester end exam)

exam). The paper presents the course, activity, student performance and discussion in detail. Overall, the course has been effective and also been a bridge to connect industries that demand students with competitive programming solits. It was also an eniloptiening experience to bring some of the methodologies into programming courses like C, Data Structures, Algorithms and Object Oriented Programming etc. which can enhance the programming capabilities instudents.

Key words: Algorithms, Competitive Programming, HackerRank, Problem Solving

STUDENT'S PERSPECTIVE ON EFFICACY OF GAME-BASED LEARNING WITH REFERENCE TO MANAGEMENT PROGRAM Shashidhar Mahantshetti

Abstract

The challenge of holding a student's attention in the classroom is becoming tough with every passing day. The attention span of students is dropping down to record low. The job of teacher becomes more challenging with new emerging gadgets in telecommunication and entertainment industry. We telecommunication and entertrainment industry. We all as huma beings exhibit a great amount of motivation and excitement when we are involved in games. It is very rare to see an individual, not motivated or excited when he finds himself in a game situation. Games can be used among management students to improve comprehension of new ideas and concepts. The present study is undertaken to find out whether the arean based teachein bacrino find out whether the game based teaching learning methodology helps in grasping the essentials of the concepts and ideas taught in the classroom. It tries exploring the efficacy of the game-based teachinglearning method of interacting with the students. The results revealed that the students considered the game-based teaching learning is a very effective tool. Further it revealed that boys and girl had a significant difference in terms of perception with respect to game-based teaching tools. A survey would be undertaken to find the students perception towards game-based learning. Keywords: Game-based learning, teachinglearning, perception.

Faculty conclave Eighth edition

MB 02

ME 07

INSTILLING RESEARCH ATTITUDE IN STUDENTS AT MECHANICAL ENGINEERING SCHOOL THROUGH REU APPROACH N.R.Banapurmath, R.S.Hosmath, M.B.Gorwar, Rakesh Tapaskar, P.P.Revankar School of Mechanical Engineering

Abstract

The quest to improve the standard of living of human society has kept the wheel of innovation spinning through research at Academia and Industry. The motivating factor to promote research and development at all levels of human endeavor has been the Millennium Global challenges. The Research initiatives in education are the important mandates that lead to application of knowledge gained towards meaningful solutions confronting the human society. The initiatives to imbibe research culture in engineering graduate students has been widely strived at due to inherent need to reach higher learning levels. However the large size of the class room in typical Indian engineering schools makes the task arduous due to time and basic research to diavailability constraints. In this context a clear path laying initiative has to be strategized to trigger the interests of budding engineers and guide them to meaningful result oriented research. The referred work relates to initiatives taken on the University campus to promote an ambience of targeted research amongst aspiring UG students to work under the supervision of research aroups.

The quality of the research outcomes attained has also shown an upward trend over the several cycles of this course implementation. These initiatives have created a good research ambience on account of a meticulous rubric based evaluation, good peer support to research and overwhelming student involvement. The reported work gives a vivid picture of the experience gained in successfully implementation of this research oriented course that has also propelled the Institution-level research objectives. The major advantage of this initiative has been the promotion of inter-disciplinary research that has been defined as the crux of any research activity. The discussions made in this publication highlight the work done in the School of Mechanical Engineering as part of this institutional initiative. The overall results indicated a satisfaction to the students in terms of better grades and developing interest to further their research instincts in the later part of their career. Keywords: REU, Publications, Products, Patents, Research culture

aculty conclave Eighth edition

STUDENT, INSTITUTION AND INDUSTRY TRACK EXPERIENCE: A BLEND IN COURSE LEARNING Jayanti Belur, G.S.Hiremath, S.V.Patil School of Management Studies & Research

Abstract

Abstract Merrit (2008) highlighted that internships are part of a model that has a unique vision of educational success in which standardized test, subject-based courses and textbock learning are eschew and reglaced with authentic, competency and performance based elements and measures of their education. This is a best fit for Student, institution and Industry Track (SIT) of SMS fit indouced in 2013, SIT is a track spread across four semesters of MBA programme and each phase has specific learning objectives. The research attempted to bring out the SITTrackas an deach phase has the attainment of Competencies (C) in various MBA core and vize-roce exam in isolation. Eventually, the instructors started using 'practice to theory' in their course delvery viae-roce exam in isolation. Eventually, the instructors started using 'practice self's been compled. The querises to the tunes 287 marks (fore 127marks, Bedivis 107ers) were asked across the programme. This analysis will be an important input to curriculum thein delvis, whe asked across the programme. This analysis will be an important input ocurriculum design, delivery and assessment to further enhance the students learning through experience. *Key words*: SIT, Performance Indicators, Competencies, and Programme Outcomes

MB 06



ME 03

INTEGRATING THEME BASED CURRICULUM DESIGN TO THE EXISTING CURRICULUM STRUCTURE FOR STRENGTHENING POSTGRADUATE STUDIES IN HIGHER ENGINEERING EDUCATION Vinayak N Kulkarni, V.N. Gaitonde, B.B.Kotturshettar School of Mechanical Engineering

Abstract

In today's higher education system concept of specialization, especially at postgraduate (PG) level plays a vital role in the career development of engineering students across the world. Meanwhile, the requirement for automation engineers in manufacturing sector is increasing continuously due to up gradation of the technology in today's industrial scenario. At KLE Technological University India, School of Mechanical Engineering had tried to design and implement the theme based curriculum design structure at 1st semester level of PG program. The methodology of theme based curriculum design and its integration to the existing curriculum along with the assessment pattern have been explained throughout the paper. Manufacturing systems automation, automation laboratory, Automation based Mini project and technical talk by industry personnel on latest trends in industrial automation are the core and supporting courses designed under manufacturing automation the original approximation of the second sec the assessment criteria; the automation laboratory assessment procedure has been showed and explained. The results and attainment of performance indicators (PIs) have been analyzed and it is found that the percentage attainment of PIs 5.1.1, 5.1.2 and 5.1.3 have improved from initial conduct of laboratory experiments to final open ended experiment of laboratory course. Finally, the advantages and benefits of theme based curriculum design has been mentioned and concluded that the theme based curriculum design and its implementation is found to be successful and can be extended to other engineering undergraduate and postgraduate higher engineering education programs across the world.

Keywords: Postgraduate Program; Curriculum Design; Theme Based Curriculum; Program Outcome; Performance Indicators; Higher Engineering Education.

aculty conclave Eighth edition

EC 01

ENHANCED LEARNING EXPERIENCE BY COMPARATIVE INVESTIGATION OF PEDAGOGICAL APPROACH: FLIPPED CLASSROOM Shraddha B H, Nalini C.Iyer, Sujata Kotabagi, R.V Hangal, Sujata N, Nikita Patil, Soumya B, Dr. Subbanna Bhat

Abstract

Asstract As a facilitation the only objective while entering a large classroom is enabling learning environment at the highest level and imparting knowledge to each and every individual by having an extensive low way communicating classroom with more discussions and interactive sessions. Time management plays a significant role for balancing long term goals of every classroom and bringing into action the immediate educational needs of students.

grad of coto y elasticitud nato diniging indication the initiative conduction and consistent of the students. With this objective in mind a classroom performing reverse activity has been introduced called the "LIPPED CLASS-ROOM" for the most fundamental courses of the electronics and communication i.e., circuit analysis (CA). linear integrated circuits (LIC) and CMOS VLSI to enhance the learning capability in provided span of time. In education sector, creativity in facilitating knowledge to individual student is a high keyl process to develop disciplined reading and writing. It is bioghardy for each scale integration. Line Course plays a very important role for electronics and communication engineer as it includes analysis of solid state analog and digital devices. The introduction of this new pedagogical method called flipped classroom which employs video lectures and practice problems as hone work assignments and group based problem volting activities in teas-sroom was given in the provious year. This paper discusses the improvement in the learning process of a course LIC which is been carried out with second treation of the adard classroom method as a pedagogical style. The second class of the adard states analogical style. The second class of the intervious of the treation of the process of a course LIC which is been carried out with second treation of the process of a course LIC which is been carried out with second classroom was disclassroom was classroom was classroom was provided by the provide classroom was classroom

out with second iteration of flipped class room method as a pedagogical style. The authors have attempted to address the following experience of the students in "What is the efficacy of introducing better pedagogical strategies and investigating the approach to efficiently impart quality knowledge in large classroom?"

efficiently impart quality knowledge in large classroom?" Comparative analysis of session conduction, level of questions to be posted and clarity of the concepts learnt has been performed to improvise the kevel of teaching, interrogatory sessions and student involvement in class-room. Study reflected that analysis of comparison enhanced the learning level in individual student by increasing their interaction and engagement in the class-room which resulted in thorough understanding of the courses. The activity presented, motivated the lectrares to increase the level of questions to be asked as mentioned in the bloom's taxonomy. This paper discusses the details of the activity, impact of the activity on student's and the author's experience. As an outcome of the basits, academic achievement i understanding of the basis

Keywords: Flipped classroom, Bloom's Taxonomy, ESA, LIC

TRANSFORMATION FROM JUGAAD MIND-SET TO ENGINEERING MIND-SET: A PBL APPROACH Sanjeev Kavale¹, Preethi Baligar² and Gopalkrishna Joshi²

Abstract

Problem solving is one of the focus areas of engineering education. A generally observed approach to problem solving is working in informal environments and somehow accomplishing the goals. This approach is termed as Jugaad' and it refers to 'easy hack' for a problem rather than having a solution based on rational engineering process. Solutions from such efforts suffer due to lack of quality and reliability. The authors have observed that the freshment land to have this 'Jugaad' mind-set in twarks solving a problem, as they are rarely exposed to engineering practices and methods in their schooling. Building engineering mind-set in the freshment avair is desirable at it hays foundation to subsequent training and preparing them for engineering workplace problem solving.

them for engineering workplace problem solving. To develop engineering mind-set in freshmen, an attempt has been made in course titled "Engineering Exploration" which focuses on engineering design process, multilosoplinary skills and team work, This course follows the pedagogy of PEI. In which the students solve real-world problems and submit a mechatronic prototype as a delwerable. In the first delivery of this course it was observed that the prototypes suffered due to improper selection of materials and joints between them, inappropriate mechanisms and poor rigidity which in turn affected the quality and etabality of the prototypes. This is mainly because of the fact that students lacked 'making skills' or prototyping skills and hence followed Uugaad' approcess. To overcome this deficiency module on Mechanisms was introduced in this course to improve 'making skills'.

Introduced in this course to improve making swise. The authors observe significant improvement in the quality and reliability of the mechatronic prototypes bulk by freshmen due to these efforts. This paper describes the need for the effort, the process followed and outcomes of the experiment. Continuous improvement in the design and delivery of the module on Mechanisms over the last five deliveries and its impact on students learning are also discussed. Keywords: Prototype, Jugaad, PBL, Freshman, Design Abstract

FY 05

Project courses form important approach to experiential learning in engineering curriculum. It is observed that the student learning is huge in these project courses. Even though all the student teams start the projects around the same time, the status of these projects will be different at the end of the term. There are a number of reasons for this including students' motivation. However, one major reason is the water fall model followed in the project design and development. While this model is good in education that too for beginners in items of understanding the project file cycle activities, it suffers from its inherent drawbacks. Students get less time for prototyping and testing phases thereby affecting quality of final delivery of the projects.

AN EXPERIENCE OF IMPLEMENTING AGILE PROJECT MANAGEMENT PRACTICE IN FRESHMAN COURSE

Jyoti Gadad, Kaushik M, Gopalkrishna Joshi

On the other hand when it is with respect to freshman student projects, students lack the necessary skills and knowledge to carry out projects. In order to equip students a course "Engineering Exploration" that follows Project Based Learning (PBL) approach was introduced where students are expected to do a course project designed around the outcomes of the course.

The experience of implementing agile approach in the course 'Engineering Exploration' is discussed in this paper. This course is offered for freshman B.E. and it focuses on Engineering design process, multi-disciplinary skills required in problem solving and team work. The paper discusses about the benefits of using agile practice in the projects over water fall method by comparing the methodology followed across three semesters. The study is carried with the research question "How can agile practice enhance the quality of the projects."

projects? The benefits of using agile practice were analyzed from different perspectives which includes success rate of the projects, faculty student interactions, infrastructure and facilities management. Adopting agile practice provided students to perform rigorous testing at unit level as well as integrated unit level which enhanced the quality of the projects.

Faculty conclave Eighth edition

CEER

FY 01

MB_03

USE OF SOCIAL MEDIA IN FLIPPED CLASS ROOM DELIVERY OPPORTUNITIES AND CHALLENGES

Chetan V Hiremath. Assistant Professor,

School of Management Studies and Research

Abstract

Asstract The information communication technology (ICT) has changed the way people communicate. This has not only impacted the way organisations communicate, but also how individuals interact. The social media is a new resity where people on only chat and networks also live another file. The impact of social media among youth is tremendrous. The platforms like Facebook, Witter Sang chat and Whatsapp are but few networks popular with young. This is where they live, share and learn. [3][4]

wim young, this is where they two, share and team, [3][4] There is a scope to study which factors motivate and influence the use of social media and their effectiveness in communication. The better understanding of this phenomenon helps build strong theories. This could help create value. The same can be argued with respect to higher education. Nueda, & Braogos (2017) theories that traditional education technologies enable instructors to engage students to increase learning performance, which in turn leads to greater student satisfaction, and that social media applications can amplify these relationships". [9]

to greater student satisfaction, and that social media applications can amplify these relationships: [19] The role of Social media in the education field is fast increasing experiments suggest that he use of any one social media in the aducation field is fast increasing experiments suggest that success rates and better subject outcomes[9]. Also, the integration of Social media supports deep karning and long timer content relention [10]. However, these benefits come at a cost as these networks have their own dangers and problems. Even though, students wave good intention to use social media in demining, actually they do not. But, education institutes can encourage and utilise the student zeal and make flipped class room a part of pedagogy. [11] is advised that a creative deucator needs to use these tools skillully. [3] To achieve better course outcomes, many educators are adopting a new pedagogy with countencement of the lacture in the digital form, social media being one of the more preferred mode, During the actuations. More adoctations. Monegement⁻¹ course at "KMSR, KLE Technological University, Hubbalin. The students are diven preficus and conceptual and application based aspects are discussed. This new approach is popular as "Flipped Class Room" or Torverted Class Room". [6] A similar experiment is being conducted in delivering "Operations Management" course at accordingly. Latt, their understanding of the subject is tests duising social media apps and open source platforms. This paper discusses the challenges and opportunities of using open advices are not strong. Frew think that use of social media as tool affects mappy with the approach. But with two challenges such as not every student has a smartphone and networks are not strong. Frew think that use of social media as a tool affects their focus. Which cannob be towards adadi.

Key words: Information communication Technology, Social media, Pedagogy, Flipped class room

aculty conclave Eighth edition

PROGRAMME OUTCOMES ATTAINED IN THE JOURNEY OF "RURAL IMMERSION TRACK' Sagar Patil, Dr. S V Patil

School of Management Studies and Research

Abstract AICTE committee (2018) during curriculum include exposure to social responsiveness, rural innovation projects and field learning to meet the changing requirements of industry. Further the committee also highlighted that many students are under the confirmed belf that present management education is addressing the problems of corporate sector only. This statement well knitted in Rural Immersion (RI) Track introduced 5years ago by MSRR. Rils a track spread across four semesters of MBA programme and each phase has objectives to evanime the programme curves student, institution, industry and society. The study attempted to evanime the programme curves astudent, institution, industry and society. The study attempted to commer of RI. RI outcomes were periodically measured through fieldwork, presentations, role play reports, viva-noce examination. The researcher followed content analysis research methods to collect the data. RI track statined theprogramme outcomes which are required by the MBA graduates along with outcomes mentioned by AICTE committee such as social responsiveness, teadership and teamwork. Additionally, programme outcomes like 1 and 7 were able to attained through Hwich were ont mapped. Key words: Rural Immersion, Social Responsiveness. Team yonk

Key words: Rural Immersion, Social Responsiveness Teamwork

MB 04

ME 06

CAD MODELLING AND ANALYSIS LINKED MINOR PROJECT –A NEW DESIGN INITIATIVE IN MECHANICAL ENGINEERING UG PROGRAMME U. P. Hosmani, G. M. Hiremath, Shivaprasad Mukhandmath, Shi

Balachandra Halemani, Gireesha Chalageri, Santosh Billur, VinayTigadi, Arun Patil, Shivanagouda Patil School of Mechanical Engineering

Abstract

Abstract The changing scenario in Engineering Education has made it necessary to adopt newer course design and delivery to reach the students in a hetter way. The recent technological developments have witnessed a widening gap between Academic quality and Industry expectations in fresh Engineering and Technology Graduate students. The engineering education is moving through a transformation phase to make its primary stake holders more responsive to changing technology wold, The Cuttome based education strategies have been strongly recommended by many engineering practitioners as a solution to the emergent employability crisis infresh raduates rolling out from the portals of Academic Institutions.

Institutions. The Computer Aided Design (CAD) has become an integral element of Industrial manufacturing, with Reverse Engineering emerging as a viable method to create a 3D virtual models applicable to 3D CAD, CAM, CAE or other software. The conventional curriculum design in UG Mechanical Engineering Programme does not strongly tays emphasis on imbibing design skill through extensive practice on Industry relevant methodology and tools. This approach leads to students acquiring meager expertise in Industry related concepts that add value to their fundamental engineering concepts. The pedagogical intervention initiated as part of this reported work includes meticolougly designed curriculum that includes: Engineering Design and Product Realization at 2nd year level followed by practice oriented Minor Project course al drycar level. The presented Work gives an insight into Minor Project course al drycare with a strong tatest Modeling and Analysis gives a single collaborative Industry wateritores in the class-croom to

Modeling and Analysis gives a single collaborative Industry-like platform. The proposed curriculum tries to bring the latest Holivstry paratices to the class-room to there by build good proficiency and mastery on software usage and result interpretation. The 3 credit Minor project course is a team activity that has resulted in a total of 50 projects evolved for target applications in various domains like Medical. Automotive and Consumer products. This course establishes continuity to the design thread with emphasis laid on providing Reverse engineering concepts through hands-on exposure. The Course delivery was strongly inclined to bring a positive change in the Taechine-Learning process targeting higher student attimments in Programme Outcomes. The overall student response to this course has been encoursing a selfacted in their grade points and improved proficiency to handle real menging energing promo Dutomes. Browners Environding to the Resumption sponsch. Browners Environe. Browners Environding to the Browners promotion sponsch.

Keywords: Design approach, Programme Outcomes, Reverse Engineering

CONDUCTING ENGINEERING DESIGN AND PRODUCT REALIZATION COURSE ACROSS MULTIDISCIPLINARY DOMAINS.

ME 08

CEER

Gururaj Fattepur¹, Nagaraj Ekbote¹, Shrishail Pattanshetti², Shivashankar Huddar Gui uaj adepur, Negala je koua: Sinistein admissien, Ontershainad nuova Kaushik M, Leah Joshi¹, Somsakker Patti, Nettingrin Akki, Veresh Baliari, B.B. Kotturshettar¹ 1 School of Mechanical Engineering.2 School of Electronics and Communications, 3 School of Electrical, 4 School of Computer Science

Abstract The KLE Technological University's curriculum was recently modified by restructuring Engineering Design course (for third semester) in Electrical, Electronics, Mechanical and Automation and Robotics discipline with a multidisciplinary hands on laboratory course Engineering Design at third semester and Product Relaization for fourth semester. This course (introduced to Computer Science as well) aims students to master the engineering design process and prepare for their professional careers by integrating discipline-specific components into system level design and build circuits, mechanical caings/structures and mobile applications to react heir protopyses. The main intention of introducing this course at third semester level was to test if students can involve their tand vignatics. The sessions moved beyond basic theory verification/demonstration by requiring students to practice higher level thinking. In addition, the systems level projects encouraged students to reorganize knowledge and discover the connections their studies of the second residue of the second by the due of the second seco

Keywords: Multidisciplinary, project based learning, case study

Faculty conclave Eighth edition

EC 07 TECHNOLOGY ENABLED ACTIVE LEARNING FOR ELECTROMAGNETIC WAVES AND THEORY

Ramakrishna.S¹, H.M.Kelagadi², Soumya Patil³, Priyatamkumar⁴ School of Electronics & Communication

Abstract

Abstract The paper aims to present an active learning method enabled by technology for the ocurse of Electromagnetic (EM) Waves and Theory. This method focuses on teaching and learning the concepts of electromagnetism with visualizations which is termed in short as TEAL (Echnology Enabled Active Learning). MATLAB is the tool used for representing the visualizations which helps in improving the learning outcomes. This method also focuses on making the students to be engaged in the students for visualizing 20 and 3D patterns. The leedback provided by the students is used to assess the effectiveness of the visualization tool and the method followed. It has been recognized hear a useful approach by the students and about 85% of the students have topics. The process. By the analysis made by comparing with the normal teaching process, this method topics.

Key words: Electromagnetic Waves and Theory, MATLAB.

BT 03 AN INTEGRATED PEDAGOGICAL APPROACH FOR EFFECTIVE TEACHING OF RESEARCH METHODOLOGY COURSE AT UNDERGRADUATE LEVEL S.V. Desai, Zabin K. Bagewadi and Uday M. Muddapur

Department of Biotechnology, KLE Technological University, Hubballi- 580 031, India. Corresponding Author: desaisv@kletech.ac.in

Abstract

Corresponding Author: desais/@Altech.ac.in Abraid Research Methodology is a systematic, theoretical analysis of the perspective, since the domain is research centric, The objective of the course is to give an insight into the nuances of research methods to facilitate the students in handing of Mini, Minor, Capstone and REU projects at higher level semsetzs. The course posses a challenge from tracharder and students in handing of Mini, Minor, Capstone and REU projects at higher level semsetzs. The course posses a challenge from tracharder and students in handing of Mini, Minor, Capstone and REU capacity and the level semsetzs. The course posses a challenge from tracharder and spanning across statistical methods and IPR issues. In-order to address this question of overcoming the challenge of learning the students of heterogeneity and provide a meaningful learning, the present students of heterogeneity and provide a meaningful learning. The present students of histochendogy for enhancing the effectiveness of learning. Various in-dassroom activities and exercises were underfacten which included identifying different types of research and research-weithed Hierature, formulation of problem statement, elucidating the types of IPRs, composing review article, computing of bioformetic parameters and interpreting the results from research data, bagainsm testing and quick referencing of citations. The active learning techniques employed were fortunential in theory and the statement due designs metsting and quick referencing of citations. The active learning techniques employed were fortunential to demonstration of compleximation techniques the theory of the second technical literature, use modern instrumental in despine the students engaged while enhancing the firstrumental in the objes and understand the philosophy of research methodobogy, with advectmet activation the form of the-tuning of the proteines of learning the accurse at the the information and the teaching methodobogy, with advectm

Keywords: Research Methodology, Active learning, Teaching-learning.

aculty conclave Eighth edition

48

CS 01

SYSTEM SOFTWARE ACTIVITY ON BOOT LOADER INTEGRATED WITH OPERATING SYSTEM

Nagarathna D Kulenavar¹, Indira Bidari¹, Vidya Handur¹, Nirmala Patil⁴, Pooja Shettar¹, Neha P⁶ School of Computer Science and Engineering

Abstract

Abstract Teaching individual courses in our curriculum is done with nadequate focus on integrating the learning with other ocurses showing less interstin harning process. This paper presents the new teaching approach developed by us to each the system software for the computer science students. In this approach we are integrating the System Software course with the learning in the course on operating system. This paper is written to the one interested in design of different things, lear load, or even to computer the level languages lea dava, C, C + + n, etc., who sometimes need to do tow-level programming in Windows. Our example for w-level programming in Subade around system loading, the we will show how to develop a boot boader. Boot loader fourchour is to bad operating system into memory. In this arrited, we consider how BIOS operates and system components work with each other during booting. We have a dote technique. This activity moving boot loader and mixed dote technique. This activity moving boot loader and mixed optone the system at the hardware level and resulted in the system. This activity moving boot loader and mixed optone the proformance and understanding the course. *Exprange: System Software, Teaching approach, Boot* Keywords: System Software, Teaching approach, Boot loader, System Loading.

IMPLEMENTATION OF PROJECT-BASED-LEARNING (PBL) APPROACH FOR BIOINFORMATICS LABORATORY COURSE. Sharanappa A., L.R.Patil, V.S.Homabalimath and Uday Muddapur Department of Biotechnology

Abstract

Bioinformatics is an interdisciplinary field involving biology, computer science, mathematics & statistics concerned with the development & application of computer hardware& software to acquire, storage, analysis & visualization of biological information to draw a meaningful conclusion. This interdisciplinary nature makes bioinformatics an ideal framework to experience students the interplay between different scientific areas, while touching on societal aspects mainly on health and environment. Implementing Project-based learning (PBL) in Bioinformatics laboratory promoted students involving in experiential learning and critical thinking through group activities, improves problem analyzing and solving skills, bridge the gap between teachings and understanding the course, concentrate on the fundamentals and its application etc. This paper presents the experience with PBL implementation for V semester students in Bioinformatics laboratory course. An open ended problem on different diseases was floated to the group (group comprising up to 4 students, maximum 4 groups in a batch). Cascade of laboratory experiments were performed to understand the molecular aspect of protein involved in pathogenesis. The activity was instrumental in addressing graduate attributes namely: problem identification & solving, identification of proper tools, data analysis and interpretation, communication skill and ability to work in teams were the major outcomes of this course. Rubrics-based assessment was performed to measure the attainment. Overall results show that the students were engaged in active learning and their understanding of the subject was enhanced. Keywords: PBL, Bioinformatics, Pathogenesis.

aculty conclave Eighth edition

BT 01

FY_02

EXPLORING THE CAPABILITIES OF FRESHMAN STUDENTS IN PROBLEM FORMULATION AND IDEATION PHASES OF DESIGN THINKING Kaushik M, Gopalkrishna Joshi

Abstract

Abstract An ability to solve the problem is considered to be one of the important attitute for 21st century engineers. One of the best ways to enhance the problem solving skills among tedge that the problem solving skills among tedge to be course tidel engineering statement, sketching conceptual designs (ideation), tedeveloping product architecture, doing details to be that includes formulating problem statement, sketching conceptual designs (ideation), tedeveloping product architecture, doing details to be the problem statement, sketching and testing, it is observed that problem formulation phases and details phase in first two shorts are considered and the suby cloueses to investigate the capabilities of treshman students in first two sensetrs were analyzed to understand the capabilities of reshman students and the results show that more structured ways mentoring the students help them to perform better in the states. Represente: Design Thrinking, Problem cellention, Ideation, tensore the problem commune and the study cloues to the phases.

Keywords: Design Thinking, Problem definition, Ideation, Engineering Design Process, Project based learning.

STRUCTURAL CHANGE OF MBA PROGRAM AT SMSR S.V.Patil, Chetan Hiremath, Nagaraj R Navalgund

School of Management Studies and Research,

MB_05

Abstract

The change has no consistency yet persists. To sustain and grow, it is The change has no consistency yet persists. To sustain and grow, it is necessary to embrace change. It is applicable to higher education system as well and so is with E-schools MBA program. Higher ducuation reforms normally talk about Curricula and pedagogy, faculty, partnership and infrastructure but not Program Structure. An MBA program to succeed and attain Program Outcomes is a subject of four components viz. Structure, Curricula, Delivery and Assessment. Structure is relatively permanent and critical leads to radical change and others components are flexible on a periodic basis lead incremental change in the program.

Top 50 B-schools (Tier I) in India such as IIMs, XLRI, MDI, SP Jain, TAPMIare into trimester system for the obvious advantages. Tier II and Tier III B-schools follow semester system baring few. During this academic year (2017-18) SMSR transitioned to Trimester system with the support of BoS and AC of KLE Technological University. The robustness of academic rigor of semester system of SMSR has set the path for smooth transition to trimester system. The curricula has been re-organizedfrom the existing 4 semesters into 6 trimesters. Each of terms have only 4 theory courses instead of 6-7 courses. Students will terms have buny a hear you do see instead or 6-y courses, adulating win get more time for focused and self learning. One year has been successfully completed and indicators are good in-terms of results. Faculty members are getting quality time for researchand administration. No doubt there will be a slightly more administrative load, can be managed. The responses from students and faculty members have shown positive indications of implementing timester system. Other stakeholders response can be captured after completion of one cycle.

Faculty conclave Eighth edition

ME_02

R. S. Savadi, C. N. Shet, Anandraj Desai, Vinayak Khatawate, Madhusudhana School of Mechanical Engineering

Abstract

The famous quote of Chinese Philosopher Confucius says 1 hear and 1 forget. I see and 1 remember, 1 do and 1 understand" and the goal of engineering deucation is to prepare students to practice engineering (1). Thus instructional laboratories have been an essential part of engineering education from 1802. Improvement in digital computation, development of osfrware packages, high integration of software with hardware, and high speed networking has led to different methods to realize the concepts better. The different methods are using Simulation, Standaples kill (the Black hod) from vendor. Discrete components (like white box), Virtual simulation, and Remote access of real equipment.

In this context the question before us was to improve the understanding of concepts of a course by appropriately selecting method(s) of conducting a laboratory experiment.

This paper describes the history of some of these methods of conducting experiments. The paper suggests choice of a method based on few factors and outcome of the course. In particular, the paper considers a case to appropriately select method(s).

Students have expressed their positive opinion in the semi-structured interview. The same was observed in the end semester results. This shows that, students have had the better understanding of the concepts.

Key Words: Experiments, laboratory, Methods, Course outcome

EFFECTIVE UTILIZATION OF MAKERSPACE FOR FACILITATING PRODUCT REALIZATION COURSE Praveen P, Salish C, Shivaprasad M, Raghavendra Shel, Santosh, Shreeshail. S B Burli

Abstract

The Makers Space is a state of art facility created to promote product development and realization ecc-system on KLE Technological university campus and is administered by the college as resource for all engineering departments. The goal is to provide a new engineering educational experience that highlights the interdependency of design and manufacturing in a present dynamicmarket. It thends to provide students with unique learning experiences on real industry problems and products in a work emulating environment. The Makers space provides modern design, prototyping and manufacturing facilities like 3D printer, Laser cutting machine, PCB etching machine which helps to realize any electro mechanical product. The students were made to avail the maker space facility by undergoing a safety training session, the safety session emphasizes on the personal safety in the workshop, safe handing of the equipment. The lam of engineering design and product realization course is to align students to be conversant with the modern manufacturing facility. Ike Makers space and indeed support the students and entrepreneurs to convert their product ideas into reality. The facilities encourage student teams, faculty members and entrepreneurs working towards creating products to realize our national denam "Make inding".

More and more educational organizations across the world promote experiential learning models to prepare their students for professional life. This paper discusses approaches for effective utilization of Makers Space for competency development, by addressing problems related to manufacturing and assembly. As a result, students could design and develop the products to address the real world problems.

Key Words: Prototyping, Personal safety, make in India, Makers space

aculty conclave Eighth editio

Faculty conclave Eighth edition

CEF

ME 09

ME 10

AN APPROACH OF PROJECT BASED LEARNING IN POST GRADUATE ENERGY SYSTEMS ENGINEERING PROGRAMME Rakesh Tapaskar, M.B. Gorwar, R.S.Hosmath, P.P.Revankar School of Mechanical Engineering

Abstract

Engineering is the immediate application of the scientific learning to the real-world problems. Engineering education is one of the most vital aspecis in shaping the future engineers of the work1. The methodology of content delivery and its understanding has been reformed number of times throughout the past to solve the present generation of complex technical problems enhancing the standards and comforts of human being. One of the practices employed in the engineering education is outcome-basededucation. Outcome based education based on the goals, the theory revolves around achieving the goals. The very goal of such a OBE based education is to make student achieve the goal of the course or the programme heyke is undergoing. The present work reports the adoption of OBE in the interdisciplinary post graduate environment comprising of Becrical and Mechanical graduates. The PBL apprach of learning has brought a drastic change in the understanding and problem-solving capabilities of the student in turn improving their adaptability to accommodate themsekwe in the real life interdisciplinary problems. The activity addressed the Programme Outcome PO4, PO5 and PO6 that tostered to the attainments of higher levels of learning in the connected courses. The Observations also indicated an improvement in the performance in students as reflected in the results gathered from the current batch and preceding batch of students taking the similar course.

Key Words: Project based learning, Engineering Pedagogy, Engineering Education

PEDAGOGICAL INTERVENTIONS IN TEACHING THERMAL ENGINEERING COURSES AT UG PROGRAMME LEVEL Yunus T, Khandal S.V., M.B.Gorwar, N.B.Banapurmath, P.R.Bevankar School of Mechanical Engineering

ME 11

Abstract

The Mechanical Engineering discipline forms one of the earliest among the emergent fields support the Industrial world in several dimensions. This stream of Engineering encompasses several diomains that include Thermal, Materials and Design, Manufacturing and Management to list a few. The rele of a Mechanical Engineering in Power generation. (10) Exploration, Process Industry and Aviation Industry. The Mechanical Engineering investigation, Process Industry and Aviation Industry. The Mechanical Engineering investigation, Process Industry and Aviation Industry. The Mechanical Engineering Chrower generation. (10) Exploration, Process Industry and Aviation Industry. The Mechanical Engineering Chrower generation, explored proteins in engineering education, who have strongly suggested newer pedago[cal Interventions to address the new genera ol Bearnes. The switch-over Indirective teaching learning has been the need of the hour more so ever for the courses that need strong conceptual understanding and application. The OG course in Mechanical Engineering. The supportation work addresses the chemedor Hender Low Strong Stander Strander Courses that Include Fluid Mechanics. Thermodynamics, Heat and Mass transfer for the UG course in Mechanical Engineering. The supportative atdresses the toellowerse through Indirective Learning tools (11) that were well accepted by the student fraterity. The activities initiated alimed at Programme outcomes towards improvement of application skills, use of computational tools and motivitie research initiatives in students. The world covers is many developing internst of the students in the students in terms of better grades and eveloping internst. The subtry exercises. *Key Words:* Thermal Engineering Courses. Interactive Learning Tools.

Key Words: Thermal Engineering Courses, Interactive Learning Tools, Student research initiative

Faculty conclave Eighth edition

Faculty conc

ME 12

MINOR PROJECT APPROACH TO IMBIBE ENTREPRENEURSHIP IN PG ENERGY SYSTEM ENGINEERING – SOLVING REAL WORLD PROBLEM Rakesh Tapaskar, M.S.Gorwar, R.S.Hosmath, P.P.Revankar School of Mechanical Engineering

Abstract

Engineering education can be regarded as a lone system of educational arena where the student can readly be transformed into real world entrepreneurs. The skillset acquired during the engineering education can be directly applied to solve the real world complex problems. World keeps on changing at a faster pace than the time taken by the one to learn and understand. Every new day a new challenge emerges posing a new opportunity for engineers to practice their skill in solving It. The past decade has proved the potential value of introducing entrepreneurship concepts during ongoing education. The present paper elaborates the adoption of bits and pieces of real world problem in the form of minor and major projects in PS Energy System Engineering programme which motivated students to be tchnical entrepreneurs of them projects could trian dar present els students to contribute a remarkable service to the society. The interdisciplinary with adaptive understanding to solve the complex problems of the real world. The glimpse of these real-world/problems when adopted into the academia in the form pojects could trian and present be students to contribute a remarkable service to the society. The interdisciplinary programme of Energy Systems Engineers has brought in the bedned of real world challenges and opportunity for the students developing the skill of working in heterogenous groups of Electrical and Mechanical engineering instreams. The cases study of the entrepreneurship programme implemented across various colleges and universities throughout the world and its inspace to the students is also presented in the paper.

Key Words: Engineering Entrepreneurship, Interdisciplinary Engineering Education

REVISION OF POST GRADUATE CURRICULUM : BRIDGING THE GAP Rajashekar B. Shettar, Priyatam Kumar, Nalini Iyer, Rohini Hongal

Department of Electronics and Communication Engineering

Abstract

aculty conclave Eighth edition

It has been observed that a number of students who admitted to M.tech programme exhibits large variation in abilities or knowledge and skills as they come from different regions, colleges and disciplines, PG students are more mature as compared to UG students, and it is expected that they should be able to do a significant amount of saft inquiry and self study. But now a day quality of incoming students has drastically reduced due to many reasons and they lack in basics. Postgraduate courses should therefore be more inforwase as compared to undergraduate courses. Inrespective of reintation of the student, whether towards research or employment, the performance of students in the courses is degrading. Thus, any efforts towards improving the quality of M. Tech. Programme would certainly improve the employability of the students as well. The curriculum has to be so designed as to provide enough opportunity and direction for this to hagoer. Therefore, need has been sell. The curriculum has to be so day digital dectornes, basics of microcontroller, signable & skystems and data structures with hands on experience to improve the basic knowledge of PG students. This paper is intended to discuss the need and outcome of revising PG curriculum structure.

CEER

CEEF

EC_12

EC_10

"AUTOMOTIVE ELECTRONICS COURSE PROJECT TO PLACEMENTS:A SUCCESS STORY"

> Venkatesh Mane , Prabha N , Gireesh H M, Nalini C. Iyer School of Electronics Engineering

Abstract

The automotive industry is one of the fastest growing industries across the world. To address the needs of the industry automotive electronics course is being inforduced at the third year of the under graduate program. The course being highly interdisciplinary in nature requires the competencies related mechanical systems, control systems, electronics and software engineering. The course mainly deals with development of embedded systems involving hardware and related software to realize various functionalities on the mechanical systems. To make the students of electrical science to get more acquainted with mechanical systems and apply the electronics better, course project was introduced, which eventually ignited the thought process of the students and came with new ideas in the areas of automotive electronics and which later got selected for the prestigious project competitions such as "Bosch inscribe" and "KPIT Spakka" along with offer letters from the industry.

Key Words: Automotive electronics, integration, ECU development, placements, course projects

DATA STRUCTURES MADE EASY THROUGH THE INNOVATIVE TEACHING METHODS

EC_09

VenkateshMane ,HeeraWali , Ramesh H, Nalini C. Iyer School of Electronics Engineering

Abstract

Austract Data structures using C course is a core foundation stone in building students career, But there are many complicated concepts in IL in order to help students to master the data structure concepts, this paper describes the use of blended learning through live demonstration of concepts such as storage dasses, stacks, queues, linked lists and binary trees and Hackattons on C and data structures. This blended learning model is realized as a combination of teaching methods, project-based teaching and E-learning. Performance of the students after the experimentation was phenomenal. This blended learning model may provide more effective and efficient educational experience inteaching data structures using C.

Key Words: Live demos, project-based teaching, blended learning; Elearning; data structures and algorithms;

Faculty conclave Eighth edition

Faculty conclave Eigh

CEE

EC_05

A COLLABORATIVE APPROACH FOR SKILL DEVELOPMENT AND EMPLOYABILITY

Saroja V. Siddamal, Shamshuddin K, Heera Wali, Vijaya Eligar, Nalini C. Iyer School of Electronics and Communication

Abstract

In India VLSI talent is in short supply, it is not a problem of quantity, but it is a problem of quality – the quality of VLSI education and quality of students getting through engineering institutions is poor. The biggest challenge faced is inth (resh VLSI graduates are not readily employable. There is dearth of verification engineers in VLSI industry, opportunities are available but they lack in skill set. They need to be trained for a year before becoming industry; eady. The real solution to solving this issue is to offer good quality VLSI education.

sowing mix issues to orer good quarty VLs education. To address these issues KLE Tech, ESA and SEER have collaborated as a tri-partner agreement in introducing two new courses Advanced Digital Logic Design and Advanced Digital Logic Verification. The course contents are designed, delivered and assessed by in-house and industry expert to built competence. The key to the success of these courses is the extensive industrial experience that develops the student's skill and employability attributes.

Key Words: Verification, IESA, SEER, Employability.

EC. EXPERIMENTING CURRICULUM DELIVERY THROUGH INDUSTRY INSTITUTE COLLABORATIVE DOMAIN SPECIFIC THEME BASED PROJECTS

Ujwala Patil, Nalini C. Iyer School of Electronics and Communication

Abstract

In this paper we share our experience with curriculum delivery through industry institute collaborative domain specific theme based projects. We had floated the theme based projects and industry thotad projects during their shi and 6th semester respectively. The theme based projects facilitate the students to think beyond the curriculum, and the industry projects help them to mould themselves to the industry expectations. The theme decided for 5th semester 2017-18 batch students (trist batch of KLE technological university) was to enhance their coding skills with focus on optimization. During their 6th semester trive had to choose the projects from the pool of around 13 industry projects. Along with technical skills, the presentations skills are also mandatory to mark their feet in the competitive world, students were guided to use open source English grammar checking and plagiarism checking tods to speak the same language to solve the given problem within a short span of a semester. Towards this, the completent students are allowed to continue with their foth semester projects als RP with exemption of two electives in their forth conting semesters. The vision of IRP is to mould the students to industry product.

CEER Faculty conclave Eighth edition

CEER

EC 03

CS_08 Design and enhancement of students learning through Project Based Approach: An experience in Iot Course

Preeti T, Sunil V, Gurlahosur, Dr, Meena S, M,

Abstract

aculty conclave Eighth editior

Recent growth in Information and Communication Technologies has created a new paradigm called Internet of Things (107). This paradigm shift towards 106 provides scatterings access in information through novel methods and connects people, processes, data and things together in unprecedented ways. The rapid adoption of 107 is found in every field with a diversity of application for smart homes, buildings, health care, retail, agricolutine, construction etc. Hence for every Computer Science Undergraduate knowledge about 107 has become kind of must to stay industry relevant and also up to date with recent technologies and innovations. In order to make students acquaint knowledge on this new paradigm, we introduced that onented course (Credits: 2-0-1) on IOT. This will further help students shape career in better way once they join industry and also while pursuing higher studies. The course was delivered with the set of outcomes (Cd's) which focusses more towards practical applicability of the concepts. As part of course study, students implemented projects which provide solutions to real time problems found in day-to-day life with the use of various Sensors, BLE tags and Boards (Raspberry, Tl CG3220 & NodeMCU), to experience and appreciate the concepts from practical perspective.Different reviews were conducted at various levels which has helped students in continuous improvement of their knowledge, design and conduction ability. The course offered was an elective course, hence students performance well in both In Semseter Assessment adard End Semseter Assessment. EXPERIMENTING CURRICULUM DELIVERY THROUGH INDUSTRY INSTITUTE COLLABORATIVE DOMAIN SPECIFIC THEME BASED PROJECTS

Ujwala Patil, Nalini C. Iyer School of Electronics and Communication

istract

In this paper we share our experience with curriculum delivery through industry institute collaborative domain specific theme based projects. We had folated the theme based projects and industry folated projects during their 5th and 6th semester respectively. The theme based projects facilitate the students to think beyond the curriculum, and the industry projects halp them to mould themselves to the industry expectations. The theme decided for 5th semester 2017-18 batch students (iffs blach of KLE technological university) was to enhance their coding skills with focus on optimization. During their 6th semester they had to choose the projects from the pool of around 18 industry projects. Along with technical skills, the presentations skills are also mandatory to mark their fest in the competitive world, students (with backing tooks to prepare their project reports towards enhancing their technical writing skills. It was challenging to meet the expectations of the industry and to speak the same language to solve the given problem within a short spear of a semester. Towards this, the competent students are allowed to continue with their 6th semester projects as IRP with exemption of two electives in their forth coming semesters. The vision of IRP is to mould the students the development of the product.

CEER Faculty conclave Eighth edition

CEER

EC 03





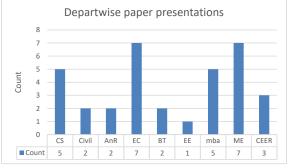


Centre for Engineering Education Research

Faculty Conclave 2017-2018

A Two-day Faculty Conclave-2018 was organized by Centre for Engineering Education Research (CEER), KLE Technological University, Hubballi on 26-27th, July, 2018. Being initiated in 2011, this event is one of the annual highlights.

The Faculty Conclave provides a platform to showcase new pedagogical practices and research in the realm of engineering education at KLE Technological University, Hubballi. The event showcased 50 paper and poster presentations by the faculty members belonging to different schools and departments of the university.



Spread over eight sessions, the five distinct themes of the event are:-

- 1. Curriculum Innovation
- 2. Outcomes Assessment
- 3. Experiential Learning
- 4. Pedagogies in Engineering Education
- 5. Research Experiences, Entrepreneurship and Industry Institute Collaboration
- 6. Graduate Program Experiences
- 7. Technology Enhanced Learning & MOOC Experiences

The faculty of the institute actively participated in the deliberations during the conclave. The event served as a forum for exchange of ideas and practices followed across the various schools and Departments of the KLE Technological University.



Centre for Engineering Education Research

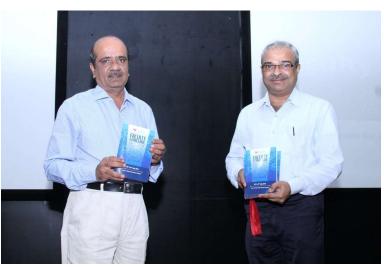


Figure 1 Figure 5 Dr. Ashok Shettar, VC and Dr. Gopalkrishna Joshi, Director, CEER releasing the proceedings of Faculty Conclave 2018



Figure 2 Figure 6 Faculty members interacting during a presentation



Centre for Engineering Education Research



Figure 3 Figure 7 Faculty member presenting a paper