3.3.2.1 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), entrepreneurship and skills development during the last five years

Enclosed event reports of Research Methodology, Intellectual Property Rights (IPR) and skills development

A.Y. 2019-20 (Part-B)

# Geethanjali College of Engineering and Technology

CHEERYAL (V), KEESARA (M), Medchal (Dist), Telangana

# **Department of Computer Science & Engineering**

# **CIRCULAR**

Date: 14-06-2019

A Faculty Development Program on "Mobile Application Development" is organized by CSE Dept.as per the details given below

Date :

18-06-2019 to 22-06-2019

Time :

10 am to 3:30pm

Venue:

Lab-5, Block-I

Topics:

Android studio for application development

Resource-Persons:

Ms.D.Kamatchi Devi, Sr.Technical Trainer, ICT Academy

Coordinator:

Ms Ester Varma Assoc.Profesor,CSE Dept,GCET

All faculty members have to attend the same positively except on essential duties.

HOD-CSE

eestranted Codege of Engineering and Technology Judonomous) (M), Meddad Dist. (T.S.) - 501 301



# Geethaniali College of Engineering and Technology

(Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad) Sy.No. 33& 34, Çheeryal (V), Keesara (M), Medchal District. (A.P.)-501301.

Date: 04-04-2019

To,

The Principal,

Geethanjali College of Engineering and Technology,

Cheeryal.

(Through Proper Channel)

Respected Sir,

Subject: Request for permission to conduct FDP -Reg.

We are pleased to inform you that the department of CSE is planning to conduct five days Faculty Development Program on "Mobile Application Development" from 18-06-2019 to 22-06-2019. The FDP aims at bringing the faculty and research scholars together to exchange ideas and information on current research and have a practical experience in this field of Mobile Application Development and also equip the faculty with required knowledge to handle a course on Android Application Development for B. Tech IV year students.

In line with this, we request you to kindly grant us permission to conduct the FDP in collaboration with ICT Academy.

Thanking You Sir,

Yours Sincerely,

(Dr. G. Soma Sekhar)

Deost Rs. 10K Sometho Submitted to Secretary - TO

The Principal Geethanjali College of Engineering & Technology Cheeryal.

Respected Sir

Sub: Requesting budget approval for FDP-Reg.

The department of CSE is planning to conduct **FDP** on **"Mobile Application Development"** from 18<sup>th</sup> June 2019 to 22<sup>nd</sup> June 2019. We are hereby submitting the detailed budget required for the FDP for your kind approval.

S.N.	ltem	. Per Session/Day	Amount
1	Tea and Snacks for Participants	10 Sessions @ Rs.10 for 40 members	Rs. 4000/-
2	Working Lunch for participants	5 days @ Rs. 50 for 15 Members	Rs. 3,750/-
	Special Lunch for guests	5 days @ 100 for 2 members	Rs. 1000/-
3	FDP material (File, Note Book, Pen, Certificates, etc.)	30 Members @ Rs.40	Rs. 1,200/-
4	Banners, Bouquets for Resource persons	-	Rs. 600/-
	Expend	iture to be met from College	Rs. <b>10,550</b> /-

Thanking you Sir

C.Esther Varma
Associate Professor-CSE

(FDP Coordinator)

Geethanjali Colidge of Engineering and Technology

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# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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# Certificate of Participation

This is to certify that

impovate Colluborare Educate

organised by the department of Computer Science and Engineering

in association with ICT Academy from 18th to 22th June 2019.

faculty development program on "Mobile Application Development

has participated in a five day

Or. Udaya Kumar Susaria

Dr. G. Somasekhar

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# A. For College Initiatives

Name of College	
Name of College	Geethaniali College of Engg. and Technolog
Address	Geethanjali College of Engg. and Technolog Checyal (V), Keesara (M), Medchal Dist. Telangana, 501301
Name of the Training program required	Mobile Application Development
Preferred Dates for the Training Program	18th Tune 2019 to 22nd June 2019.
Duration for the selected training program	5 days.
Timing for the Program	9:30 am to 3:30 pm.
Number of Systems in Lab	60.
Technical Support (If Required) Person Name and Designation	Mr. M. Vijay Bhaskar Reddy. Associate Professor
Technical Person Contact Number	9399973289
Audio/Visual Equipment's Required: (Collar Mike, Speaker, Projector, Screen, Laptop / Desktop)	Available Not Available
Local Transport – Participants (College Buses)	Available Not Available
Local Transport – Trainer	Available Not Available
Venue Details	Collège Seminar Hall 4 Computer lab.
No. of Faculties to be nominated (Maximum 10 only allowed)	10
Ma haraby agree that the dates we have	encorporate di constructione di construc

We hereby agree that the dates we have requested are confirmed and there will not be any change in the program. In case of any change in program on the requested date we will intimate the same in writing before 3 working days.

R) Udaya Kumar Suarla Name of the Principal

(Principal Signature with seal)
PRINCIPAL

Goethanjali College of Engg. and Tech. Cheeryal (V), Koesara (M), Medichal Dist.(E.S.)-881 301

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# Geethanjali College of Engineering and Technology Cheeryal(V), Keesara(M), Medehal(D)

Faculty Development Program on "Mobile Application Development"  $18^{th}$  to  $22^{nd}$  June, 2019 Organized by Department of Computer Science Engineering

# **Attendance Sheet**

i.No		College Name	18-06-2019	19-06-2019	20-06-2019	21-06-2019	22-06-2019
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8	Y.Kousalya	GCET	y Kongolyon	y. Konzalya.	g Konsalyer.	y konealyon.	y Kongalyon
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# FDP on Mobile Application Development



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# A Report on

# **FDP on Mobile Application Development**

Objective: to provide the faculty with an understanding of Mobile application development

Outcome: Faculty worked on Mobile application development and deployment

Geethanajli College of Engineering and Technology has conducted a one week Faculty development program on Mobile Application Development .

After much discussion and deliberation within the faculty of CSE to recognize the recent advances in technology and its outreach for pursuing research and guiding the students to do project based learning, the faculty have come up with the need of organizing a one week faculty development program on the recent advances in computer science and information technology areas.

The FDP was inaugurated by Dr. Udaya Kumar Susarla, Principal, Dr.DSR Murthy, Head, Department of Computer Science and Engineering, Ms.D.Kamatchi Devi,Sr.Technical Trainer, ICT Academy The keynote speech by Dr G.Udaya Kumar Susarla,has highlighted the concerns about the raising technological changes and the need for the faculty to adapt to these changes, he also advised all the faculty to take part and participate actively in the FDP..

Around 31 faculty has participated actively in one week FDP and has also worked on few projects given by the expert. she has covered following points in sessions.

Mobile Application Device platforms, Mobile Application Front end, Mobile application Back end and comparing native versus Hybrid applications.

Vote of Thanks was rendered Ester varma, Associate Professor, Dept of CSE, GCET.

Geetineniali College of Engineering and Technology

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# Geethanjali College of Engineering and Technology

CHEERYAL (V), KEESARA (M), Medchal (Dist), Telangana

# **Department of Computer Science & Engineering**

# **CIRCULAR**

Date: 22-11-2019

A one week Faculty Development Program on "IoT Using Python and R programming, Introduction to Hadoop" is organized by CSE Dept.as per the details given below

Date

25-11-2019 to 30-11-2019

Time :

10 am to 3:30pm

Venue:

E-Class 2, Block-I

Topics:

IoT and R programming

Resource-Persons:

Mr.J.Uma Mahesh, Asst. Prof, CSE Dept, GCET

Mr. Phani Kishore, Asst. Prof, CSE Dept, GCET

Coordinator:

Ms Ester Varma Assoc. Profesor, CSE Dept, GCET

All faculty members have to attend the same positively except on essential duties.

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(Authornorous)

Cheeryal (V), Keesara (M), Medicual Dist. (T.S.) - 501 301

# **REGISTRATION FORM**

One Week Faculty Development Programme on IoT Using Python, R Programming, Introduction To Hadoop

1. Name:	
2. Date of Birth & Ag	e:
3. Gender (M/F):	
5. Teaching Experien	ce:
6. a) Designation:	
	iversity:
8. Address for Comm	unication:
	2
9 Phone Nos.:	
	(Res)
E - Mail ID:	
Date:	Signature of the
200	Participant Name:
5 0	
华丽	
Office seal Sign	ature of the Principal
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Register Online at:

https://bit.ly/34SVrxt

Last date for Submission of Application 24<sup>th</sup> November, 2019

Who can attend: Faculty/ Research Scholars/PG students

Registration fee: Rs. 500/-

Fee can be paid in Cash / D.D. in Favour of "The Principal" Geethanjali College of Engineering and Technology Payable at Hyderabad.

Advisory committee:
Dr.G Soma Sekhar, Assoc Head, CSE
Dr. N. Ravi Shankar, Professor
Dr. Ch.Ramesh Babu, Professor
Dr. B.V Swathi, Professor

Coordinator
Ms. C.Esther Varma, Assoc. Professor
esthervarmait@gmail.com
+91-7702234519
Co-Cordinator
Mr. J. Uma Mahesh, Asst. Professor
umamaheshsjcet@gmail.com
+91-8374878521

Spot Registrations are also available.

ONE WEEK
FACULTY DEVELOPMENT
PROGRAM ON
IOT USING PYTHON, AND R
PROGRAMMING, INTRODUCTION TO
HADOOP
WITH HANDS-ON
(25<sup>th</sup>- 30<sup>th</sup> NOV 2019)

Chief Patron

Sri. G. R. Ravinder Reddy, Secretary

Patron

Dr. S. Udaya Kumar, Principal

Convener

Dr. D S R Murthy,
Professor & Head, Department of CSE

ORGANIZED BY



Striving towards perfection...

Department of Computer Science Engineering
Geethanjali College of Engineering and
Technology Cheeryal (V), Keesara (M),
Medchal Dist,
Telengana-501301, India
www.gcet.edu.in

In association with IEEECS-GCET, CSI and ISTE

# **ABOUT THE INSTITUTION**

Geethanjali College of Engineering Technology has been structured to take a quantum leap on the changing trends of technology. The need of setting up the college emerged when no other college could fulfill the aspirations of a student in his/her endeavor to acquire wholesome education. The college has its strength lying in its principles of providing the right learning environment for the student. The campus epitomizes the Geethanjali motto, "Striving Towards Perfection" in providing the best of infrastructure, ambience and quality faculty. The college is recognized as Scientific and Industrial Research Organization (SIRO) by the Directorate of Scientific and Industrial Research (DSIR) - New Delhi.It is NAAC accreditated with 'A' grade. Three programs, B.Tech.(CSE), B.Tech.(ECE) & B.Tech.(EEE), of GCET are accredited by NBA, New Delhi.

At Geethanjali, perfection is a passion.

# ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 2005 and currently offers an Under Graduate program B.Tech in Computer Science and Engineering with an annual intake of 240 students and 1 Post-Graduate program M.Tech in Computer Science and Engineering with an annual intake of 30 students.

The Department is headed by Prof. D. Sree Rama Chandra Murthy is having a total experience of 33 years in Teaching and Research. Accomplish career demonstrating consistent success as an administrator and educator at the graduate and post-graduate education levels. He is an effective communicator with excellent planning, organizational, and negotiation strengths as well as the ability to lead, reach consensus, establish goals and attain results.

There are 9 Professors, 14 Associate Professors, and 52 Assistant Professors in the department for UG. The department has 14 Programmers and 5 System Administrators to assist and maintain the computer laboratories. All the faculty members are encouraged to participate in Faculty Development Programmes, Conferences, Workshops, Publication of Research Papers and active involvement in R & D activity.

# IoT with Python:

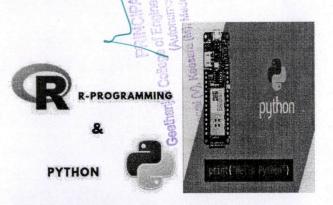
Python has its own importance in IoT. However, there are different other languages used in this purpose like Assembly, C, B#, C++, PHP, JavaScript, Java, Rust, and others. IoT has its own importance in Data Analytics, Wireless Sensor Networks, Big Data, Cyber-Physical Systems, and Machine Learning. This language is very focused on real-time processes and analytics.

Python is frequently used by developers as it is more flexible than Java or C. It has been a great resource for Web application development. It is best for IoT projects as it supports embedded programming. Python has achieved great traction in IoT as it is best for data-intensive developments, especially in

managing complex data. In addition, Python source codes are very readable and compact due to its clean syntax. It works smoothly with small devices that have less memory and limited calculation strength.

# **R-Programming:**

Over past several years R has garnered immense popularity among Data science practitioners and it is no surprise that R language is often as referred as lingua franca of Data Science! This Data Science with R course effectively covers basic of R, Statistical predictive modeling through various practical examples and how R will be used in Hadoop (RHADOOP)



# RESOURCE PERSONS

Department of CSE Faculty:

IoT with Python by: Y.V.N Phani Kishore
Assistant Professor

Dept of C.S.E

Data Analysis Using R Programming by
J UMA MAHESH
Assistant Professor
Dept of C.S.E

## A Report on

FDP on IoT Using Python and R programming, Introduction to Hadoop

## Objectives:

The FDP is designed to provide Basic knowledge of IoT using Python, and R programming.

Outcomes: Problem solving and programming capability.

This was the one week FDP on IoT using python, and R programming, organized for faculty of GCET to explore the power and simplicity of python language. This FDP was appreciated by the all faculty, as they were able to add another programming language in their technical skill set.

The following were the resource persons and their topics:

- 1. IoT with Python by: Y.V.N Phani Kishore Assistant Professor Dept of C.S.E
- 2. Data Analysis Using R Programming by : J UMA MAHESH Assistant Professor Dept of C.S.E

Total 11 faculty have actively participated in this FDP. The speakers has covered following points in 6 days sessions.

How Python has achieved great traction in IoT as it is best for data-intensive developments, especially in managing complex data. In addition, Python source codes are very readable and compact due to its clean syntax. It works smoothly with small devices that have less memory and limited calculation strength. It is best for IoT projects as it supports embedded programming.

The Data Science with R effectively covers basic of R, Statistical predictive modeling through various practical examples and how R will be used in Hadoop.

The FDP was concluded by taking feedback about the programme from the participants which was followed by the issuing of certificates to all the participants by the HOD, Dept of CSE.

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# FDP on IoT Using Python & R





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# FDP on IoT Using Python and R programming, Introduction to Hadoop Attendance Sheet

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# Vishwaniketan's

Project Based Learning Centre Of Excellence
Survey No-52 Off Mumbai-Pune Expressway Kumbbivali,
Tal- Khalapur, Maharashtra 410203.
Mobile: +91 9762051751 e-mail: director.pbl@vishwaniketan.edu.in

# Annexure "A" Capacity Development Programme for staff and Students

# 1<sup>st</sup> Cycle

· §	Activity 1	Two days introductory Workshop on PBL	Needed for Sustainability of PBL and for effective implementation	100% Administrators and Teachers training Selection of two subjects for Implementation
	Activity 2	Two days Teacher's training for Building Course Level PBL model	Needed for effective implementation	Course Level PBL model design with story board Assessment and Evaluation Plan
Sefore start of the semester	Activity 3	One day Teachers Training on PBL and outcome assessment	Needed for NAAC and NBA Also, for PBL assessment and Evaluation	Attainment calculations and Matrix
	Activity 4	Teacher's PBL model Presentations	First comments on PBL models	PBL Pitch Preparation
	Activity 5	Final PBL model Presentation	Final Review on PBL pitch	PBL Pitch
	Activity 6	Two day Workshop on Research in PBL	Needed for documentation to find effectiveness of PBL	Introduction to Research in PBL Data collection Strategies
First Two weeks of the semester	Activity 7	Students counselling	100 % students counselling for career prospects through PBL	Students awareness about Importance of PBL
ring the ond- third week of the semester	Activity 8	PBL Pitch — Presentations by PBL Teachers in the class	Classroom presentation is needed to understand PBL Practice	Students awareness about PBL implementation and assessment
After One Month	Activity 9	First review on CLPBL	Two days depending on number of courses	Documentary checking Students Feedback
After One Month	Activity 10	Second review on CLPBL	After One Month after first review	Documentary checking Students Feedback
At the end of the semester	Activity 11	PBL day- Project Exhibition	One day per department	Evaluation of PBL models and students presentations on their work

Geethaniali College of Engineering and Technology (Autonomous)
Cheeryal (V), Keesara (M), Meddrai Diet. (T.S.) - 501 301

Page 8 of 14

# Project Based Learning Centre Of Excellence Survey No-52 Off Mumbai-Pune Expressway Kumbhiyah,

Tal- Khalapui Maharashtra 410201 Mobile: +91 9763051751 c-mail: director pbl/a-vishwaniketan edu in

er sommenden er er sier 100 ste französischen Bredis i sommen som er		The second secon		Identification of Potential Start Up Ideas
After the end of the semester	Activity 12	Research and Academic Outcome assessment and Mapping	Full day	Creating documentary evidences Feedback Suggestions of the new designs
	Activity 13	Research Paper/ patent/ Business proposal Writing	Intellectual Property	Starting PBL research Culture and entrepreneurship
	Activity 14	Attainment calculations	For NBA	Outcome Mapping and attainment calculations File for NBA/NAAC
	Activity 15	Boot camp Training	For staff and students	Incubation Process starts on Identified Projects or New Ideas

<sup>\*</sup>Similar process will be executed for the 2nd cycle.

# Other con-current activities to be conducted

Sr. No	Name of Activity	Resource Person	Time Required	Participants	
1	4 Days Interaction Session with students & Teachers for Business Club , Presentation	Dr. S. S. Inamdar & Team	4 Days	Students , Facult	
2	Review Meeting with Principal & Management	Team from Vishwaniketan	2 Days in the semester	Faculty & Administrators	
3	Continuous Assessment Norms	Team from Vishwaniketan	2 Days	Faculty & Administrators	
4	Business Club Meetings	Dr. S. S. Inamdar & Team	Every Month	Students ,Faculty	

Geethaniali College of Engineering and Technology

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Cheeryal (V), Kassara (M), Meddhal Dist. (T.S.) - 501 301

Date: 05/01/2020

To,

The Principal, ViMEET, Khalapur, Navi Mumbai.

SUB: GCET - Resource person - PBL Workshop, January 2020 Relieving Order - Reg.

**Dr. Vikas V Shinde,** Director PBL-COE Vishwaniketan, was resource person for the two day PBL workshop at our campus. He was present in our campus from 03/01/2020 till 05/01/2020 for European Union proposal and PBL workshop. He is relieved from our institute on 05/01/2020.

Thanking you,

Geethanjali College of Engg. and Tech. Chearyal (V), Keesara (M), Medchal Dist. (T.S.)-501 301.

To

Dr. Vikas V Shinde, Director PBL-COE Vishwaniketan.

Geethaniali College of Engineering and Technology
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# Geethanjali College of Engineering & Technology ATTENDANCE SHEET - PBL WORKSHOP

	NAME OF THE			PHONE	EMAIL ID	DAY 1 - 4T	H January 2	2020
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						an want	Fi way	Dia
1	D. Varun Kumar	Asst.Prof.	Civil	9603518307	devvaru2@gmail.com	V	(AB -)	1
2	B. Kowshik Reddy	Asst.Prof.	Civil	9618111054	bkowshikreddy@gmail.com	Voal ford	Contraction of the Contraction o	Sar
	G Sampath Kumar	Asst.Prof.	Clivil	8465086028	gandharisampathkumar@gmail.com	TO TO	01	0
	D.Ramachander	Asst.Prof.	Civil	9441113196	ramachander66@gmail.com	(D) 4 (D)	1	197
5	G. Raju	Asst.Prof.	Civil	9492213263	guggillaraju108@gmail.com	Leone Leon	house	1 500
	P. Supriya	Asst.Prof.	Civil	8801211727	supriyareddy0929@gmail.com		100	Ins
	k.priyanka	Asst.Prof.	Civil	8074114005	priyankakrishna16@gmail.com	Khem 12000	H	1
8	Heari Kiran	Assoc. Prof.	Civil	814302224	strivocrub@gmail ha	stres store	200	FN17
	Harsha Praneeth	Assoc. Prof.	Civil	18008635080	invishact Offinal Com	1 0	ABS	TINA.
10	Mr. V. Goutham	Asst.Prof.	Civil	998556651	d vanamgoutham agmi	to of other Vision	4110	TANA
10	M Raja Krishna Kumar	Assoc. Prof.	CSE	9703130166	mrkk.gcet@gmail.com	ONLY 910	The latest terms of the la	THE PERSON NAMED IN
12	YVN Phani kishore	Asst.Prof.	cse		yvnphanikishore@gmail.com	Ras Tag	m ixour	1
	Ashok Sharma	Professor	CSE	9959985690	axsod @ Johns. cm. wh	Samon	1-10	TAC
13	Dr.Puja Prasad	Assoc. Prof.	CSE	733086053	Flya S. Prasado g mail com			1
15	A.Hare Krishna	Assoc. Prof.	CSE	768007030	B kns. hari- Klggmail.com	No Tal	re the	Hats
16	A.Sree Lakshmi	Assoc. Prof.	CSE		adepu.sreelakshmi@gmail.com	2500 000	740187	Talo
17	G.Praveen Kumar _	Asst.Prof.	CSE	970405143	gopagoni Prayeene Strailing	1	742	8K
18	S.Ramanjaneyulu	Asst.Prof.	CSE	7396382	191 ramony icsite grail.	0 83/ 8	VI XX	197
19	Y.Swathi Tejah	Asst.Prof.	CSE	901070320	3 tenhulla agmoil com	X	200	
20	M.Ajay Kumar .	Asst.Prof.	CSE	76 494449	of hisy muminalle gov	A A A	3 84	1
21	J.Uma Mahesh	Asst.Prof.	CSE	837487852	I certamaheshsicertogm	and iom & did		AC
22	Ch. Esther Varma	Assoc. Prof.	CSE		0 ,	C ABSI	SINI	
* (23).	Praween	Asst Prof.	CSE			A A	an	16
24	Dr.P.SriHari	Professor	ECE		mail2pshari@yahoo.com			U
25	Dr.S.Saritha	Assoc. Prof.	ECE	9966344292	saritha.saladi3188@gmail.com	Blue Law	Saug	a au
26	A. SUBRAMANYAM	Asst.Prof.	ECE	9000395815	subramanyamaradyula@gmail.co	m we we		1
$\frac{20}{27}$	OVPR. Siva Kumar	Professor	ECE		ogirala.sivakumar@gmail.com	CUL QUE		
28	P Naresh Kumar	Asst.Prof.	ECE	9866373432	naresh.mn2322@gmail.com	19 12 11 10 9 1X	#10+14	70
20	Dr P Spandana	Asst.Prof.	ECE	9603296965	spandanamadhav@gmail.com	1 says leps	1 500	NE

Geethanjali College of Engineering & Technology
ATTENDANCE SHEET - PBL WORKSHOP

S.NO	NAME OF THE FACULTY	DESIGNATION		PHONE NUMBER	PBL WORKSHOP  EMAIL ID	DAY 1 - 4TH January 2020
30	M.Laxmi	Asst.Prof.	ECE			Session 1 Session 2 Session 3 Sessi
31	Ch.Sandeep	Asst.Prof.	ECE	9392422999	laxmireddy.mitta9@gmail.com	James Joseph De
32	Dr.B.Madhuri		ECE	8978042911	sandeep.ece414@gmail.com	250
33	Raghuram Chandra	Assoc. Prof. Asst.Prof.	EEE	9010020113	mbayya@gmail.com	
34	Dr. Anil Kumar Puppala		EEE	8369581232		
35		Professor	EEE	9160624935	apuppala@gmail.com	Ar Ac Ac
36	Dr. Harish Pulluri	Assoc. Prof.	EEE		harishpulluri210@gmail.com	100
	N V Bharadwaj	Assoc. Prof.	EEE	9391604163	bharadwaj23@gmail.com	To make the
37	E.HimaBindu	Asst.Prof.	EEE		himabindusrinivas2015@gmail.com	in much the
38	Padmaja Voleti	Asst.Prof.	EEE		padmajavoleti08@gmail.com	TO TO TO
39	S.Poorna Chander Rao	Asst.Prof.	EEE	9533943555	SR&ptech07@gmailicom	Hedright Hadron &
40	Dr T Siva Prasad	Professor and HoD	ME	24	tallasiva@rediffmail.com	1800 (800) (800) (800)
41	Dr SShyam Kumar	Professor	ME		sskumarhyd@gmail.com	
42	Dr.M.Devaiah	Professor	ME		devaiah.malkapuram@gmail.com	3-colored of
43	Dr. Subhash Kamal	professor	ME	9948176918	subhashkamal@gmail.com	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
44	Mr. A. Santhosh	Asst.Prof.	ME		aadharisanthosh@gmail.com	100 m
45	K Praveen	Asst.Prof.	ME		Praveen.kola225@gmail.com	And And Man
46	Rajasekhar vangala	Asst.Prof.	ME	9885280833	rajasekhar4v@gmail.com	most most mose
47	K.Venkatesh	Asst.Prof.	ME	99510533538	venkateshkolusu@gmail.com	(G) (G) (G) (R)
48	N.S.Raghavendra	Asst.Prof.	ME	9481808686	nsavannavar01@gmail.com	May Mar
•49	Dr.J.V.Madhuri	Assoc. Prof.	FE ·	8790255193	msavannavaru i @gmail.com	
50	Dr.K.Shashikala	Assoc. Prof.	FE .	9908248973	vmadhur jupudi Agmal com	
51	Dr. Venkateswarlu · K		FE		Kala - Shashi 2010@ amail	· Com Spell gran Com
52	Mr.A.Shivakumar		FE		449571238 Venkat18120gmi	Kind Kind
53	Dr. J. Pardhasaradhi		MBA		shiva4678@gmail.com	19 13 10
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55	770 111		MBA	9701920050 v	sitamadhavi@gmail.com saikishore@gmail.com	Stend Stend Hend Strutt

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# Introduction to PBL workshop

The first workshop to introduce Problem Based Learning (PBL) to the faculty of GCET was conducted on 4th and 5th January 2020 in the college by Dr. Vikas Shinde. Fifty five (55) faculty from all departments attended the same. Dr. Vikas introduced he concept of PBL to the faculty and oriented the faculty about the importance of identifying the problem for a given ourse. The faculty prepared a problem canvas categorizing the different aspects of the identified problem. Dr. Vikas encouraged the faculty to present their work.

The faculty were divided into groups. Dr. Vikas the basic principles of PBL. The faculty worked on the PBL canvas for two

lays. Each group was asked to give a presentation regarding their canvas.













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# A Report on

### **PBL Workshop**

Objective—Faculty can use PBL extensively as their primary instructional method

Outcome- Faculty able to identify a problem statement

This was the two days' workshop on PBL organized for faculty of GCET. Total 11 faculty have actively participated in this workshop. The guest speaker: Dr. Vikas, Professor, Viswanikethan.

Project-based learning (PBL) is a model that organizes learning around projects.PBL can promote the development of critical thinking skills, problem-solving abilities, and communication skills. It can also provide opportunities for working in groups, finding and evaluating research materials, and life-long learning

He has covered following points in 2 days session

Any subject area can be adapted to PBL with a little creativity. While the core problems will vary among disciplines, there are some characteristics of good PBL problems that transcend .The problem must motivate students to seek out a deeper understanding of concepts.

The problem should require students to make reasoned decisions and to defend them. The problem should incorporate the content objectives in such a way as to connect it to previous courses/knowledge. If used for a group project, the problem needs a level of complexity to ensure that the students must work together to solve it. If used for a multistage project, the initial steps of the problem should be open-ended and engaging to draw students into the problem.

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# Two days workshop on

# Design and Development of Course Level Project Based Learning (CL-PBL) Curriculum

Day 1	Time	Activities	Material needed
Session-1	10:00 am to 11:30 am	Revision of PBL and PBL canvas/ Recreation of PBL canvas/ Problem Identification	Original/New canvas/ Workbook and sheet for PBL canvass
		Tea Break	
Session-2	11:45 am to 01:15 am	Principles and elements of PBL Curriculum Design Vishwaniketan PBL Models	Workbook and sheet for Curriculum Design Canvass
		Lunch Break	
Session-3	02:00 pm to 03:30 pm	Designing a PBL Course	Curriculum Design Canvass, sketch pens and sticky notes of different colour
	.4	Tea Break	REPRESENTATION OF THE PROPERTY
Session-4	03:45 am to 04:45 pm	Designing a PBL Course	Curriculum Design Canvass, sketch pens and sticky notes of different colour
		End of the day	
Day 2	Time	Activities	Material needed
Session-5	09:30 am to 11:30 am	Assessment Design	Curriculum Design Canvass, sketch pens and sticky notes sticky notes of different colour
TO SECURE AND ADDRESS		Tea Break	
Session-6	11:45 am to 01:15 am	Rubric for Assessment	Curriculum Design Canvass, sketch pens and sticky notes sticky notes of different colour
STATES NAME AND ADDRESS.		Lunch Break	40个的是现代的特色的。2007年
Session-7	02:00 pm to 03:30 pm	CL-PBL Posters Presentation	Sticky notes of different colour
	Language Control of the Control of t	Tea Break	
Session-8	0.145	Empathy Map	Curriculum Design Canvass sketch pens and sticky note sticky notes of different colour

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VIMEET PBL Centre of Excellence

# Geethanjali College of Engineering and Technology

CHEERYAL (V), KEESARA (M), Medchal (Dist), Telangana

# **Department of Computer Science & Engineering**

# **CIRCULAR**

Date: 21-05-2020

A One week National level Online Faculty Development program on "Introduction to Artificial Intelligence and Machine Learning" is organized by CSE Dept.as per the details given below

Date

25-05-2020 to 30-05-2020

Time:

4:30pm to 6:00pm

Mode of Conduction: online (Link will be provided on 25-05-2020)

Topics:

Machine Learning Algorithms

Resource-Persons:

Dr.K.Srinivas, Professor, CSE Dept, GCET

Dr.Ramesh Babu , Professor , CSE Dept, GCET. Dr.A. Sree lakshmi, Professor, CSE Dept, GCET Mr.J.Uma Mahesh, Asst. Prof, CSE Dept, GCET

Coordinator:

Ms Ester Varma Assoc.Profesor, CSE Dept,GCET

All faculty members have to attend the same positively except on essential duties.

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# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Organizing One week National level Online Faculty Development Programme

On

# "INTRODUCTION TO ARTIFICIAL INTELLIGENCE & MACHINE LEARNING"

FDP Dates: 25th-30th MAY, 2020

SESSION TIMINGS: 04:30 PM - 06:00 PM

## DAY WISE SCHEDULE

Dates	Topics
25/5/2020	1.Introduction to Artificial Intelligence 2. Machine Learning, Categories of ML 3.When and Where AI & ML are Useful 4.Basic Statistics
26/5/2020	Supervised Machine Learning Algorithms     Decision Trees     Naive Bayes Classifier
27/5/2020	Machine learning algorithms:  1. Regression  2.KNN  3. K-means algorithms
28/5/2020	PCA Method in Machine Learning Algorithms:  1. Introduction to Dimension Reduction  2. Dimension Reduction Techniques  3. Principal Component Analysis  4. PCA Algorithm  5. Practice problems based on principal component analysis  6. Implementation of Principal Component Analysis with NumPy.
29/5/2020	<ol> <li>Computer Vision Introduction.</li> <li>Image Classification and object detection.</li> <li>Depth Architecture of Convolutional Neural Network.</li> <li>Small Introduction to CV2 package using Python.</li> <li>Future Research scope in Computer Vision Techniques.</li> </ol>
30/5/2020	1. Machine learning on cloud: benefits 2. Machine learning as a service: providers 3. Machine learning on AWS: demonstration Case study 1: Amazon Recognition for image and video analysis Case study2: Amazon Transcribe: Speech Analysis Case study3: Amazon Sage maker: fully managed machine learning modeling with Jupyter.

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# Geethanjali College of Engineering and Technology

Cheeryal(V), Keesara(M), Medchal.(D) **Faculty Development Program** 

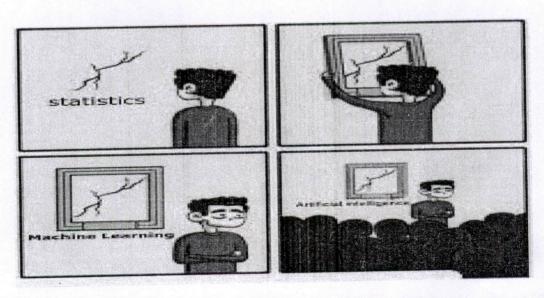
"Introduction to Artificial Intelligence and Machine Learning"

25th -30th May, 2020 Organized by Department of

# COMPUTER SCIENCE AND ENGINEERING

### TENTATIVE SCHEDULE:

Date	04:30PM to 06.00PM	Resource Person
Day-1 (Monday) 25/5/2020	Introduction to AI ,ML and Deep  Learning	MrHari Prasad
Day-2 (Tuesday) 26/5/2020	Artificial Neural Networks	Dr K Srinivas
Day-3 Wednesday) 27/5/2020	Machine Learning Algorithms	DrCh Ramesh Babu
Day-4 (Thursday) 28/5/2020	Machine Learning Algorithms	DrCh Ramesh Babu
Day-5 (Friday) 29/5/2020	Machine Learning –Dimensionality  Reduction	Mr J Uma Mahesh
Day-6 (Saturday) 30/5/2020	Machine Learning on Cloud	MrsA Srilaxmi



"The purest case of an intelligence explosion would be an Artificial Intelligence rewriting its own source code. The key idea is that if you can improve intelligence even a little, the process accelerates. It's a tipping point. Like trying to balance a pen on one end - as soon as it tilts even a little, it quickly falls the rest of the way." ~ Eliezer Geethaniali College of Engineering and Technology Yudkowsky.

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PROF. RAJESH SU...







# Certificate of Participation

This is to certify that \_\_\_\_\_ PROF. RAJESH SUDHAKAR WALSE

of <u>School of Computational Sciences (Research Center), S.R.J.M.U.Nanded;</u> has porticipated College of Dairy Technology, Warud (Pusad); M.A.F.S.U, Nagpur in a one week National Level Online Faculty Development Programme on "Introduction to

Artificial Intelligence and Machine Learning" from 25-05-2020 to 30-05-2020 organised

by Department of CSE in association with CSI-Hyderabad.

Dr. D S R Murthy HOD

Dr Udaya Kumar Susarla PRINCIPAL

of Engineering and Technology

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List of Participants rajashekarreddy.a@bvrithyderabad.er A Rajashekar Reddy 16vikas.chary@gmail.com a.yaswanthkumar.1817@gmail.com Dr. YASWANTH KUMAR AVULAPATI Aarthi M aarthimurugesan05@gmail.com ABISHEKERREDDY ANTHAM abhiantham@dmail.com ABISHA D abisha.abiya@gmail.com MOHAMED ABUBAKKAR N abubakkaruswa@gmail.com adepu.sreelakshmi@gmail.com A Sree Lakshmi Afreen Fatima Mohammed afreenfatima05@gmail.com AGNIVESH KUMAR AGNIHOTRI agnivesh.agnihotri@gmail.com aiain.iiit@gmail.com Dr Arti Jain Ajay Kumar Pandey ajaymnnit.pandey@gmail.com Akhila Khoday akhilakhoday@gmail.com Mr. R. AKHILESH REDDY akhileshreddy@biet.ac.in akmasuresh@gmail.com Mr SURESH TALWAR akshayviji1610@gmail.com Dr K VLIAYAI AKSHMI alankrita.agg@gmail.com Alankrita Aggarwal ADAVI LAKSHMI BHARGAV albhargav543@gmail.com Alka Kulkarni alkakulkarni.tcoer@kiei.edu.in Amara S A L G Gopala Gupta amara qupta@yahoo.com Sankaran A amarmagesh.aru@gmail.com AMIT KUMAR RAWAT amitrawat.mba@ritroorkee.com amitthakur744@gmail.com AMIT THAKUR G.L.ANAND BABU anandbabuit@cvsr.ac.in DAMA ANAND ananddama92@gmail.com andhariya.swapnil@gmail.com Swapnil Andhariya K ANIL KUMAR aneeelaneeel@gmail.com ANGELINE R angelinr1@srmist.edu.in anilkumar.srt@gmail.com Kancharla Anil Kumar Reddy anithaece@smec.ac.in K.ANITHA anjanareddychappidi@gmail.com Chappidi Anjanamma ANJANA.S.R anjanasr99@gmail.com MEKAM ANJANEYULU aniee.anii@gmail.com anjuaravind1211@gmail.com Anju Aravind, K Aniusha P S anjusha.revathy@gmail.com ankitakanakiya9697@gmail.com KANAKIYA ANKITA V ANNAPURNA GUMMADI annapurnag.csegnitc@gniindia.org annedachandrakala@gmail.com A Chandrakala annumca01@gmail.com Annu Sharma ansprojectsolutions@gmail.com ANS Mrs. ANTONY SOPHIA N antonysophia.n@gmail.com Dr Anu Manchanda anumanchanda@amsil.com Anusha Ampavathi anushaamppa@gmail.com anushareddy.kallem@gmail.com K Anusha anveshkumaraavula@gmail.com ANVESH KUMAR AAVULA ARPIT B. PAREKH aparekh5888@gmail.com Aravinda Kasukurthi aravindakasukurthi@gmail.com archananagelli@sreenidhi.edu.in ARCHANA NAGELLI archanap949@gmail.com P.Archana ARIF MOHAMMAD ABDUL arif.software@gmail.com ARUNASAKTHI, K aruna.sakthi10@gmail.com arunasritalluri@gmail.com Talluri Aruna Sri ashifali76@gmail.com Ashif Ali Dr. Ashish Mishra ashishmishra81@gmail.com Nomula Ashok ashoknomula0@amail.com Ashwini Ramchandra Doke ashwini.d@cmrit.ac.in ashwini.mamidi@gmail.com M. Ashwini Ashwini Yacha ashwiniyacha@gmail.com asrinagesh@gmail.com Dr.A. Srinagesh Reddineni Asritha asritha.reddineni@gmail.com assunousheen@gmail.com ASMA TAHSEEN AVANIKETH P avaniketh@gmail.com GANDLA NAGAPPA babuygr@gmail.com balaram.balaram@gmail.com BalaRam A BARATH KUMAR C barathkumar.ee18@bitsathy.ac.in barathyviji01@gmail.com Vijaya Barathy. J basavark@gmail.com Dr. Kachapuram Basava Raju B NAVEEN KUMAR basettynaveen18@gmail.com Dr. V. Saravana Kuma bavya2002@gmail.com bejagam.praveenkumar@gmail.com V PRAVEEN KUMAR BEJAGAM Perli Nava Bhanu bhanu8flery@gmail.com Radarapu Bharathi bharathi.radarapu@gmail.com bhaskarmekala0206@gmail.com BHASKAR MEKALA bhaskarphd144@gmail.com Peddisetty Bhaskar MUNUGAPATI BHAVANA bhavanamungapati@gmail.com bhavanipanda@giet.edu Bhavani Sankar Panda ADESH BHIL bhil.adesh@hmgi.ac.in Meenakshi BHRUGUBANDA bmeenakshi it@mgit.ac.in bpravallika03@gmail.com B Pravallika Sanjeev Bandru bsanieev@sreenidhi.edu.in Sriaknth Goud B bsgoud07@gmail.com POLEPELLI BUDDHA REDDY buddhareddy.polepelli@gmail.com

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M. Jagadeesh

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# A Report on

One week National level Online Faculty Development program on Introduction to Artificial
Intelligence and Machine Learning

One week Faculty Development Program on "Introduction to Artificial Intelligence and Machine Learning" was conducted by the Department of Computer Science and Engineering from 25-05-2020 to 30-05-20.

The topic was selected so as to promote awareness in the contemporary technologies in the IT Industry. The FDP aimed to provide opportunities to faculty members and research scholars so as to enrich their teaching skills and research ideas in machine learning and their applications in image processing, natural language processing and other domains. The program also intended to develop the knowledge of participants in simulation with advanced software in the relevant fields of computer science. There were 545 participants from various institutions who included faculty members and research scholars.

Topics covered on five days

Day 1 - Introduction to Artificial Intelligence ,Machine Learning, Categories of ML ,When and Where AI & ML are Useful ,Basic Statistics

Day 2- Supervised Machine Learning, Decision Tress, Naive Bayes Classifier

Day 3- Regression, KNN, K-Means algorithm

Day 4- PCA Method in Machine Learning Algorithms: Introduction to Dimension Reduction, Dimension Reduction, Techniques, Principal Component Analysis, PCA Algorithm, Practice problems based on principal component analysis, Implementation of Principal Component Analysis with NumPy.

Day 5- Computer Vision Introduction:Image Classification and object detection, Depth Architecture of Convolutional Neural Network, Small Introduction to CV2 package using Network, Python. Future Research scope in Computer Network, Vision Techniques

Day 6- Machine learning on cloud: benefits, Machine learning as a service: providers, Machine learning on AWS: demonstration, Case study 1: Amazon Recognition for image and video analysis, Case study2: Amazon Transcribe: Speech Analysis, Case study3: Amazon Sage maker: fully managed machine learning modeling with Jupyter

Vote of Thanks was rendered Ester varma, Associate Professor, Dept of CSE, GCET.

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