

5.5 Innovations by the Faculty in Teaching and Learning (20)

INNOVATIONS IN TEACHING:

Innovative teaching methodologies help faculty to deliver their lectures in a faster and efficient manner thereby allowing the students to keep abreast of technological advancements. In addition, innovative teaching aids also impart rationale thinking and self sufficient thought process in the mindsets of students by making them more proactive. Few of the innovative teaching techniques adopted in the department are briefly tabulated below:

S. No	Innovation Method	Mode of Teaching / Learning Process	Objective
1	Multimedia Learning	Live Demonstration of Concepts using Software Tools	Enhance the overall comprehension of students and allows teachers to present their lessons in a more dynamic way.
2	E - Learning	NPTEL / UDEMY / COURSERA	Upgrade the quality of engineering education, on tip compatibility & resources for beyond curriculum.
3	Each One & Teach One	Presentation	Enrich subject knowledge and improve the better presentation skills.
4	WIT & WIL	Presentation	Create awareness & Importance on the respective Subject or Laboratory to the student by the respective faculty.
5	Employability Skills	Training on Technical Skills & Soft Skills	Awareness and readiness for employability.
6	Assignment Practices	Analyze & Prepration	Improving the Cognitive skills

1. Multimedia Learning (ICT Class Room):

Introduction:

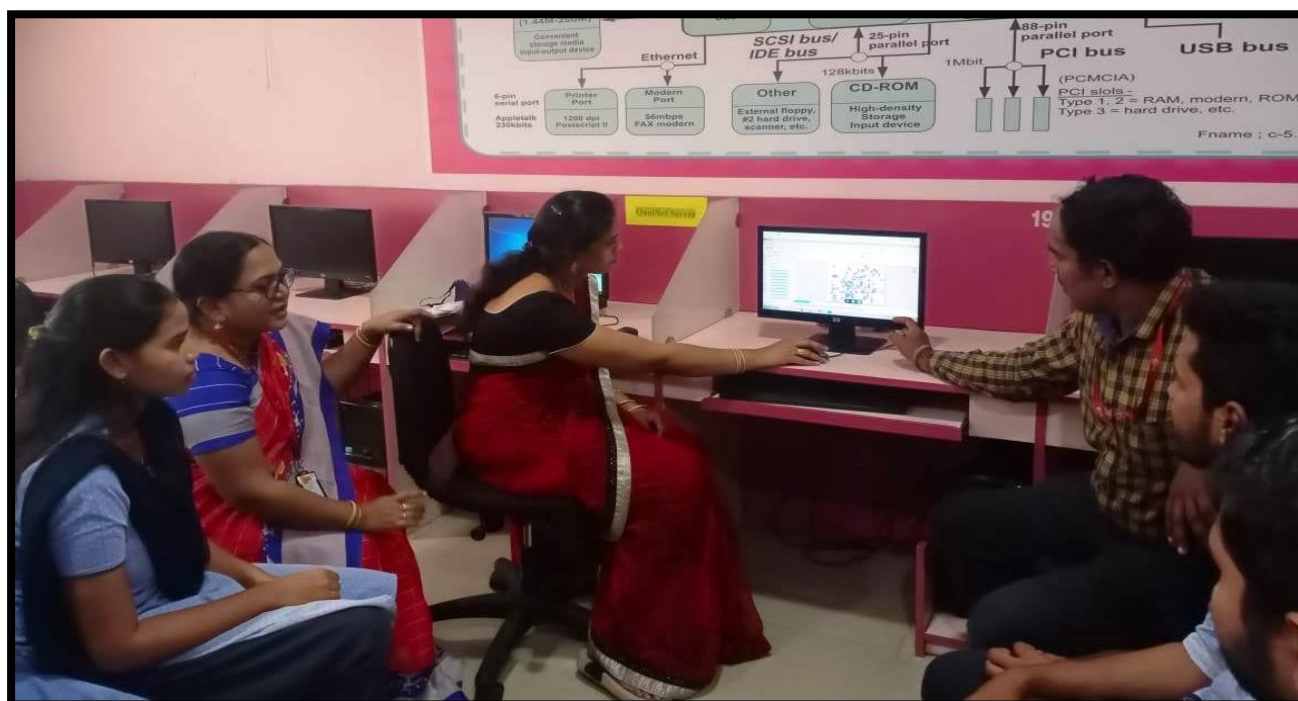
In this, the teacher will deliver some concepts with the aid of Software tools. These learning tools play a vital role in delivering subject knowledge. The students can identify the key points of presentation in an easy way. Live demonstration can be an effective tool to present material in a classroom and encourage student learning. Multimedia combines basic types of media into a learning environment such as text, audio, video and graphics thus providing a powerful tool for teaching. This allows the students to pay more attention towards the concepts. It also helps the students to think and analyze the concepts in a better way.

Execution Plan:

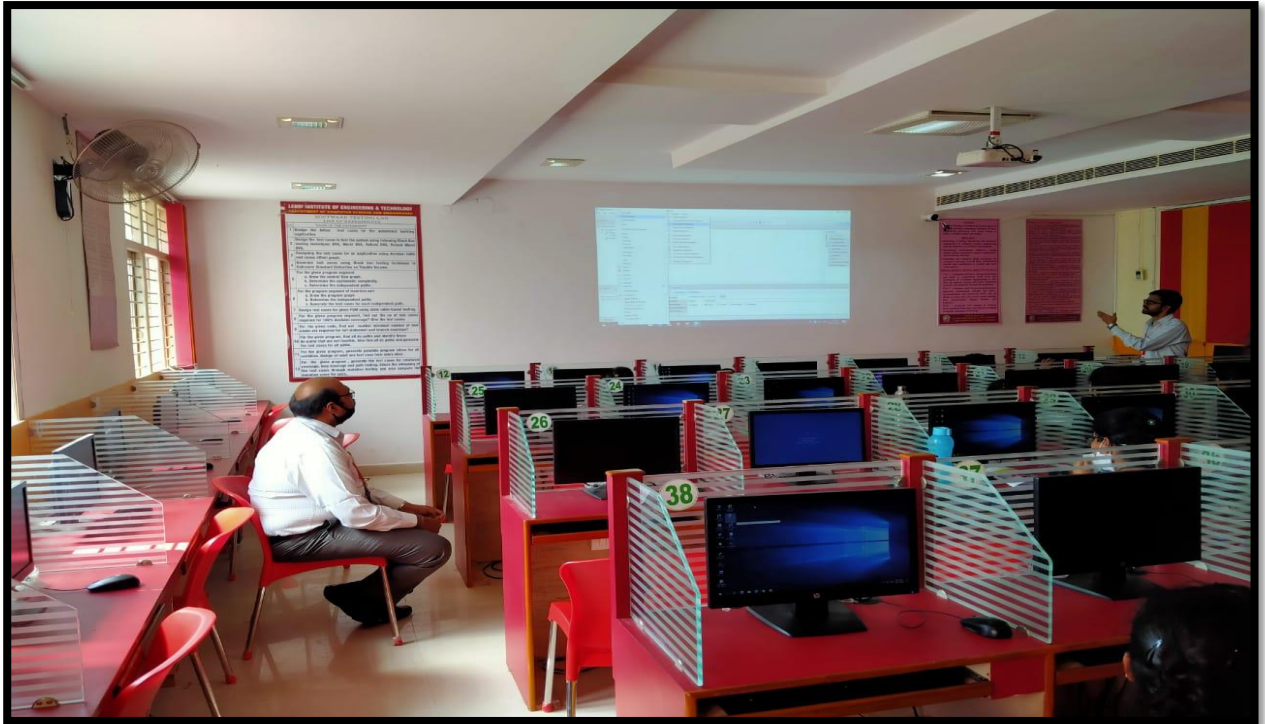
The teacher explains some topics in their regular teaching process using Software Tools / Animation / Videos to simplify their presentation.

Expected Outcomes:

1. Simple way of presenting subject knowledge than from the regular teaching practices.
2. Student can understand the concepts in a better way.



Professor **Dr.K.Narasimha Raju**, Associate Professor **Mrs. K.Sadhana** & Assistant Professor **Mrs. M.Swetha** demonstrating the concepts to the students by using Qualnet Tool.



Our Staff **Mr. Ravindra**, Assistant Professor, & **Mr. P Srinivas Rao** Assistant Professor demonstrating the concepts to the students by using Rationalrose Interface to explain the Unified Modeling Language using case studies.



Associate Professor **Mr. A Yugandhara Rao** demonstrating the JAVA Programming concepts to the students by using ECLIPSE Tool Interface.

2. WIT & WIL:

Engineering education scenario can make its impact, only when it is more relevant to the dynamics of today's world, society, industry, economy, and environment. No more is technical education a mere qualifiable fascination – the world needs to be able to quantify the application of engineering knowledge. LIET, Department of CSE has long- absorbed the philosophy of outcome-based education and thus has indigenously created a variety of internal processes and methodologies to ensure that the Institute's graduates stand exemplary of the renewed spirit of modern engineering education.

WIT & WIL, acronym for “Why am I Teaching What I am Teaching “from Teacher's perspective and “Why am I Learning What I am Learning” from student's perspective, is one such initiative that has been embedded into the Teaching-Learning process at the institute from 2020, as a part of the Education process Re-engineering. WIT & WIL has a structured framework and definitive metrics to ensure that the course outcomes are met, since learning occurs not by recording information but by interpreting it. It helps students to structure and processes knowledge and in turn make them as constructors of knowledge. WIT & WIL formats also provide ample scope for modern education technologies and active teaching methods, such as the use of audio-visual content, slideshows, case studies, and storytelling through real-world examples.

A video is designed and created using ICT tools in order to present the teacher's perspective (“WIT”) about scenario of the respective subject. The video is designed such that it maps every topic of the prescribed syllabus to the real world, in order to give the students a tangible experience of understanding the underlying engineering concepts to perceive for themselves (“WIL”). The mechanism of documenting WIT & WIL is also in line with the revised Bloom's Taxonomy, wherein the students are driven from Lower Order Thinking skills (LOT) to Higher Order Thinking skills (HOT) and develop an innate understanding and appreciation of the subject towards the real-world scenario.

Execution Plan:

Every faculty has to explain the overview at the commencement of the schedule.

Expected Outcomes:

Students can understand the objective and outcome of the subjects.

3. Each One, Teach One

Each One, Teach One is collaboration between the staff and students the opportunity to learn and share knowledge about their community and culture.

The phrase Each One, Teach One is an African proverb that originated in the United States during slavery when Africans were denied education. When someone learned how to read or write, it became their responsibility to teach someone else. The idea is to spread knowledge for the betterment of their community.

This program will teach you how to give back to your community to learn and share knowledge.

In this connection the CSE Department had taken an initiative the same to improve the student skill set and this methodology helps the students to improve their presentation, communication skills, knowledge levels in the concepts by self preparation and presentation. It helps the students to enrich themselves towards self learning and employability.

Execution Plan:

WHAT WILL YOU DO IN EACH ONE, TEACH ONE?

Student has to teach a topic from the subject in the presence of the teacher.

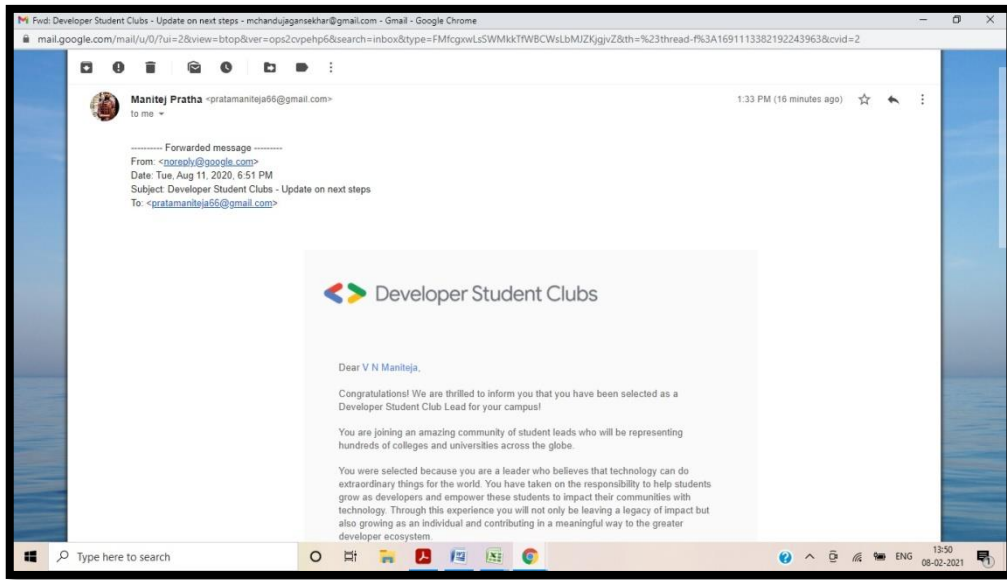
Expected Outcomes:

- Improvement of self learning
- Improvement of presentation skills
- Improvement of subject knowledge

Our Student Mr. V N Mani Teja, III CSE has been selected as Developer

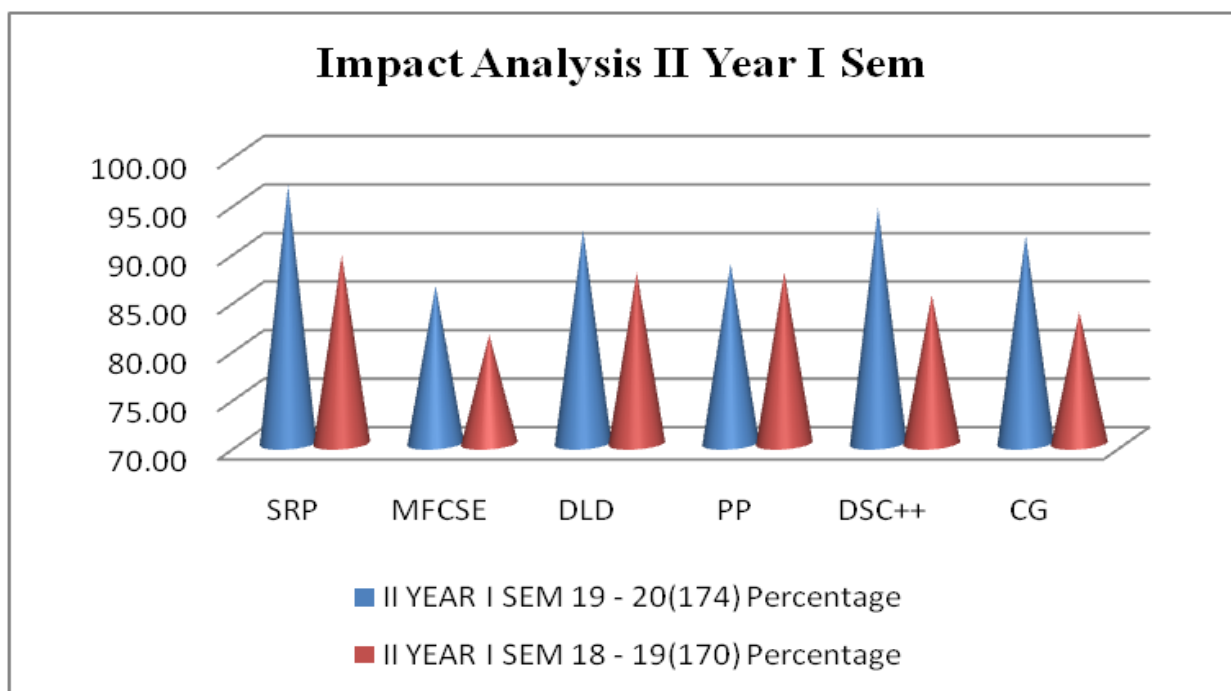
Objective:

A leader who believes that technology can do extraordinary things for the world. The responsibility to help students grow as developers and empower these students to impact their communities with technology. Through this experience Student will not only be leaving a legacy of impact but also growing as an individual and contributing in a meaningful way to the greater developer ecosystem.

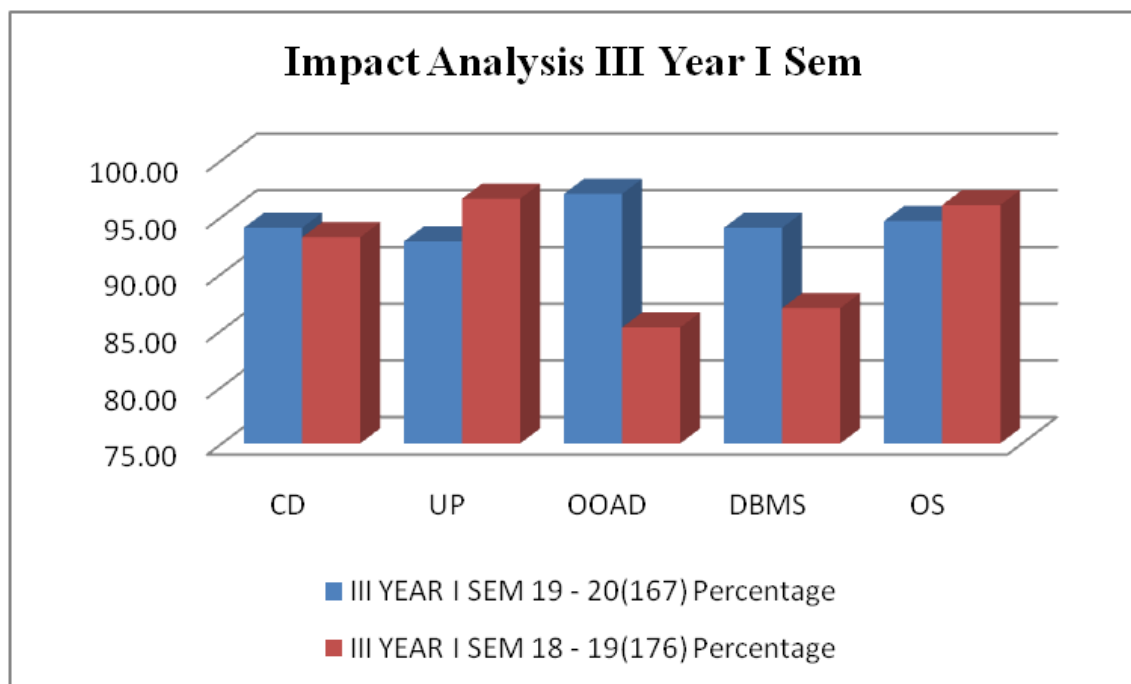


Impact Analysis:

II YEAR I SEM										
	19 - 20(174)					18 - 19(170)				
	A	B	C	Total	Percentage	A	B	C	Total	Percentage
SRP	57	59	52	168	96.55	56	53	43	152	89.41
MFCSE	47	54	49	150	86.21	52	47	39	138	81.18
DLD	52	58	50	160	91.95	55	52	42	149	87.65
PP	51	56	47	154	88.51	55	53	41	149	87.65
DSC++	55	58	51	164	94.25	53	51	41	145	85.29
CG	54	56	49	159	91.38	51	51	40	142	83.53



III YEAR I SEM										
	19 - 20(167)					18 - 19(176)				
	A	B	C	Total	Percentage	A	B	C	Total	Percentage
CD	57	55	45	157	94.01	56	54	54	164	93.18
UP	56	54	45	155	92.81	60	55	55	170	96.59
OOAD	59	57	46	162	97.01	58	46	46	150	85.23
DBMS	58	53	46	157	94.01	55	49	49	153	86.93
OS	59	56	43	158	94.61	59	55	55	169	96.02



Note: The overall results from the above table have been improved due to the above cited ICT Class room methods in innovation

4. E-Learning:

Introduction:

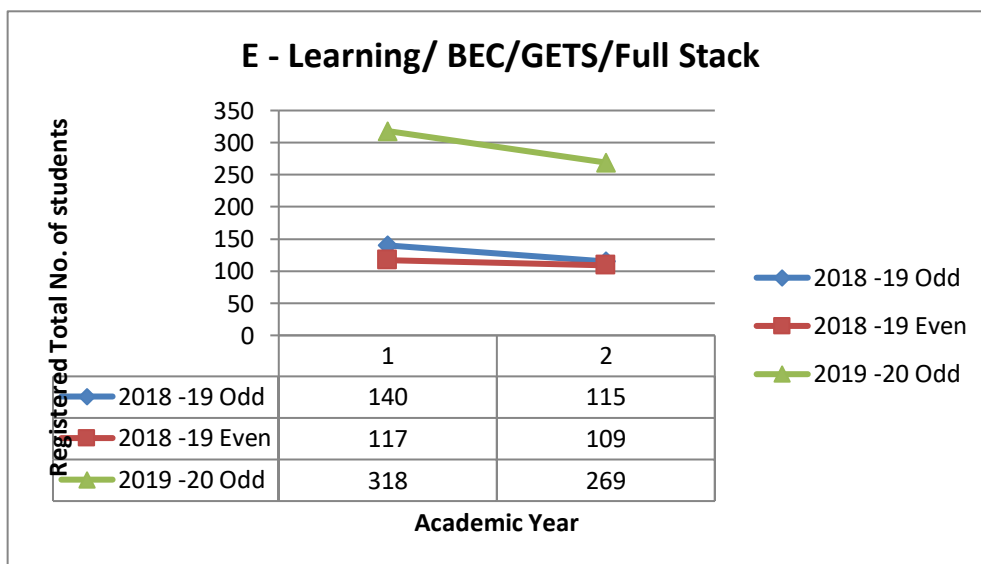
Advanced Learners are encouraged to take up various certification courses, projects based on choice and present papers in conferences/ journals. Students and faculty members are encouraged to register for the NPTEL program/ online certification courses of their own areas of teaching and research interests, for enhancing their teaching skills, smooth conduct of the teaching process in the regular class room teaching and for understanding the potential concepts much effectively. Faculty members are also made as mentors for providing support to the students to complete the course. The students who have not registered for any courses are supported by providing the NPTEL video lectures in the central digital library and a databank of the CDs of all the NPTEL courses that are available in the department library.

Execution Plan:

The students who have enrolled for different certification courses can use the infrastructure available in the department/institution even after the college timings for completing their courses and some respective faculty members are allotted for supporting them.

Expected outcomes / Impact Analysis:

It helps to enrich the knowledge potentials of students and enhance their employability skills.



Academic Year	2018 -19		2019 -20
	Odd	Even	Odd
Registered Students	140	117	318
Received Certificates	115	109	269



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
NAKIRAPU ANUSHA
for passing the course
Programming in Java

with Score* **100 %**



A. Goswami

Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur

Jan-Apr 2020
(12 week course)



Indian Institute of Technology Kharagpur



*Continuous online assessment score

To validate and check scores: <https://npTEL.ac.in/noc>



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
BONU SATISH KUMAR
for successfully completing the course
Fundamentals of Artificial Intelligence

with a consolidated score of **90 %**

Prof. Andrew Thangaraj
Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2019)

Prof. Dileep N. Malkhede
Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL19ME71S32350136

To validate and check scores: <http://npTEL.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

MADDI JEEVAN SAI
for successfully completing the course



The Joy of Computing Using Python

with a consolidated score of **92** %

Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	42/50
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Total number of candidates certified in this course: **8505**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2019
(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL19CS41S52340344

To validate and check scores: <https://nptel.ac.in/noc>



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

RAMESH KUMAR
for successfully completing the course

Programming, Data Structures and Algorithms Using Python

with a consolidated score of **65** %

Online Assignments	18.76/25	Programming Exam	25/25	Proctored Exam	21.25/50
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Total number of candidates certified in this course: **2779**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Sep 2019
(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL19CS40S12180053

To validate and check scores: <https://nptel.ac.in/noc>



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

KOLA NARASIMHA RAJU

for successfully completing the course

Fuzzy Logic and Neural Networks

with a consolidated score of **93 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Feb-Apr 2019)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL19GE07S52280331

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



D.O.B.13-06-1999

This certificate is awarded to

VOLETI ARUN KISHORE

for successfully completing the course

Programming in Java

with a consolidated score of **94 %**

Online Assignments	20.22/25	Proctored Exam	73.5/75
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Total number of candidates certified in this course: **8377**

Jan-Apr 2019
(12 week course)

A. Goswami
Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL19CS07S52290013

To validate and check scores: <http://nptel.ac.in/noc>



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

PUDI GANESH

for successfully completing the course

Data Base Management Systems

with a consolidated score of **65 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Aug-Sep 2018)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL18CS36S21960036

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

NIRUPAM GOPISETTY

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **77 %**

Online Assignments	22.50/25	Proctored Exam	54/75
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Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Total number of candidates certified in this course: **3617**

Jul-Oct 2018
(12 week course)

A. Goswami

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL18CS46S12200135

To validate and check scores: <http://nptel.ac.in/noc>

5. Employability Training

In view of the employability of the students, Department of Computer Science & Engineering of LENDI Institute of Engineering & Technology has been providing the technical and soft skills training. The training is conducted by internal faculty which comprise technical and soft skills. Before commencing the training, Internal Training Team will assess the students' technical skills and based on the feedback, the team will classify the students into various categories like domain-specific, technology-specific and also with an extent of students interest.

Once the classification has done, the training schedule will be incorporated in the regular timetable. Few open source and licensed software will be used as an additional aid of technical training. During the training regular assessments will be held to gauge the potential of the students. Based on the feedback, special emphasis is made to train the students to meet the requirements of the information technology industry.

Apart from this regular training, the company specific training will also be provided for the benefit of students. The Soft skills training will be held for all the students by eminent faculties from S&H Department. The training covers Communication Skills, Email Etiquettes, Resume Writing and personality development.

The testimonials of the soft skills training are ELCSLAB Assessment Manual, certificates of APTIS Assessment, Cambridge Certification included below. The training is highly valuable for the students who would be taking part in group discussions and interviews and campus drives.

The internal technical training team members:

1. Mr. Karthik Chandra Patnaik, Associate Professor.
2. Mr. P. J. Varma, Associate Professor.
3. Mr. V. Anji Reddy, Associate Professor.
4. Mr. B Nageswara Rao, Associate Professor.
5. Mr. D. Sunil, Assistant Professor.
6. Mr. M Sri Ramulu, Assistant Professor.

The internal soft skills training team members are

1. Dr. Hari Babu, Professor.
2. Mr. B. Vinay Kumar, Assistant Professor.

Introduction to Technical Training:

Programming is crucial when it comes to learning how to innovate, create very eco-friendly solutions for global problems and such. In essence, it helps in speeding up the input and output processes in a machine. Additionally, it helps you develop the ability to automate, collect, manage, analyze the data and information correctly. We make our students more comfortable to the world of coding. Students are encouraged to think, analyse the given problem and they have to develop their own logic to solve the given problem. While analysing the solution to the given problem student must be able to correct the errors occurred during the development process.

Execution Plan:

The students will undergo training on the above cited modules. These may be done as a part of regular class work or based on additional Schedule.

Expected outcome:

- ➔ Improving employability skills such that they can grab more opportunities.
- ➔ Students can do projects.

The following are the testimonials of soft skills training and outcomes :

- (1) Celebrity(N.Praveen Kumar-IAS-GVMC Commissioner & Collector of Visakhapatnam) Interview by Shaik Razak 16KD1A05F3 as Part of II ECP Course 2017 18@ ELCS Lab Lendi
<https://youtu.be/H2RMKI2xsO4>



8 Comments SORT BY



Add a public comment...



roja cherukuru 3 years ago

Appreciate the attempt you have done with a good celebrity ie the collector of vskp. Bold attempt. The way you approach him is appreciated. Very confident, well groomed. I can see from your questions that you have planned and prepared well. Good keep up the good work Razak

👍 3 🗨️ REPLY



Akash Akhi 3 years ago

Great work kabali

👍 🗨️ REPLY



Dinesh Shankar 1 year ago

Keep it up 🙌

👍 🗨️ REPLY



Dr Haribabu Thammineni 3 years ago

Razaak... appreciation for your bold attempt... Simply The questions you have prepared...confidence you have displayed and enthusiasm you have shown are appreciative. Our special Thanks to Collector Garu who has given his valuable time to you. At the end of the day, you have to see how much you have learnt from this initiative... Good luck for your future endeavors.

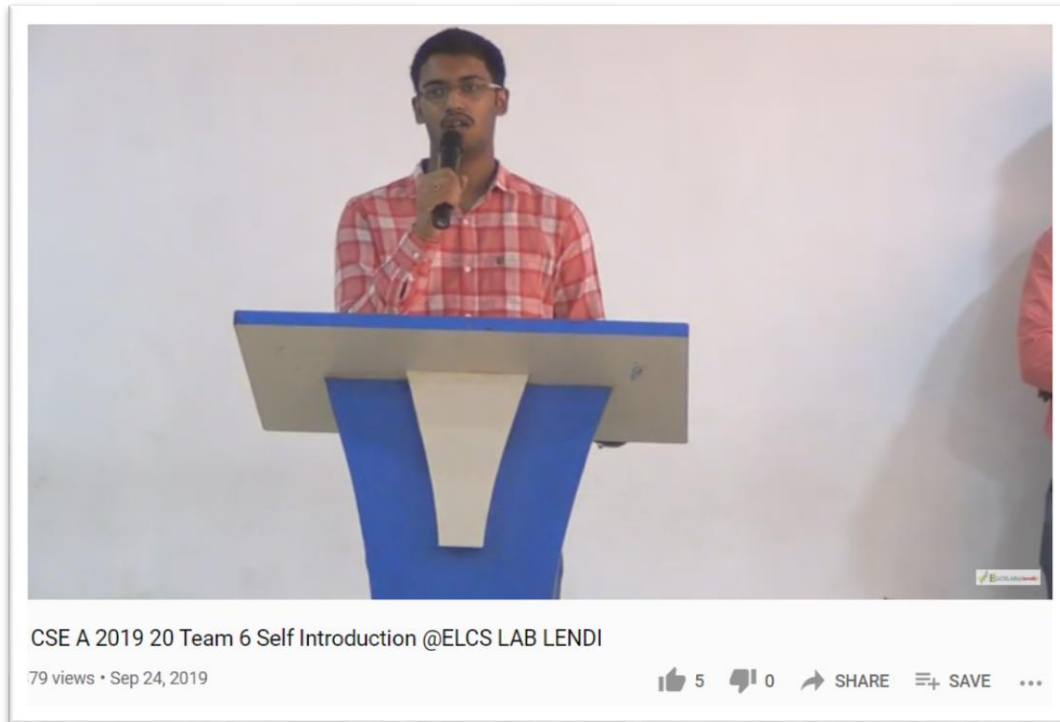
👍 🗨️ REPLY



Simha Chalam 3 years ago

very gud razak really its very gud...nice intiation....handsoff for ur hard work...i wish u very gud luck for ur future

- (2) Youtube videos on “LENDI College ELCS lab”
- (a) I CSE A 2019 20 JAM Practice Session @ELCS LAB LENDI
<https://youtu.be/5cM9mPmTMHA>
- (b) I CSE A 2019 20 Team 6 Self Introduction @ELCS LAB LENDI
https://youtu.be/TDCWhb_kLEk



- (c) I CSE C 2015 16 Group Discussion On Effects of Movies on Yourth @ ELCS LAB LENDI1
<https://youtu.be/PbSulIRFs5s>



Soft skills training workflow:

- (1) ELCS LAB RECORD





LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Accredited by NAAC with "A" Grade and NBA (CSE, EEE & ME)

Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com

Website: www.lendi.org

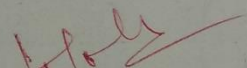
DEPARTMENT OF ENGLISH

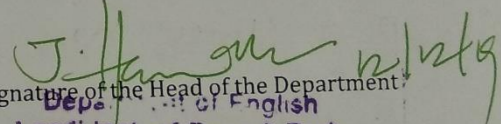
Certificate

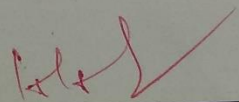
of completion of lab work

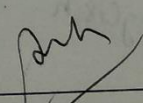
SEMESTER I

This is to certify that Mr/Ms Ch. Dilip bearing Regd.
Number 19KD1A0536 of I B Tech has completed the Laboratory practical work for
Semester I of the Communicative English - I course in the Department of
SBH (English) during the academic year 2019 - 2020



Signature of Lab-in-charge


Signature of the Head of the Department
Dep. of English
Lendi Inst. of Engg. & Tech
Veng-Vzm.Rd., 535005.


Signature of internal examiner 
(During Lab External Examination)

Signature of external examiner 
(During Lab External Examination)

(2) ELCS ASSESSMENT




LENDI INSTITUTE OF ENGINEERING & TECHNOLOGY
An Autonomous Institution Approved by AICTE, Affiliated to JNTU, Kakinada)
Accredited by NAAC With "A" Grade and NBA
Jonnada (village), Denkada (Mandal), Vizianagaram Dist - 535005.
Phone No.: 08922 - 241111, 241112
E-Mail: lendi_2008@yahoo.com Website: www.lendi.org



ELCSLAB@lendi
to Collaborate.... to Compete..... to Communicate.....

Assessment Manual
(As part of assessment of Employability skills Course)
(2020-21)





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An Autonomous Institution

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Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com

Website: www.lendi.org

DEPARTMENT OF ENGLISH

Certificate

of completion of lab work
II B Tech SEM-I

This is to certify that Mr/Ms _____ bearing Regd.
Number _____ of II B Tech has successfully completed all the activities as
part of Laboratory work for Semester I of the _____
course in the Department of _____ during the academic year _____.

Signature of the Course Coordinator

Signature of the Head of the Department

Remarks:

Results

Satisfactory	Dissatisfactory

Grading


Assessment Model	Maximum Points	Obtained Points	Signature of the Instructor
Quiz-1	10		
Quiz-2	10		
Professional Certificate with B1 or above or Activity of Interview	10		
E-Mails	10		
Listen to Speak Activity	10		
Total	50		

The Certifications outcomes post soft skills training :

(1) Cambridge English Language Assessment :



(2) GETS Certification Report :-



TEST REPORT HIGHER

Candidate Number	19007984				
Test Date	26 Feb 2019				
Participating Institution	LENDI INSTITUTE OF ENGINEERING & TECHNOLOGY, VIZIANAGARAM				
First Name	KEERTHANA				
Family Name	IMMIDISETTY				
ID Type & Number	COLLEGE ID - 17KD1A0548	Date of Birth	06 Dec 1999	Gender	FEMALE

Result

Listening

NA

Reading

NA

Writing

NA

Speaking

78

Overall Score

78 / 100

GETS Level

6

CEFR Equivalence

B2


	0	10	20	30	40	50	60	70	80	90	100
GETS Scores											
GETS Levels	Unclassified	1	2	3	4	5	6	7			
Listening											
Reading											
Writing											
Speaking											
CEFR Equivalence	Unclassified	<A2	A2	B1				B2			

CEFR (Common European Framework of Reference)

TR No.: GHE19007984IN00500443

Test Centre: IN005, India

This is a computer generated report and requires no signature.
 Receiving institutions can verify the scores from the GETS secure verification services by registering at www.getsworld.com



QAI
Qualifications
and Assessments
International UK

GETS (Global English Testing Services) is a trade name of Qualifications and Assessments International Limited, UK with registration number 7866740

(3) APTIS Report



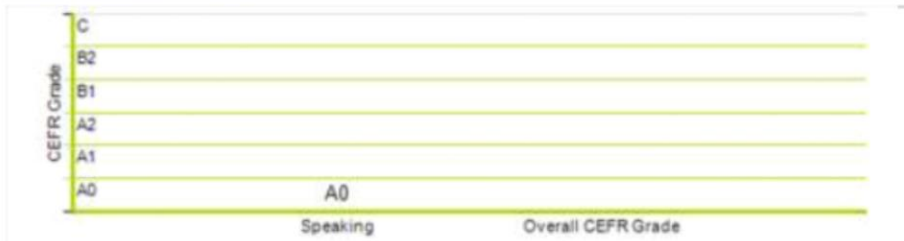
Candidate Report

Candidate Name: **AAJERLA BHAVYA SREE** Test Date: **28/11/2018**
Organization: **AP Project Lendi Institute of Engineering and Technology** Test Package: **Aptis General - Speaking**

Scale Score

Skill Name	Skill Score
Speaking	0/50
Final Scale Score	0
Grammar and Vocabulary	37/50

CEFR Skill Profile



Please turn over for CEFR Skill Descriptors

CEFR Skill Descriptors

Listening

A0	Not enough to allow for any meaningful inferences about the candidate's ability.
A1	Can follow speech which is very slow and carefully articulated, with long pauses for him/her to assimilate meaning.
A2	Can understand enough to be able to meet needs of a concrete type provided speech is clearly and slowly articulated.
B1	Can understand straightforward factual information about common everyday or job related topics, identifying both general messages and specific details, provided speech is clearly articulated in a generally familiar accent.
B2	Can understand the main ideas of propositionally and linguistically complex speech on both concrete and abstract topics delivered in a standard dialect, including technical discussions in his/her field of specialisation.
C	Has no difficulty in understanding any kind of spoken language, whether live or broadcast, delivered at fast native speed.

Reading

A0	Not enough to allow for any meaningful inferences about the candidate's ability.
A1	Can understand very short, simple texts a single phrase at a time, picking up familiar names, words and basic phrases and rereading as required.
A2	Can understand short, simple texts on familiar matters of a concrete type which consist of high frequency everyday or job-related language.
B1	Can read straightforward factual texts on subjects related to his/her field and interest with a satisfactory level of comprehension.
B2	Can read with a large degree of independence, adapting style and speed of reading to different texts and purposes, and using appropriate reference sources selectively.
C	Can understand and interpret critically virtually all forms of the written language.

Speaking

A0	Not enough to allow for any meaningful inferences about the candidate's ability.
A1	Can produce simple descriptions on mainly personal topics.
A2	Can give a simple description or presentation of people, living or working conditions, daily routines likes/dislikes, etc. as a short series of simple phrases and sentences linked into a list
B1	Can reasonably fluently sustain a straightforward description of one of a variety of subjects within his/her field of interest, presenting it as a linear sequence of points.
B2	Can give clear, systematically developed descriptions and presentations on a wide range of subjects related to his/her field of interest, with appropriate highlighting of significant points, and relevant supporting detail.
C	Can produce clear, smoothly flowing well-structured speech with an effective logical structure which helps the recipient to notice and remember significant points.

Internal Technical training :-

- (1) Mr.Anji Reddy demonstrating to the students



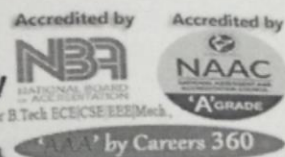
- (2) Mr.U.Karthikdemonstrating during the technical training



Placement Statistics:



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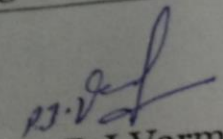
Department of Computer Science & Engineering
Placement Statistics

Vizianagaram

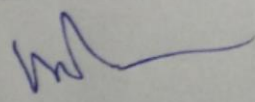
Date: 06-02-2021

This is to certify that the following are the placement statistics of department of computer science & Engineering for the last three academic years 2019-20, 2018-19 and 2017-18.

Academic Year	Students Strength	No. of Students placed
2019-20	183	87
2018-19	182	124
2017-18	162	96


(Mr. P.J. Varma)

CSE Department Coordinator


(Dr. A. Rama Rao)
HOD, CSE

The following are the offer letters of the students who grabbed the opportunities during the campus recruitment was held in our campus.

(1) AMAZON Campus Recruitment: Ms.LakshmiSravya grabbed the opportunity with the package of 19LPA



OFFER CUM APPOINTMENT LETTER

Lakshmi Sravya Burra
Flat no.301, Venkateswara Residency, Veluturi Street,
Vizianagaram – 535002
AP
IND

Dear Lakshmi Sravya,

On behalf of **Amazon Internet Services Private Limited**, a company incorporated under the laws of India, having its registered office at Ground Floor, Eros Plaza, Eros Corporate Centre, Nehru Place, New Delhi - 110019, Delhi (hereinafter the "**Company**" or "**Amazon India**"), we are very pleased to issue this Offer cum Appointment Letter for the position of **Cloud Support Associate** at **Hyderabad, India**.

Your employment with the Company will be subject to your acceptance of this Offer cum Appointment Letter and the terms and conditions set forth hereinbelow. If you wish to accept employment with the Company, please convey your acceptance in the manner provided for by the Company. The offer of employment contained in this Offer cum Appointment Letter will expire if you have not accepted the same on or before **10 business days**.

Upon your acceptance of the offer herein, this Offer cum Appointment Letter shall form the employment contract that is a valid and binding agreement of employment between Amazon India and you, and you shall be bound by the terms and conditions stipulated herein below.

1. Date of Commencement

Your employment with Amazon India will commence on **27-Jul-2020**.

2. Duties

- 2.1 You will be employed in the position of **Cloud Support Associate**. Your manager will advise you about your job responsibilities after your joining with us. You will be expected to do your job to the best of your ability at all times as per the job responsibilities advised by your manager at the time of joining or as amended from time to time, as well as such other tasks as may be required by Amazon India.
- 2.2 You will be required to comply with Amazon India's rules, regulations and policies from time to time in force, including, without limitation, those policies set out in Amazon India's Policies and Procedures, as communicated to you. Amazon India reserves the right to change Amazon India's Policies and Procedures from time to time at its sole discretion and you shall be bound by the same.

1

(2) TCS Flagship Contest Recruitment:

Mr.VyshnaviPaluru grabbed the opportunity with the package of 7LPA



Offer: Computer Consultancy
Ref: TCSL/DT20184433644/Hyderabad
Date: 19/09/2019

Ms. Vyshnavi Paluru
168-AVasant Vihar,
Dharmapuri,
Vizianagaram-535002,
Andhra Pradesh.
Tel# 91-9490140278

Dear Vyshnavi Paluru,

Sub: Letter of Offer

Thank you for exploring career opportunities with TATA Consultancy Services Limited (TCSL). You have successfully completed our initial selection process and we are pleased to make you an offer.

Based on your performance in TCS Flagship Contest and the subsequent interviews, we are pleased to make you a differential offer. You have been selected for the position of **Systems Engineer** in Grade **C1**. You will be assigned a challenging role in any Business Unit as per the business requirements of TCSL.

Your gross salary including all benefits will be **₹7,00,024/-** per annum, as per the terms and conditions set out herein. Over and above this, you will also be eligible for Learning Incentives (Readiness Incentive and/or Competency Incentive) basis your performance in TCS Xplore Program which gives you an additional earning potential of upto **Rs.60,000** during the first year. Annexure-1 provides the break-up of the compensation package.

Kindly confirm your acceptance of this offer online through the option 'Accept Offer letter'. If not accepted within 7 Days, it will be construed that you are not interested in this employment and this offer will be automatically withdrawn.

After you accept this offer, you will be given a joining letter indicating the details of your joining date and initial place of posting. The Joining letter will be issued to you only upon successful completion of your academic course, you meeting the TCS eligibility criteria & you completing the mandatory pre-joining learning curriculum named TCS Xplore (detailed under Terms &

TCS Confidential
TCSL/DT20184433644

TATA CONSULTANCY SERVICES

Tata Consultancy Services Limited

Deccanpark, No 1 Software Units Layout, Madhapur, Hyderabad 500 081 India

Tel: 91 40 6667 2000 Fax: 91 40 6667 2222 Website: www.tcs.com

Registered Office Nirmal Building, 9th Floor, Nariman Point, Mumbai 400 021

TCS Careers Serviceline: 1800 209 3111 Email: careers@tcs.com

KALAMS INNOVATION FESTIVAL 27th & 28th Feb 2020:

Commemorating Dr. APJ Abdul Kalam's Jayanti and realizing his Vision 2020, Join For Development Foundation is organized Kalam Innovation Festival to celebrate Ideation and Innovation of our young minds. They call upon the problem solvers to submit their ideas and innovations that have the capability to transform the agriculture and rural landscape of India. Through this festival, they will run multiple campaigns for the next couple of months to make more youth to participate. They will select the best ideas ,provide them incubation, mentorship, get them the access to funding. Several teams were participated from our LENDI College. Some of them are:

1. Safety Driving

2. Artificial Plant Emotion Expressor



3. E – Attendance.





Our Students Participated at Dr. Abdhul Kalam's Innovation Festival Jointly organized by Join for Development Foundation and Sri Vishnu College of Engineering, Bhimavaram.



Our Students Ms. P Ankitha(17KD1A05C1) & Ms. P V S S Haritha(17KD1A05H3) Received the Second prize(Ten Thousand Cash prize) in the Agriculture Sector along with the mentor Mr. Ravindra from Mr. V V Lakshminarayana(Ex IPS & Founder of Join for Development)

Smart India Hackthons 2019

Overview

Smart India Hackathon is a non-stop digital product development competition, where problems are posed to technology students for innovative solutions.

- i) It harnesses creativity & expertise of students
- ii) It sparks institute-level hackathons
- iii) It builds funnel for 'Startup India' campaign
- iv) It provides crowd-source solutions for improving governance and quality of life
- v) It provides opportunity to citizens to provide innovative solutions to India's daunting problems

Smart India Hackthons 2019:

All India Council for Technical Education (AICTE), MHRD, Inter Institutional Inclusive Innovation Centre (i4c), and Persistent Systems Ltd. present the 2nd edition of this initiative - Smart India Hackthons 2018. Till date, 27 Union Ministries & Departments and 17 State Governments have joined this grand initiative, making it much bigger than the previous edition. Smart India Hackthons 2018 is being organized and will have 2 sub-editions – Software as well as Hardware: • Software Edition will be 36 hour software product development competition, similar in concept to Smart India Hackthons 2018, The new Hardware Edition will be a hackthons where teams will be work for 5 straight days and build their hardware solutions. This competition would be limited to only 5 nodal centres with 20-25 teams each.

Team Name : Safe Driving

Team Details : Lokesh Botcha Team Leader

Mandala Vijay Kumar

Marrapu Bhagya sri

Meesala Ranjitha

Nadiminti Sai kumari

Nadiminti Divya

Problem Statement: Ensure Safe Driving during Adverse weather conditions

Description :

To ensure safe during adverse weather conditions like rain, snow, fog. We developed a vision based system to detect the object even in the low visibility. For increasing the visibility the vehicles we have automated the wipers of cars during rain, snow condition. And during low light situation detecting the threshold value of the light we have automated the head lights of the vehicles with required brightness. After detecting the objects during these adverse conditions we will give an alert to the driver through beep alarm and in infotainment screen. Even though driver ignores it we reduce the speed of the vehicle as per the situation.

Post Hackthons Details:

At present the project is under Funding process for the further development under the automotive research association of the India (ARAI) Pune.






Our Students B. Lokesh and Team Presented their prototype at Smart India Hackthons 2019, Had Received a Cash Prize of 1Lakh from AICTE & MHRD India.

Student Contribution in the R&D Actives along the Faculty for the Patent Rights:

Sr.No.	Name	Nationality	Address	Country	State
1	SATISH DEKKA	India	Satish D Associate Professor, CSE Department, LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	India	Andhra Pradesh

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State
1	SATISH DEKKA	India	Satish D Associate Professor, CSE Department, LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	India	Andhra Pradesh
2	Dr K.NARASIMHA RAJU	India	Professor, CSE Department, LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY rj.vizagg@gmail.com Professor in CSE	India	Andhra Pradesh
3	Koduru Suresh	India	S/O K.S.R.Krishna, D.No.9-5-65, L.B.Colony(Post), Visakhapatnam - 530027	India	Andhra Pradesh
4	LOKESH BOTCHA	India	D.No: 4-2-143, NAIDU COLONY BOBBILI, VIZIANAGARAM DISTRICT ANDHRA	India	Andhra Pradesh



3. TITLE OF THE INVENTION: MODEL AND THE METHOD TO DETECT EBOLA VIRUS USING COMPUTER VISION FOR WELFARE OF THE SOCIETY

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.:
AUTHORISED PATENT AGENT IN INDIA: Fax No.:
 Satish Dekka, Associate Professor, CSE Department, LENDI Institute of Engineering and Technology Mobile No:
 Vizianagaram E-mail: satishmtech4u@gmail.com

Assignment Practices : -


In general assignments will be given to the students to improve knowledge through self-learning by referring available resources. But incorporating innovative methodology in the preparation of assignments the outcome will be improved.

Execution Plan : One assignment per unit during the semester

Expected Outcome : Improving learning ability.

Improving subject knowledge.

Sample copy of assignment:



LENDI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTUK, Kakinada)
Jonnada, Denkada (M), Vizianagaram Dist - 535-005
Phone No. 08922-241111, 241666
E-Mail: lendi_2008@yahoo.com www.lendi.org

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Subject: Statistics with R Programming II - B.Tech I - Sem
Date: 10-07-2018 Section - B,C

ASSIGNMENT - I

1. Create an employee data frame which contains attributes empid, empname, salary and joining date [Take 5 rows data in the creation]. Now perform the following on the employee data-frame.
 - a. Compute sum of all the salaries
 - b. Display names of all the employees whose salary > 4000
 - c. Display details of all the employees who joined on the specified date.
 - d. Change labels of rows and colons. [CO-CO1 , Apply]
2. Differentiate arrays and matrices in R. Create a 3-dimensional array to represent data from 19 to 36. Write R code to compute product of each dimension. [CO-CO1, Analyze and Apply]
3. Explain basic data types in R. [CO-CO1, Understand]
4.
 - a. Differentiate matrix and data-frame
 - b. Write R instructions to compute \log^{56} , sin, cos, tan-30 degrees
 - c. Compute results of addition, subtraction, multiplication of c(2,5,3) and c(6,5,4,2,3)
 - d. Write the R-Instructions to solve
$$\begin{aligned} 5x+3y+4z &= 4 \\ 4x+2y+6z &= 2 \\ 6x+y+5z &= 4 \end{aligned}$$
 - c. Apply merge operation on two different list and explain [CO-CO1, Analyze and Apply]

verified
Gif



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Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com

Website: www.lendi.org

OPERATING SYSTEMS

Date: 10-12-2020

ASSIGNMENT-2

1. For the processes listed in the following table, which of the following scheduling schemes will give the *highest average turnaround time* with the following algorithms. (A) First Come First Serve (B) Non-preemptive Shortest Job First (C) Shortest Remaining Time (D) Round Robin with *Quantum value two*?

Process ID	Arrival Time	Burst Time
A	0	4
B	2	7
C	3	5
D	5	3

Provide the answer using Gantt Chart

[APPLY] [CO2]

2. Calculate the *throughput and average waiting time* using RR for the processes with time quantum of 2 units

Process ID	Arrival Time	Execution Time
P1	0	7
P2	1	9
P3	3	6

Which among the completion order is correct order. Justify using Gantt chart

A) P1 P2 P3

B) P3 P1 P2

C) P2 P1 P3

[APPLY] [CO2]

D) none of the above

3. Consider three processes A,B,C. All processes arrive at time zero. Consider the *longest remaining time first (LRTF)* scheduling algorithm. In LRTF ties are broken by giving priority to the process with the FCFS. Calculate the average TAT, average waiting time.

Process ID	Arrival Time	Execution Time
A	0	0.02
B	0	0.04
C	0	0.08

4. Consider the following CPU processes with arrival times and length of CPU bursts as given below: (ms – milliseconds)

Process	Arrival Time(ms)	Burst Time(ms)
P1	0	7
P2	3	3
P3	5	6
P4	7	2

If the shortest remaining time first scheduling algorithm is used to schedule the processes. On every context switching, 1ms of overhead is there. Find the average waiting time across all processes in seconds.



Submission date: 20-10-2020


checked by
AUP

Impact Analysis of Innovation methodology :-

Impact Analysis:

1. All assignment questions are framed based on the attainment of the Course Outcomes and Program Outcomes such that they reflect the Bloom's Taxonomy.
2. To improve the application level and learning process, assignment questions are of theoretical / numerical types
3. Assignment will be given to the students after completion of each unit.
4. Unit wise assignments are evaluated and weight-age of those marks are given in final internal assessment.
5. To ensure maximum exposure in the subject it is suggested to give a minimum of two questions for each assignment.
6. Assignment questions are framed to increase the student's analytical skills.
7. Internal examinations are conducted in strict bond to the university academic calendar.
8. The questions asked in each subject are categorized to knowledge, comprehension, application, analysis, evaluation and synthesis level.
9. The questions for each subject are set in such a way that they map to the Course Outcomes of the respective subject.
10. All course outcomes are achieved through the two tests conducted in each semester as per the schedule given by University
11. By implementing all the above points students come to conclusion of how to prepare for the final exam.


Faculty In-charge


Head of the Department