ACCREDITED BY NAAC

A+ GRADE

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

AICTE AND JNTUH JOINT SHORT TERM TRAINING PROGRAMS

2019-2020

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Jawaharlal Nehru Technological University was established on 2nd October 1972. The University has been reorganized into four independent Universities by the State Government and JNTUH is one among them. The new University, JNTUH, situated in 85 acre campus in Kukatpally, Hyderabad and has four Constituent Engineering Colleges one each at Hyderabad, Jagityal, Manthani and Sultanpur in addition to other constituent units on the main campus, conducting Under-Graduate, Post-Graduate and Research programmes in various disciplines of Engineering, Technology, Sciences and Management. In addition, JNTUH has as many as 273 affiliated colleges spread over the state of Telangana.

In the last forty five years, the university has produced highly professional and competitive Engineers by infusing greater quality and content into the curriculum and educating the students with appropriate skills suitable for a rapidly changing industrial scenario. To improve the Quality of Technical Education, it has participated actively in a number of National Programmes like Technical Education Quality Improvement Programme, University-industry-interaction through consultancy, Continuing Education Programmes and Expansion of Infrastructure facilities for Emerging Technologies. University has established a number of higher learning institutes such as Institute of Science and Technology, School of Management Studies to offer inter-disciplinary PG programmes and Management programmes. With many professional colleges coming up in private sector, need has arisen to improve the quality of teaching. It necessitates providing continuous refresher courses to the teachers for updating and acquiring additional skills in new areas. With that goal, University established UGC- HRDC for technical teachers, which was sanctioned by UGC. With fast growing needs in the area of IT, University has established School of Information Technology in year 2000-01 to bring all Computer and IT related activities under the control of School of IT. To enhance and focus on research, the University has established a directorate of Research and Development and provided Scholarships for Full time Research Scholars to increase the number of in-house researchers.

COLLEGES AND ACADEMIC UNITS:

There are four Constituent Colleges and four academic units under the university, namely,

1. College of Engineering, Hyderabad (CEH)
2. College of Engineering, Jagityal (CEJ)
3. College of Engineering, Manthani (CEM)

4. College of Engineering, Sultanpur (CES)
5. School of Information Technology (SIT)
6. Institute of Science and Technology (IST)
7. School of Management Studies (SMS)
8. School of Continuing and Distance Education (SCDE)

All the four academic units are located in the Head quarters (Main campus) along with one constituent engineering college i.e., College of Engineering, Hyderabad (CEH).

The College of Engineering Jagityal (CEJ) is located in Jagityal district, about 150 km from Hyderabad. The college of Engineering Manthani (CEM) is located in Peddapally district, about 180 km from Hyderabad. The college of Engineering Sultanpur (CES) is located in Sangareddy district, about 50 km from Head quarters of the University. These three constituent colleges offer B.Tech./B.Tech. & M.Tech. programmes catering the needs of rural districts of the state of Telangana.

Administrative and other units:

1. Directorate of Academic and Planning
2. Directorate of Examination & Evaluation
3. Directorate of Academic Audit
4. Directorate of Research and Development
5. Directorate of University Foreign Relations
6. Directorate of Admissions
7. Bureau of Industrial & Consultancy Services
8. UGC-Human Resource Development Center
9. University Industry Interaction Centre
10. Directorate of J-Hub

Centres of Excellence:

1. Centre of Excellence in Disaster Management
2. Centre of Alternative Energy Options
3. Centre of Excellence in Computer Aided Design and Engineering
4. Centre of Excellence in VLSI & Embedded System Design

Affiliated colleges: JNT University Hyderabad accords affiliation to self-supporting colleges. The colleges are spread over 31 districts of Telangana. At any given time, there will be nearly 3,50,000 students on rolls of the constituent and affiliated colleges. The University offers B.Tech degree programme in 24 branches, B.Pharmacy, M.Tech. degree programme in 68 disciplines, M. Pharmacy in 11 disciplines, MCA and MBA programmes in affiliated colleges. It has 273 affiliated colleges spread over the entire Telangana State.

Ranks and Recognition:

- The University is accredited with A Grade by NAAC during the year 2017-18.
- The University secured 42nd position under the '*universities offering engineering programmes stream*' by the National Institutional Ranking Framework (NIRF) of MHRD, Govt. of India for the year 2018.
- The University secured 38th rank among the technical universities in India by the survey of '*The Week*' 2017.
- The University obtained 30th rank during the survey conducted by '*The Week*' among all India best universities 2017.
- The university is recognized by UGC under 2(f) and 12(B) vide. Letter No.F.9-20/2008 (CPP-1), dated.24.08.2009.

University Governance Structure:

The Hon'ble Governor of the state of Telangana is the Chancellor of the University. The University is headed by the Vice-Chancellor appointed by the Chancellor of the University. The Vice-Chancellor is the Academic Head and Principal Executive Officer of the University. The Vice-Chancellor is supported in functioning by the Executive Council, Academic Senate, Finance Committee, Planning and Monitoring Board, Selection Committee, College Academic Committee, Boards of Studies and the University Committee for Perspective Planning. The Executive Council of the University is the Highest Body mainly concerned with the overall management of the University. Members of this council are drawn from Government, Industry and Academicians from within the University and experts from outside. The Vice- Chancellor of the University is the Chairman of the Executive Council.

The organization chart for the University governing committees are presented below:

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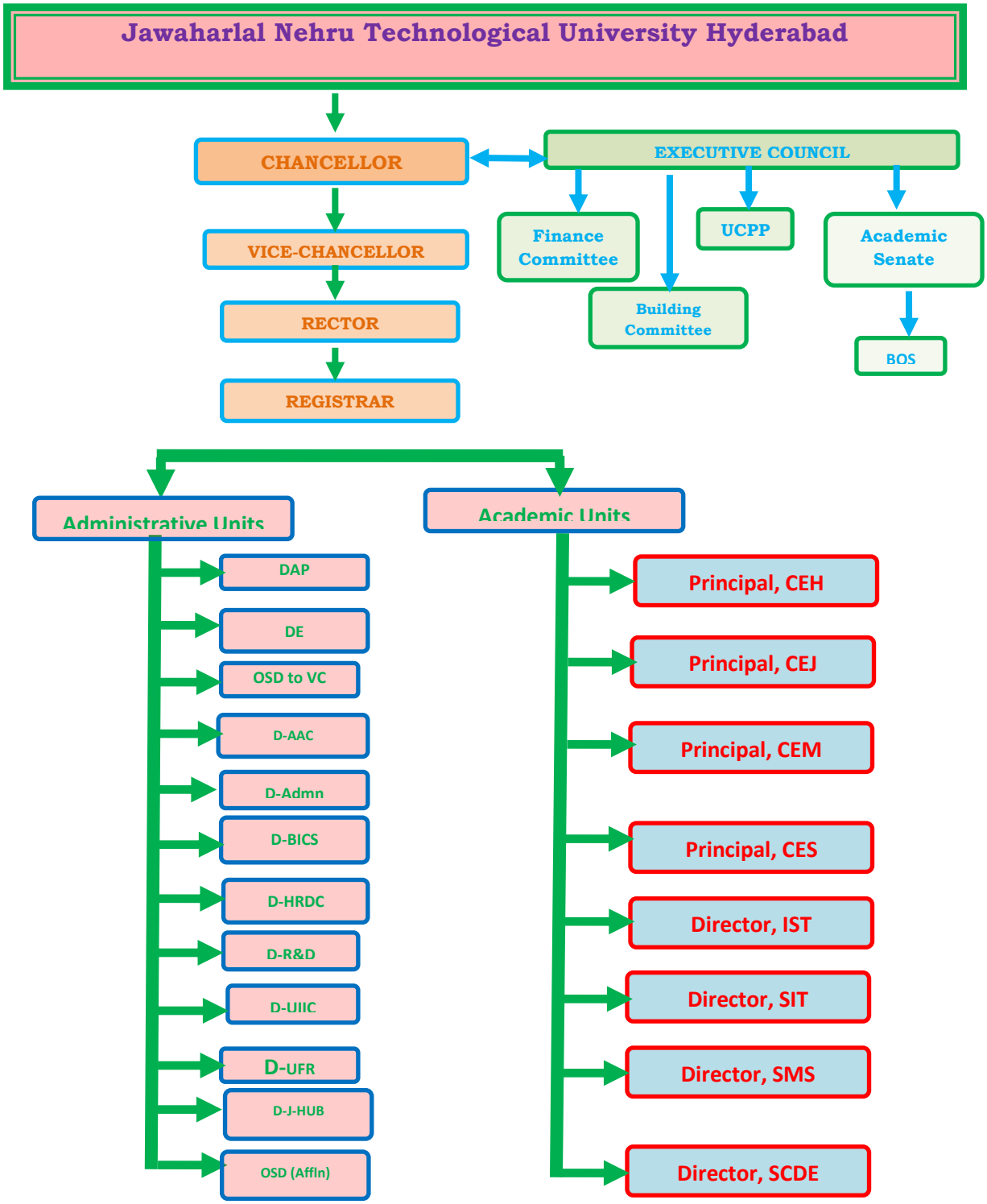

Kukatpally
Hyderabad – 500 085
Telangana (India)
Phone: 040-23156109
Fax: 040-23156112
Email: vcjntu@jntuh.ac.in
Website: www.jntuh.ac.in

ACCREDITED BY NAAC
A-GRADE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Sri Jayesh Ranjan, IAS
In-Charge Vice-Chancellor

MESSAGE

The Teachers of Technical Education have to be ready and equipped with the required abilities to acquire the latest knowledge and developments in their field. The teachers have to be trained on the use of appropriate pedagogical techniques for effective delivery and assessment strategies. The trained teaching faculty represents the vital component for promotion of effective and meaningful education. Hence, the continuous teacher training in Technical Education is so important for Educational Excellence, as the professional Development of the teacher is the key source.

Jayesh Ranjan

Phone: 040-23151610
Fax: 040-23156795
Web : www.jntuhhrdc.in
EMail:directorhrdcjntuh@jntuh.ac.in

ACCREDITED BY NAAC
A-GRADE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Establishment by Govt. Act No. 30 of 2008)

Kukatpally, Hyderabad – 500 085, Telangana State, India.

Dr. G.K. VISWANADH
B.E (Civil), M.E.(Hydraulics), Ph.D., F.I.E.
Professor of Civil Engineering &
DIRECTOR, UGC-HRDC & Coordinator AICTE FDPs

Foreword

The Jawaharlal Nehru Technological University Hyderabad entered into an MoU with All India Council for Technical Education (AICTE), New Delhi, in the Academic Year 2019-20, for conducting the Joint Short Term Training Programmes for the faculty of AICTE approved Institutions affiliated with JNTUH, with the objective to prepare the faculty members for being successful in the Knowledge Society. AICTE has sanctioned 10 programs for this academic year and 10 programs have been conducted successfully through HRDC of the University and a total number of 565 members of faculty were trained in the FDPs.

Apart from this, The HRDC has been organizing several programs viz. Orientation Programmes, Refresher Courses, Short Term Courses, Faculty Development Programs and Workshops for the members of the faculty to create high quality human resources and to adopt innovative approaches in Higher Education. In the Academic Year 2019-20, the HRDC has successfully conducted 26 UGC sponsored courses of Three-week/Two-week/One-week duration and 4 TEQIP-III sponsored workshops and a total number of 1064 members of faculty were trained in addition to AICTE sponsored 10 programs.

The University has to constitute a Steering Committee as per the scheme document and guidelines of AICTE to conduct the Joint Short Term Training Programs, for effective implementation of the scheme. The University has addressed letters to Hyderabad Central University, Hyderabad, NIT Warangal, Osmania University, Hyderabad and Andhra University, Visakhapatnam, to nominate the members to Steering Committee. The Registrars of the respective Universities have nominated the senior Professors from their Universities as Members of the Steering Committee. The AICTE has nominated Col. B. Venkat, Director, RIFD, AICTE, New Delhi as the member of Steering Committee. The Registrar and the Finance Officer of JNTUH are the Special Invitees of the Steering Committee.

The HRDC, JNTUH has initiated online feedback system from the Academic Year 2019-20 to analyze individual responses and to assess the training conducted for the participants so as to adopt more innovative training methods for overall development and knowledge upgradation of the faculty. The details of various FDPs organized during the year 2019-20 are presented in this report.

DIRECTOR

LIST OF STEERING COMMITTEE MEMBERS OF AICTE FDPs OF JNTUH

S. No	Name	Designation and Address	
CHAIRMAN			
1	**Sri JayeshRanjan$_{IAS}$**	In-charge Vice-Chancellor JNTUH Hyderabad	
MEMBERS			
2	**Col. B. Venkat**	Director RIFD Bureau AICTE Nelson Mandela Marg, Vasant Kunj, New Delhi	
3	**Dr. E. Vidya Sagar**	Associate Professor Dept. of Electrical Engg., & Vice-Principal, University College of Engineering, OU, Hyderabad, T.S.	
4	**Dr. I. Lokananda Reddy**	Associate Professor School of Management Studies, University of Hyderabad Hyderabad, T.S.	
5	**Dr. K.V. Jayakumar**	Professor of Civil Engg., & Dean (IR&AA), National Institute of Technology Warangal, T.S.	
6	**Prof. P. Mallikarjuna Rao**	Professor Dept. of Electrical Engineering A.U. College of Engineering (A), Visakhapatnam, A.P.	
7	**Dr. G.K. Viswanadh**	Professor of Civil Engg., & Director, UGC-HRDC, JNTUH, Hyderabad, T.S.	
SPECIAL INVITEES			
8	**Dr. A. Govardhan**	Professor of CSE & Rector & Registrar I/c., JNTUH, Hyderabad, T.S.	
9	**Sri G. Janardhan Rao**	Finance Officer JNTUH Hyderabad	

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Prof. A. Venugopal Reddy
Vice-Chancellor

Lr. No. JNTUH/UGC – HRDC/AICTE Training Programmes/ 674/2018-19. Date: 22.02.2019

Dear Prof. Dileep N. Malkhede,

Sub: JNTUH – Joint Short Term Training Program (STTP) funded by AICTE and technical universities for teachers in technical institutions – Acceptance – Communicated – Reg.

Ref: 1) Your letter F. No. 34-37/RIFD/FDP through TU/2017-18, dated. 07-12-2018.
2) Your letter F. No. 34-37/RIFD/FDP through TU / 2017-18, dated 11-02-2019.

--*

I am in receipt of the two copies of MoU related to our University duly signed by Hon'ble Chairman – AICTE, for conducting Short Term Training Progammes jointly funded by AICTE and JNTUH for teachers in technical institutions, vide ref. 2 cited above.

In this connection, both the copies of MoU are signed by me along with witness, for and on behalf of JNTUH, and one copy of the MoU is herewith enclosed.

Thanking you,

Yours sincerely,

22/2/19

(A. Venugopal Reddy)

To
Prof. Dileep N. Malkhede
Advisor-1
All India Council for Technical Education
MHRD, Govt. of India
Nelson Mandela Marg, Vasant Kunj
New Delhi – 110 067

MEMORANDUM OF UNDERSTANDING
BETWEEN
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
AND
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

This **Memorandum of Understanding (MoU)** executed at New Delhi on _____ by and between:

All India Council for Technical Education (AICTE) New Delhi, through its Chairman, (hereinafter referred to as the **"AICTE"**) having its office at Nelson Mandela Marg, Vasant Kunj, New Delhi on the first part.

AND

Jawaharlal Nehru Technological University Hyderabad through its Vice Chancellor (hereinafter referred to as the **"JNTUH"**) having its office at Kukatpally, Hyderabad, Telangana on the second part.

WHEREAS, AICTE and JNTUH are desirous to execute AICTE - JNTUH joint training programs for teachers in AICTE's approved technical institutions affiliated with the University.

NOW, THEREFORE, both parties agree to the following terms and conditions: -

i. **Objective**: The objective of the AICTE - JNTUH training programs is to conduct training for faculty members to prepare them for being successful in a knowledge society.

ii. **Eligibility:** All teachers from AICTE approved institutions affiliated with the JNTUH are eligible to participate.

iii. **Duration/Type/Participants:** The AICTE - JNTUH training program will be of five days' residential program with minimum forty participants.

iv. **Fund Limits:** The maximum total expenditure for conduct of one training program will be Rs. three lakh only to be equally shared by AICTE and JNTUH.

AICTE will release a grant of Rs. 1.5 lakh to JNTUH per training program to meet the expenditure to the extent of Rs. 1.5 lakh or the actual expenditure, whichever is less on (i) TA/DA/ Honorarium to Resource

Persons (Honorarium not to exceed 20% of the total expenditure incurred on conduct of one such training program), (ii) TA to outstation participants (iii) Course material to participants.

JNTUH will meet from its own funds, the expenditure to the extent of Rs. 1.5 lakh or the actual expenditure, whichever is less, to cover all items of expenditure such as (i) Boarding & lodging of participants, (ii) Honorarium to Programme Coordinator (not to exceed 1% of the total expenditure incurred on one such training program), (iii) Working expenses (tea/coffee/stationary/certificate/printing etc.).

v. **Number of Programs:** JNTUH in association with AICTE will conduct training programs in the field of technical education. JNTUH shall conduct 10 such training programs in a financial year.

vi. **Certification:** JNTUH will do the certification of these programs jointly with AICTE. JNTUH will ensure that the certificates shall be issued only to those participants, who qualify the test.

vii. **Host:** JNTUH will act as the host.

viii. **Submission of documents:** After conduct of each of the training program following documents shall be submitted to AICTE:

a. Detailed schedule of training program.
b. List of resource persons invited with full address, contact details, topics, etc.
c. List of participants attended the training program.
d. Copy of question paper and mark sheet for the test conducted at the end of program.
e. Minimum five photographs and a video CD of selected sessions.

ix. **Utilization Certificate:** JNTUH shall submit yearly report, statement of expenditure and utilization certificate for sanctioned grants **within a month after the end of each financial year** duly audited by a certified Chartered Accountant firm. The accounts shall be open to inspection by the officials of AICTE and an audit by the Statutory Auditors.

x. **Infrastructure:** Being a residential program, the JNTUH shall have requisite infrastructure viz. guest house and dining hall etc.

xi. **Role and responsibilities of AICTE**

- AICTE shall nominate a representative to attend the meetings of Monitoring Committee.

- AICTE shall sanction and release the grants in favor of JNTUH as admissible.
- An appropriate advertisement shall be placed by AICTE & JNTUH and applications will be invited online on JNTUH web-portal with a link on AICTE's website.
- AICTE shall conduct surprise visits to some institutes while the program is in progress.
- AICTE will release a grant of Rs. 1.5 lakh to JNTUH per training program to meet the expenditure to the extent of Rs. 1.5 lakh or the actual expenditure, whichever is less.
- AICTE shall release its contribution towards the expenditure for the conduct of such training programs only on receipt of the documents from JNTUH as stated at (viii) and (ix) above.

xii **Validity of Agreement:** This agreement shall be effective up to maximum of **five years**, starting from the date of signing of the Agreement and its continuance will be subject to annual review of the scheme and deliverables.

xiii **Resolution of dispute:**

a) Any dispute between the parties arising in connection with the performance of this MOU shall be resolved amicably between the parties through a process of negotiation by the representatives of both the parties.

b) In case the dispute is not resolved, then it shall be referred to the Chairman, AICTE and the Vice-Chancellor/Registrar of the University for settlement. Even then, if any issue still remains unresolved, then it shall be referred to the Arbitrator who shall be appointed with the consent of both the parties. The seat of the Arbitrator shall be at New Delhi and proceeding shall be in accordance with the provisions of the Arbitration and Conciliation Act, 1996.

xiv **Termination: "The AICTE in its sole discretion, by giving prior notice of one month to the other party, may terminate this agreement without assigning any reason.**

This MoU/agreement shall come into force from the date both the parties have signed the same.

Both the parties have considered and read the T&C of this agreement and thereafter agreed to sign this agreement on 22-02-2019.

IN WITNESS whereof, the parties hereto have caused this agreement to be signed in their respective name as on the day, month and year mentioned above.

For and on behalf of
AICTE, New Delhi

(Prof. Anil D. Sahasrabudhe)
Chairman, AICTE

Witness
(Mrs Sanju Choudhary)

For and on behalf of
Jawaharlal Nehru Technological University Hyderabad

(Prof. A. Venugopal Reddy)
Vice-Chancellor,
Jawaharlal Nehru Technological University Hyderabad

Witness
(Dr GK Viswanadh)

TRAINING PROGRAMS CONDUCTED FOR THE YEAR 2019-20

S. No	Title of the Programme	Coordinators	Schedule	No. of participants
1	Programming for Problem Solving – A Pedagogical Approach	**Mrs. E. Hemalatha** Asst. Professor, Dept. of CSE, JNTUHCEH, Hyderabad	22.07.2019 to 26.07.2019	44
2	Research Methodology and IPR	**Dr. L. Pratap Reddy** Professor, Dept. of ECE, JNTUHCEH, Hyderabad & **Dr. M. Asha Rani** Professor, Dept. of ECE, JNTUHCEH, Hyderabad	05.08.2019 to 09.08.2019	55
3	Power Systems	**Dr. A. Jayalaxmi** Professor, Dept of EEE, JNTUHCEH, Hyderabad	23.09.2019 to 27.09.2019	54
4	Artificial Neural Networks & Deep Learning	**Dr. K. Anitha Sheela** Professor, Dept. of ECE, JNTUHCEH, Hyderabad	04.11.2019 to 08.11.2019	55
5	Engineering Chemistry	**Dr. M. Tirumala Chary** Professor, Dept. of Chemistry, JNTUHCEH, Hyderabad & **Dr. Ch. Venkata Ramana Reddy** Professor, Dept. of Chemistry, & Director, UIIC, JNTUH, Hyderabad	02.12.2019 to 06.12.2019	42
6	Artificial Intelligence	**Dr. K.P. Supreethi** Professor, Dept. of CSE, JNTUHCEH, Hyderabad	02.12.2019 to 06.12.2019	60
7	Block Chain Technology	**Mrs. E. Hemalatha** Asst. Professor, Dept. of CSE, JNTUHCEH, Hyderabad	27.01.2020 to 31.01.2020	42
8	Hydraulics and Hydraulic Machines	**Dr. G.K. Viswanadh** Professor of Civil Engg., & Director, UGC-HRDC, JNTUH	27.01.2020 to 31.01.2020	41
9	Foundation Engineering	**Dr. N. Darga Kumar** Asst. Professor, Dept. of Civil Engineering, JNTUHCEM, Manthani	03.02.2020 to 07.02.2020	40
10	AI Techniques to Electrical Engineering	**Dr. A. Jayalaxmi** Professor, Dept of EEE, JNTUHCEH, Hyderabad	06.07.2020 to 10.07.2020	132

Faculty Development Programme on

"Programming for Problem Solving – A Pedagogical Approach"

(22-07-2019 to 26-07-2019)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State, INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Programming for Problem Solving – A Pedagogical Approach",** at UGC –Human Resource Development Centre, JNTU Hyderabad during the period **22-07-2019 to 26-07-2019**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar / Principal / Director with Seal

Place:
Date :

Boarding and Lodging:
Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:
The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:
UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application at UGC - HRDC, JNTUH, Hyderabad : **12-07-2019**

Intimation of Selection to the candidates through e-mail/web : **15-07-2019**

Program Commencement : **22-07-2019**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Faculty Development Programme
on
"Programming for Problem Solving – A Pedagogical Approach"

(22-07-2019 to 26-07-2019)

Sponsored by

All India Council for Technical Education

Coordinator
Mrs. E. Hemalatha
Asst. Professor, Dept. of CSE, JNTUHCEH

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

The Constituent Engineering Colleges and Units/Schools of JNTUH are offering B.Tech. in 9 branches, M.Tech in 27 specializations, M.Pharmacy in 3 specializations, M.Sc. in 4 specializations, MBA and MCA, and Five-year Integrated Dual Degree Masters Programme in 10 specializations with M.Tech./MBA. Additionally, MS, M.Phil and Ph.Dprogrammes in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with many International and National organizations/universities/ institutions/industries.

Objectives:

The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society.

During the current academic year 2019-20, a five day Faculty Development Programme on **"Programming for Problem Solving – A Pedagogical Approach"** is proposed to be organized during **22-07-2019 to 26-07-2019,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first - come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty from all the disciplines.**

- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:

There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.

If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Introduction to Programming for Problem Solving**
- **Variables, Operators, Expressions, Keywords**
- **Loops, I/O Command line arguments**
- **Arrays, Strings**
- **Structures, Pointers**
- **Functions, Preprocessors**
- **Files and Dynamic Memory Allocations**

**** Contents may vary slightly.***

Resource Persons are drawn from IITs, NITs, JNTUH and other Universities, Industries and R&D organizations.

APPLICATION FORM

Faculty Development Programme on "Programming for Problem Solving – A Pedagogical Approach"

(22-07-2019 to 26-07-2019)

Name: ……
Date of Birth & Age: ……
Gender (M / F): ……
Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……

Designation :
Department:
Pay Scale & Present Basic :
Institution :
Affiliating University:
Address for Communication:
……
……
……
……
College Address:
……
……
….

Phones Nos:
(O)……
(R)……

MOBILE:…… Fax:……
E - mail ID: ……

Accommodation Required? YES / NO

AICTE Sponsored Five Day Faculty Development Programme on

"Programming for Problem Solving – A Pedagogical approach"

(22-07-2019 to 26-07-2019)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
22-07-2019 Monday	**Registration & Inagural Session Introduction to Programming for Problem Solving** By **Sandeep Wadha** Director, Being Zero, Gachibowli, Hyderabad	**TEA BREAK**	**Introduction to Programming for Problem Solving** By **Sandeep Wadha** Director, Being Zero, Gachibowli, Hyderabad	**LUNCH BREAK**	**IDE, Tools** by **Sandeep Wadha** Director, Being Zero, Gachibowli, Hyderabad	**TEA BREAK**	**IDE, Tools & Structure of C** by **Simarjot Kaur** Head, Campus Connect, Being Zero, Gachibowli, Hyderabad
23-07-2019 Tuesday	**Operators and Expressions** by **Dr. Anjaneya Swami Kare** Assistant Professor, SCIS HCU, Hyderabad		**Conditional Branching and Looping** by **Dr. Anjaneya Swami Kare** Assistant Professor, SCIS HCU, Hyderabad		**Basic Algorithms (Sorting)** by **Prof. Neil Gogte** Director, KMIT, Hyderabad		**Basic Algorithms (Searching)** by **Prof. Neil Gogte** Director, KMIT, Hyderabad
24-07-2019 Wednesday	**Arrays** by **Dr. K.P. Supreethi** Professor, Dept. of CSE, JNTUHCEH, Hyderabad		**Strings by Dr. K.P. Supreethi** Assoc. Professor, Dept. of CSE, JNTUHCEH, Hyderabad		**Functions** by **Simarjot Kaur** Head, Campus Connect, Being Zero, Gachibowli, Hyderabad		**Recursion** by **Simarjot Kaur** Head, Campus Connect, Being Zero, Gachibowli, Hyderabad
25-07-2019 Thursday	**Structures& Union** by **Sandeep Wadha** Director, Being Zero, Gachibowli, Hyderabad		**Command Line Arguments & Preprocessor Directives** by **Sandeep Wadha** Director, Being Zero, Gachibowli, Hyderabad		**Problem Solving : What? Why? How? by Dr. Kannan Srinathan** Assistant Professor IIIT Hyderabad		**Ethics and Values by Dr. Kannan Srinathan** Assistant Professor IIIT Hyderabad
26-07-2019 Friday	**Pointers by Dr. Anjaneya Swami Kare** Assistant Professor, SCIS HCU, Hyderabad		**Pointers by Dr. Anjaneya Swami Kare** Assistant Professor, SCIS HCU, Hyderabad		**File-Handling** by **Dr. S. Nagendra Kumar** Associate Professor, SCIS, HCU Hyderabad		**File-Handling** by **Dr. S. Nagendra Kumar** Associate Professor, SCIS, HCU Hyderabad

AICTE sponsored Five Day Faculty Development Programme on
"Programming for Problem Solving – A Pedagogical approach"
(22-07-2019 to 26-07-2019)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Sandeep Wadha Director, Being Zero, Gachibowli, Hyderabad	Introduction to Programming for Problem Solving	9866507368	sandy.wadhwa@gmail.com
		IDE, Tools		
		Structures & Union		
		Command Line Arguments & Preprocessor Directives		
2	Simarjot Kaur Head, Campus Connect, Being Zero, Gachibowli, Hyderabad	Structure of C	8374187917	simar.ahluwalia@gmail.com
		Functions		
		Recursion		
3	Dr. Anjaneya Swami Kare Assistant Professor, SCIS HCU, Hyderabad	Operators and Expressions	9666315357	askcs@uohyd.ac.in
		Conditional Branching and Looping		
		Pointers		
4	Prof. Neil Gogte Director, KMIT, Hyderabad	Basic Algorithms (Sorting)	9989052226	ngogte@kmit.in
		Basic Algorithms (Searching)		
5	Dr. K.P. Supreethi Professor, Dept. of CSE, JNTUHCEH, Hyderabad	Arrays	9949738588	supreethi.pujari@jntuh.ac.in
		Strings		
6	Dr. Kannan Srinathan Assistant Professor IIIT Hyderabad	Problem Solving: What? Why? How?	9885311702	srinathan@iiit.ac.in
		Ethics and Values		
7	Dr. S. Nagendra Kumar Associate Professor, SCIS, HCU, Hyderabad	File-Handling	8500118379	nks@uohyd.ac.in
8	Dr. E. Hemalatha Assistant Professor Dept. of CSE, JNTUHCEH Kukatpally, Hyderabad	Course Coordinator	9908013310	hemamorarjee@gmail.com hemamorarjee@jntuh.ac.in

AICTE Sponsored Five Day Faculty Development Programme on

"Programming for Problem Solving – A Pedagogical approach"

(22-07-2019 to 26-07-2019)

List of Participants:

S. No.	Name	Designation, Dept., and College Address
1	S. Shiva Reddy	Assistant Professor (c), Dept. of CSE, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
2	Dr. E. Raju	Associate Professor, Dept. of CSE, Vaagdevi Engineering College, Bollikunta, Warangal, T.S.
3	B. Krishna	Assistant Professor, Dept. of CSE, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
4	Kodam Goutham Raju	Assistant Professor, Dept. of CSE, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
5	Boddu Sravan	Assistant Professor, Dept. of CSE , Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
6	Kishan Banothu	Assistant Professor (c), Dept. of Mechanical Engineering, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
7	Rakhesh k.	Assistant Professor, Dept. of CSE, Jayaprakash Narayan College of Engineering, Dharmapur, Mahabubnagar Dist., T.S.
8	Koraveni Vijay	Assistant Professor, Dept. of CSE, MLR Institute of Technology, Dundigal, Hyderabad, T.S.
9	K. Ambika	Assistant Professor, Dept. of CSE, CVR College of Engineering, Vastunagar, Mangalpally, Ibrahimpatnam, R.R. Dist., T.S.
10	K. Manoj kumar	Assistant Professor, Dept. of CSE, CVR College of Engineering, Vastunagar, Mangalpally, Ibrahimpatnam, R.R. Dist., T.S.
11	A. Nagaraju	Assistant Professor, Dept. of CSE, CVR College of Engineering, Vastunagar, Mangalpally, Ibrahimpatnam, R.R. Dist., T.S.
12	G. Anja reddy	Assistant Professor, Dept. of H & S, CMR Institute of Technology (Autonomous), Kandlakoya, Medchal, Hyderabad, T.S.
13	M. Surendar Reddy	Assistant Professor, Dept. of CSE, CMR Institute of Technology (Autonomous), Kandlakoya, Medchal, Hyderabad, T.S.
14	Kumar Raja Thokala	Assistant Professor, Dept. of I.T, Malla Reddy College of Engineering and Tech., Maisammaguda, Dhulapally, Secunderabad, T.S.
15	C. Ramakrishna	Assistant Professor, Dept. of CSE, K.G. Reddy College of Engineering & Technology, Moinabad, Hyderabad, T.S.
16	Dr. J. Srinivas	Associate Professor, Dept. of CSE, K.G. Reddy College of Engineering & Technology, Moinabad, Hyderabad, T.S.
17	P. Vemulamma	Assistant Professor, Dept. of CSE, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.

S. No.	Name	Designation, Dept., and College Address
18	T. Ratnamala	Assistant Professor, Dept. of CSE, ACE Engineering College, Ankushapur, Ghatkesar, Hyderabad, T.S.
19	P. Swaroopa	Assistant Professor, Dept. of CSE, ACE Engineering College, Ankushapur, Ghatkesar, Hyderabad, T.S.
20	Mrs. N.V.P.R. Rajeswari	Assistant Professor, Dept. of H & S, CMR Institute of Technology (Autonomous), Kandlakoya, Medchal, Hyderabad, T.S.
21	K. Swathi	Assistant Professor, Dept. of H & S, CMR Institute of Technology (Autonomous), Kandlakoya, Medchal, Hyderabad, T.S.
22	K. Mouneshwari	Assistant Professor, Dept. of CSE, CMR Institute of Technology (Autonomous), Kandlakoya, Medchal, Hyderabad, T.S.
23	K. Laxmi Prasanna	Assistant Professor, Dept. of CSE, CMR Institute of Technology (Autonomous), Kandlakoya, Medchal, Hyderabad, T.S.
24	B. Anagha	Assistant Professor, Dept. of CSE, NallaMalla Reddy Engineering College, Divya Nagar, Hyderabad, T.S.
25	N. Pujitha	Assistant Professor, Dept. of Information Technology, BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, T.S.
26	M. Swathi	Assistant Professor, Dept. of Information Technology, BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, T.S.
27	B. Pavani	Assistant Professor, Dept. of CSE, Malla Reddy College of Engineering and Technology, Maisammaguda, Secunderabad, T.S.
28	M. Sirisha	Assistant Professor, Dept. of CSE, Malla Reddy College of Engineering and Technology, Maisammaguda, Secunderabad, T.S.
29	Ravi Gugulothu	Assistant Professor (c), Dept. of Mechanical Engineering, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
30	Devendar G.	Assistant Professor (c), Dept. of Mechanical Engineering, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
31	P. Ajay Kumar	Assistant Professor (c), Dept. of CSE, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
32	T. Neetha	Associate Professor, Dept. of CSE, Brilliant Grammar School Educational Society's Group of Institution, Hyderabad, T.S.
33	Sudha Singaraju	Assistant Professor, Dept. of CSE, Geethanjali College of Engineering & Technology, Cheeryal, Keesara, Hyderabad, T.S.
34	D.L.N. Prasunna	Assistant Professor, Dept. of CSE, Bharat Institute of Engineering & Technology, Mangalpally, Hyderabad, T.S.
35	Vishnu Prasad Goranthala	Assistant Professor, Dept. of CSE, Balaji Institute of Technology & Science, Narsampet, Warangal, T.S.
36	Badugu Ranjith	Assistant Professor, Dept. of CSE, Balaji Institute of Technology &

S. No.	Name	Designation, Dept., and College Address
	Kumar	Science, Narsampet, Warangal, T.S.
37	Ballu Harish	Assistant Professor (c), Dept. of Centre for Spatial Information Technology, JNTUH CEH, Kukatpally, Hyderabad, T.S.
38	V. Bharani Priya	Assistant Professor (c), Dept. of CSE, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
39	M. Kireet	Assistant Professor (c), Dept. of CSE, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
40	S. Swetha	Assistant Professor, Dept. of CSE, Brilliant Grammar School Educational Society's Group of Institution, Hyderabad, T.S.
41	Jampala Ramana	Assistant Professor, Dept. of ECE, Jayamikhi Institute of Technological Sciences, Makdumpuram, Chenaraopet, Narasampet, Warangal, T.S.
42	Ashwini Gulhane	Assistant Professor, Dept. of CSE, K.G. Reddy College of Engineering & Technology, Chilkur, Moinabad, Hyderabad, T.S.
43	Harikrishna Bommala	Assistant Professor, Dept. of CSE, K.G. Reddy College of Engineering & Technology, Chilkur, Moinabad, Hyderabad, T.S.
44	Chintalapudi Anil	Assistant Professor, Dept. of CSE, MLR Institute of Technology, Dundigal, Hyderabad, T.S.

- **44 participants have registered for the program, out of which 40 were successfully completed the program.**

AICTE sponsored Five Day Faculty Development Programme on

"Programming for Problem Solving – A Pedagogical approach"

(22-07-2019 to 26-07-2019)

REPORT:

The AICTE sponsored Faculty Development Programme on "Programming for Problem Solving – A Pedagogical Approach" was conducted during 22-07-2019 to 26-07-2019.

A Total numbr of 44 participants have registered for the program, out of which 40 were successfully completed the program. The complete one week intensive program inducted better means and strategies to be followed by the teachers to enhance the teaching skills. The event included lectures from prominent teachers, entrepreneurs and researchers in the field of computer science.

All the aspects were covered starting with Introduction to programming for problem solving by Sandeep Wadha, CEO, Being Zero, Hyderabad followed by IDE, Tools and Structure of C by Simarjot Kaur, Being Zero alongside Sandeep Wadha.

The day 2 program focused to brush the basics of programming segmented into Operators and Expressions along with Conditional Branching and Looping addressed by Dr. Anujaneya Swami Kare, Associate Professor, HCU, Hyderabad and Basic algorithms on Sorting and Searching by Prof. Neil Gogte, Director, KMIT, Hyderabad.

More advanced topics for complex solution building involving Arrays and Strings were delivered by Dr.K.P. Supreethi, Assoc. Professor, Department of Computer Science and Engineering, JNTUHCEH, Hyderabad. Concepts like Functions and recursions to reduce the effort and lines of program which are also considered to be very important for overall performance and cost of any system were seamlessly explained by Sandeep Wadha on Day 3.

On Day 4, the proceedings continued with discussion on structures and unions, command line arguments and pre-processor directives by Sandeep. In the afternoon session, we had Dr. Kannan Srinathan, Assistant professor, IIIT-Hyderabad injecting his knowledge on Problem solving to the participant.

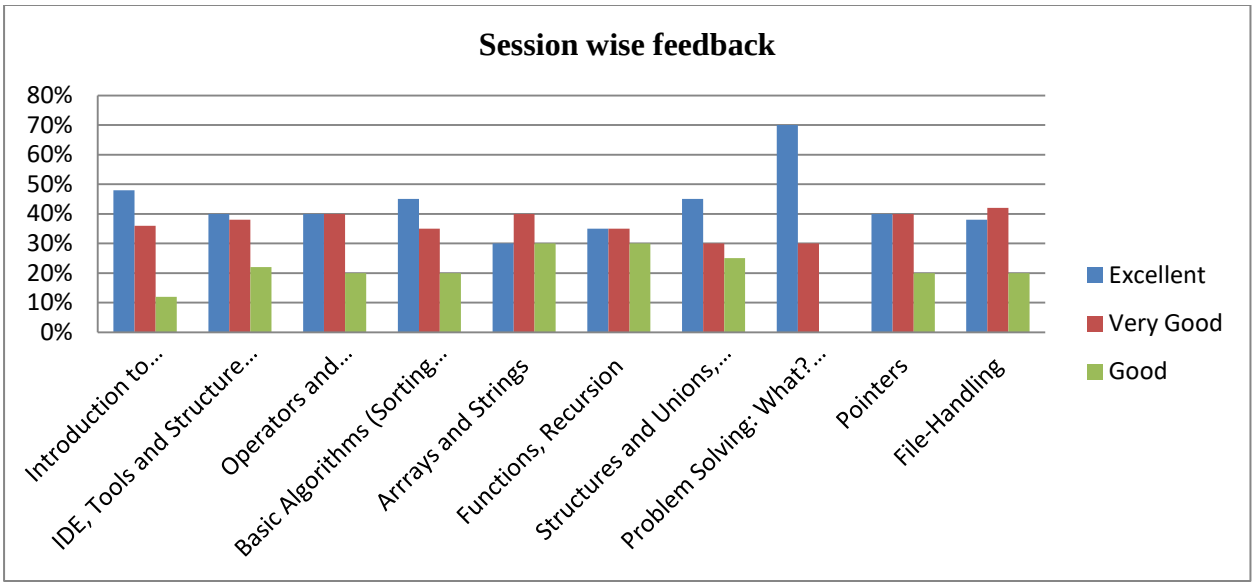
On the last day, penultimate topics of C- pointers were explained by Dr.Anjaneya Swami Kare and Dr. S. Nagendra Kumar dealing with File Handling.

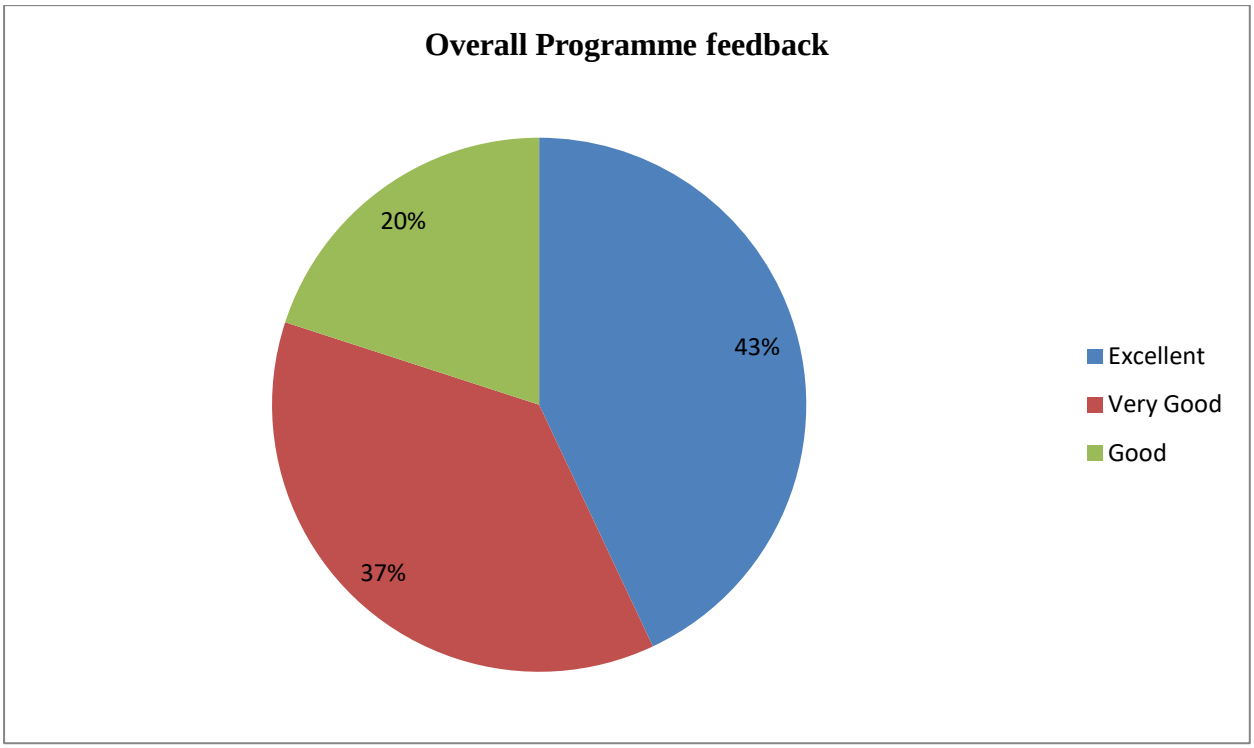
All the Instructors pledged great dedication and commitment to push and satisfy the agenda to the best extend possible propelling the event towards success and attaining its described objective and purpose. We believe the event brings change in the format of teaching in a positive direction to further enhance the skills of students allowing easy transitioning to industry professionals.

Lecture session on “Basic Algorithms - Sorting and Searching” by **Dr.Neil Gogte**, Director, KMIT, Hyderabad in FDP - “Programming for Problem Solving – A Pedagogical approach”

Address by **Dr. G.K. Viswanadh**, Director, UGC-HRDC & Coordinator-AICTE FDPs of JNTUH in the Valedictory session of FDP “Programming for Problem Solving – A Pedagogical approach”

Feedback by the participant in the valedictory session of FDP “Programming for Problem Solving – A Pedagogical approach”


Session wise feedback
80%
70%
60%
50%
40%
30%
20%
10%
0%
Introduction to...
IDE, Tools and Structure...
Operators and...
Basic Algorithms (Sorting...
Arrrays and Strings
Functions, Recursion
Structures and Unions,...
Problem Solving: What?...
Pointers
File-Handling
Excellent
Very Good
Good


Overall Programme feedback
20%
43%
37%
Excellent
Very Good
Good

Faculty Development Programme on

"Research Methodology and IPR"
(05-08-2019 to 09-08-2019)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State, INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant

Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Research Methodology and IPR",** at UGC –Human Resource Development Centre, JNTU Hyderabad during the period **05-08-2019 to 09-08-2019**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Note to Sponsoring Authority:

- It is mandatory that the sponsored teachers, **if selected,** should be deputed for the Course.

Boarding and Lodging:

Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:

The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:

UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application at UGC - HRDC, JNTUH, Hyderabad	:	**27-07-2019**
Intimation of Selection to the candidates through e-mail/web/letter	:	**30-07-2019**
Program Commencement	:	**05-08-2019**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

web: www.jntuhhrdc.in

Faculty Development Programme on

"Research Methodology and IPR"

(05-08-2019 to 09-08-2019)

Sponsored by

All India Council for Technical Education

Coordinator

Dr. L. Pratap Reddy
Professor, Dept. of ECE
&
Dr. M. Asha Rani
Professor, Dept. of ECE

JNTUH CEH, Kukatpally, Hyderabad

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

The Constituent Engineering Colleges and Units/Schools of JNTUH are offering B.Tech. in 9 branches, M.Tech in 27 specializations, M.Pharmacy in 3 specializations, M.Sc. in 4 specializations, MBA and MCA, and Five-year Integrated Dual Degree Masters Programme in 10 specializations with M.Tech./MBA. Additionally, MS, M.Phil and Ph.D programmes in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with many International and National organizations/universities/ institutions/industries.

Objectives: The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society. During the current academic year 2019-20, a five day Faculty Development Programme on **"Research Methodology and IPR"** is proposed to be organized during **05-08-2019 to 09-08-2019,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first -come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty members who are teaching for PG Courses in Engineering Colleges.**
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:

There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.

If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Characterization of Research Problem**
- **Data Collection, Analysis, Literature review**
- **Technical Writing, Ethics, Plagiarism**
- **Nature of IP**
- **Patents, Copy right, Copy left**

Resource Persons are drawn from JNTUH, IIIT Hyderabad, Swecha, Amazon, TCS and other Universities, Industries and R&D organizations.

APPLICATION FORM

Faculty Development Programme on "Research Methodology and IPR" (05-08-2019 to 09-08-2019)

Name: ……

Date of Birth & Age: ……

Gender (M / F): ……

Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……..

Designation :

Department:

Pay Scale & Present Basic :

Institution :

Affiliating University:

Address for Communication:

……

……

……

College Address:

……

……

Phones Nos:

(O)……

(R)……

MOBILE:…… Fax:……

E - mail ID: ……

Accommodation Required? YES / NO

AICTE sponsored Faculty Development Programme on

"Research Methodology and IPR"

(05-08-2019 to 09-08-2019)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
05-08-2019 Monday	Inaugural Session **Identification of Research Problems** **By** **Dr. S. Madhu** Professor, Dept. of M.E., Anurag Group of Institutions, Hyderabad	TEA BREAK	**Identification of Research Problems** **By** **Dr. S. Madhu** Professor, Dept. of M.E., Anurag Group of Institutions, Hyderabad	LUNCH BREAK	**Types of Research & Scope** **By** **Dr. S. Madhu** Professor, Dept. of M.E., Anurag Group of Institutions, Hyderabad	TEA BREAK	**Data and its Relevance** By **Dr. S. Ramacharan** Dept. of IT, G. Narayanamma Institute of Technology & Science, Shaikpet, Hyderabad
06-08-2019 Monday	**Validation and Research Outcome** **By** **Dr. T. Satyasavithri** Professor, Dept. of ECE, JNTUHCEH Hyderabad		**Morals and Ethics** By **Dr. Pradeep Ramancherla** Registrar, IIIT, Hyderabad		**Project Proposals and Funding Opportunities** By **Dr. K. Venkateswara Rao** Professor, CNST, IST, JNTUH Hyderabad		**Research and Academic Ethics** By **Dr. B. Venkateswara Rao** Director, IST, JNTUH, Hyderabad
07-08-2019 Monday	**Multi Disciplinary Research – A Case Study** **By** **Sri A.V. Maruti Sairam** Scientist 'E' & Head, HRD Research Centre Imarat (RCI), Hyderabad		**Multi Disciplinary Research – A Case Study** **By** **Sri A.V. Maruti Sairam** Scientist 'E' & Head, HRD Research Centre Imarat (RCI), Hyderabad		**IPR & Patent Filing** By **Mr. M. Vijay Kumar** IP Consultant, IPTM, Hyderabad		**IPR & Patent Filing** By **Mr. M. Vijay Kumar** IP Consultant, IPTM, Hyderabad
08-08-2019 Monday	**Content Search Methods for Research** By **Dr. T.R. Vijaya Lakshmi** Dept. of ECE, Mahatma Gandhi Inst. of Technology, Hyderabad		**Research Ethics – Plagiarism – Do's and Don'ts** By **Dr. T.R. Vijaya Lakshmi** Dept. of ECE, Mahatma Gandhi Inst. of Technology, Hyderabad		**Data in the context of Internet revolution** By **Sri Praveen Chandahas** Tech Lead, GSPAN, Hyderabad		**Technical Report Writing** By **Dr. P. Bhramara** Professor, Dept. Mech. Engg., JNTUHCEH, Hyderabad
09-08-2019 Monday	**Copyright and Copyleft** By **Dr. M. Swamydas** Professor & Head, Dept. of CSE CBIT, Hyderabad		**Multi Disciplinary Research Experiences** **By** **Dr. V. Hima Bindu** Head, Centre for Environment, IST, JNTUH, Hyderabad		**IPR Laws and Relevance in the contemporary World** By **Dr. L. Pratap Reddy** Professor, Dept. of ECE, JNTUHCEH, Hyderabad		**IPR Laws and Relevance in the contemporary World** By **Dr. L. Pratap Reddy** Professor, Dept. of ECE, JNTUHCEH, Hyderabad

AICTE sponsored Five Day Faculty Development Programme on
"Research Methodology & IPR"
(05-08-2019 to 09-08-2019)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Dr. S. Madhu Professor, Dept. of M.E., Anurag Group of Institutions, Hyderabad	Identification of Research Problems Types of Research & Scope	9959626210	smadhumech@cvsr.ac.in salumari@gmail.com
2	Dr. S. Ramacharan Dept. of IT, G. Narayanamma Institute of Technology & Science Shaikpet, Hyderabad	Data and its Relevance	9440448924	s.ramacharan@gnits.ac.in s.ramacharan@gmail.com
3	Dr. T. Satyasavithri Professor, Dept. of ECE, JNTUHCEH Hyderabad	Validation and Research Outcome	9866706183	tirumalasatya@jntuh.ac.in
4	Dr. Pradeep Ramancherla Registrar IIIT, Hyderabad	Morals and Ethics	9391131199	ramancharla@iiit.ac.in
5	Dr. K. Venkateswara Rao Professor, CNST, IST, JNTUH Hyderabad	Project Proposals and Funding Opportunities	9440858664	kalagadda2003@jntuh.ac.in
6	Dr. B. Venkateswara Rao Director, IST, JNTUH, Hyderabad	Research and Academic Ethics	9849585290	cwr_jntu@yahoo.com
7	Sri A.V. Maruti Sairam Scientist 'E' & Head, HRD Research Centre Imarat (RCI), Hyderabad	Multi Disciplinary Research – A Case Study	9440986386	maru@rci.drdo.in
8	Mr. M. Vijay Kumar IP Consultant, IPTM, Hyderabad	IPR & Patent Filing	9700029123	vijay.iptm@gmail.com
9	Dr. T.R. Vijaya Lakshmi Dept. of ECE, Mahatma Gandhi Inst. of Technology, Hyderabad	Content Search Methods for Research Research Ethics – Plagiarism – Do's and Don'ts	9490019191	vijaya.chintala@mgit.ac.in vijaya.chintala@gmail.com

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
10	Sri Praveen Chandahas Tech Lead, GSPAN, Hyderabad	Data in the context of Internet revolution	7660010621	chandrahas@swecha.net
11	Dr. M. Swamydas Professor & Head, Dept. of CSE CBIT, Hyderabad	Copyright and Copyleft	9490475959	msdas@cbit.ac.in msdas@swecha.net
12	Dr. P. Bhramara Professor, Dept. Mech. Engg., JNTUHCEH, Hyderabad	Technical Report Writing	9848117630	bhramara74@jntuh.ac.in
13	Dr. V. Hima Bindu Head, Centre for Environment, IST, JNTUH, Hyderabad	Multi Disciplinary Research Experiences	9849692838	drvhimabindu@gmail.com
14	Dr. L. Pratap Reddy Professor, Dept. of ECE, JNTUHCEH, Hyderabad Course Coordinator	IPR Laws and Relevance in the contemporary World	9490098012	prataplr@jntuh.ac.in
15	Dr. M. Ahsa Rani Professor, Dept. of ECE, JNTUHCEH, Hyderabad Course Coordinator	-	9848564860	ashajntu1@jntuh.ac.in

AICTE sponsored Five Day Faculty Development Programme on

"Research Methodology and IPR"

(05-08-2019 to 09-08-2019)

List of Participants:

S. No	Name	Designation, Dept., and College Address
1	E. Hemalatha	Assistant Professor, Dept. of CSE, JNTUH CEH, Kukatpally, Hyderabad, T.S.
2	M.A. Gaffar	Assistant Professor, Dept. of Mechanical Engineering, JNTUH CEH, Kukatpally, Hyderabad, T.S.
3	Narmala Vikas	Assistant Professor (c), Dept. of Mechanical Engineering, JNTUH CEH, Kukatpally, Hyderabad, T.S.
4	Dr. Vanam Murali Krishna	Assistant Professor, Dept. of CSE, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
5	A. Renuka	Assistant Professor (c), Dept. of CSE, JNTUH CEH, Kukatpally, Hyderabad, T.S.
6	M. Deepthi	Assistant Professor, Dept. of IT, G. Narayanamma Institute of Technology & Science, Shaikpet, Hyderabad, T.S.
7	M. Sreevalli	Assistant Professor, Dept. of Basic Sciences, G. Narayanamma Institute of Tech. & Science, Shaikpet, Hyderabad, T.S.
8	B. Dhanalaxmi	Assistant Professor, Dept. of Civil Engineering, Malla Reddy Engineering College (A), Maisammaguda, Secunderabad, T.S.
9	Arun Kumar Kandru	Assistant Professor, Dept. of CSE, Malla Reddy Engineering College (A), Maisammaguda, Secunderabad, T.S.
10	Dr. Kishore Pinninti	Assistant Professor, Dept. of ECE, VNR VJIET, Bachupally, Nizampet, Hyderabad, T.S.
11	V. Sri Lakshmi Vani	Assistant Professor, Dept. of EEE, Bhoj Reddy Engineering College for Women, Saidabad, Hyderabad, T.S.
12	Dr. S. Venkat Prasat	Professor, Dept. of Mechanical Engg., Nalla Malla Reddy Engineering College, Kachavamsingaram post, Hyderabad, T.S.
13	Shyamu Veeramalla	Assistant Professor, Dept. of Mechanical Engineering, Guru Nanak Institutions Technical Campus, Khanpur, Ibrahimpatnam, T.S.
14	A. Anitha	Sr. Assistant Professor, Dept. of ECE, CVR College of Engineering, Vastunagar, Ibrahimpatnam, R.R. Dist. T.S.
15	P. Kavitha	Associate Professor, Dept. of ECE, CVR College of Engineering, Vastunagar, Ibrahimpatnam, R.R. Dist. T.S.
16	Dasari Srinivasulu	Associate Professor, Dept. of EEE, Vardhaman College of Engineering, Kacharam, Samshabad, Hyderabad, T.S.
17	P. Thanuja	Assistant Professor, Dept. of EEE, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
18	Dr. G. Amarnath	Associate Professor, Dept. of ECE , Marri Laxman Reddy Institute of Technology & Management, Dundigal, Hyderabad, T.S.

S. No	Name	Designation, Dept., and College Address
19	Dr. T. Rajesh	Professor, Dept. of EEE, Malla Reddy Engineering College, Maisammaguda, Secunderabad, T.S.
20	V.R. Seshagiri Rao	Professor, Dept. of ECE , Institute of Aeronautical Engineering, Dundigal, Hyderabad, T.S.
21	Dr. Vinod A.	Associate Professor, Dept. of EEE, Marri Laxman Reddy Institute of Technology & Management, Dundigal, Hyderabad, T.S.
22	Mr. M. Siddhartha	Assistant Professor, Dept. of Humanities & Sciences, Vardhaman College of Engineering, Samshabad, Hyderabad, T.S.
23	Mr. B. Chandra Sekhar	Assistant Professor, Dept. of Humanities & Sciences, Vardhaman College of Engineering, Samshabad, Hyderabad, T.S.
24	Sravanthee S.	Assistant Professor, Dept. of Mechanical Engineering, JNTUH CEH, Kukatpally, Hyderabad, T.S.
25	A. Rambabu	Assistant Professor, Dept. of MBA, Anurag Group of Institutions (CVSR), Venkatapur, Ghatkesar, Medchal, Hyderabad, T.S.
26	Purushotham Theegala	Assistant Professor, Dept. of Chemical Engineering, Anurag Group of Institutions (CVSR), Venkatapur, Ghatkesar, Hyderabad, T.S.
27	Nandru Rama	Assistant Professor, Dept. of Chemical Engineering, Anurag Group of Institutions (CVSR), Venkatapur, Ghatkesar, Hyderabad, T.S.
28	Avinash Pachori	Assistant Professor, Dept. of Mechanical Engineering, Narsimha Reddy Engineering College, Maisammaguda, Secunderabad
29	Dr. A. Pramod Kumar	Assistant Professor, Dept. of ECE, Vardhaman College of Engineering, Samshabad, Hyderabad, T.S.
30	Sampath Korra	Assistant Professor, Dept. of CSE, Siddhartha Institute of Technology & Sciences, Narapally, Ghatkesar, Medchal, Hyderabad, T.S.
31	Dr. Parvesh Kumar	Assistant Professor, Dept. of Mechanical Engineering, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
32	G. Koteswar Rao	Assistant Professor, Dept. of ECE, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
33	V. Manohar	Assistant Professor, Dept. of ECE, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
34	Dr. B. Vijay	Assistant Professor, Dept. of MBA, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
35	B.V. Rajiv Vinayak	Assistant Professor, Dept. of Civil Engineering, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
36	K. Krishna Teja	Assistant Professor, Dept. of Civil Engineering, Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
37	Dr. S. Manthandi Periannasamy	Professor, Dept. of ECE, Malla Reddy Engineering College for Women, Maisammaguda, Secunderabad, T.S.
38	Dr. N.K. Kuppuchamy	Professor, Dept. of IT, Malla Reddy Engineering College for Women, Maisammaguda, Secunderabad, T.S.

S. No	Name	Designation, Dept., and College Address
39	Dr. B. Lokeswara Rao	Professor, Dept. of ECE & Dean, CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, T.S.
40	S. Pochaiah	Associate Professor & Head, Dept. of Mechanical Engineering, Indur Institute of Engineering & Technology, Ponnala, Siddipet, T.S.
41	M.N. Shahenaaz Sulthana	Assistant Professor, Dept. of CSE, JNTUH CEH, Kukatpally, Hyderabad, T.S.
42	Dr. Naresh Guduru	Associate Professor, Dept. of MBA, Balaji Institute of Technology & Science, Narsampet, Warangal, T.S.
43	V. Sampath Kumar	Assistant Professor, Dept. of EEE, Bharath Institute of Engineering & Technology, Mangalpally, Ibrahimpatnam, R.RR. Dist., T.S.
44	G. Karunakar Reddy	Assistant Professor, EEE, Bharath Institute of Engineering & Technology, Mangalpally, Ibrahimpatnam, R.RR. Dist., T.S.
45	DR. J. Bhagawan Reddy	Assistant Professor, EEE, Bharath Institute of Engineering & Technology, Mangalpally, Ibrahimpatnam, R.RR. Dist., T.S.
46	Poonamganesh Swami	Assistant Professor, Dept. of ECE, KG Reddy College of Engineering & Technology, Chilkur, Moinabad, Hyderabad, T.S.
47	Amararapu Karunakar	Assistant Professor, Dept. of EEE, Gandhi Academy of Technology Education, Ramapuram, Chilkur, Suryapeta, T.S.
48	Dr. H. Narasimha Rao	Assistant Professor, Dept. of EEE, Sri Sai Educational Societies Group of Institutions, Ramapuram, Chilkur, Suryapet Dist., T.S.
49	D. Jagan	Assistant Professor, Dept. of EEE, Gandhi Academy of Technology Education, Ramapuram, Chilkur, Suryapeta, T.S.
50	Dr. Banavath Venkteshwarlu	Associate Professor, Dept. of EEE, Gandhi Academy of Technology Education, Ramapuram, Chilkur, Suryapeta, T.S.
51	Y. Shiva Kumar	Assistant Professor, Dept. of EEE, Gandhi Academy of Technology Education, Ramapuram, Chilkur, Suryapeta, T.S.
52	Neelakantam Sateesh	Assistant Professor, Dept. of EEE, Gandhi Academy of Technology Education, Ramapuram, Chilkur, Suryapeta, T.S.
53	Mrs. C. Esther Varma	Associate Professor, Dept. of CSE, Geethanjali College of Engineering & Technology (A), Cheeryal, Keesara, Medchal, T.S.
54	B. Uppalamallu	Assistant Professor, Dept. of ECE, Noble College of Engineering & Technology for Women, Nadergul, Saroornagar, R.R. Dist., T.S.
55	M. Radha Kumari	Assistant Professor, Dept. of Chemical Engineering, B.V. Raju Institute of Technology, Narsapur,

- **55 participants have registered for the program, out of which 40 were successfully completed the program.**

AICTE sponsored Five Day Faculty Development Programme on

"Research Methodology and IPR"

(05-08-2019 to 09-08-2019)

REPORT:

The AICTE sponsored 5 - Day faculty development program (FDP) on "Research Methodology and IPR" was conducted at UGC – HRDC, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, during 05-09 August, 2019.

The major objectives of the Faculty Development Programme were:

- To understand the purpose of research and Identification of Research Problems
- How to do review of literature
- To make participants familiar with techniques of different research approaches
- Writing project proposals and awareness about funding opportunities for research scholars
- Facilitate researchers in writing thesis work
- To make the participants familiar with the patents, copy left and copy right etc.

A total number of 55 participants have registered for the program, out of which 40 were successfully completed the program.

The first day forenoon and post lunch sessions are on the topics "Identification of Research Problems" and "Types of Research & Scope" by Dr. S. Madhu, Professor, Dept. of Mechanical Engineering, Anurag Group of Institutions, Hyderabad. The session mainly focused on the basic aspects of research, Types of Research on the basis of various parameters and characteristics. He made the session interactive based on various examples for better understanding of the participants. Afternoon second session is on "Data and its Relevance" by Dr. S. Ramacharan, Dept. of IT, G. Narayanamma Institute of Technology & Science, Hyderabad.

The first session on Day-2 is "Validation and Research Outcome" by Dr. T. Satya Savithri, Professor of ECE, JNTUH CEH, Hyderabad. Participants were made to understand the differences between testing and scaling using examples and the session ended with the discussion on the various tools or instruments used for data collection and understanding the tests they have

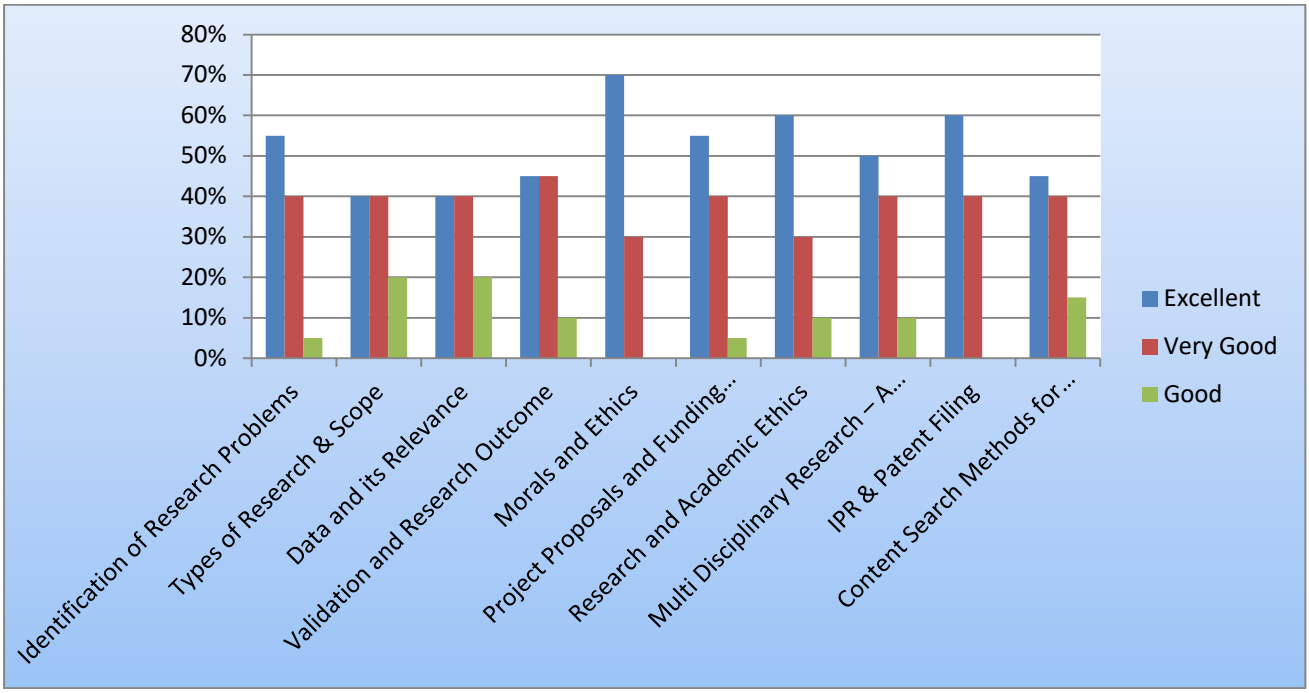
to be put through to validate the research process. The second session on Day-2 is on "Morals & Ethics" by Dr. Pradeep Kumar Ramancharla, Professor & Registrar, IIIT, Hyderabad. The post lunch session on Day-2 is on "How to write Project Proposals and Funding Opportunities" by Dr. K. Venakteswara Rao, Professor, Centre for Nano Science and Technology, IST, JNTUH. He gave a brief overview on how to write the research proposals and also the funding opportunities available to Indian research scholars. The last session of day-2 is on "Research and Academic Ethics" by Dr. B. Venakteswara Rao, Professor & Director, Institute of Science & Technology, JNTUH. The expert deliberates the unethical practices ongoing in research scenario and also the session provides the participants the Safety, privacy and confidentiality of information in research work by adopting ethical procedures etc.

The forenoon session of Day-3 was handled by Sri A.V Maruti Sriram, Scientist 'E'& Head, HRD Research Centre, RCI Hyderabad on the topic "Multi Disciplinary Research -A Case Study". The afternoon session is on "IPR & Patent Filing" by Mr. M. Vijay Kumar, IP Consultant, IPTM, Hyderabad.

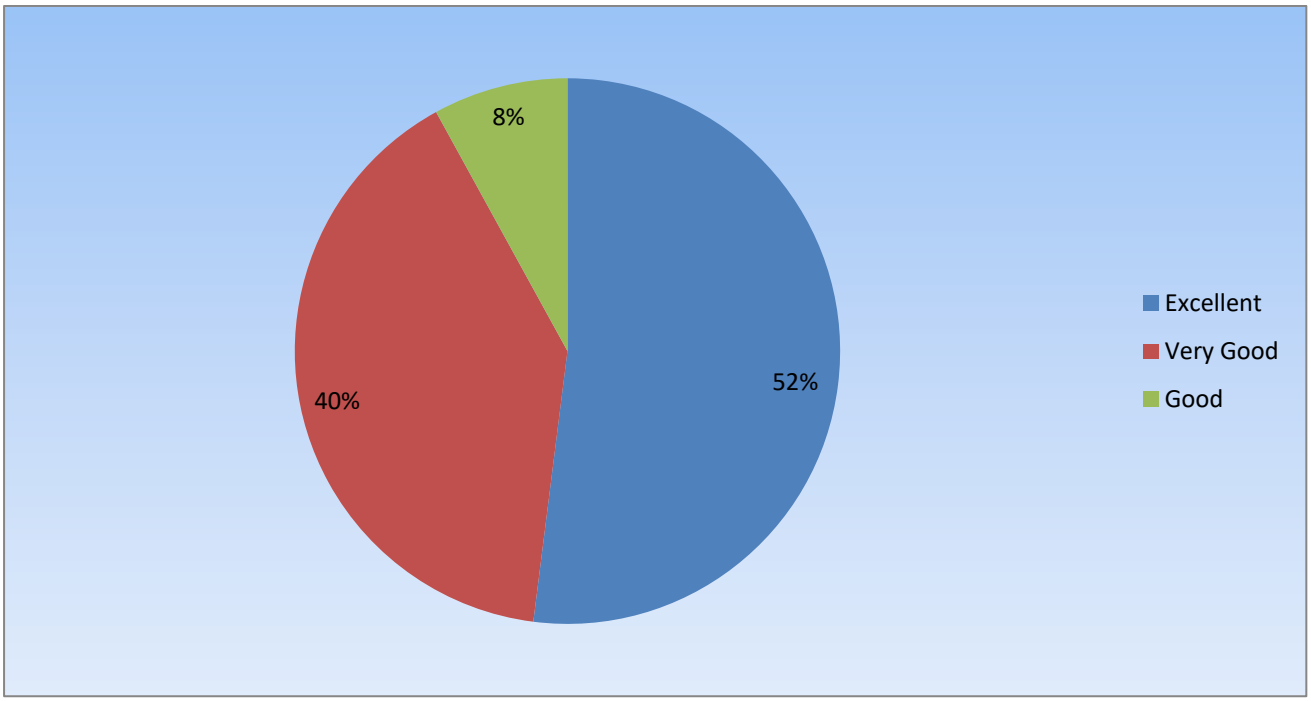
The Fore noon session on Day-4 is on "Content search methods for Research" and "Plagiarism – Do's and Don'ts" by Dr. T.R. Vijaya Lakshmi, Dept. of ECE, Mahatma Gandhi Institute of Technology, Hyderabad. The Post lunch session is on "Data in the context of internet revolution" by Sri Praveen Chandahas, Tech Lead, GSPAN, Hyderabad. The last session was handled by Dr. P. Bhramara, Professor, Dept. of Mechanical Engineering, JNTUHCEH on the topic "Technical Report Writing".

The first session on day-5 is on "Copyright and Copyleft" by Dr. M. Swamydas, Professor & Head, Dept. of CSE, Chaitanya Bharathi Institute of Technology, Hyderabad. The pre-lunch session is on "Multi Disciplinary Research Experiences" by Dr. V. Hima Bindu, Head, Centref or Environment, IST, JNTUH, Hyderabad. The post lunch session is on "IPR Laws and Relevance in the contemporary World" by Dr. L. Pratap Reddy, Professor of ECE, JNTUHCEH, Hyderabad.

Session wise feedback



Overall Program Feedback



Faculty Development Programme on

"Power Systems"

(23-09-2019 to 27-09-2019)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State,INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Power Systems",** at UGC –Human Resource Development Centre, JNTU Hyderabad during the period **23-09-2019 to 27-09-2019**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar / Principal / Director with Seal

Place:
Date :

Note to Sponsoring Authority:

- It is mandatory that the sponsored teachers, **if selected,** should be deputed for the Course.

Boarding and Lodging:

Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:

The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:

UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application at UGC - HRDC, JNTUH, Hyderabad : **17-09-2019**

Intimation of Selection to the candidates through e-mail/web/letter : **18-09-2019**

Program Commencement : **23-09-2019**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

web: www.jntuhhrdc.in

Faculty Development Programme on

"Power Systems"

(23-09-2019 to 27-09-2019)

Sponsored by

All India Council for Technical Education

Coordinator

Dr. A. Jayalaxmi
Professor, Dept. of EEE
JNTUHCEH, Kukatpally, Hyderabad

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

The Constituent Engineering Colleges and Units/Schools of JNTUH are offering B.Tech. in 9 branches, M.Tech in 27 specializations, M.Pharmacy in 3 specializations, M.Sc. in 4 specializations, MBA and MCA, and Five-year Integrated Dual Degree Masters Programme in 10 specializations with M.Tech./MBA. Additionally, MS, M.Phil and Ph.D programmes in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with many International and National organizations/universities/ institutions/industries.

Objectives: The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society.

During the current academic year 2019-20, a five day Faculty Development Programme on **"Power Systems"** is proposed to be organized during **23-09-2019 to 27-09-2019,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first -come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty members from the Dept. of E.E.E. and related disciplines.**
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:
There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.
If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Thermal Power Stations**
- **Hydroelectric Power Stations**
- **DC & AC Distribution Systems**
- **Substations – different types**
- **Economic aspects**

Resource Persons are drawn from JNTUH, IIIT Hyderabad, Swecha, Amazon, TCS and other Universities, Industries and R&D organizations.

APPLICATION FORM

Faculty Development Programme on "Power Systems"

(23-09-2019 to 27-09-2019)

Name: ……

Date of Birth & Age: ……

Gender (M / F): ……

Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……..

Designation :
Department:
Pay Scale & Present Basic :

Institution :
Affiliating University:

Address for Communication:
……
……
……

College Address:
……
……

Phones Nos:
(O)……
(R)……

MOBILE:…… Fax:……

E - mail ID: ……

Accommodation Required? YES / NO

AICTE sponsored Faculty Development Programme on

"Power Systems"

(23-09-2019 to 27-09-2019)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
23-09-2019 Monday	**Overview of Indian Power Sector** **By** **Dr. Y. Pradeep Kumar** Assoc. Professor, Dept. of EEE., IIT Hyderabad		**Flexible Operation of thermal Generation to facilitate Renewable Integration** **By** **Dr. Y. Pradeep Kumar** Assoc. Professor, Dept. of EEE., IIT Hyderabad		**Campus Energy Monitoring Systems** **By** **Dr. Y. Pradeep Kumar** Assoc. Professor, Dept. of EEE., IIT Hyderabad		**Cost Benefit Analysis of Rooftop PU Systems** **By** **Dr. Y. Pradeep Kumar** Assoc. Professor, Dept. of EEE., IIT Hyderabad
24-09-2019 Tuesday	**Insulation & Cables** by **Dr. D.M. Vinod Kumar** Professor, Dept. of Electrical Engineering, NIT, Warangal		**Insulation & Cables** By **Dr. D.M. Vinod Kumar** Professor, Dept. of Electrical Engineering, NIT, Warangal		**Reactive Power Control** By **Dr. D.M. Vinod Kumar** Professor, Dept. of Electrical Engineering, NIT, Warangal		**Blackouts in Power Grid** By **Dr. D.M. Vinod Kumar** Professor, Dept. of Electrical Engineering, NIT, Warangal
25-09-2019 Wednesday	**Generation Technologies : Past to present Technologies** **By** **Dr. Ch. Krishna Bhanu** Professor, EEE, Gayathri Vidya Parishadh College of Engineering (A), Visakhapatnam	**TEA BREAK**	**Generation Technologies : Past to present Technologies** **By** **Dr. Ch. Krishna Bhanu** Professor, EEE, Gayathri Vidya Parishadh College of Engineering (A), Visakhapatnam	**LUNCH BREAK**	**Economics of Generation** **By** **Dr. Ch. Krishna Bhanu** Professor, EEE, Gayathri Vidyya Parishat College of Engineering (A), Visakhapatnam	**TEA BREAK**	**Economics of Generation** **By** **Dr. Ch. Krishna Bhanu** Professor, EEE, Gayathri Vidyya Parishat College of Engineering (A), Visakhapatnam
26-09-2019 Thursday	**DC Distribution System** By **Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore		**DC Distribution System** By **Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore		**AC Distribution System** By **Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore		**AC Distribution System** By **Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore
27-09-2019 Friday	**Practical implementation in Distribution System** By **Sri M. Surya Narayana** Divisional Engineer, TSSPDCL, Hyderabad		**Practical implementation in Distribution System** By **Sri M. Surya Narayana** Divisional Engineer, TSSPDCL, Hyderabad		**Morals and Ethics** **By** **Dr. Pradeep Kumar Ramancharla** Registrar, IIIT, Hyderabad		**Morals and Ethics** **By** **Dr. Pradeep Kumar Ramancharla** Registrar, IIIT, Hyderabad

AICTE sponsored Faculty Development Programme on
"Power Systems"
(23-09-2019 to 27-09-2019)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Dr. Y. Pradeep Kumar Assoc. Professor, Dept. of EEE., IIT Hyderabad	Overview of Indian Power Sector	8374993999	ypradeep@iith.ac.in
		Flexible Operation of thermal Generation to facilitate Renewable Integration		
		Campus Energy Monitoring Systems		
		Cost Benefit Analysis of Rooftop PU Systems		
2	Dr. D.M. Vinod Kumar Professor, Dept. of Electrical Engineering, NIT, Warangal	Insulation & Cables	9885294521	vinodkumar.dm@gmail.com
		Reactive Power Control		
		Blackouts in Power Grid		
3	Dr. Ch. Krishna Bhanu Professor, EEE, Gayathri Vidya Parishadh College of Engineering (A), Visakhapatnam	Generation Technologies : Past to present Technologies	9490748736	bhanucvk@hotmail.com
		Economics of Generation		
4	Dr. K. Uma Rao Professor of EEE, RVR College of Engineering, Bangalore	DC Distribution System	9980909893	umarao_k@yahoo.co.in
		AC Distribution System		
5	Sri M. Surya Narayana Divisional Engineer, TSSPDCL, Hyderabad	Practical implementation in Distribution System	9440815606	-
6	Dr. Pradeep Kumar Ramancharla Registrar, IIIT, Hyderabad	Morals and Ethics	9391131199	ramancharma@iiit.ac.in
7	Dr. A. Jayalaxmi Professor of EEE JNTUHCEH, Hyderabad	(Course Coordinator)	9440569949	ajl1994@jntuh.ac.in

AICTE – Sponsored Five Days Faculty Development Programme on

"Power Systems"

(23-09-2019 to 27-09-2019)

List of Participants:

S No	Name of the Participant	Designation & Department	College name with full address
1	G. Divya	Assistant Professor, Dept. of EEE	CVR College of Engineering, Hyderabad, T.S.
2	Ch. Siva Kumar	Assistant Professor, Dept. of EE	University College of Engineering, Osmania University, Hyderabad, T.S.
3	G.V. Naga Lakshmi	Assistant Professor, Dept. of EE	University College of Engineering (A), Osmania University, Hyderabad, T.S.
4	P. Soumya	Senior Assistant Professor, Dept. of EEE	S R Engineering College, Warangal, T.S.
5	M. Mehatab	Assistant Professor, Dept. of EEE	Methodist College of Engineering & Technology, Abids, Hyderabad, T.S.
6	C.H.V. Ganesh	Assistant Professor, Dept. of EEE	St. Peter's Engineering College, Maisammguda, Hyderabad, T.S.
7	Ansar Shaik	Assistant Professor, Dept. of EEE	St. Peter's Engineering College, Maisammguda, Hyderabad, T.S.
8	C. Sreenivasulu	Associate Professor, Dept. of EEE	Teegala Krishna Reddy Engineering College, Meerpet, Hyderabad, T.S.
9	Kolipaka Subhash	Assistant Professor, Dept. of EEE	Teegala Krishna Reddy College of Engineering & Technology, Meerpet, Hyderabad, T.S.
10	Ganesh Kattela	Assistant Professor, Dept. of EEE	Teegala Krishna Reddy College of Engineering & Technology, Meerpet, Hyderabad, T.S.
11	N. Siva Mallikarjuna Rao	Assistant Professor, Dept. of EEE	GITAM, Hyderabad, T.S.
12	B. Soujanya	Assistant Professor, Dept. of EEE	Geethanjali College of Engineering & Technology, Hyderabad, T.S.
13	Matru Dhanavath	Assistant Professor, Dept. of EEE	Sphoorthy Engineering College, Nadargul, Hyderabad, T.S.
14	Md. Tajuddin	Assistant Professor, Dept. of EEE	Joginpally B.R. Engineering College, Yenkapally, Moinabad, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
15	Sabavath Bala Naik	Assistant Professor, Dept. of EEE	Ashoka Institute of Engineering & Technology, Malkapur, Yadadri Bhuvanagiri Dist., T.S.
16	Chandana P	Assistant Professor, Dept. of EEE	Ashoka Institute of Engineering & Technology, Malkapur, Yadadri Bhuvanagiri Dist., T.S.
17	Gali Sridhar	Assistant Professor, Dept. of EEE	Balaji Institute of Technology & Science, Narsampet, Warangal, T.S.
18	Dr. Idamakanti Kasireddy	Assistant Professor, Dept. of EEE	Vaagdevi College of Engineering, Warangal, T.S.
19	Boda Srinivas	Assistant Professor, Dept. of EEE	Vaagdevi College of Engineering, Warangal, T.S.
20	K. Kranthi Kumar	Assistant Professor, Dept. of EEE	Kommuri Pratap Reddy Institute of Technology, Ghatkesar, Hyderabad, T.S.
21	Chinthamalla Sreenu	Assistant Professor, Dept. of EEE	Netaji Institute of Engineering & Technology, Tooprenpet, Yadadri Bhuvanagiri Dist., T.S.
22	Dr. M. Ramesh	Professor & HOD	Vaageswari College of Engineering, Karimnagar, T.S.
23	Y. Divya	Assistant Professor, Dept. of EIE	CVR College of Engineering, Vasthunagar, Ibrahimpatnam, R.R. Dist., T.S.
24	P. Choudesh Varma	Assistant Professor, Dept. of EIE	CVR College of Engineering, Vasthunagar, Ibrahimpatnam, R.R. Dist., T.S.
25	B. Siva Surya Prasad	Associate Professor, Dept. of EEE	Indur Institute of Engineering & Technology, Siddipet, T.S.
26	V. Ganesh Kumar	Associate Professor, Dept. of EEE	Malla Reddy Engineering College (A), Maisammaguda, Hyderabad, T.S.
27	A. Murali	Assistant Professor, Dept. of EEE	BVRIT, Narsapur, Medak, T.S.
28	P. Kiran	Assistant Professor, Dept. of EEE	KNRCER, Hayat Nagar, Hyderabad, T.S.
29	I. Kranti Kiran	Associate Professor, Dept. of EEE	MVGR College of Engineering, Vizianagaram, A.P.
30	M. Rupesh	Assistant Professor, Dept. of EEE	BVRITH, Bachupally, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
31	Ritesh Kumar	Assistant Professor, Dept. of EEE	S R Engineering College, Warangal, T.S.
32	R. Shashi Kumar Reddy	Assistant Professor, Dept. of EEE	Sumathi Reddy Institute of Technology for Women, Warangal, T.S.
33	Dr. D. Raja Reddy	Assistant Professor, Dept. of EEE	Malla Reddy Engineering College (A), Maisammaguda, Hyderabad, T.S.
34	B. Venugopal Reddy	Associate Professor, Dept. of EEE	Sri Venkateswara Engineering College, Suryapet, T.S.
35	Y. Prathap Kumar	Assistant Professor, Dept. of EEE	Priyadarshini Institute of Science & Technology for Women, Khammam, T.S.
36	Dr. Nireekshana Turaka	Associate Professor, Dept. of EEE	VNR Vignana Jyothi Institute of Engineering & Technology, Nizampet, Hyderabad, T.S.
37	Mrs. M. Sharanya	Associate Professor, Dept. of EEE	Brilliant Grammar School Educational Society of Institutions, Abdullapur, R.R. Dist., T.S.
38	K. Pandu Kumar	Assistant Professor, Dept. of EEE	G. Narayanamma Institute of Technology & Science for Women, Shaikpet, Hyderabad, T.S.
39	G. Eswaraiah	Assistant Professor, Dept. of EEE	Teegala Krishna Reddy Engineering College, Meerpet, Hyderabad, T.S.
40	B. Rajesh Khanna	Assistant Professor (C), Dept. of EEE	JNTUH CEH, Kukatpally, Hyderabad, T.S.
41	K. Krushna Murthy	Assistant Professor, Dept. of EEE	G. Narayanamma Institute of Technology & Science for Women, Shaikpet, Hyderabad, T.S.
42	Venkatesh Thoorpati	Academic Consultant, Dept. of EEE	University College of Engineering & Technology, Kakatiya University, Warangal, T.S.
43	Dr. S. Jayalakshmi	Professor, HOD, Dept. of EEE	Ramachandra College of Engineering, Eluru, A.P.
44	Srujit Ganga	Assistant Professor, Dept. of EEE	Indur Institute of Engineering & Technology, Siddipet, T.S.
45	D. Rajani Kumar	Assistant Professor, Dept. of EEE	Jayamukhi Institute of Technological Science, Narsampet, Warangal, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
46	Boda Naresh	Assistant Professor, Dept. of EEE	Jayamukhi Institute of Technological Science, Narsampet, Warangal, T.S.
47	Ramavath Hussain	Assistant Professor, Dept. of EEE	AAR Mahaveer Engineering College, Bandlaguda, Hyderabad, T.S.
48	Ramana Reddy	Associate Professor, Dept. of EEE	G. Naranayamma Institute of Technology & Science, Shaikpet, Hyderabad, T.S.
49	Perumandla Sadanandam	Associate Professor, Dept. of EEE	Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
50	Marri Mallesham	Assistant Professor, Dept. of EEE	J.B. Institute of Engineering & Technology, Moinabad, Hyderabad, T.S.
51	Shahbazuddin Syed	Assistant Professor, Dept. of EEE	Vaagdevi Engineering College, Bollikunta, Warangal, T.S.
52	Shankar Janagama	Associate Professor, Dept. of EEE	Annamacharya Institute of Technology, Batasingaram, R.R. Dist., T.s.
53	K. Sridhar	Assistant Professor, Dept. of EEE	Samskruti College of Engineering, Hyderabad, T.S.
54	Venubabu Pasam	Assistant Professor, Dept. of	J.B. Institute of Engineering & Technology, Moinabad, Hyderabad, T.S.

- **54 Participants have registered for the programme out of which 41 participants were successfully completed the Program.**

AICTE sponsored Five Day Faculty Development Programme on

"Power Systems"

(23-09-2019 to 27-09-2019)

REPORT:

The AICTE sponsored 5 - Day Faculty Development Program (FDP) on "Power Systems" was conducted at UGC – HRDC, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, during 23rd – 27th, September, 2019, with an aim of imparting concepts and developing teaching skills to the faculty members who have taught, are teaching and going to teach the course on Power Systems for B.Tech EEE students. 54 participants have registered for the programme through online and 41 participants have successfully completed the course.

The major topics that were covered in the program are:

- Thermal Power Stations
- Hydroelectric Power Stations
- DC & AC Distribution Systems
- Different types of Substatyions
- Economic aspects and tariffs

A Total numner of 54 Participants have registered for the programme out of which 41 participants were successfully completed the Program

Day-1: The first day forenoon and afternoon sessions were handled by Dr. Y. Pradeep Kumar, Associate Professor, Dept. of EEE, IIT Hyderabad on the topics "Overview of Indian Power Sector", "Flexible Operation of Thermal Generaton to facilitate Renewable Integration", "Campus

Energy Monitoring Systems" and "Cost benefit analysis of Rooftop PU Systems". He gave an insight on Institutional Framework and NIST smart grid domains of Indian Power Sector. He also covered by giving an the overview of Generation, Transmission and Distribution Sector.

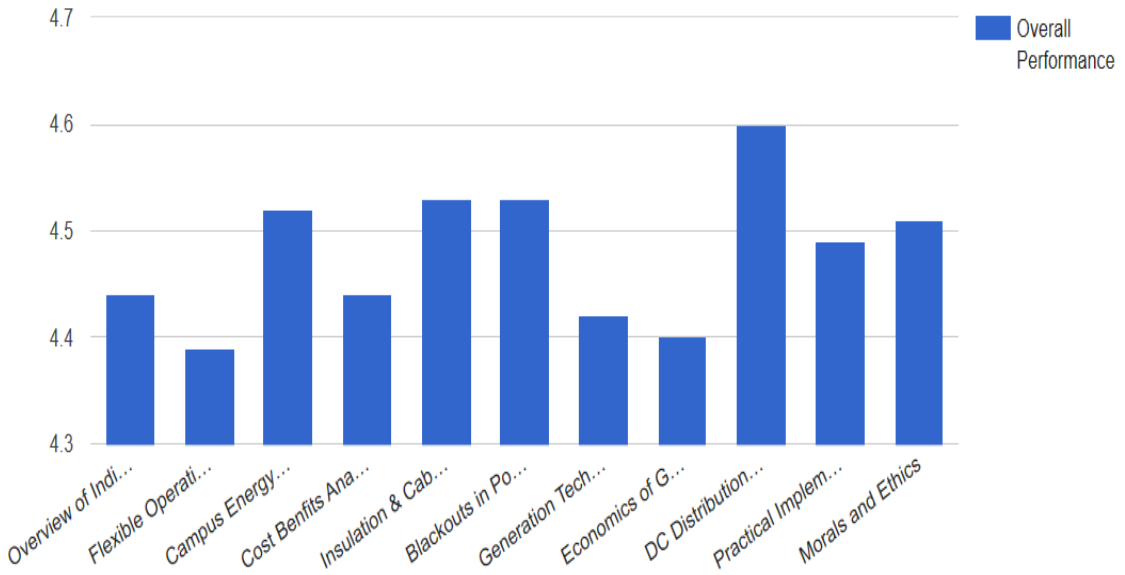
Day-2: Dr. D.M. Vinod Kumar, Professor, Dept. of Electrical Engineering, NIT, Warangal, has delivered four sessions on day-2 on the topics "Insulation and Cables", "Reactive Power Control" and Blackouts in Power Grid". He also has given an overview of Artificial Intelligence and also its applications to Power Systems.

Day-3: Dr. Ch. Krishna Bhanu, Professor, Dept. of EEE, Gayathri Vidya Parishad College of Engineering (A), Visakhapatnam, A.P., has delivered the sessions on day-3. The topics covered are "Generaton Technologies: Past, Present and Future" and "Economics of Generation". He has explained about the Hydro Eelctric Power Generation, Thermal Power Generation, Nuclear Power Generation, Generation of Renewable Enery and its advancements in new technologies and Distributed Energy Technologies.

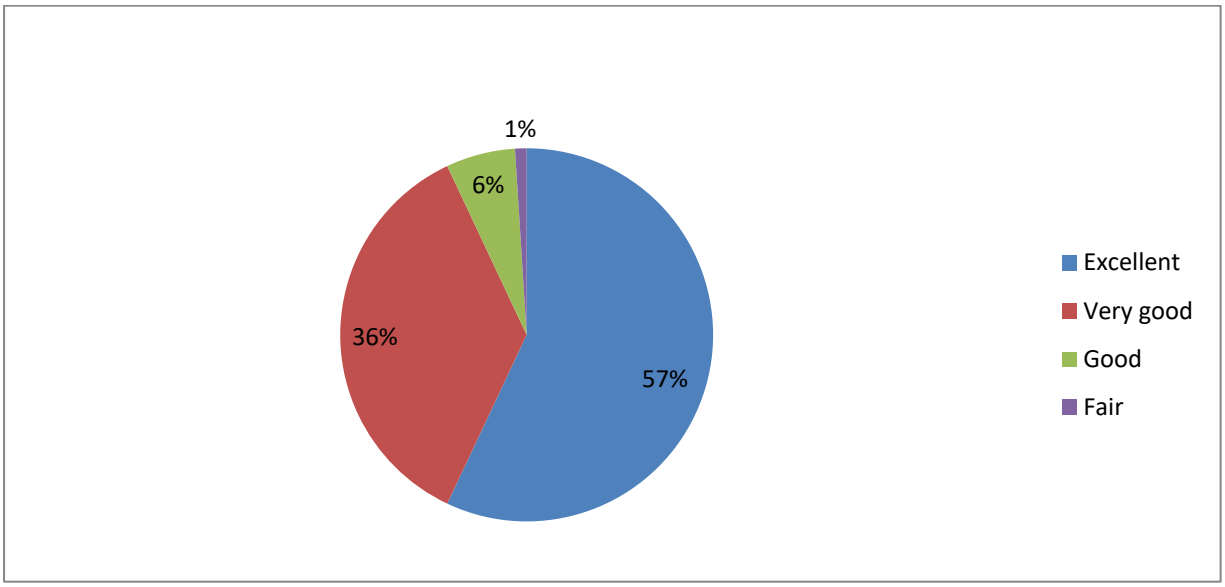
Day-4: Dr. K. Uma Rao, Professor of EEE, RVR College of Engineering, Bangalore has delivered the sessions on "DC Distribution System" and "AC Distribution Systems". The topics covered are: Introduction: Requirements and classification of distribution systems, AC distribution: Primary and secondary distribution systems, Primary distribution systems: Radial feeders, parallel feeders, loop feeders and interconnected or mesh systems, Secondary distribution: Single phase two wire and three phase four wire system, AC distributors with concentrated and uniform loads, Effect of disconnection of neutral in three phase four wire system, DC distribution with concentrated load, DC distribution with uniform load.

Day-5: The Forenoon session on day-5 is on the topic "Practical implementation in Distribution System" by Sri M. Surya Narayana, Divisional Engineer, TSSPDCL, Hyderabad. He gave an insight on Telangana State Power Generation, Present power scenario, Load forecasting, Transmission and Distribution Licenses and future plans of Transmission and Distribution. The afternoon session on day-5 was handled by by Dr. Pradeep Kumar Ramancharla, Professor and Registrar, IIIT, Hyderabad on "Ethics and Morals". He discussed about the challenges and problems faced by faculty in present days and how to self realize on relationships with self, family, society and nature.

Session wise feedback on 5 point scale



Overall programme feedback



Faculty Development Programme on

"Artificial Neural Networks & Deep Learning"

(04-11-2019 to 08-11-2019)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State,INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Artificial Neural Networks & Deep Learning",** at UGC –Human Resource Development Centre, JNTU Hyderabad during the period **04-11-2019 to 08-11-2019**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar / Principal / Director with Seal

Place:
Date :

Boarding and Lodging:
Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:
The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:
UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application : **28-10-2019** at UGC - HRDC, JNTUH, Hyderabad

Intimation of Selection to the candidates through e-mail/web : **29-10-2019**

Program Commencement : **04-11-2019**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Faculty Development Programme on "Artificial Neural Networks & Deep Learning"

(04-11-2019 to 08-11-2019)

Sponsored by

All India Council for Technical Education

Coordinator

Dr. K. Anitha Sheela
Professor & Head
Dept. of ECE
JNTUHCEH, Kukatpally
Hyderabad

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

The Constituent Engineering Colleges and Units/Schools of JNTUH are offering B.Tech. in 9 branches, M.Tech in 27 specializations, M.Pharmacy in 3 specializations, M.Sc. in 4 specializations, MBA and MCA, and Five-year Integrated Dual Degree Masters Programme in 10 specializations with M.Tech./MBA. Additionally, MS, M.Phil and Ph.Dprogrammes in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with many International and National organizations/universities/ institutions/industries.

Objectives:

The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society.

During the current academic year 2019-20, a five day Faculty Development Programme on **"Artificial Neural Networks & Deep Learning"** is proposed to be organized during **04-11-2019 to 08-11-2019,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first -come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty members from the Dept. of E.C.E and related disciplines.**
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:

There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.

If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Introduction to Artificial Neural Networks**
- **Architecture, Learning Rules**
- **Perception & Back Propagation NN, RBF Networks**
- **Counter Propagation, SOMs, LVQs, Feedback NNs**
- **Introduction to Deep Convolution Neural Networks**
- **Hands on training with Cloud based applications**

Resource Persons are drawn from IITs, NITs, JNTUH and other Universities, Industries and R&D organizations.

APPLICATION FORM
Faculty Development Programme on "Artificial Neural Networks & Deep Learning"

Name: ……

Date of Birth & Age: ……

Gender (M / F): ……

Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……

Designation :

Department:

Pay Scale & Present Basic :

Institution :

Affiliating University:

Address for Communication:

……

……

……

…

College Address:

……

……

Phones Nos:

(O)……

(R)……

MOBILE:…… Fax:……

E - mail ID: ……

Accommodation Required? YES / NO

AICTE Sponsored Five Day Faculty Development Programme on

"Artificial Neural Networks and Deep Learning"

(04-11-2019 to 08-11-2019)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
04-11-2019 Monday	**Inauguration & Introduction to Artificial Neural Networks** **By** **Dr. Anil Kumar V** Assistatn Professor, IIIT Hyderabad	**TEA BREAK**	**Architecture, Learning Rules and Python Programming** **By** **Dr. Anil Kumar V** Assistatn Professor, IIIT Hyderabad	**LUNCH BREAK**	**Single and Multiple layer feed forward Neural Network** **by** **Dr. K. Anitha Sheela** Professor & Head, Dept. of ECE, JNTUHCEH, Hyderabad	**TEA BREAK**	**Introduction to Perception Learning (Single and Multi layer) and Back Propagation neural network** **By** **Dr. K. Anitha Sheela** Professor & Head, Dept. of ECE, JNTUHCEH, Hyderabad
05-11-2019 Tuesday	**Conter Propagation and Self Organization Maps** **By** **Dr. K. Anitha Sheela** Professor & Head, Dept. of ECE, JNTUHCEH, Hyderabad		**LVQs and SVMs** **by** **Dr. S. Nagendra Kumar** Assoc. Professor, SCIS, University of Hyderabad, T.S.		**Recurrent Neural Network and LSTM-I** **By** **Dr. Chakravarthi Bhagavathi** , Professor, Computer Science, UoH		**Recurrent Neural Network and LSTM-II** **by** **Dr. Chakravarthi Bhagavathi** Professor, Computer Science UoH, Hyderabad
06-11-2019 Wednesday	**Applications of Deep Neural Networks in Speech Processing** **by** **Dr. Lashmi Narayana** Professor & Director, Research & Training Unit for Navigational Electronics (NERTU), OU, Hyderabad		**Applications of Deep Neural Networks in Speech Processing** **by** **Dr. Lashmi Narayana** Professor & Director, NERTU, OU, Hyderabad		**Lab session-I** **By** **Duggaraju Pradeepthi** AI Developer, Smart Bridge, Hyderabad		**Lab session-II** **By** **Duggaraju Pradeepthi** AI Developer, Smart Bridge, Hyderabad
07-11-2019 Thursday	**Introduction to Deep Learning and its architecture** **By** **Vineet Gandhi** Asst. Professor, IIIT, Hyderabad		**Lab session-III** **By** **Duggaraju Pradeepthi** AI Developer, Smart Bridge, Hyderabad		**Lab session-IV** **By** **Duggaraju Pradeepthi** AI Developer, Smart Bridge, Hyderabad		**Lab session-V** **By** **Duggaraju Pradeepthi** AI Developer, Smart Bridge, Hyderabad
08-11-2019 Friday	**Applications of DNN in Image Processing** **by** **Prof Atul Negi** Professor, School of Computer & Information Sciences, UoH Hyd		**Applications of DNN in Image Processing** **by** **Prof Atul Negi** Professor, SCIS, UoH, Hyderabad		**Applications of ANN for Nero Controller** **by** **Prof. N. Yadaiah** Prof of EEE & Registrar, JNTUH		**Applications of ANN for Nero Controller** Prof. N. Yadaiah, Prof of EEE & Registrar, JNTUH & Valedictory Session

AICTE sponsored Five Day Faculty Development Programme on

"Artificial Neural Networks and Deep Learning"

(04-11-2019 to 08-11-2019)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Dr. Anil Kumar V Assistatn Professor, IIIT Hyderabad	Introduction to Artificial Neural Networks	8500727346	anil.vuppala@iiit.ac.in
		Architecture, Learning Rules and Python Programming		
2	Dr. K. Anitha Sheela Professor & Head, Dept. of ECE, JNTUHCEH, Hyderabad & Coordinator of the FDP – ANN & DL	Single and Multiple layer feed forward Neural Network	9441189219	kanithasheela@gmail.com
		Introduction to Perception Learning (Single and Multi layer) and Back Propagation neural network		
		Conter Propagation and Self Organization Maps		
3	Dr. S. Nagendra Kumar Assoc. Professor, SCIS, University of Hyderabad, T.S.	LVQs and SVMs	8500118379	nks@uohyd.ac.in
4	Dr. Chakravarthi Bhagavathi Professor, Computer Science UoH, Hyderabad	Recurrent Neural Network and LSTM-I	957356108	chakcs@uohyd.ernet.in
		Recurrent Neural Network and LSTM-II		
5	Dr. Lashmi Narayana Professor & Director, Research & Training Unit for Navigational Electronics (NERTU), OU, Hyderabad	Applications of Deep Neural Networks in Speech Processing	9490805486	laxminarayana@osmania.ac.in

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
6	Duggaraju Pradeepthi AI Developer, Smart Bridge, Hyderabad	Lab. Sessions on AI & DL	9000328122	pradeepthi@thesmartbridge.com
7	Vineet Gandhi Asst. Professor, IIIT, Hyderabad	Introduction to Deep Learning and its architecture	9052244425	vgandhi@iiit.ac.in
8	Prof Atul Negi Professor, School of Computer & Information Sciences, UoH, Hyderabad	Applications of DNN in Image Processing	8008783737	atul.negi@uohyd.ac.in
9	Prof. N. Yadaiah Prof of EEE & Registrar, JNTUH	Applications of ANN for Nero Controller	8121240134	yadaiahn@jntuh.ac.in

AICTE – Sponsored Five Days Faculty Development Programme on

"Artificial Neural Networks & Deep Learning"

(04-11-2019 to 08-11-2019)

List of Participants:

S no	Name of the Participant	Designation & Department	College name with full address
1	E. Madhusudan Raju	Assistant Professor, Dept. of Mechanical Engineering	University College of Engineering, OU, Hyderabad, T.S.
2	Dr. K. Padmavathi	Professor, Dept. of ECE	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
3	Dr. K. Anuradha	Professor, Dept. of CSE	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
4	Dr. N.V. Ganapathi Raju	Professor, Dept. of Information Technology	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
5	Naga Swetha R	Assistant Professor Dept. of ECE	Anurag Group of Institutions, Venkatapur Village, Ghatkesar, Hyderabad, T.S.
6	B. Pavitra	Assistant Professor Dept. of ECE	Anurag Group of Institutions, Venkatapur Village, Ghatkesar, Hyderabad, T.S.
7	Dr. M. Santhosh	Associate Professor, Dept. of ECE	Anurag Group of Institutions, Venkatapur Village, Ghatkesar, Hyderabad, T.S.
8	Dr. K. Haripriya	Associate Professor, Dept. of ECE	Anurag Group of Institutions, Venkatapur Village, Ghatkesar, Hyderabad, T.S.
9	T. Anitha	Assistant Professor, Dept. of Information Technology	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
10	T.N.P. Madhuri	Assistant Professor, Dept. of Information Technology	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
11	P. Rajkumar	Assistant Professor, Dept. of CSE	Malla Reddy Institute of Technology & Science, Maisammuguda, Secunderabad, T.S.
12	Dr. Jaiprakash Narain Dwivedi	Associate Professor, Dept. of ECE	Malla Reddy Institute of Technology & Science, Maisammaguda, Secunderabad, T.S.
13	G. Subhashini	Assistant Professor, Dept. of ECE	Malla Reddy Institute of Technology &Science, Maisammaguda, Secunderabad, T.S.
14	Dr. A. Viswanathan	Associate Professor, Dept. of CSE	Malla Reddy Institute of Technology & Science, Maisammaguda, Secunderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
15	Chityala Prathyusha	Assistant Professor, Dept. of ECE	TKR College of Engineering & Technology, Meerpet, Hyderabad, T.S.
16	K. Sudha Rani	Associate Professor, Dept. of ECE	TKR College of Engineering & Technology, Meerpet, Hyderabad, T.S.
17	P. Ramya	Assistant Professor, Dept. of ECE	St. Peters Engineering College, Maisammaguda,Hyderabad, T.S.
18	P. Venkata Lavanya	Associate Professor, Dept. of ECE	TKR College of Engineering & Technology, Meerpet, Hyderabad, T.S.
19	Dr. M. Aruna Bharathi	Professor, Dept. of EEE	Geethanjali College of Engineering & Technology, Cheeryal, Keesara, Medchal, T.S.
20	A. Lalitha	Associate Professor, Dept. of CSE	Geethanjali College of Engineering & Technology, Cheeryal, Keesara, Medchal, T.S.
21	N. Radhika Amareshwari	Assistant Professor, Dept. of CSE	Geethanjali College of Engineering & Technology, Cheeryal, Keesara, Medchal, T.S.
22	D. Mohan	Associate Professor, Dept. of ECM	Sreenidhi Institute of Science & Technology, Yamanmpet , Ghatkesar, Hyderabad, T.S.
23	Chevella Anil Kumar	Research Scholar	JNTUH College of Engineering, Hyderabad, T.S.
24	D. Srilaxmi	Assistant Professor, Dept. of EIE	VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
25	Dr. Y. Padma Sai	Professor & Head, Dept. of ECE	VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
26	Dr. Manjula Sri. R	Professor & Head, Electronics & Instrumentation Engineering (EIE)	VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
27	L.V. Rajani Kumari	Assistant Professor, Dept. of ECE	VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
28	D. Kalpana	Assistant Professor ©, Dept. of CSE	JNTUH CEH, Kukatpally, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
29	E. Hemalatha	Assistant Professor, Dept. of CSE	JNTUH CEH, Kukatpally, Hyderabad, T.S.
30	K. Swathi	Assistant Professor, Dept. of ECE	Siddartha Institute of Engineering & Technology, Vinobha Nagar, Ibrahimpatnam, R.R. Dist., T.S.
31	E. Parvathi	Assistant Professor, Dept. of ECE	Siddartha Institute of Engineering & Technology, Vinobha Nagar, Ibrahimpatnam, R.R. Dist., T.S.
32	Mohebbanaaz	Research Scholar, Dept. of ECE	VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
33	N. Srikanth	Assistant Professor, Dept. of CSE	Mother Teresa Institute of Science & Technology, Sathupally, Khammam, T.S.
34	MD. Touseef Sumer	Assistant Professor, Dept. of ECE	Aurora's Technological Research Institute, Parvathapur, Uppal, Hyderabad, T.S.
35	Dr. J. Tarun Kumar	Professor, Dept. of ECE	SR Engineering College, Warangal, T.S.
36	Banala Saritha	Assistant Professor, Dept. of ECE	SR Engineering College, Warangal, T.S.
37	Dr. I.S. Hephzi Punithavathi	Assistant Professor, Dept. of CSE	Sphoorthy Engineering College, Nadargul, R.R. Dist., T.S.
38	Poornima Vemula	Assistant Professor, Dept. of ECE	Malla Reddy Engineering College for Women (A), Maisammaguda, Dhulapally, Secunderabad, T.S.
39	M. Sruthi	Assistant Professor, Dept. of ECE	Malla Reddy Engineering College for Women (A), Maisammaguda, Dhulapally, Secunderabad, T.S.
40	C. Silpa	Associate Professor, Dept. of ECE	Malla Reddy Engineering College (A), Maisammaguda, Dhulapally, Secunderabad, T.S.
41	S. Santhi Priya	Assistant Professor, Dept. of ECE	Vidya Jyothi Institute of Technology, Aziz Nagar, Hyderabad, T.S.
42	Kandula Neha	Assistant Professor, Dept. of CSE	Vidya Jyothi Institute of Technology, Aziz Nagar, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
43	G. Harish Babu	Assistant Professor, Dept. of ECE	CVR College of Engineering, Mangalpally, Ibrahimpatnam, R.R. Dist., T.S.
44	A. Shravan Kumar	Assistant Professor (C), Dept. of ECE	JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
45	Nagaraja Kumar Pateti	Assistant Professor, Dept. of ECE	CMR Institute of Technology, Kandlakoya, Medchal, Hyderabad, T.S.
46	P. Madhavi	Assistant Professor, Dept. of CSE	CVR College of Engineering, Mangalpally, Ibrahimpatnam, R.R. Dist., T.S.
47	Ch. Bhavani	Assistant Professor, Dept. of CSE	CVR College of Engineering, Mangalpally, Ibrahimpatnam, R.R. Dist., T.S.
48	Dr. Ramaswamy	Associate Professor, Dept. of ECE	Sreenidhi Institute of Science & Technology, Yamanmpet , Ghatkesar, Hyderabad, T.S.
49	Dr. Krishna Samalla	Professor, dept. of ECE	Sreenidhi Institute of Science & Technology, Yamanmpet , Ghatkesar, Hyderabad, T.S.
50	B. Vennela	Assistant Professor, Dept. of ECE	TKR Engineering College, Meerpet, Hyderabad, T.S.
51	B. Nagaveni	Assistant Professor, Dept. of ECE	Ashoka Institute of Engineering & Technology, Malkapur, Choutupal, Yadadri Bhuvanagiri, T.S.
52	Mogli Ravi	Assistant Professor, Dept. of ECE	Ashoka Institute of Engineering & Technology, Malkapur, Choutupal, Yadadri Bhuvanagiri, T.S.
53	S. Bhargavi Latha	Assistant Professor, Dept. of CSE	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
54	Y. Krishna Bhargavi	Assistant Professor, Dept. of CSE	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
55	Dr. Lakshmi H.N.	Head of the Department, CSIT	CVR College of Engineering, Mangalpally, Ibrahimpatnam, R.R. Dist., T.S.

- 55 participants have registered for the programme out of which 47 participants were successfully completed the progam.

AICTE sponsored Five Day Faculty Development Programme on

"Artificial Neural Networks and Deep Learning"

(04-11-2019 to 08-11-2019)

REPORT:

The AICTE sponsored 5 - Day Faculty Development Program (FDP) on "Artificial Neural Netowrks and Deep Learning" was conducted at UGC – HRDC, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, during 04th to 08th November 2019, with the aim to impart concepts and develop teaching skills to the faculty members who are teaching and going to teach the Artifiail Neural Netowrks and Deep Learning course for B.Tech ECE students.

A total number of 55 participants were registered for the programme through online and 47 participants were successfully completed the program

The major topics that are covered in the program are:

- Introduction to Artificial Neural Networks
- Architecture, Learning Rules
- Perception & Back Propagation NN, RBF Networks
- Counter Propagation, SOMs, LVQs, Feedback NNs
- Introduction to Deep Convolution Neural Networks
- Hands on training with Cloud based applications

Day-1: The first day forenoon session was handled by Dr. V. Anil Kumar, Assistant Professor, IIIT, Hyderabad, on “Introduction to Artificial Neural Network” and “Architecture, Learning rules and Python Programming”. Afternoon session was handled by Dr. K. Anitha Sheela on “Single and Multiple Layer feed forward Neural Network” and “Introduction to Perception Learning (Single and Multi layer) and back propagation neural network.

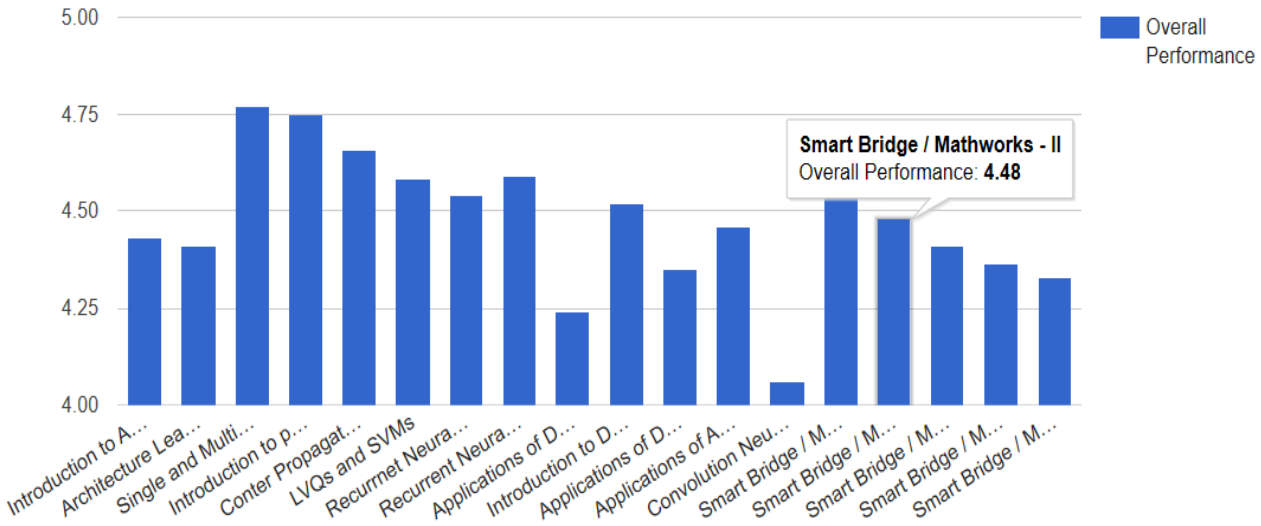
Day-2: Dr. K. Anitha Sheela has delivered the frst session on day-2 on “Counter Propagation and Self Organization Maps”. The pre lunch session was handled by Dr. S. Nagendra Kumar, Assoc. Professor, SCIS, UoH, Hyderabad, on the topic “LVQs and SVMs”. The post lunch session is on “Recurrent Neural Network and LSTM-I and II” by Dr. Chakravarthi Bhagavathi, Professor, UoH, Hyderabad.

Day-3: Dr. Laxmi Narayana, Professor & Director, NERTU, Osmania Unviersity, Hyderabad, has delivered the sessions in the forenoon on the topic “Aplications of Deep Neural Netowrks in Speech Processing”. Afternoon session is hands-on-practice on different AI techques by Ms. D. Pradeepthi, AI Developer, Smart Bridge technologies, Hyderabad.

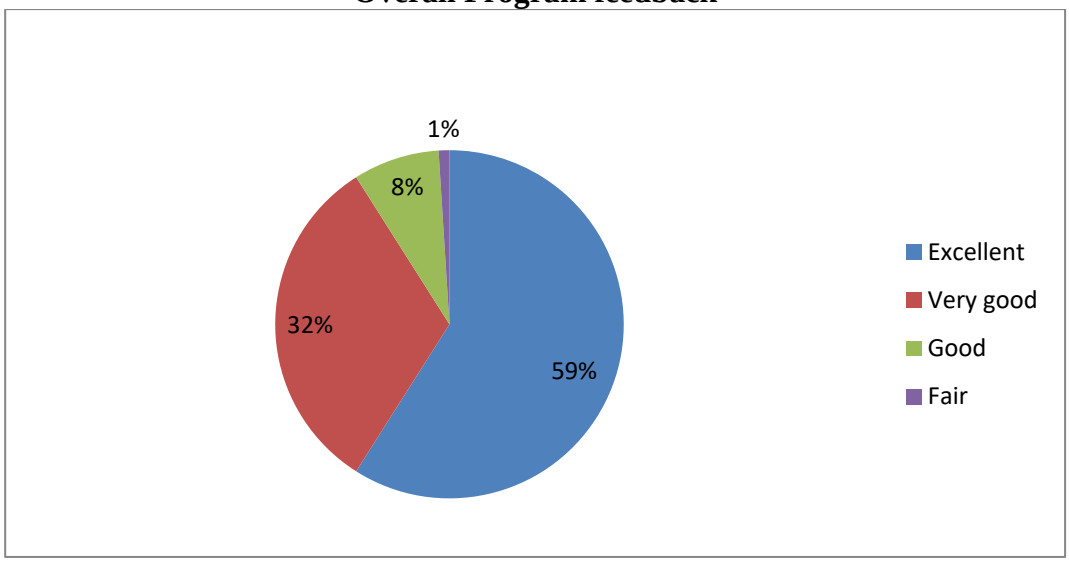
Day-4: Mr. Vineet Gandhi, Asst. Professor, IIIT, Hyderabad, has delivered the session on “Introduction to Deep Learning and its Architecture”. The pre-lunch session and afternoon sessions were hands-on practice session handled by Ms. D. Pradeepthi, AI Developer, Smart Bridge technologies, Hyderabad.

Day-5: Prof. Atul Negi, Professor, SCIS, UoH, Hyderabad, has delivered the sessions in the fore noon on “Applications of DNN in Image Processing”. Afternoon session is on “Applications of ANN for Nero Controller” by Dr. N. Yadaiah, Professor of EEE and Registrar, JNTUH, Hyderabad.

Session wise feedback on 5 Point Scale



Overall Program feedback



Faculty Development Programme on

"Engineering Chemistry"
(02-12-2019 to 06-12-2019)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State, INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Engineering Chemistry",** at UGC – Human Resource Development Centre, JNTU Hyderabad during the period **02-12-2019 to 06-12-2019**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar / Principal / Director with Seal

Place:
Date :

Boarding and Lodging:
Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:
The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:
UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application at UGC - HRDC, JNTUH, Hyderabad : **22-11-2019**

Intimation of Selection to the candidates through e-mail/web : **23-11-2019**

Program Commencement : **02-12-2019**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Faculty Development Programme on

"Engineering Chemistry"

(02-12-2019 to 06-12-2019)

Sponsored by
All India Council for Technical Education

Coordinators

Dr. M. Thirumala Chary
Professor & Head, Dept. of Chemistry
JNTUHCEH
&
Dr. Ch. Venkata Ramana Reddy
Professor of Chemistry & Director
UIIC, JNTUH, Hyderabad

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

The Constituent Engineering Colleges and Units/Schools of JNTUH are offering B.Tech. in 9 branches, M.Tech in 27 specializations, M.Pharmacy in 3 specializations, M.Sc. in 4 specializations, MBA and MCA, and Five-year Integrated Dual Degree Masters Programme in 10 specializations with M.Tech./MBA. Additionally, MS, M.Phil and Ph.Dprogrammes in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with many International and National organizations/universities/ institutions/industries.

Objectives:

The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society.

During the current academic year 2019-20, a five day Faculty Development Programme on **"Engineering Chemistry"** is proposed to be organized during **02-12-2019 to 06-12-2019,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first -come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty members from the Dept. of Chemistry.**

- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:

There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.

If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Molecular Structure and Theories of Bonding**
- **Water and its treatment**
- **Electrochemistry and Corrosion**
- **Stereochemistry, Reaction Mechanism and Synthesis of drug molecules**
- **Spectroscopic techniques and applications**

Resource Persons are drawn from IITs, NITs, JNTUH and other Universities, Industries and R&D organizations.

APPLICATION FORM

Faculty Development Programme on "Engineering Chemistry"

Name: ……

Date of Birth & Age: ……

Gender (M / F): ……

Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……

Designation :
Department:
Pay Scale & Present Basic :
Institution :
Affiliating University:
Address for Communication:

……
……
……
……

College Address:

……
……
….

Phones Nos:
(O)……
(R)……

MOBILE:…… Fax:……
E - mail ID: ……

Accommodation Required? YES / NO

AICTE Sponsored Five Day Faculty Development Programme on

"Engineering Chemistry"

(02-12-2019 to 06-12-2019)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
02-12-2019 Monday	**Molecular Structure** **By** **Prof. S. Srihari** Dean (Sciences & R&D Cell) IIIT, Basara		**Molecular Structure** **By** **Prof. S. Srihari** Dean (Sciences & R&D Cell) IIIT, Basara		**Theories of Bonding** **By** **Prof. S. Srihari** Dean (Sciences & R&D Cell) IIIT, Basara		**Theories of Bonding** **By** **Prof. S. Srihari** Dean (Sciences & R&D Cell) IIIT, Basara
03-12-2019 Tuesday	**Water and its Treatment-I** **By** **Prof. K. Laxma Reddy** Professor of Chemistry NIT, Warangal		**Water and its Treatment-I** **By** **Prof. K. Laxma Reddy** Professor of Chemistry NIT, Warangal		**Water and its Treatment-II** **By** **Prof. K. Laxma Reddy** Professor of Chemistry NIT, Warangal		**Water and its Treatment-II** **By** **Prof. K. Laxma Reddy** Professor of Chemistry NIT, Warangal
04-12-2019 Wednesday	**Spectroscopic Techniques** **NMR** By **Prof. K. Shivaraj** Professor of Chemistry, OU, Hyderabad	**TEA BREAK**	**Spectroscopic Techniques** **NMR** By **Prof. K. Shivaraj** Professor of Chemistry, OU, Hyderabad	**LUNCH BREAK**	**Spectroscopic Techniques** **UV & IR** by **Dr. K. Nagaiah** Chief Scientist, CSIR-IICT, Hyderabad	**TEA BREAK**	**Spectroscopic Techniques** **UV & IR** by **Dr. K. Nagaiah** Chief Scientist, CSIR-IICT, Hyderabad
05-12-2019 Thursday	**Reaction Mechanism** **By** **Prof. V. Rajeshwar Rao** Professor of Chemistry, NIT Warangal		**Reaction Mechanism** **By** **Prof. V. Rajeshwar Rao** Professor of Chemistry, NIT Warangal		**Stereochemistry** **By** **Prof. D. Ashok** Professor of Chemistry OU, Hyderabad		**Stereochemistry** **By** **Prof. D. Ashok** Professor of Chemistry OU, Hyderabad
06-12-2019 Friday	**Corrosion Chemistry** **By** **Prof. B.V. Appa Rao** Professor of Chemistry, HCU, Hyderabad		**Corrosion Chemistry** **By** **Prof. B.V. Appa Rao** Professor of Chemistry, HCU, Hyderabad		**Electro Chemistry** **By** **Prof. Anjaneyulu** Professor of Chemistry (Rtd.) OU, Hyderabad		**Electro Chemistry** **By** **Prof. Anjaneyulu** Professor of Chemistry (Rtd.) OU, Hyderabad

AICTE sponsored Five Day Faculty Development Programme on
"Engineering Chemistry"
(02-12-2019 to 06-12-2019)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Prof. S. Srihari Dean (Sciences & R&D Cell) IIIT, Basara 9849189182	Molecular Structure Theories of Bonding	9849189182	sriharisomu@yahoo.co.in
2	Prof. K. Laxma Reddy Professor of Chemistry NIT, Warangal	Water and its Treatment-I Water and its Treatment-II	9490300457	laxma@nitw.ac.in
3	Prof. K. Shivaraj Professor of Chemistry, OU, Hyderabad	Spectroscopic Techniques NMR	7337355879	shivaraj_sunny@yahoo.co.in
4	Dr. K. Nagaiah Chief Scientist, CSIR-IICT, Hyderabad	Spectroscopic Techniques UV & IR	9440485366	nagaiah.iict@gov.in
5	Prof. V. Rajeshwar Rao Professor of Chemistry, NIT Warangal	Reaction Mechanism	9912186430	vrajesw@yahoo.com
6	Prof. D. Ashok Professor of Chemistry OU, Hyderabad	Stereochemistry	9391024769	ashokdou@gmail.com
7	Prof. B.V. Appa Rao Professor of Chemistry, HCU, Hyderabad	Corrosion Chemistry	9866575276	boyapativapparao@rediffmail.com
8	Prof. Anjaneyulu Professor of Chemistry (Rtd.) OU, Hyderabad	Electro Chemistry	9618051053	anjaneyulu_22@yahoo.co.in
9	Dr. M. Tirumala Chary Professor & Head, Dept. of Chemistry, JNTUHCEH, Hyderabad	Course Coordinator	9848511562	mtcharya@yahoo.com
10	Dr. Ch. Venkata Ramana Reddy, Professor of Chemistry & Director, UIIC, JNTUH, Hyderabad	Course Coordinator	9885827579	vrr9@jntuh.ac.in

AICTE – Sponsored Five Days Faculty Development Programme on

"Engineering Chemistry"

(02-12-2019 to 06-12-2019)

List of Participants:

S No	Name of the Participant	Designation & Department	College name with full address
1	Dr. K. Sunder Kumar	Assistant Professor, Dept. of H & S (Chemistry)	Annamacharya Institute of Technology & Science, Hyderabad, T.S.
2	T. Sudhakar	Assistant Professor, Dept. of S & H	J.B. Institute of Engineering & Technology, Moinabad, Hyderabad, T.S.
3	Dr. K. Vidya	Assistant Professor, Dept. of Chemistry	JNTUH CEJ, Nachupally, Kondagattu, T.S.
4	Y. Ramani	Assistant Professor, Dept. of H & S	Nalla Narasimha Reddy Engineering College, Narapally, Hyderabad, T.S.
5	Dr. G. Gayatri	Associate Professor, Dept. of S & H, (Chemistry)	Bharat Institute of Engineering & Technology, Mangalpally, Ibrahimpatnam, R.R. Dist., T.S.
6	Dr. Venkatesham Maragoni	Professor, Dept. of Chemistry, (H & S)	Siddhartha Institute of Engineering & Technology, Vinobhanagar, Ibrahimpatnam, R.R. Dist., T.S
7	J. Sandhya	Assistant Professor, Dept. of Chemistry	Vaageswari College of Engineering,Thimmapur, Karimnagar, T.S.
8	Dr. G.B. Dharma Rao	Assistant Professor & Head, Dept. of Chemistry	Kommuri Pratap Reddy Institute of Technology, Hyderabad, T.S.
9	Hemangi Joshi	Assistant Professor, Dept. of H & S	Keshav Memorial Institute of Technology, Narayanaguda, Hyderabad, T.S.
10	Swetha Yadavally	Assistant Professor, Dept. of Basic Sciences	Bhoj Reddy Engineering College for Women, Santhosh Nagar, Saidabad, Hyderabad, T.S.
11	Dr. S. Srilalitha	Professor, Dept. of Chemistry	ACE Engineering College, Ghatkesar, Medchal, T.S.
12	N. Swathi	Assistant Professor, Dept. of H & AS	Aurora's Technological & Research Institute,Uppal, Hyderabad, T.S.
13	Dr. K. Swapna	Assistant Professor, Dept. of H & S	Sphoorthy Engineering College, Nadargul, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
14	B. Raju	Assistant Professor, Dept. of Chemistry, H & Basic Sciences	Institute of Aeronautical Engineering (IARE), Dundigal, Hyderabad, T.S.
15	D. Ayyaswamy	Assistant Professor, Dept. of H & S (Chemistry)	Mahaveer Institute of Science & Technology, Bandlaguda, Hyderabad, T.S.
16	Y. Ravindra	Associate Professor, Dept. of H & S (Chemistry)	CMR Engineering College, Kandlakoya, Medchal Dist., Hyderabad, T.S.
17	Dr. V.N.S.R. Venkateswara Rao	Associate Professor, Dept. of Chemistry (H & BS)	Institute of Aeronautical Engineering (IARE), Dundigal, Hyderabad, T.S.
18	Dr. V. Anitha Rani	Professor, Dept. of Chemistry (H & BS)	Institute of Aeronautical Engineering (IARE), Dundigal, Hyderabad, T.S.
19	Dr. B. Srinivasa Reddy	Assistant Professor, Dept. of P & C	Mahatma Gandhi Institute of Technology,Gandipet, Hyderabad, T.S.
20	Dr. Surinderpal Singh	Professor, Dept. of H & S	CMR Engineering College, Kandlakoya, Medchal Dist., Hyderabad, T.S.
21	Ramaraju Korivi	Head & Assistant Professor, Dept. of Chemistry	Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.
22	T. Padmini	Assistant Professor, Dept. of H & S (Chemistry)	Megha Institute of Engineering & Technology for Women, Ghatkesar, Medchal, Hyderabad, T.S.
23	A. Nagaraju	Assistant Professor, Dept. of H & S (Chemistry)	Sree Chaitanya College of Engineering, LMD, Thimmapur, Karimnagar, T.S.
24	M. Kiran Kumar Reddy	Assistant Professor, Dept. of Chemistry	Global Institute of Engineering & Technology, Moinabad, Hyderabad, T.S.
25	M. Kamala	Assistant Professor, Dept. of H & S	CMR Engineering College, Kandlakoya, Medchal, Hyderabad, T.S.
26	K. Swarupa	Assistant Professor, Dept. of Freshman Engine	Geethanjali College of Engineering & Technology, Cheeryal, Hyderabad, T.S.
27	S. Govardhan	Assistant Professor, Dept. of BS & H (Chemistry)	Kshatria College of Engineering, Armoor, Nizamabad, T.S.
28	N. Hemalatha	Assistant Professor, Dept of H & S	Vignana Bharathi Institute of Technology, Medchal, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
29	Dr. Rambabu Gundla	Associate Professor, Dept. of Chemistry	GITAM University, Hyderabad, T.S.
30	Dr. Kalyani Paidikondala	Assistant Professor, Dept. of Chemistry	GITAM University, Hyderabad, T.S.
31	Dr. A. Shiva Reddy	Assistant Professor, Dept. of Chemistry	GITAM University, Hyderabad, T.S.
32	K. Umadevi	Assistant Professor, Dept. of H & S	AITS, Pigilipur, Batasingaram, Hyderabad, T.S.
33	K. Maheshwari	Assistant Professor, Dept. of H & S	AITS, Pigilipur, Batasingaram, Hyderabad, T.S.
34	DR. K. Shirish Kumar	Associate Professor, Dept. of Chemistry	VBIT, Ghatkesar, Hyderabad, T.S.
35	Ugandhar Dasari	Assistant Professor, Dept. of H & S	Aurora Technological & Research Institute, Uppal, Hyderabad, T.S.
36	Kavitha Kotthi Reddy	Assistant Professor, Dept. of H & S (Chemistry)	Hyderabad Institute of Technology & Management, Gowdavelli (v), Medchal Dist., T.S.
37	Nirmala Pushpa	Assistant Professor, Dept. of H & S	VBIT, Ghatkesar, Medchal, Hyderabad, T.S.
40	Reshmi Nair	Associate Professor, Dept. of Chemistry	NMREC, Ghatkesar, Medchal, Hyderabad, T.S.
41	Dr. V. Aparna	Assistant Professor, Dept. of M & PS	Nalla Malla Reddy Engineering College, Divya Nagar, Hyderabad, T.S.
42	Kanneboina Ramesh	Assistant Professor, Dept. of Chemistry	Vaagdevi College of Engineering, Bollikunta, Warangal, T.S.

- **42 participants have registered for the programme out of which 30 participants were successfully completed the program.**

AICTE sponsored Five Day Faculty Development Programme on

"Engineering Chemsitry"

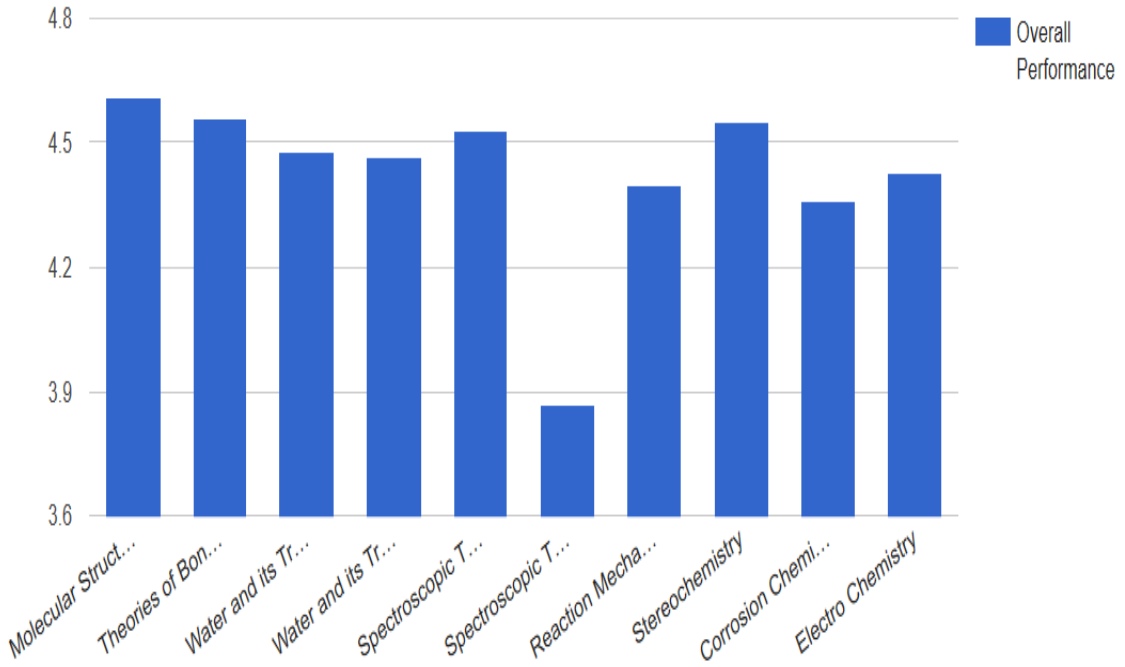
(02-12-2019 to 06-12-2019)

REPORT:

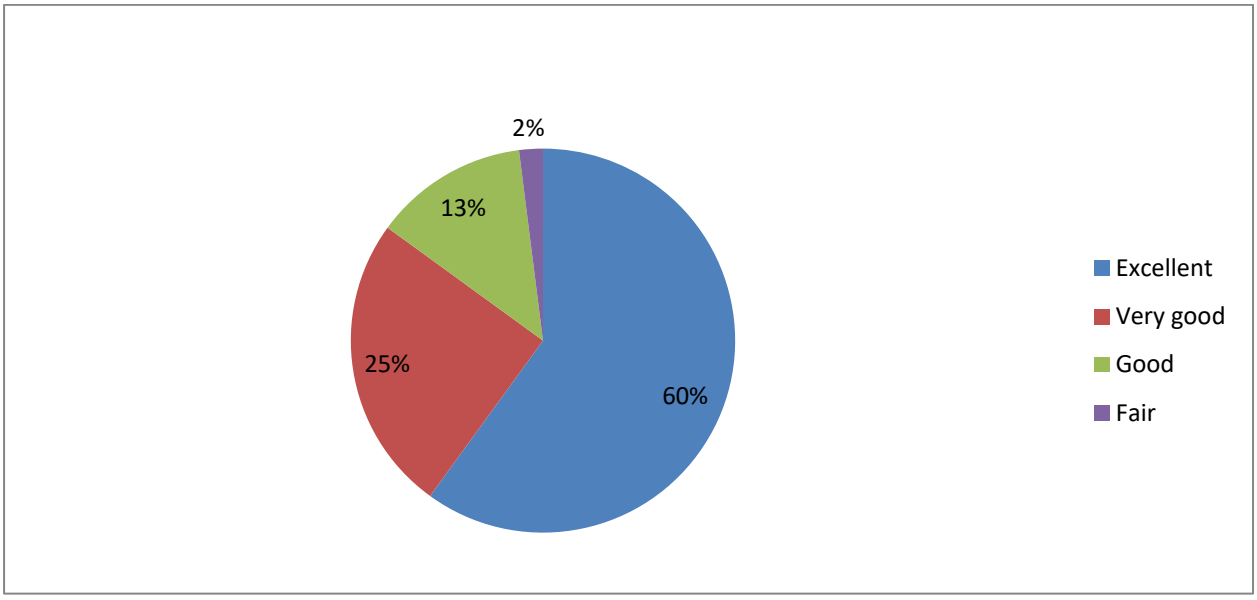
Jawaharlal Nehru Technological University Hyderabad is always in forefront in imparting the quality and latest education to the students. In this regard, it is reviewing and updating the syllabus very frequently. In accordance with the revised curriculum made by AICTE, the syllabus of Engineering Chemistry is revised in 2018. It is felt that training to the faculty members is necessary to refresh them with the new syllabus and its latest changes. In view of this, the Department of Chemistry has sent the proposal to conduct the Faculty Development Programme for the Chemistry faculty members of affiliated colleges of JNTUH.

The program is scheduled from December 02 – 06, 2019 with an aim to give training to the faculty members to prepare them for being successful in a knowledge society. A total number of 42 participants have registered for the programme out of which 30 participants were successfully completed the program. The Resource Persons were chosen from the reputed organizations like NIT Warangal, HCU Hyderabad, Osmania University, IICT Hyderabad. The topics chosen for the training are those topics included in the curriculum of Engineering Chemistry of affiliated Colleges of JNTUH. The topics covered are: Molecular Structure and Theories of Bonding, Water and its Treatment, Electrochemistry and Corrosion, Stereochemistry, Reaction mechanism and Synthesis of drug molecules and Spectroscopic techniques and applications. The participants have expressed their satisfaction in updating the subject and the new ways to explain some typical concepts in a similar way. The participants are provided with lecture material and a text book on Engineering Chemistry.

Session wise feedback on 5 Point Scale



Overall Program Feedback



Faculty Development Programme on

"Artificial Intelligence"
(02-12-2019 to 06-12-2019)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State, INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Artificial Intelligence",** at UGC –Human Resource Development Centre, JNTU Hyderabad during the period **02-12-2019 to 06-12-2019**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar / Principal / Director with Seal

Place:
Date :

Boarding and Lodging:

Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:

The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:

UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application at UGC - HRDC, JNTUH, Hyderabad : **22-11-2019**

Intimation of Selection to the candidates through e-mail/web : **23-11-2019**

Program Commencement : **02-12-2019**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Faculty Development Programme on

"Artificial Intelligence"

(02-12-2019 to 06-12-2019)

Sponsored by

All India Council for Technical Education

Coordinators

Dr. K.P. Supreethi
Professor, Dept. of CSE
JNTUHCEH, Hyderabad

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

The Constituent Engineering Colleges and Units/Schools of JNTUH are offering B.Tech. in 9 branches, M.Tech in 27 specializations, M.Pharmacy in 3 specializations, M.Sc. in 4 specializations, MBA and MCA, and Five-year Integrated Dual Degree Masters Programme in 10 specializations with M.Tech./MBA. Additionally, MS, M.Phil and Ph.Dprogrammes in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with many International and National organizations/universities/ institutions/industries.

Objectives:

The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society.

During the current academic year 2019-20, a five day Faculty Development Programme on **"Artificial Intelligence"** is proposed to be organized during **02-12-2019 to 06-12-2019,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first -come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty members from the Dept. of CSE & ECE.,**
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:

There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.

If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Introduction to AI**
- **Problems, Problem Spaces and Search**
- **Heuristic Search Techniques**
- **Knowledge Representation, Semantic nets**
- **Reasoning Techniques, Game Playing, Planning Systems**
- **Natural Language Processing**

**** Contents may vary slightly.***

Resource Persons are drawn from IITs, NITs, JNTUH and other Universities, Industries and R&D organizations.

APPLICATION FORM

Faculty Development Programme on "Artificial Intelligence"

Name: ……

Date of Birth & Age: ……

Gender (M / F): ……

Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……

Designation :
Department:
Pay Scale & Present Basic :
Institution :
Affiliating University:
Address for Communication:

……
……
……
……

College Address:

……
……
….

Phones Nos:
(O)……
(R)……

MOBILE:…… Fax:……
E - mail ID: ……

Accommodation Required? YES / NO

AICTE Sponsored Five Day Faculty Development Programme on

"Artificial Intelligence" (02-12-2019 to 06-12-2019)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
02-12-2019 Monday	**Introduction to Artificial Intelligence** **By** **Prof. Garimella Rama Murhty** Professor, IIT Hyderabad	TEA BREAK	**Introduction to Artificial Intelligence** **By** **Prof. Garimella Rama Murhty** Professor, IIT Hyderabad	LUNCH BREAK	**Hands on Session NLP – Spacy, Scikit-learn** **By** **Mr. L. Venkata Rama Raju** Founder & CEO, Datajango	TEA BREAK	**Hands on Session NLP – Spacy, Scikit-learn** **By** **Mr. L. Venkata Rama Raju** Founder & CEO, Datajango
03-12-2019 Tuesday	**Machine Learning** **By** **Dr. M. Srinivas** Assistant Professor Dept. of CSE, NIT Warangal		**Machine Learning** **By** **Dr. M. Srinivas** Assistant Professor Dept. of CSE, NIT Warangal		**Computer Vision and Deep Learning Applications** **By** **Dr. I. Earnest Paul** Assistant Professor Dept. of CSE, NIT Warangal		**Computer Vision and Deep Learning Applications** **By** **Dr. I. Earnest Paul** Assistant Professor Dept. of CSE, NIT Warangal
04-12-2019 Wednesday	**Expert Systems and Planning** by **Dr. K. Swarupa Rani** Associate Professor, SCIS, UoH, Hyderabad		**Expert Systems and Planning** by **Dr. K. Swarupa Rani** Associate Professor, SCIS, UoH, Hyderabad		**Reasoning** **By** **Prof. Rajeswara Rao** Professor of CSE, JNTUK College of Engineering, Vizianagaam, A.P.		**Reasoning** **By** **Prof. Rajeswara Rao** Professor of CSE, JNTUK College of Engineering, Vizianagaam
05-12-2019 Thursday	**Knowledge Representation** **By** **Dr. P. Suresh** Professor, CBIT, Hyderabad		**Knowledge Representation** **By** **Dr. P. Suresh** Professor, CBIT, Hyderabad		**Word embeddings and deep learning** **By** **Mr. Venkat Challa** Product Manager, DataJango Hyderabad		**Word embeddings and deep learning** **By** **Mr. Venkat Challa** Product Manager, DataJango Hyderabad
06-12-2019 Friday	**Heuristic Search** By **Prof. M. Nagaratna** JNTUHCEH, Hyderabad		**Game Playing** By **Dr. Supreethi** Dept. of CSE, JNTUHCEH, Hyderabad		**Natural Language Text Processing using Machine Learning** **By** **Prof. B. Vishnu Vardhan** Professor of CSE & Vice-Principal, JNTUHCE Manthani		**Natural Language Text Processing using Machine Learning** **By** **Prof. B. Vishnu Vardhan** Professor of CSE & Vice-Principal, JNTUHCE Manthani

AICTE sponsored Five Day Faculty Development Programme on

"Artificial Intelligence"

(02-12-2019 to 06-12-2019)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Prof. Garimella Rama Murthy Professor, IIT Hyderabad	Introduction to Artificial Intelligence	9676719686	rama.murthy@mechyd.ac.in
2	Mr. L. Venkata Rama Raju Founder & CEO, Datajango Hyderabad	Hands on Session NLP – Spacy, Scikit-learn	9490891289	rama@datajango.com
3	Dr. M. Srinivas Assistant Professor Dept. of CSE, NIT Warangal	Machine Learning	8897064421	msv@nitw.ac.in
4	Dr. I. Earnest Paul Assistant Professor Dept. of CSE, NIT Warangal	Computer Vision and Deep Learning Applications	9494466490	iep@nitw.ac.in
5	Dr. K. Swarupa Rani Associate Professor, School of Computer and Information Sciences, UoH, Hyderabad	Expert Systems and Planning	9951124224	kswarupaprasad@gmail.com
6	Prof. R. Rajeswara Rao Professor of CSE, JNTUK College of Engineering, Vizianagaam, A.P.	Reasoning	9959559456	rajaraob4u@gmail.com
7	Dr. P. Suresh Professor, Dept. of IT, CBIT, Hyderabad	Knowledge Representation	9885313161	plpsuresh@gmail.com
8	Mr. Venkat Jagannadh Challa, Product Manager, DataJango, Hyderabad	Word embeddings and deep learning	9866192049	challa.jagannadh@datajango.com
9	Prof. M. Nagaratna JNTUHCEH, Hyderabad	Heuristic Search	9948688672	mratnajntu@gmail.com
10	Dr. K.P.Supreethi Professor, Dept. of CSE, JNTUHCEH, Hyderabad & Course Coordinator	Game Playing	9949738588	supreethi.pujari@gmail.com
11	Prof. B. Vishnu Vardhan Professor of CSE & Vice-Principal, JNTUHCE Manthani	Natural Language Text Processing using Machine Learning	9848435073	mailvishnu@jntuh.ac.in

AICTE – Sponsored Five Days Faculty Development Programme on

"Artificial Intelligence"

(02-12-2019 to 06-12-2019)

List of Participants

S no	Name of the Participant	Designation & Department	College name with full address
1	P. Krishna Rao	Assistant Professor, Dept. of CSE	Avanthi Institute of Engineering & Technology, Gunthapally, abdullapurmet, R.R. Dist., Hyderabad, T.S.
2	K. Srinivas	Assistant Professor, Dept. of CSE	Avanthi Institute of Engineering & Technology, Gunthapally, abdullapurmet, R.R. Dist., Hyderabad, T.S.
3	J. Sravanthi	Assistant Professor, Dept. of ECE	TKR College of Engineering & Technology, Meerpet, Hyderabad, T.S.
4	A. Haritha	Assistant Professor, Dept. of ECE	TKR College of Engineering & Technology, Meerpet, Hyderabad, T.S.
5	Dr. Thayyaba Khatoon Mohammed	Professor, Dept. of CSE	Malla Reddy College of Engineering & Technology, Maisammaguda, Dhulapally, Medchal, Hyderabad, T.S.
6	B. Chandra Shaker Reddy	Assistant Professor, Dept. of ECE	Nalla Narasimha Reddy Education Society's Group of Institutions, Ghatkesar (M), Medchal, Hyderabad, T.S.
7	Gajula Rajender	Assistant Professor, Dept. of CSE	Vignana Bharathi Engineering College, Ibrahimpatnam, R.R. Dist., T.S.
8	D. Sreekanth	Assistant Professor, Dept. of ECE	CMR Technical Campus (A), Kandlakoya, Medchal, Hyderabad, T.S.
9	Sai Kumar .Tara	Associate Professor, Dept. of ECE	CMR Technical Campus (A), Kandlakoya, Medchal, Hyderabad, T.S.
10	K. Padmini	Associate Professor, Dept. of IT	Aurora's Technological & Research Institute, Uppal, Hyderabad, T.S.
11	K. Adi Narayana Reddy	Associate Professor, Dept. of IT	BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, T.S.

S no	Name of the Participant	Designation & Department	College name with full address
12	L. Naveen Kumar	Assistant Professor, Dept. of IT	BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, T.S.
13	Dr. Aruna Rao S L	Professor, Dept. of IT	BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, T.S.
14	S. Sowmya	Assistant Professor, Dept. of CSE	Aurora's Technological & Research Institute, Uppal, Hyderabad, T.S.
15	M. Ravi Kumar	Associate Professor, Dept. of CSE	Joginpally B.R. Engineering College, Moinabad, Hyderabad, T.S.
16	Ch. Suresh Kumar Raju	Assistant Professor, Dept. of CSE	Institute of Aeronautical Engineering College, Dundigal, Hyderabad, T.S.
17	B. Rekha	Assistant Professor, Dept. of ECE	Teegala Krishna Reddy Engineering College, Meerpet, Hyderabad, T.S.
18	G. Sandhya	Assistant Professor, Dept. of CSE	CVR College of Engineering, Vasthunagar, Mangalpally, Ibrahimpatnam, Hyderabad, T.S.
19	Emmadi. Supraja	Assistant Professor, Dept. of ECE	Vidya Jyothi Institute of Technology, Aziz Nagar, Hyderabad, T.S.
20	K. Usha Rani	Associate Professor, Dept. of CSE	Bhoj Reddy Engineering College for Women,Vinaynagar, Saidabad, Hyderabad, T.S.
21	K.V. Sharada	Assistant Professor, Dept. of IT	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
22	K. Rambabu	Assistant Professor, Dept. of ECE	BV. Raju Institute of Technology, Narsapur, Medak Dist., T.S.
23	Koustubh Kulkarni	Assistant Professor, Dept. of ECE	Nalla Narasimha Reddy Education Society's Group of Institutions, Ghatkesar (M), Medchal, Hyderabad, T.S.
24	K. Priyanka	Assistant Professor, Dept. of IT	Mahaveer Institute of Science & Technology, Bandlaguda, Hyderabad, T.S.
25	Dr. T. Vasudeva Reddy	Associate Professor, Dept. of ECE	B.V. Raju Institute of Technology, Narsapur, Medak Dist., T.S.
26	E. Parvathi	Assistant Professor, Dept. of ECE	Siddhartha Institute of Engineering & Technology, R. R. Dist., T.S.

S No	Name of the Participant	Designation & Department	College name with full address
27	Dr. M. Sridhar	Associate Professor, Dept. of CSE	Aurora's Scientific Technological Institute, Ghatkesar, Hyderabad, T.S.
28	Deepthi Amuru	Assistant Professor, Dept. of ECE	G. Narayanamma Institute of Technology & Science (for Women), Shaikpet, Hyderabad, T.S.
29	Dr. Yadu Singh	Professor & Principal, Dept. of CSE	Kasireddy Narayana Reddy College of Engineering, Abdullapurmet, Hyderabad, T.S.
30	A. Vivek Reddy	Assistant Professor, Dept. of CSE	St. Mary's Group of Instituttions, Deshmukhi (v), Yadadri Bongir Dist., T.S.
31	Tahneyath Ahmed	Assistant Professor, Dept. of CSE	Bhoj Reddy Engineering College for Women,Santhosh Nagar, Saidabad, Hyderabad, T.S.
32	Santosh Kumar Sahoo	Associate Professor, Dept. of EIE	CVR College of Engineering, Vastunagar, Ibrahimpatnam, R.R. Dist., T.S.
33	Ch. Divya	Assistant Professor, Dept. of ECE	TKR College of Engineering & Technology, Meerpet, Hyderabad, T.S.
34	S. Shiva Reddy	Assistant Professor (C), Dept. of CSE	JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
35	P. Ajay Kumar	Assistant Professor (C), Dept. of CSE	JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
36	M.L.M. Prasad	Associate Professor, Dept. of IT	Joginpally BR Engineeering College, Moinabad, Hyderabad, T.S.
37	Nagilla Sampath Kumar	Assistant Professor ©, Dept. of CSE	JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
38	Dr. S. Harivardhagini	Professor & Head, Dept. of EIE	CVR College of Engineering, Ibrahimpatnam, Hyderabad, T.S.
39	T V Ramanamma	Associate Professor, Dept. of CSE	Aurora's Technological & Research Institute, Uppal, Hyderabad, T.S.
40	Sukanya Ledalla	Assistant Professor, Dept. of IT	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
41	S. Renuka	Assistant Professor, Dept. of IT	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
42	A. Satish	Assistant Professor, Dept. of CSE	Mother Teresa Institute of Science & Technology, Sathupally, Khammam, T.S.
43	Y. Raju	Assistant Professor, Dept. of CSE	Vignana Bharathi Engineering College, Ibrahimpatnam, R.R. Dist., T.S.
44	Dasari A Rachana	Assistant Professor, Dept. of CSE	CVR College of Engineering, Vastunagar, Ibrahimpatnam, R.R. Dist., T.S.
45	K. Govinda Rao	Assistant Professor ©, Dept. of CSE	School of Information Technology, JNTUH, Kukatpally, Hyderabad, T.S.
46	Y. Ambica	Assistant Professor ©, Dept. of CSE	SIT, JNTUH, Kukatpally, Hyderabad, T.S.
47	Mohana Lakshmi Kesana	Associate Professor, Dept. of ECE	CMR Technical Campus (A), Kandlakoya, Medchal, Hyderabad, T.S.
48	Srikanth Reddy Rikkula	Assistant Professor, Dept. of CSE	St. Mary's Group of Institutions, Deshmukhi (v), Yadadri Bongir Dist., T.S.
49	M. Shireesha	Assistant Professor, Dept. of CSE	Avanthi Institute of Engineering & Technology, Gunthapally, Abdullapurmet, R.R. Dist., Hyderabad, T.S.
50	S. Rajender	Assistant Professor, Dept. of CSE	Avanthi Institute of Engineering & Technology, Gunthapally, Abdullapurmet, R.R. Dist., Hyderabad, T.S.
51	T. Swathi	Assistant Professor, Dept. of CSE	Vignana Bharathi Engineering College, Yacharam, Ibrahimpatnam, R.R. Dist., T.S.
52	V. Roopa	Associate Professor, Dept. of ECE	TKR College of Engineering, Meerpet, Hyderabad, T.S.
53	V. Madhavi	Sr. Assistant Professor, Dept. of CSE	Aurora's Technological & Research Institute, Uppal, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
54	K. Balakrishna Maruthiram	Assistant Professor (C)	School of Information Technology, JNTUH, Kukatpally, Hyderabad, T.S.
55	Sure Mamatha	Assistant Professor, Dept. of IT	Malla Reddy Engineering College foe Women, Maisammaguda, Secunderabad, T.S.
56	Dr. Lakshmi H N	Head Of the Department, CSIT	CVR College of Engineering, Mangalpally, Ibrahimpatnam, Hyderabad, T.S.
57	Bhavani Ch	Associate Professor, Dept. of CSE	CVR College of Engineering, Vastunagar, Ibrahimpatnam, r.R. Dist., T.S.
58	Devulapalli Shyam Prasad	Sr. Assistant Professor, Dept. of EIE	CVR College of Engineering, Vastunagar, Ibrahimpatnam, r.R. Dist., T.S.
59	Madhavi P	Assistant Professor, Dept. of CSE	CVR College of Engineering, Vastunagar, Ibrahimpatnam, r.R. Dist., T.S.
60	Vikranth B	Professor, Dept. of IT	CVR College of Engineering, Vastunagar, Ibrahimpatnam, R.R. Dist., T.S.

- **60 participants have registered for the program out of which 44 participants were successfully completed the program**.

AICTE sponsored Five Day Faculty Development Programme on

"Artificial Intelligence"

(02-12-2019 to 06-12-2019)

REPORT:

Faculty Development Programme on "Artificial Intelligence" is sponsored by All India Council for Technical Education coordinated by Dr. Supreethi K.P.Professor, Dept. of CSE, JNTUHCEH, Hyderabad, and it is organized by UGC – Human Resource Development Centre JNTUH. 60 participants have registered for the program out of which 44 participants were successfully completed the program

Preamble:

It is influencing nearly every facet of our lives to help improve efficiencies and augment our human capabilities. AI is so intertwined in all that what we do, it is hard to imagine living life without AI.

There is no doubt that AI is an integral part of our daily lives. Everyday influences of AI like financial institutions, legal institutions, media companies, insurance companies, fraud detection … etc in all these areas AI's reach is extensive. Artificial Intelligence is back bone for all smart devices and applications available in the market, every computer science graduate ought to be equipped with this knowledge. Majority students of other branches also opt for this elective subject, hence there is great need for this faculty development programme. 53 participants have applied online before the due date and 7 participants have made registrations offline. Received 60 registrations in total.

Day-1: First day Forenoon session was on the topic "Introduction to Artificial Intelligence" by Prof.Gorimella Rama Murthy from IIIT Hyderabad. In this session Prof. Gorimella Rama Murthygave an insight on Artificial Intelligence beginning and the existing expert systems available, disruptive technologies in AI, Hybrid Vehicles, and Main focused research areas in AI, AI evolutionary computation, recent breakthroughs and goal of AI.

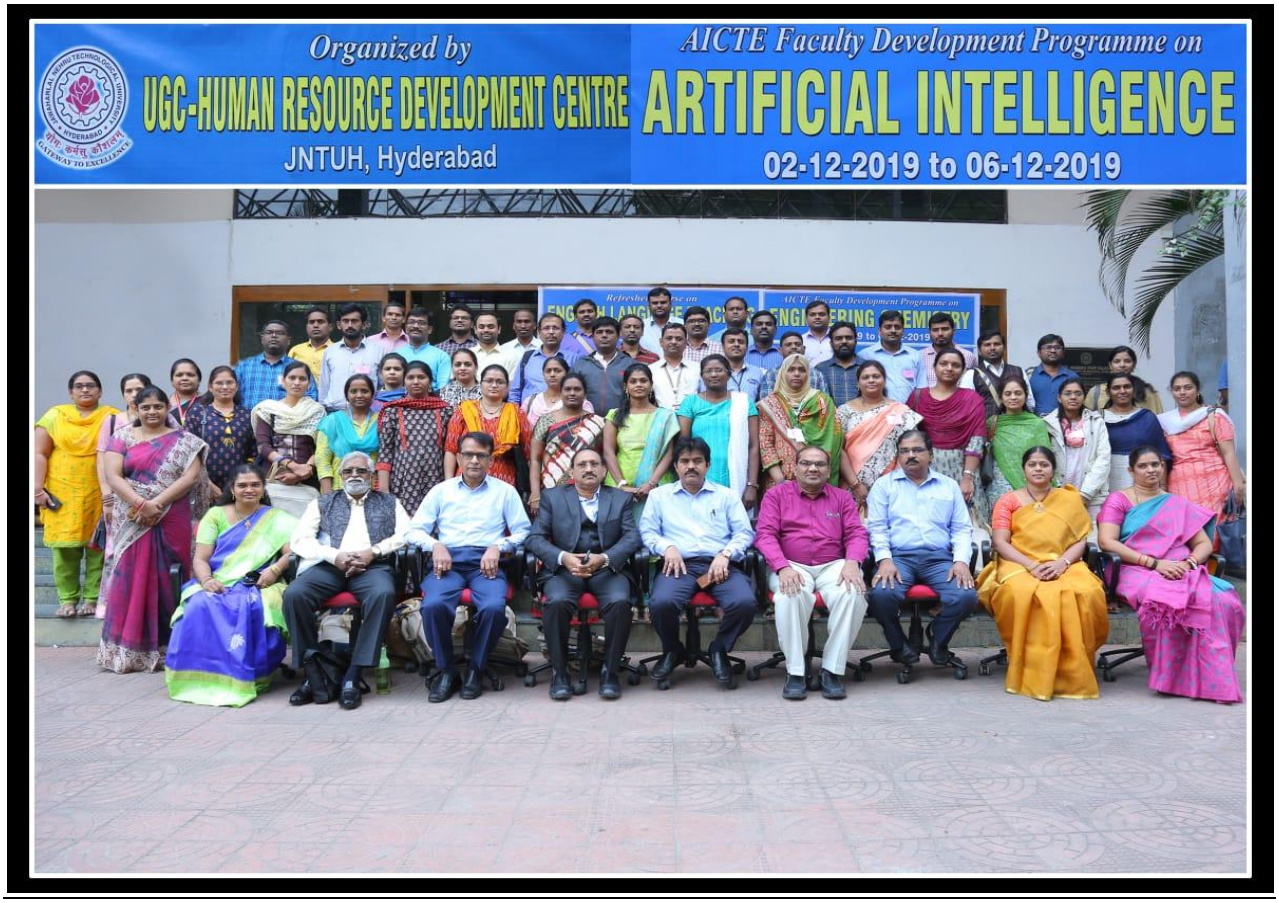
Afternoon session was on Hands on Session "NLP" – Spacy, Scikit – learn by Mr. L. V. Venkata Rama Raju, Founder & CEO from Data Jango. In this session the topics delivered are business analytics, business intelligence. A data science project process steps are explained like data collection, statistical analysis, Data pre-processing and Machine learning. The technologies used for data science project such as Numpi, pandas, tensorflow, keras are discussed. Applications of Machine learning is also discussed.

Day-2:Forenoon Session was on "Machine Learning" by Dr. M. Srinivas, Asst. Prof. Dept. of CSE, from NIT Warangal. In this session Applications of AI & ML were discussed. Machine learning algorithms with test and train data explained. Deep learning introduction was given and the existing CNN models on Imagenet such as Alexnet, ZFnet, and VGGnet-16. VGG net-19, Google net, ResNetwas explained in detail. Applications of Deep learning like classification, segmentation, object detection was explained. Afternoon session was on "Computer Vision and Deep Learning Applications" by Dr. I. Earnest Paul, Asst. Prof. Dept. of CSE, NIT Warangal. In this session Video Analytics using deep learning was discussed. Deep learning models on Video data elaborated like visual pattern recognition using CNN, local receptive field, pooling, weight sharing. Explained about Stacked auto encoder and layer wise training. Explained about transfer learning in Video analytics. Explained about spiking neural networks, behaviour analysis. Discussed a research problem action recognition in video analytics.

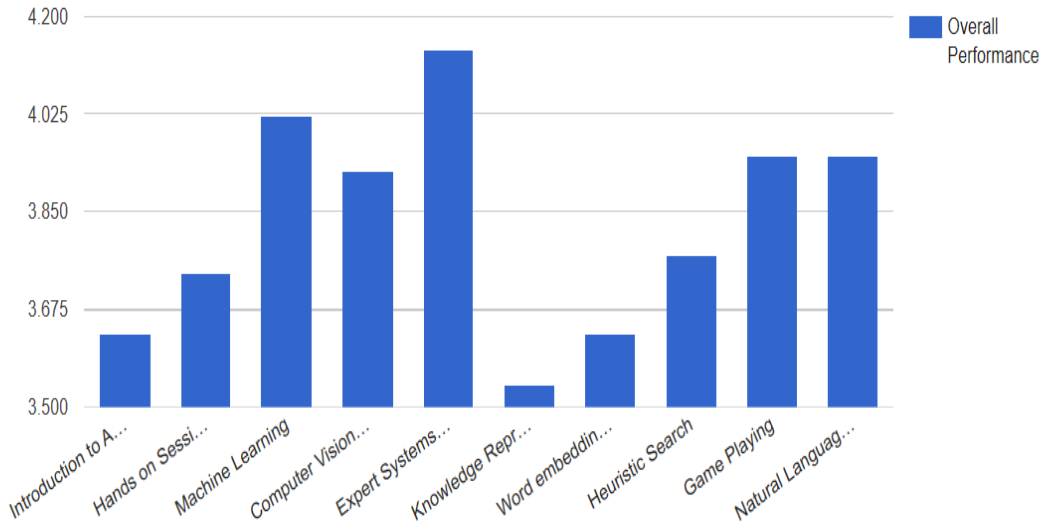
Day-3: Forenoon Session was on "ExpertSystem and Planning" by Dr. K. Swarupa Rani, Assoc. Prof., School of Computer and Information Sciences, UoH, Hyderabad. Development of expert systems was explained. Problem solving methods, identification of novel problem, enhancing the existing methodology and comparison of existing methods explained. Existing expert systems explained. Planning agents was explained. partial order plan with example explained, Total order plan with example explained. Difference between PoP and ToP was explained with example. STRIPS example was explained in terms of planning. Afternoon session was on "Reasoning" by Prof.Rajeswara Rao, Professor of CSE, UCE,Vijayanagaram-JNTUK. Significance of reasoning and types of reasoning discussed, truth maintenance systems – justification based and assumption based with illustrations were given.Symbolic reasoning and statistical reasoning topics were dealt. Uncertainty reasoning with probabilistic reasoning was covered in detail. Certainty factors, rule based systems, Bayesian networks, Dampster-Shafer theory and fuzzy logic concepts were explored.

Day-4: Forenoon Session on "Knowledge Representation" by Dr. P. Suresh, Prof. CBIT, Hyderabad. Different slot-filler structures were discussed and predicate logic for knowledge representation with suitable example statements and case studies covered. Afternoon Session on "Word Embeddings and deep Learning" by Mr. Venkat Challa Product Manager From DataJango, Hyderabad. Python natural language tool kit with respective tools to be explained with case study on word embedding. Deep learning convolution neural network hands on session in the lab is planned. End-to-end project will be carried out pertaining to natural language processing , named entity recognition with scikit learn tool kit.

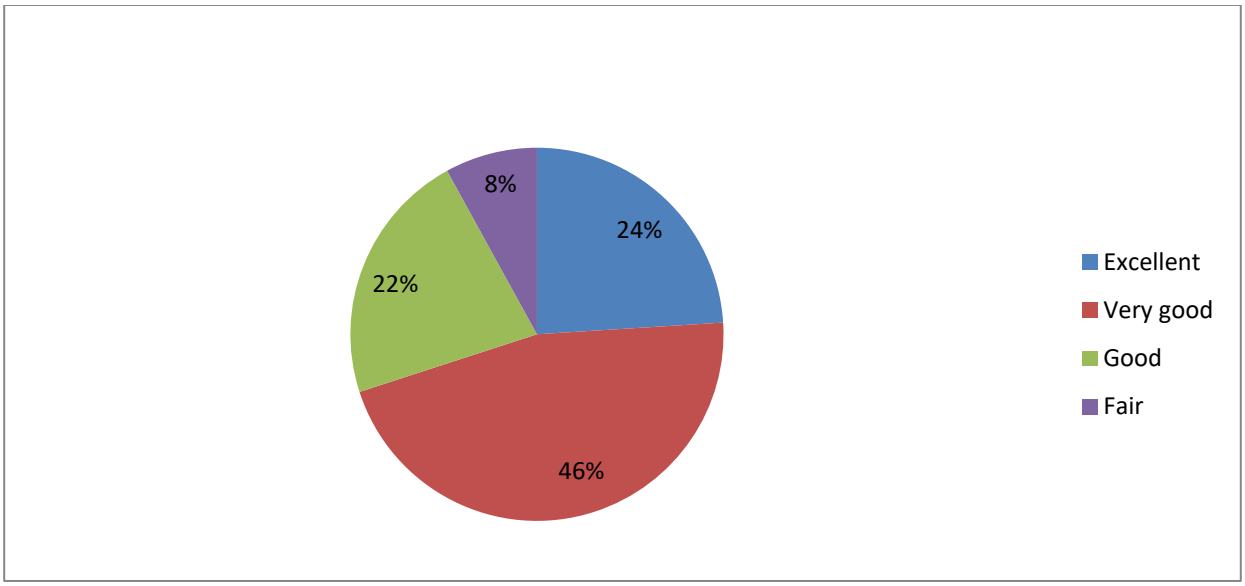
Day-5: Forenoon Session 10:00 to 11:30 am on “Heuristic Search Algorithms” by Prof. M. Nagaratna, Prof.of CSE, JNTUH CE, Hyderabad. Various algorithms – A*, Best first search, iterative deepening search to be explained. 11:45AM to 1:15PM “Game Playing” by Dr. Supreethi. K.P. Prof.of CSE – game as state space search, alpha-beta pruning in min-max algorithm, various games, board games in specific to be discussed.Chess, checkers, backgammon, kalah, Othello games. Afternoon Session on “Natural Languages Text Processing Using Machine Learning” by Prof. B. Vishnu Vardhan Prof.of CSE & Vice-Principal, JNTUH Manthani. Challenges in natural language text processing and various models and techniques pertaining to both English and Telugu will be discussed.



Session wise feedback on 5 Point scale



Overall Program Feedback



Faculty Development Programme on

"Blockchain Technology"
(27-01-2020 to 31-01-2020)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State, INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Blockchain Technology",** at UGC – Human Resource Development Centre, JNTU Hyderabad during the period **27-01-2020 to 31-01-2020**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar / Principal / Director with Seal

Place:
Date :

Boarding and Lodging:
Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:
The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:
UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application : **20-01-2020**
at UGC - HRDC, JNTUH, Hyderabad

Intimation of Selection to the candidates through e-mail/web : **21-01-2020**

Program Commencement : **27-01-2020**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Faculty Development Programme
on
"Blockchain Technology"
(27-01-2020 to 31-01-2020)

Sponsored by

All India Council for Technical Education

Coordinator
Mrs. E. Hemalatha
Asst. Professor, Dept. of CSE, JNTUHCEH

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

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Objectives:

The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society.

During the current academic year 2019-20, a five day Faculty Development Programme on **"Blockchain Technology"** is proposed to be organized during **27-01-2020 to 31-01-2020,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first - come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty members from the Dept. of CSE & ECE.**
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:

There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.

If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Introduction to Blockchain Technology**
- **Blockchain Technology History**
- **Digital Crypto Currencies**
- **Distributed Ledgers**
- **Design Primitives: Protocols, Security, Consensus, Permissions, Privacy**
- **Blockchain Architecture and Design**
- **Basic crypto Primitives: Hash, Signature, Hashchain to Blockchain**
- **Basic consensus mechanism**
- **Case Studies**

Resource Persons are drawn from IITs, NITs, JNTUH and other Universities, Industries and R&D organizations.

APPLICATION FORM

Faculty Development Programme on "Blockchain technology"

(27-01-2020 to 31-01-2020)

Name: ……

Date of Birth & Age: ……

Gender (M / F): ……

Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……

Designation :

Department:

Pay Scale & Present Basic :

Institution :

Affiliating University:

Address for Communication:

……

……

……

……

College Address:

……

……

….

Phones Nos:

(O)……

(R)……

MOBILE:…… Fax:……

E - mail ID: ……

Accommodation Required? YES / NO

AICTE Sponsored Five Day Faculty Development Programme on

"Blockchain Technology" (27-01-2020 to 31-01-2020)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
27-01-2020 Monday	Inauguration **Introduction to BlockChain** By **Dr. Subba Rao Y V** Assoc. Professor, SCIS HCU, Hyderabad	TEA BREAK	**Introduction to BlockChain** By **Dr. Subba Rao Y V** Assoc. Professor, SCIS Hyderabad Central University Hyderabad	LUNCH BREAK	**Permissionless Blockchains: Bitcoins** By **Dr. Subba Rao Y V** Assoc. Professor, SCIS Hyderabad Central University Hyderabad	TEA BREAK	**Permissioned Block Chians: HyperLedgerFabric** By **Dr. N.Rukma Rekha** Assoc. Professor, SCIS Hyderabad Central University Hyderabad
28-01-2020 Tuesday	**Basics Of BitCoin, Bitcoin lab** By **Mr.Mohit Bathla** IT Project Management || BFSI Domain || Certified Blockchain Expert Hyderabad		**Cryptography & Encryption Techniques used in Permissionless and Permissioned Blockchains** By **Mr.Mohit Bathla** IT Project Management || BFSI Domain || Certified Blockchain Expert		**Introduction to HyperLedger Framework** By **Ms. Savitha S** Founder & CEO IT Project Management || BFSI Domain (Xcelero Team) Sustenance's Growth Cultivation Pvt. Ltd., Hyderabad		**HyperLedger Smart Contract Execution** By **Ms. Savitha S** Founder & CEO IT Project Management || BFSI Domain (Xcelero Team) Sustenance's Growth Cultivation Pvt. Ltd., Hyderabad
29-01-2020 Wednesday	**Basic Consensus Mechanisms** By **Dr. Sathya Peri** Associate Professor, Dept. of CSE IIT Hyderabad, Kandi T.S.		Alternate Consensus Mechanisms By **Dr. Sathya Peri** Associate Professor, Dept. of CSE IIT Hyderabad, Kandi T.S.		**Blockchain and Truth : Case study, Certifications in BlockChain, Job opportunities** By **Dr. Kannan Srinathan** Asst. Professor, IIIT Hyderabad		**Deployment of Blockchain Application on Hyperledger Fabric** By **Mrs. C. Sireesha** Principal Technical Officer CDAC, Hyderabad
30-01-2020 Thursday	**Introduction to solidity(Operators,Conditional Functions)** By **Ms.S. Savitha,** Blockchain Technical Architect, Government Blockchain Association (GBA)		**Access modifiers, Function modifiers in Blockchain Technology** By **Ms. S. Savitha,** Blockchain Technical Architect, Government Blockchain Association (GBA)		**Debugging, Logging, Viewing Live Transaction logs** By **Ms. S. Savitha,** Blockchain Technical Architect, Government Blockchain Association (GBA)		**Overview of Corda** By By **Ms. S. Savitha,** Blockchain Technical Architect, Government Blockchain Association (GBA)
31-01-2020 Friday	**Inheritance, Multiple Contracts, Modifiers, Checkers, Error Handling Mechanisms** By **Mr. Prasanth Kumar Sahoo** System Engineer, TCS, Hyd		**Data Structures in solidity (Arrays, Mapping, Struct, nested Arrays)** By **Mr. Prasanth Kumar Sahoo** System Engineer, TCS, Hyderabad		**Introduction To Web3.js (Receiving, Sending data, Interacting with Web3.js)** By **Mr. Prasanth Kumar Sahoo** System Engineer, TCS, Hyderabad		**Introduction To Web3.js (Receiving, Sending data, Interacting with Web3.js)** By **Mr. Prasanth Kumar Sahoo** System Engineer, TCS, Hyderabad

AICTE sponsored Five Day Faculty Development Programme on

"Blockchain Technology"

(27-01-2020 to 31-01-2020)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Dr. Subba Rao Y V Assoc. Professor, SCIS Hyderabad Central University Hyderabad	Introduction to BlockChain Permissionless Blockchains: Bitcoins	9849032583	yvsrcs@uohyd.ac.in
2	Dr. N.Rukma Rekha Assoc. Professor, SCIS Hyderabad Central University Hyderabad	Permissioned Block Chians: HyperLedgerFabric	9885333934	rukmarekha@uohyd.ac.in
3	Mr.Mohit Bathla IT Project Management || BFSI Domain || Certified Blockchain Expert (Decentrum, Co-Founder) Hyderabad	Basics Of BitCoin, Bitcoin lab Cryptography & Encryption Techniques used in Permissionless and Permissioned Blockchains	7032770109	mohit.bathla86@gmail.com
4	Ms. Savitha S Founder & CEO IT Project Management || BFSI Domain (Xcelero Team) Sustenance's Growth Cultivation Pvt. Ltd., Hyderabad	Introduction to HyperLedger Framework HyperLedger Smart Contract Execution Introduction to solidity(Operators, Conditional Functions) Access modifiers, Function modifiers in Blockchain Technology Debugging, Logging, Viewing Live Transaction logs Overview of Corda	9100932495	savita.s@xcelero.in

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
5	Dr. Sathya Peri Associate Professor, Dept. of CSE IIT Hyderabad, Kandi T.S.	Basic Consensus Mechanisms	7032397980	sathya_p@iith.ac.in
6	Dr. Kannan Srinathan Asst. Professor, IIIT Hyderabad	Blockchain and Truth : Case study, Certifications in BlockChain, Job opportunities	9885311702	srinathan@iiit.ac.in
7	Mrs. C. Sireesha Principal Technical Officer CDAC, Hyderabad	Deployment of Blockchain Application on Hyperledger Fabric	9966235312	sireeshac@cdac.in
8	Mr. Prasanth Kumar Sahoo System Engineer, TCS, Hyderabad	Inheritance, Multiple Contracts, Modifiers, Checkers, Error Handling Mechanisms	9030642857	prasanthsahoo45@gmail.com
		Data Structures in solidity (Arrays, Mapping, Struct, nested Arrays)		
		Introduction To Web3.js (Receiving, Sending data, Interacting with Web3.js)		
9	Mrs. E. Hemalatha Asst. Professor, Dept. of CSE, JNTUHCEH Hyderabad	Courses Coordinator	9985979195	hemamorarjee@jntuh.ac.in

AICTE – Sponsored Five Days Faculty Development Programme on

"Blockchain Technology"

(27-01-2020 to 31-01-2020)

List of Participants:

S No	Name of the Participant	Designation & Department	College name with full address
1	K. Balakrishna Maruthiram	Assistant Professor (C), Dept. of CSE	JNTUH School of Information Technology, Kukatpally, Hyderabad, T.S.
2	A. Venugopal Rao Alleshwaram	Assistant Professor, Dept. of CSE	Malla Reddy Institute of Technology and Science, Maisammaguda, Secunderabad, T.S.
3	K. Prasanna Kumari	Assistant Professor, Dept. of ECE	Malla Reddy Engineering College and Management Sciences, Kistapur, Medchal, T.S.
4	J. Harilal	Assistant Professor, Dept. of ECE	Malla Reddy Engineering College and Management Sciences, Kistapur, Medchal, T.S.
5	Golla Chakrapani	Assistant Professor, Dept. of CSE	Malla Reddy Engineering College and Management Sciences, Kistapur, Medchal, T.S.
6	Dr. Dilip Senapati	Assistant Professor, Dept. of Computer Science	Ravenshaw University, Cuttak, Odisha
7	G. Santosh Kumar	Assistant Professor, Dept. of CSE	Mahaveer Institute of Science & Technology, Bandlaguda, Hyderabad, T.S.
8	G. Rajender	Assistant Professor, Dept. of CSE	Vignana Bharathi Engineering College, Ibrahimpatnam, R.R. Dist., T.S.
9	P. Ajay Kumar	Assistant Professor (C), Dept. of CSE	JNTUH CEH, Kukatpally, Hyderabad, T.S.
10	S. Shiva Reddy	Assistant Professor (C), Dept. of CSE	JNTUH CEH, Kukatpally, Hyderabad, T.S.
11	Rajkumar Patil	Assistant Professor, Dept. of CSE	Malla Reddy Institute of Technology & Science, Maisammaguda, Dhulapally, Secunderabad, T.S.
12	Dr. Rajeshwari Horakeri	Assistant Professor, Dept. of Computer Science	Govt. First Grade College, Hubli, Karnataka
13	Y. Ambica	Assistant Professor (C), Dept. of CSE	JNTUH, SIT, Kukatpally, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
14	Dr. S. Aparna	Assistant Professor, Dept. of CSE	GITAM University, Hyderabad, T.S.
15	Badepally Mallaiah	Assistant Professor, Dept. of IT	Mahaveer Institute of Science & Technology, Bandlaguda, Hyderabad, T.S.
16	Dr. M. Srinivas	Director - R & D	St. Mary's Group of Institutions, Hyderabad, T.S.
17	Sampathkumar Nagilla	Assistant Professor (C) , Dept. of CSE	JNTUH CEH, Kukatpally, Hyderabad, T.S.
18	A. Lalitha	Assistant Professor	Vellore Institute of Technology, Chennai
19	Ramya Ponnada	Assistant Professor, Dept. of IT	G. Narayanamma Institute of Technology & Sciences (A), Shaikpet, Hyderabad, T.S.
20	Dr. Harika Burugadda	Assistant Professor, Dept. of CSE	Vijay Rural Engineering College, Nizamabad, T.S.
21	B. Rajesh Khanna	Assistant Professor (C), Dept. of EEE	JNTUH CEH, Kukatpally, Hyderabad, T.S.
22	G. Natarajashekar	Assistant Professor, Dept. of CSE	Sri Indu College of Engineering & Technology, Sheriguda, R.R. Dist., T.S.
23	B. Gayathri	Assistant Professor, Dept. of CSE	Sri Indu College of Engineering & Technology, Sheriguda, R.R. Dist., T.S.
24	Asma Nikhat	Assistant Professor, Dept. of Computer Science	Govt. College (A), Klalaburagi, Karnataka
25	Ganesh Kumar Pagadala	Assistant Professor, Dept. of IT	Malla Reddy Engineering College, Maisammaguda, Hyderabad, T.S.
26	Gayathri V	Assistant Professor, Dept. of Computer Science	Government Science College, Bangalore, Karnataka
27	Juttu Suresh	Assistant Professor,	Malla Reddy Engineering College, Maisammaguda, Hyderabad, T.S.
28	K S Saraswathi Devi	Assistant Professor, Dept. of Computer Science	Government Science College, Bangalore, Karnataka
29	Khaja Mannanuddin	Assistant Professor, Dept. of CSE	Sumathi Reddy Institute of Technology, Warangal, T.S.
30	Kuppireddy Haripriya	Assistant Professor, Dept. of	Malla Reddy Engineering College & Management, Maisammaguda, Hyderabad, T.S.

S No	Name of the Participant	Designation & Department	College name with full address
31	Litan Das	Assistant Professor, Dept. of Mathematics	Midnapore College, Midnapore, West Bengal
32	M.S. Lakshmi Devi	Assistant Professor, Dept. of Computer Science	Govt. First Grade College, Bangalore, Karnataka
33	Shilpa K	Assistant Professor, Dept. of Computer Science	Govt. Science College, Bangalore, Karnataka
34	Shivkumar Kalburgi	Assistant Professor, Dept. of Computer Science	Govt. College (A), Kalaburagi, Karanataka
35	Smt. Prayaga Siddappa	Assistant Professor, Dept. of Computer Science	Govt. College (A), Kalaburagi, Karanataka
36	Suma M	Assistant Professor, Dept. of Computer Science	Govt. Science College, Bangalore, Karnataka
37	Uday Bhaskar	Lecturer, Dept. of Computer Science	Government College (A), Ananthapur, A.P.
38	S. Aparna	Assistant Professor, Dept. of CSE	GITAM University, Hyderabad, T.S.
39	Tahneyath Ahmed	Assistant Professor, Dept. of CSE	Bhoj Reddy Engineering College for Women, Santosh Nagar, Saidabad, Hyderabad, T.S.
40	Madhavilatha Panem	Assistant Professor, Dept. of CSE	Malla Reddy Engineering College & Management, Maisammaguda, Hyderabad, T.S.
41	S. Abhishek Yadav	Assistant Professor, Dept. of IT	Malla Reddy Engineering College & Management, Maisammaguda, Hyderabad, T.S.
42	Sasikala Vunnam	Assistant Professor, Dept. of	BVRIT, Narsapur, Medak, T.S.

- **42 participants have registered for the program, out of which 23 participants were successfully completed the program.**

AICTE sponsored Five Day Faculty Development Programme on

"Blockchain Technology"

(27-01-2020 to 31-01-2020)

REPORT:

A five-day Faculty Development Program on "Blockchain Technology" sponsored by AICTE and organized by UGC-HRDC, JNTUH is started on 27th January 2020 at 10 Am with an inaugural by Dr. E. Saibaba Reddy Sir, Principal-JNTUHCEH. The dignitaries on the stage were Dr. G. K. Vishwanath, Director, UGC-HRDC, JNTUH, and Professor of Civil Engineering Department.

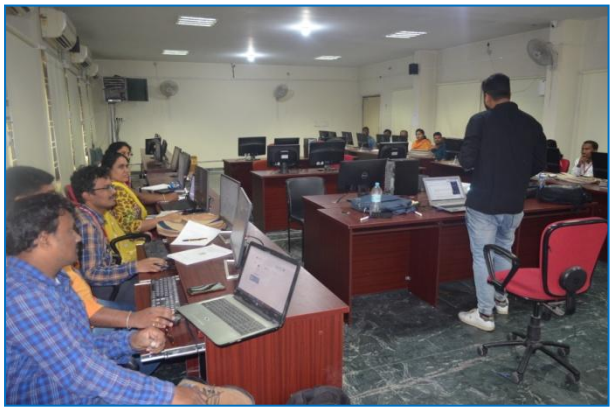
A total numbr of 42 participants have registered for the program, out of which 23 participants were successfully completed the program.

Opening remarks of the FDP were delivered by me (FDP Coordinator) in presenting the objectives and importance of Blockchain Technology in the digital era, followed by an introductory session on Blockchain Technology by Dr. Y.V. Subba Rao, Associate Professor of SCIS, HCU.

Dr. Y. V. Subba Rao sir has given the following prerequisites of Digital Signatures, Encryption Mechanisms, and CryptoCurrencies.

The next Session was covered by Dr. Rukma Rekha, of HCU. Rukma's talk on Hyper ledger Fabric from the basics to business use-cases, an introduction to Hyperledger, Permission vs Permissionless Blockchains and architecture of hyperledger fabric was well received by the participants as an interactive session.

The second day started with a lecture on the basics of Bitcoin, a double-spend problem, introduction to Docker and Containers by Mr. Mohith Bathla. Mohit is Co-Founder and Core-Member of Dcentrum community, DCentrum, a co-learning community that was started by young and passionate technology enthusiasts in Hyderabad, India. It is supported by Govt. Of Telangana. The session continued with a hands-on session giving demo on the design to the deployment phase of Fishing application on hyperledger fabric using the NodeJS framework.



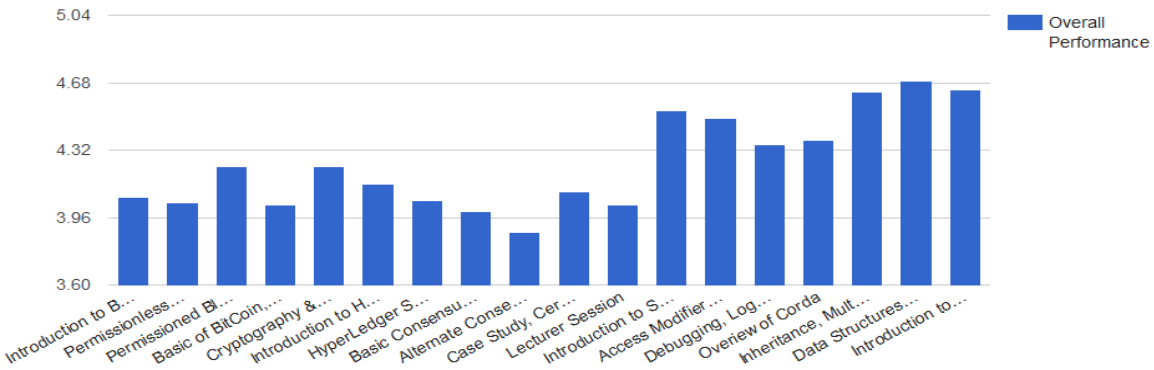
The third day started off by Dr. Sathya peri, Associate Professor in the Department of CSE, IIT Hyderabad on Distributed algorithms for blockchain, byzantine consensus, and interactive consensus, Phase king algorithm, Blockchain consensus, and discussion continues with a small assignment on Phase King algorithm on Non-Binary Consensus.

The afternoon session was started by Dr. Kannan Srinathan, Professor of IIITHyderabad on the topic: Blockchain and Truth, where the session includes an introduction to Turing Machines, Role of Cryptography in Blockchains, Fast Computations of Primes in RSA and Comparison of various number systems. Followed by Ms. C. Sirisha, Principal Technical Officer, R&D, and CDAC giving a demo on Transport application using hyperledger fabric and writing smart contracts in hyperledger fabric.

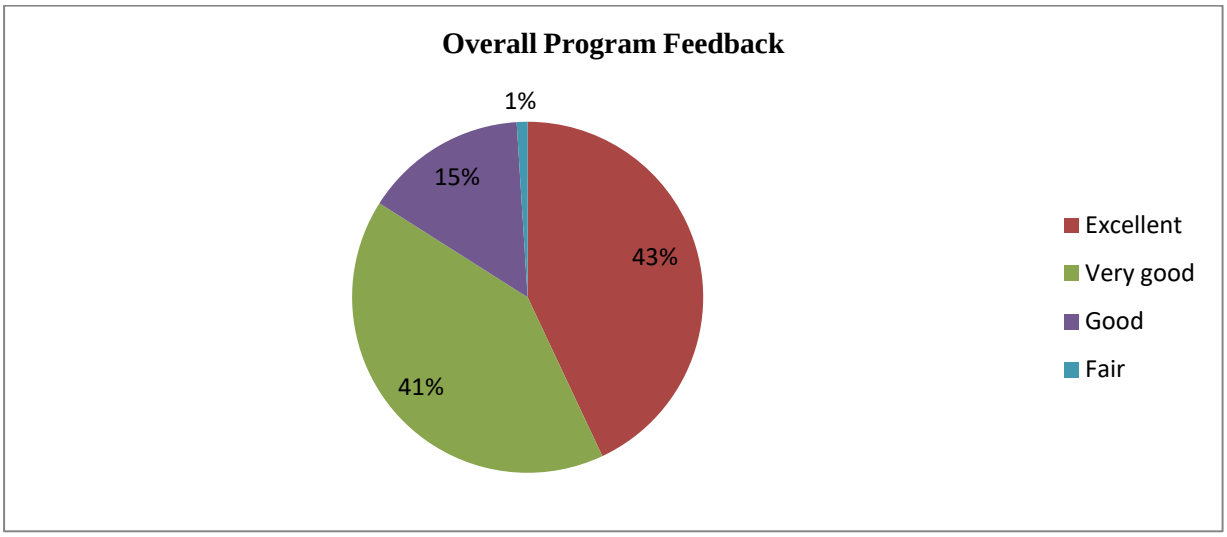
The fourth-day talk was started by Rao Gaddam, a Blockchain Technical Architect and Lead of Government Blockchain Association, Amravati Chapter, Andhra Pradesh, on introduction to ethereum, Virtual Machine, followed by giving a hands-on demo on basics programming concepts of Solidity using Remix IDE, modifiers, functions, operators, Debugging concepts in Solidity.

The Fifth-day session was started by Prashanth Sahoo, from TCS, Certified Blockchain Expert, Certified Scrum Master, Solidity Developer, Professional Scrum Master. Prashanth has given a talk on Ethereum Smart Contract followed by a practical session on designing and implementing smart contracts using ethereum framework by installing Ganache, Metamask and Building front-end using Web3.JS.

Session Wise Feed Back on 5 Point Scale



Overall Program Feedback



Faculty Development Programme on

"Hydraulics and Hydraulic Machines"
(27-01-2020 to 31-01-2020)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State, INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Hydraulics and Hydraulic Machines",** at UGC –Human Resource Development Centre, JNTU Hyderabad during the period **27-01-2020 to 31-01-2020**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar /
Principal / Director with Seal

Place:
Date :

Boarding and Lodging:
Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:
The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:
UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application at UGC - HRDC, JNTUH, Hyderabad : **20-01-2020**

Intimation of Selection to the candidates through e-mail/web : **21-01-2020**

Program Commencement : **27-01-2020**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Faculty Development Programme on "Hydraulics and Hydraulic Machines"

(27-01-2020 to 31-01-2020)

Sponsored by

All India Council for Technical Education

Coordinator

Dr. G.K. Viswanadh
Professor of Civil Engineering &
Director, UGC-HRDC, JNTUH
Hyderabad

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

The Constituent Engineering Colleges and Units/Schools of JNTUH are offering B.Tech. in 9 branches, M.Tech in 27 specializations, M.Pharmacy in 3 specializations, M.Sc. in 4 specializations, MBA and MCA, and Five-year Integrated Dual Degree Masters Programme in 10 specializations with M.Tech./MBA. Additionally, MS, M.Phil and Ph.Dprogrammes in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with many International and National organizations/universities/ institutions/industries.

Objectives:

The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society.

During the current academic year 2019-20, a five day Faculty Development Programme on **"Hydraulic and Hydraulic Machines"** is proposed to be organized during **27-01-2020 to 31-01-2020,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first -come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty members from the Dept. of Civil Eggineering**
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:

There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.

If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Open Channel Hydraulics**
- **Hydraulic similitude**
- **Basics of Turbomachinery**
- **Hydraulic turbines**
- **Centrifugal pumps**

Resource Persons are drawn from IITs, NITs, JNTUH and other Universities, Industries and R&D organizations.

APPLICATION FORM

Faculty Development Programme on "Hydraulics and Hydraulic Machines"

(27-01-2020 to 31-01-2020)

Name: ……

Date of Birth & Age: ……

Gender (M / F): ……

Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……

Designation :

Department:

Pay Scale & Present Basic :

Institution :

Affiliating University:

Address for Communication:

……

……

……

…

College Address:

……

……

Phones Nos:

(O)……

(R)……

MOBILE:…… Fax:……

E - mail ID: ……

Accommodation Required? YES / NO

AICTE Sponsored Five Day Faculty Development Programme on

"Hydraulics and Hydraulic Machines" (27-01-2020 to 31-01-2020)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
27-01-2020 Monday	**Dimensional Analysis** By **Dr. GK Viswanadh** Professor of Civil Engg., & Director, UGC-HRDC JNTUH		**Dimensional Analysis** By **Dr. GK Viswanadh** Professor of Civil Engg., & Director, UGC-HRDC JNTUH		**Turbomachinery** By **Dr. MVSS Giridhar** Professor, Centre for Water Resources, IST, JNTUH		**Turbomachinery** By **Dr. MVSS Giridhar** Professor, Centre for Water Resources, IST, JNTUH
28-01-2020 Tuesday	**Open Channel Hydraulics** **By** **Dr. Prabhat Kumar Singh** Professor, Dept. of Civil Engineering IIT Banaras Hindu University Varanasi		**Open Channel Hydraulics** **By** **Dr. Prabhat Kumar Singh** Professor, Dept. of Civil Engineering IIT Banaras Hindu University Varanasi		**Open Channel Hydraulics** **By** **Dr. Prabhat Kumar Singh** Professor, Dept. of Civil Engineering IIT Banaras Hindu University Varanasi		**Open Channel Hydraulics** **By** **Dr. Prabhat Kumar Singh** Professor, Dept. of Civil Engineering IIT Banaras Hindu University Varanasi
29-01-2020 Wednesday	**Turbomachinery** By **Dr. MVSS Giridhar** Professor, Centre for Water Resources, IST, JNTUH	TEA BREAK	**Turbomachinery** By **Dr. MVSS Giridhar** Professor, Centre for Water Resources, IST, JNTUH	LUNCH BREAK	**Hydraulic Turbines** By **Dr. MVSS Giridhar** Professor, Centre for Water Resources, IST, JNTUH	TEA BREAK	**Hydraulic Turbines** By **Dr. MVSS Giridhar** Professor, Centre for Water Resources, IST, JNTUH
30-01-2020 Thursday	**Pumps – Definition, Classification** By **Dr. VNK Rao** Assoc. Professor, Dept. of Civil Engineering NIT Warangal		**Centrifugal Pumps – Components, Classification** By **Dr. VNK Rao** Assoc. Professor, Dept. of Civil Engineering NIT Warangal		**Installation Details – Classificationtypes; heads-losses and efficiencies etc.** By **Dr. VNK Rao** Assoc. Professor, Dept. of Civil Engineering NIT Warangal		**Multistage pumps – pumps in parallel – performance of pumps – characteristic curves – NPSH - cavitation** By **Dr. VNK Rao** Assoc. Professor, Dept. of Civil Engineering NIT Warangal
31-01-2020 Friday	**Hydraulic Turbines** By **Dr. MVSS Giridhar** Professor, Centre for Water Resources, IST, JNTUH		**Lab. Session on Hydraulics** By **Dr. S. Vidyavathi** Professor, Dept. of Civil Engg., JNTUH, Hyderabad		**Hydraulic Similitude** By **Dr. GK Viswanadh** Professor of Civil Engg., & Director, UGC-HRDC JNTUH		**Hydraulic Similitude** By **Dr. GK Viswanadh** Professor of Civil Engg., & Director, UGC-HRDC JNTUH

AICTE sponsored Five Day Faculty Development Programme on

"Hydraulics and Hydraulic Machines"

(27-01-2020 to 31-01-2020)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Dr. GK Viswanadh Professor of Civil Engg., & Director, UGC-HRDC JNTUH, Hyderabad & Course Coordinator	Dimensional Analysis Hydraulic Similitude	9849163875	gkviswanadh@jntuh.ac.in
2	Dr. MVSS Giridhar Professor, Centre for Water Resources, IST, JNTUH, Hyderabad	Turbomachinery Hydraulic Turbines	9440590695	mvssgiridhar@gmail.com
3	Dr. Prabhat Kumar Singh Professor, Dept. of Civil Engineering IIT Banaras Hindu University Varanasi	Open Channel Hydraulics	8004929356	pksd@bhu.ac.in
4	Dr. VNK Rao Assoc. Professor, Dept. of Civil Engineering NIT Warangal	Pumps – Definition, Classification Centrifugal Pumps Components, Classification Installation Details Classificationtypes; heads-losses and efficiencies etc. Multistage pumps – pumps in parallel – performance of pumps – characteristic curves – NPSH - cavitation	-	vnk1959@gmail.com
5	Dr. S. Vidyavathi Professor, Dept. of Civil Engg., JNTUH, Hyderabad	Lab. Session on Hydraulics	9392493533	vidyasom@jntuh.ac.in

AICTE sponsored Faculty Development Programme on

Faculty Development Programme on "Hydraulics and Hydraulic Machines"

(27-01-2020 to 31-01-2020)

List of Participants:

S No	Name of the Participant	Designation & Department	College name with full address
1	Merugu Raghu Vardhan	Assistant Professor, Dept. of Civil Engineering	Sree Visveswarya Institute of Technology & Science, Mahabubnagar, T.S.
2	P. Sandeep Chandra	Assistant Professor, Dept. of Civil Engineering	Malla Reddy Institute of Technology & Science, Maisammaguda, Dhulapally. Secunderabad, T.S.
3	B. Suresh Kumar	Assistant Professor, Dept. of Civil Engineering	Malla Reddy Institute of Technology & Science, Maisammaguda, Dhulapally. Secunderabad, T.S
4	Y V Bhavani Sai Kumar	Assistant Professor, Dept. of Civil Engineering	J.B. Institute of Engineering & Technology, Moinabad, Hyderabad, T.S.
5	Bandige Vinay Kumar	Assistant Professor, Dept. of Civil Engineering	Sree Visveswarya Institute of Technology, Mahabubnagar, T.S.
6	P. Yashwanth	Associate Professor, Dept. of Civil Engineering	CVR College of Engineering, Ibrahimpatnam, R.R. Dist., T.S.
7	Kona Mahesh	Assistant Professor, Dept. of Civil Engineering	CVR College of Engineering, Ibrahimpatnam, R.R. Dist., T.S.
8	Mamidala Rajkumar	Assistant Professor, Dept. of Civil Engineering	Jyothishmathi Institute of Technology & Science, Karim nagar, T.S.
9	Nallanichakravarthula Sai Prathap	Assistant Professor, Dept. of Mechanical Engineering	Mother Teresa Institute of Science & Technology, Sathupally, Khammam, T.S.
10	Bikkumalla Narendra	Assistant Professor, Dept. of Civil Engineering	Mother Teresa Institute of Science & Technology, Sathupally, Khammam, T.S.
11	Jeldi Anand Kumar	Assistant Professor, Dept. of Civil Engineering	Vignana Bharathi Engineering College, Ibrahimpatnam, R.R. Dist., T.S.
12	E. Malathi	Assistant Professor, Dept. of Civil Engineering	Vaageswari College of Engineering, LMD Poloce Station, Karimnagar, T.S.
13	Paila Ashwini	Assistant Professor, Dept. of Civil Engineering	Malla Reddy Institute of Technology & Science, Maisammaguda, Hyderabad, T.S.

S no	Name of the Participant	Designation & Department	College name with full address
14	S. Venkat Charyulu	Assistant Professor, Dept. of Civil Engineering	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
15	S. Siva Jyothi	Assistant Professor, Dept. of Civil Engineering	Malla Reddy Institute of Technology & Management Science, Maisammaguda, Hyderabad, T.S.
16	Sagar Kshirsagar	Assistant Professor, Dept. of Civil Engineering	BVRIT, Narsapur, Hyderabad, T.S.
17	L. Jyothi	Assistant Professor, Dept. of Civil Engineering	Mahaveer Institute of Science & Technology, Hyderabad, T.S.
18	Rathod Ravinder	Assistant Professor, Dept. of Civil Engineering	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad, T.S.
19	Usha K	Assistant Professor, Dept. of Civil Engineering	Balaji Institute of Technology & Science, Narsempet, Warangal, T.S.
20	N. Snehasree	Assistant Professor, Dept. of Civil Engineering	Balaji Institute of Technology & Science, Narsempet, Warangal, T.S.
21	Shravan Kumar S.M.	Assistant Professor, Dept. of Civil Engineering	Sreenidhi Institute of Science & Technology, Ghatkesar, Hyderabad, T.S.
22	Hareesha Kempallera	Assistant Professor, Dept. of Civil Engineering	Medak College of Engineering & Technology, Siddipet, T.S.
23	S. Lokeswari	Assistant Professor, Dept. of Civil Engineering	Matru Sri Engineering College, Saidabad, Hyderabad, T.S.
24	M. Rajitha	Assistant Professor, Dept. of Civil Engg.,	JNTUH College of Engineering Manthani, T.S.
25	V. Deepthi	Assistant Professor, Dept. of Civil Engineering	Bharath Institute of Engineering & Technology, Ibrahimpatnam, R.R. Dist., T.S.
26	Shaik Shayza	Assistant Professor, Dept. of Civil Engineering	Bharath Institute of Engineering & Technology, Ibrahimpatnam, R.R. Dist., T.S.
27	A. Rajani	Assistant Professor, Dept. of Civil Engineering	Kommuri Pratap Reddy Institute of Technology, Ghatkesar, Hyderabad, T.S.

S no	Name of the Participant	Designation & Department	College name with full address
28	S. Swetha	Assistant Professor, Dept. of Civil Engineering	Kommuri Pratap Reddy Institute of Technology, Ghatkesar, Hyderabad, T.S.
29	Abhinay	Assistant Professor, Dept. of Civil Engineering	Sree Chaitanya College of Engineering, Karimnagar, T.S.
30	B. Tejaswini	Assistant Professor, Dept. of Civil Engineering	Sree Chaitanya College of Engineering, Karimnagar, T.S.
31	E. Nagaraju	Assistant Professor, Dept. of Civil Engineering	Sree Chaitanya College of Engineering, Karimnagar, T.S.
32	Mrs. Tulasi Rani	Assistant Professor, Dept. of Civil Engineering	Guru Nanak Institute of Technology, Ibrahimpatnam, Hyderabad, T.S.
33	Mr. Vamshi Krishna	Assistant Professor, Dept. of Civil Engineering	Guru Nanak Institute of Technology, Ibrahimpatnam, Hyderabad, T.S.
34	Mohammed Mohisin	Assistant Professor, Dept. of Civil Engineering	Sree Chaitanya Institute of Technology, LMD thimmapur, Karimnagar, T.S.
35	Katakam Raju	Assistant Professor, Dept. of Civil Engineering	Sree Chaitanya Institute of Technology, LMD thimmapur, Karimnagar, T.S.
36	Dheemu Lavanya	Assistant Professor, Dept. of Civil Engineering	TKR Engineering College, Meerpet, Hyderabad, T.S.
37	Bayya Suresh	Assistant Professor, Dept. of Civil Engineering	TKR Engineering College, Meerpet, Hyderabad, T.S.
38	Akkinepally Swamy	Assistant Professor, Dept. of Civil Engineering	Aurora's Technological and Research institute, Parvathapur, Uppal, Hyderabad, T.S.
39	V. Sravya	Assistant Professor, Dept. of Civil Engineering	TKR Engineering College, Meerpet, Hyderabad, T.S.
40	T. Manorama Kumari	Assistant Professor, Dept. of Civil Engineering	Maulana Azad Urdu University, Gachibowli, Hyderabad, T.S.
41	Rakam Abhinay	Assistant Professor, Dept. of Civil Engineering	Sree Chaitanya Institute of Technology, LMD thimmapur, Karimnagar, T.S.

- **41 participants have registered for the program, out of which 28 participants were successfully completed the program.**

AICTE sponsored Five Day Faculty Development Programme on

"Hydraulics and Hydraulic Machines"

(27-01-2020 to 31-01-2020)

REPORT:

The five day Faculty Development Programme on "Hydraulics and Hydraulic Machines" is sponsored by All India Council for Technical Education (AICTE) and coordinated by Dr. G.K. Viswanadh, Professor of Civil Engineering and Director, UGC-HRDC, JNTUH, and it is organized at UGC – Human Resource Development Centre JNTUH. 41 participants were registered for the programme through online and 28 participants were successfully completed the program,

The main objective of the course is to impart knowledge about various types of channels and flows in channels and also to analyze uniform & non-uniform flows and critical flows, methods of solving fluid flow problems using dimensional analysis techniques, model studies and its importance, hydraulic machine principles and working, model analysis of turbines and pumps etc.

Day-1: The programme was inaugurated by Dr. E. Saibaba Reddy, Professor of Civil Engineering and Principal, JNTUH College of Engineering Hyderabad on 27th January 2020 at 10.00 am. The Forenoon session was on the topic "Dimensional Analysis" by Dr. G.K. Viswanadh, Professor of Civil Engineering and Director, UGC-HRDC, JNTUH. In this session Dr. G.K. Viswanadh gave an insight on Hydraulics and Dimensional Analysis covering the topics Rayleigh's method and Buckingham's pi theorem – Study of Hydraulic models etc. Afternoon session was on "Turbo Machinery" by Dr. MVSS Giridhar Professor, Centre for Water Resources, IST, JNTUH. The topics covered in this session are Hydrodynamic force of jets on stationery and moving flat, inclined and curved vanes, jet striking centrally and at tip etc.

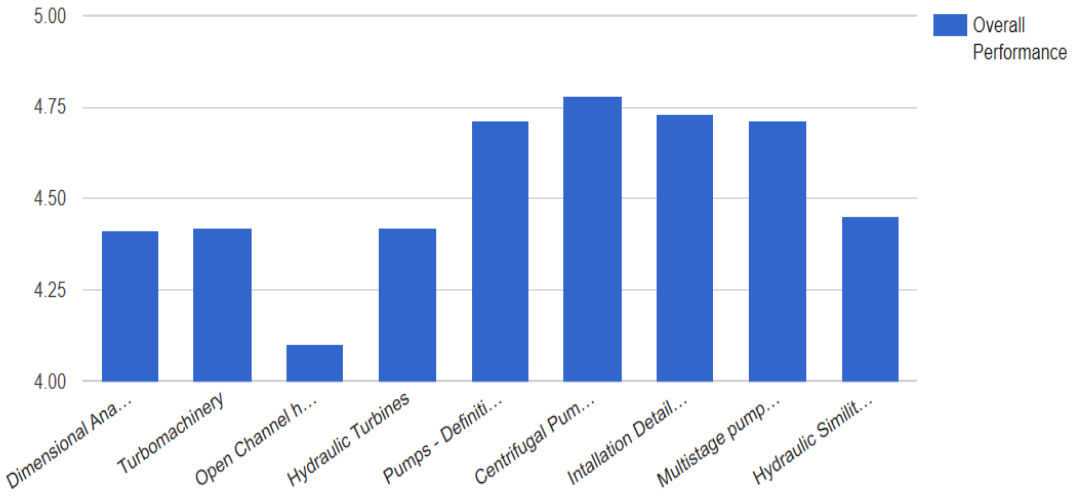
Day-2: Dr. Prabhat Kumar Singh Dikshit, Professor, Dept. of Civil Engineering, Indian Institute of Technology, Banarus Hindu University, Varanasi, has delivered the sessions on "Open Channel Hydraulics". In the Forenoon session the topics Types of Flows – Types of Channels – Velocity distribution – Energy and momentum correction factors – Chezy's, Manning's; and Bazin Formulae for uniform flow – most Economical sections were discussed. In the afternoon session the topics Critical flow; Specific energy – critical depth – computation of critical depth – critical sub-critical and super critical flows, Non uniform flow – Dynamic equation for G.V.F. Mild, Critical, Steep, horizontal and adverse slopes – surface profiles – direct step method – rapidly varied flow, hydraulic jump, energy dissipation were discussed.

Day-3: Forenoon Session was on "Turbo Machinery" by Dr. Dr. M.V.S.S. Giridhar, Professor, Centre for Water Resources, IST, JNTUH. The Velocity triangles at inlet and Outlet, expressions for work done and efficiency – angular momentum principle, Applications to radial flow turbines were explained to the participants. Afternoon session was on "Hydraulic Turbines" by Dr. M.V.S.S. Giridhar, Professor, Centre for Water Resources, IST, JNTUH. The topics on Layout of a typical Hydropower installation – Heads and effiencies – Classification of turbines – pelton wheel-Francis turbine-Kaplan turbine-working, working proportions, velocity diagram, work done and efficiency, hydraulic design, draft tube – theory and function efficiency were discussed.

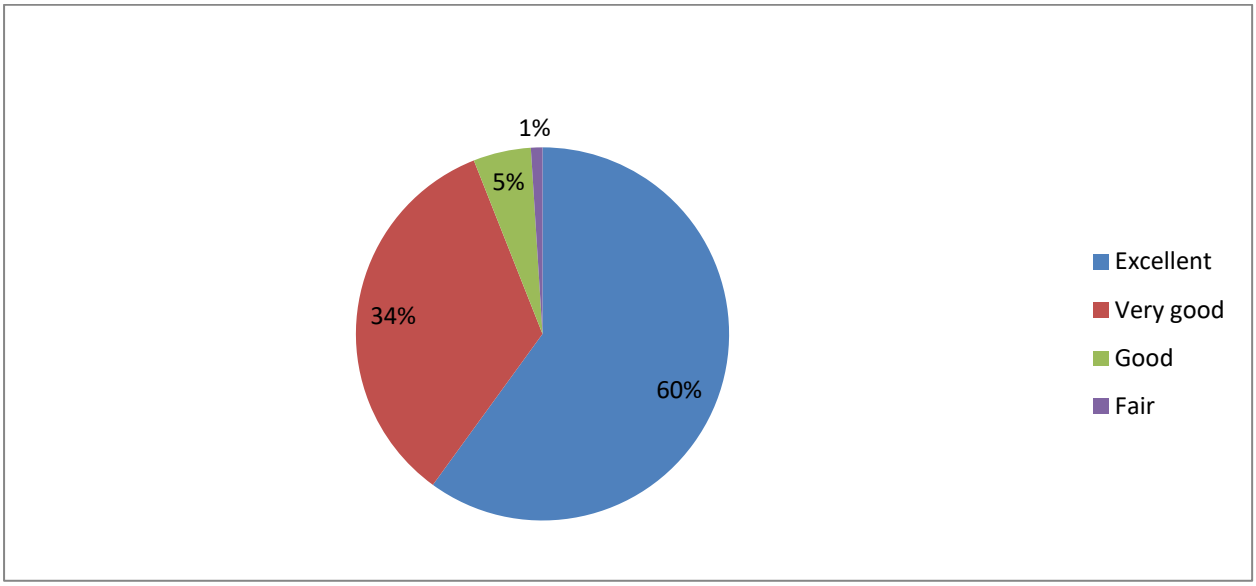
Day-4: Dr. V.N. Kameswara Rao, Professor, Dept. of Civil Engineering, NIT Warangal, Warangal, has delivered the sessions on Pumps – Definition and Classification, Centrifugal Pumps Installation details – classification – types, work done, Manometric head-minimum starting speed – lossed and efficiencies – specific speed multi stage pumps – pumps in parallel – performance of pumps – characterstic curves – NPSH – cavitation etc. In the Afternoon Session Dr. V.N. Kameswara Rao, Professor, Dept. of Civil Engineering, NIT Warangal, Warangal has covered the topics on Classification of Hydropower plants – Definition of terms – load factor, utilization factor, capacity factor, estimation of hydropower potential etc.

Day-5: Forenoon Session 10:00 to 11:30 am is on "Hydraulic Turbines" by Dr. M.V.S.S. Giridhar, Professor, Centre for Water Resources, IST, JNTUH. Governing of Turbines – surge tanks – unit and specific turbines-unit speed – unit quantity – unit power-specific speed performance characteristics – geometric similarity – cavitation were covered. A laboratory session has been arranged from 11.45 to 1.15 pm on 31-01-2020. Dr. S. Vidyavathi, Professor, Dept. of Civil Engineering, JNTUH College of Engineering Hyderabad, explained various experimental set up conducting experiments viz. operations of equipment, obtaining observations and final calculations. Afternoon Session is on "Hydraulic Similitude" by Dr. G.K. Viswanadh, Professor of Civil Engineering and Director, UGC-HRDC, JNTUH. Geometric, Kinematic and dynamic similarities – dimensionless numbers – model and prototype relations, disported and non-disported models will be discussed.

Session wise feedback on 5 Point Scale



Overall Program Feedback



Faculty Development Programme on
"Foundation Engineering"
(03-02-2020 to 07-02-2020)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that_____is a regular employee of our institution since _____, and is hereby sponsored for the FDP on **"Foundation Engineering",** at UGC – Human Resource Development Centre, JNTU Hyderabad during the period **03-02-2020 to 07-02-2020**. From the year _____, our College is affiliated to JNTUH. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar / Principal / Director with Seal

Place:
Date :

Boarding and Lodging:
Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad, on twin sharing basis.

Financial Assistance:
The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Venue:
UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for Receipt of Application : **25-01-2020**
at UGC - HRDC, JNTUH, Hyderabad

Intimation of Selection to the candidates through e-mail/web : **27-01-2020**

Program Commencement : **03-02-2020**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

Address for all Correspondence:

Dr. G.K. Viswanadh
The Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA
040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Faculty Development Programme
on
"Foundation Engineering"
(03-02-2020 to 07-02-2020)

Sponsored by

All India Council for Technical Education

Coordinator

Dr. N. Darga Kumar
Assistant Professor & Head,
Dept. of Civil Engineering,
JNTUHCEM, Manthani

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction: Jawaharlal Nehru Technological University Hyderabad was established in the year 2008 through A.P. Govt. Act No.30. The University jurisdiction spans over the entire Telangana State. JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked 45 in the engineering stream of NIRF Rankings 2019. The University has four constituent colleges and three academic units in addition to twelve administrative units.

The Constituent Engineering Colleges and Units/Schools of JNTUH are offering B.Tech. in 9 branches, M.Tech in 27 specializations, M.Pharmacy in 3 specializations, M.Sc. in 4 specializations, MBA and MCA, and Five-year Integrated Dual Degree Masters Programme in 10 specializations with M.Tech./MBA. Additionally, MS, M.Phil and Ph.Dprogrammes in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with many International and National organizations/universities/ institutions/industries.

Objectives:

The objective of the AICTE – University training programs is to conduct the training for faculty members to prepare them for being successful in a knowledge society.

During the current academic year 2019-20, a five day Faculty Development Programme on **"Foundation Engineering"** is proposed to be organized during **03-02-2020 to 07-02-2020,** in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of 'first - come-first-serve'.

Eligibility:

- **The teachers from AICTE approved Institutions affiliated with JNTUH.**
- **Faculty members from the Dept. of Civil Engineering**
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.

Registration Fee:

There is no Registration fee for the FDP.

How to Apply: A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution should reach the Director, UGC-HRDC, JNTUH, on or before the last date by Email **directorhrdcjntuh@jntuh.ac.in**. The original application need to be submitted on the day of Registration.

If the number of participants received is less than 40, the course may be re-scheduled.

Main Subject Contents:

- **Soil exploration**
- **Soil bearing capacity**
- **Slope stability analysis**
- **Earth pressure analysis**
- **Deep foundations**

Resource Persons are drawn from IITs, NITs, JNTUH and other Universities, Industries and R&D organizations.

APPLICATION FORM

Faculty Development Programme on "Foundation Engineering"

(03-02-2020 to 07-02-2020)

Name: ……

Date of Birth & Age: ……

Gender (M / F): ……

Qualifications:……

Category: SC/ST/OBC/Any other.

Teaching Experience:……

Designation :

Department:

Pay Scale & Present Basic :

Institution :

Affiliating University:

Address for Communication:

……

……

……

College Address:

……

……

Phones Nos:

(O)……

(R)……

MOBILE:…… Fax:……

E - mail ID: ……

Accommodation Required? YES / NO

AICTE Sponsored Five Day Faculty Development Programme on

"Foundation Engineering" (03-02-2020 to 07-02-2020)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
03-02-2020 Monday	**Importance of Foundation Engineering Course in Civil Engineering** By **Prof. E. Saibaba Reddy** Former Principal JNTUHCEH, Hyderabad		**In-Situ Tests in Foundation Engineering** By **Prof. M.R. Madhav** Emeritus Professor, JNTUH & Visiting Professor, IIT Hyderabad		**Soil Exploration (Need, Objectives and Boring & Sampling Methods)** By **Dr. M. V. S. Sreedhar** Professor of Civil Engineering Osmania University		**Soil Exploration (Planning and Preparation of Soil Investigation Report)** By **Dr. M. V. S. Sreedhar** Professor of Civil Engineering Osmania University
04-02-2020 Tuesday	**Shallow Foundations (Types and Choice of Foundation, Bearing Capacity Definitions)** By **Dr. B. R. Phani Kumar** Professor of Civil Engineering S R K R Engineering College Bhimavaram		**Earth Pressure Theories (Rankine's, Coulomb's and Culman's Graphical Methods)** By **Dr. M. Padmavathi** Assoc. Professor, JNTUH College of Engineering Hyderabad		**Slope Stability Analysis (Slopes Types, Failures, Analysis of Infinite Slopes)** By **Dr. B. Umashankar** Assoc. Professor, IIT Hyderabad		**Slope Stability Analysis (Swedish Slip Circle, Method of Slices, Bishop's Method and Taylor's Stability Number)** By **Dr. B. Umashankar** Assoc. Professor, IIT Hyderabad
05-02-2020 Wednesday	**Shallow Foundations (Bearing Capacity from Terzaghi's, Meyerhof's Method)** By **Dr. B. R. Phani Kumar** Professor of Civil Engineering S R K R Engineering College Bhimavaram	**TEA BREAK**	**Shallow Foundations (Bearing Capacity from Vesic's, Hansen's & IS Code Methods and Skempton's Method) by** **Dr. B. R. Phani Kumar** Professor of Civil Engineering S R K R Engineering College Bhimavaram	**LUNCH BREAK**	**Earth Pressure Theories (Types of Retaining Walls, Stability Analysis of Gravity and Cantilever Retaining Wall) by** **Prof. G V N Reddy** Professor, JNTUH College of Engineering Hyderabad	**TEA BREAK**	**Earth Pressure Theories (Introduction to Reinforced Earth Walls and Design Considerations)** **By** **Prof. G V N Reddy** Professor, JNTUH College of Engineering Hyderabad
06-02-2020 Thursday	**Well Foundations (Types, Shapes, Forces, Components, Well Sinking, Tilts & Shifts)** By **Dr. M. Padmavathi** Assoc. Professor, JNTUH College of Engineering Hyderabad		**Stability of Slopes of Earth Dams Under Different Drainage Conditions** By **Prof. E C Nirmala Peter** Professor, JNTUH College of Engineering Hyderabad		**Pile Foundations (Types of Piles, Load Carrying Capacity from Static and Dynamic Formulae)** By **Prof. V. Padmavathi** Professor, JNTUH College of Engineering Hyderabad		**Pile Foundations (Load Carrying Capacity from Pile Load Test, SPT and CPT Results)** By **Prof. V. Padmavathi** Professor, JNTUH College of Engineering Hyderabad
07-02-2020 Friday	**Shallow Foundations (Allowable Settlements and Bearing Pressure Based on SPT & Plate Load Test) By** **Dr. B. R. Phani Kumar** Professor of Civil Engineering S R K R Engineering College		**Pile Foundations (Pile Group Capacity and Settlements)** By **Dr. N. Darga Kumar** Asst. Professor & Head, Dept. of Civil Engineering, JNTUHCE Manthani		**NDT Methods of Quality Control Applications in Foundation Engineering** By **Dr. C. Hari Prasad** Asst. Professor Dept. of Civil Engineering, Mahindra Ecole Centrale Hyderabad		**Well Foundations (Scour Depth, Bearing Capacity and Settlements)** By **Dr. N. Darga Kumar** Asst. Professor & Head, Dept. of Civil Engineering, JNTUHCE Manthani

AICTE sponsored Five Day Faculty Development Programme on

"Foundation Engineering"

(03-02-2020 to 07-02-2020)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	Prof. E. Saibaba Reddy Former Principal JNTUHCEH, Hyderabad	Importance of Foundation Engineering Course in Civil Engineering	9866853636	esreddy1101@jntuh.ac.in esreddy1101@gmail.com
2	Prof. M. R. Madhav Emeritus Professor, JNTUH & Visiting Professor, IIT Hyderabad	In-Situ Tests in Foundation Engineering	9866228583	madhavmr@gmail.com
3	Dr. M. V. S. Sreedhar Professor of Civil Engineering Osmania University	Soil Exploration (Need, Objectives and Boring & Sampling Methods)	9848487187	sreedgteou@gmail.com
		Soil Exploration (Planning and Preparation of Soil Investigation Report)		
4	Dr. B. R. Phani Kumar Professor of Civil Engineering S R K R Engineering College Bhimavaram	Shallow Foundations (Types and Choice of Foundation, Bearing Capacity Definitions)	9894204273	phanikumar_29@yahoo.com
		Shallow Foundations (Bearing Capacity from Terzaghi's, Meyerhof's Method)		
		Shallow Foundations (Bearing Capacity from Vesic's, Hansen's & IS Code Methods and Skempton's Method)		
		Shallow Foundations (Allowable Settlements and Bearing Pressure Based on SPT & Plate Load Test)		

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
5	Dr. M. Padmavathi Assoc. Professor, JNTUH College of Engineering Hyderabad	Earth Pressure Theories (Rankine's, Coulomb's and Culman's Graphical Methods)	9866814305	mpadmace@gmail.com
		Well Foundations (Types, Shapes, Forces, Components, Well Sinking, Tilts & Shifts)		
6	Dr. B. Umashankar Assoc. Professor, IIT Hyderabad	Slope Stability Analysis (Slopes Types, Failures, Analysis of Infinite Slopes)	9652505789, 6302819367.	buma@iith.ac.in
		Slope Stability Analysis (Swedish Slip Circle, Method of Slices, Bishop's Method and Taylor's Stability Number)		
7	Prof. G V N Reddy Professor, JNTUH College of Engineering Hyderabad	Earth Pressure Theories (Types of Retaining Walls, Stability Analysis of Gravity and Cantilever Retaining Wall)	9848170717	gvnreddy.jntuh@gmail.com, gvnreddy_jntu@yahoo.com
		Earth Pressure Theories (Introduction to Reinforced Earth Walls and Design Considerations)		
8	Prof. E C Nirmala Peter Professor, JNTUH College of Engineering Hyderabad	Stability of Slopes of Earth Dams Under Different Drainage Conditions	9000781630	ecnpjntuh@gmail.com

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
9	Prof. V. Padmavathi Professor, JNTUH College of Engineering Hyderabad	Pile Foundations (Types of Piles, Load Carrying Capacity from Static and Dynamic Formulae)	9963058882	vpadma70@gmail.com
		Pile Foundations (Load Carrying Capacity from Pile Load Test, SPT and CPT Results)		
10	Dr. N. Darga Kumar Asst. Professor & Head, Dept. of Civil Engineering, JNTUHCE Manthani & Course Coordinator	Pile Foundations (Pile Group Capacity and Settlements)	7981684732	ndkjntu@gmail.com
		Well Foundations (Scour Depth, Bearing Capacity and Settlements)		
11	Dr. C. Hari Prasad Asst. Professor Dept. of Civil Engineering, Mahindra Ecole Centrale Hyderabad	NDT Methods of Quality Control Applications in Foundation Engineering	9985890022	hari.chennarapu@mechyd.ac.in

AICTE sponsored Faculty Development Programme on

"Foundation Engineering"

(03-02-2020 to 07-02-2020)

List of Participants:

S No	Name of the Participant	Designation & Department	College name with full address
1	Batchu Ramanjaneyulu	Asst. Professor, Dept. of Civil Engineering	CVR College of Engineering, Ibrahimpatnam, Hyderabad, T.S.
2	B. Meena	Assistant Professor ©, Dept. of Civil Engineering	JNTUH CEH, Kukatpally, Hyderabad, T.S.
3	Gajula Venkatesh	Assistant Professor, Dept. of Civil Engineering	Malla Reddy Engineering College (Autonomous), Maisammaguda, Hyderabad, T.S.
4	G. Venkata Sai Prasad	Assistant Professor, Dept. of Civil Engineering	KG Reddy College of Engineering & Technology, Moinabad, Hyderabad, T.S.
5	G. Umamaheswari	Assistant Professor, Dept. of Civil Engineering	Dr. K V Subbareddy College of Engineering for Women, Dupadu (v), Kurnool, A.P.
6	Gulam Quadar	Assistant Professor, Dept. of Civil Engineering	Jayamukhi Institute of Technological Sciences, Narsampet, Warangal, T.S.
7	Ch. Hari Naga Prasad	Assistant Professor, Dept. of Civil Engineering	KG Reddy College of Engineering and Technology, Chilkur (V), R.R. Dist., T.S.
8	G. Sai Deekshith	Assistant Professor (C), Civil Engineering	JNTUH College of Engineering Manthani,Pannur , Ramagiri, Peddapalli, T.S.
9	Shaik Nazma	Assistant Professor, Dept. of Civil Engineering	Dr. K. V. Subba Reddy College of Engineerin for Women, Dupadu (v), Kurnool Dist., A.P.
10	V. Shiva Kumar	Assistant professor, Dept. of Civil Engineering	Pallavi Engineering College, Kuntloor, abdullapurmet, RR Dist., T.S.
11	G. Swetha	Assistant Professor, Dept. of Civil Engineering	Gokaraju Rangaraju Institute of Engineering and Technology, Bachupally, Hyderabad, T.S.
12	A. Purna Ravi Chandra	Associate Professor, Dept. of Civil Engineering	CMR College of Engineering & Technology, Medchal Dist., T.S.

S No	Name of the Participant	Designation & Department	College name with full address
13	B. Dhanalaxmi	Assistant Professor, Dept. of Civil Engineering	Malla Reddy Engineering College (A), Maisammaguda, Secunderabad, T.S.
14	P. Prasanthi	Assistant Professor, Dept. of Civil Engineering	BV Raju Institute of Technology, Narsapur, Medak, T.S.
15	N.A.G.K. Manikanta Kopuri	Assistant Professor, Dept. of Civil Engineering	PVP Siddhartha Institute of Technology, Vijayawada, A.P.
16	B.Hadassa Joice	Assistant Professor, Dept. of Civil Engineering	Jayamukhi Institute of Technological Sciences, Narsampet, Warangal, T.S.
17	Y. Rajitha	Assistant Professor, Dept. of Civil Engineering	Vijaya Engineering College, Ammapalem, Khammam Dist., T.S.
18	Mukesh. P	Assistant Professor, Dept. of Civil Engineering	M. Kumarasamy College of Engineering (Autonomous), Karur, Tamilnadu
19	K. Krishna Teja	Assistant Professor, Dept. of Civil Engineering	Vaagdevi College of Engineering, Warangal, T.S.
20	Ramadugu Ramu	Assistant Professor, Dept. of Civil Engineering	Vaagdevi College of Engineering, Warangal, T.S.
21	Kishore Naik Maloth	Assistant Professor, Dept. of Civil Engineering	Kakatiya Institute of Technology & Science for Women, Nizamabad, T.S.
22	M. Durga Prasanna	Assistant Professor, Dept. of Civil Engineering	PVP Siddhartha Institute of Technology, Vijayawada, A.P.
23	M. Srividya	Assistant Professor, Dept. of Civil Engineering	Matrusri Engineering College, Hyderabad, T.S.
24	Chinthala Balakrishna	Assistant Professor, Dept. of Civil Engineering	Malla Reddy Engineering College (Autonomous), Maisammaguda, Hyderabad, T.S.
25	Dhoddy Paramesh	Assistant Professor, Dept. of Civil Engineering	Sreyas Institute of Engineering and College, Bandlaguda, Nagole, T.S.
26	Dilipkumar Rao	Assistant Professor, Dept. of Civil Engineering	Mahaveer Institute of Science and Technology, Vyasapuri Bandlaguda, T.S

S No	Name of the Participant	Designation & Department	College name with full address
27	J S S K Vasa	Assistant Professor, Dept. of Civil Engineering	Malla reddy Engineering College (Autonomous), Maisammaguda, Hyderabad, T.S.
28	Jagadish S. H	Assistant Professor, Dept. of Civil Engineering	KG Reddy College of Engineering and Technology, Chilkur (V), R.R. Dist., T.S.
29	Kalikar Arundathi	Assistant Professor, Dept. of Civil Engineering	St. Martin's Engineering College, Dhulapally, Near Kompally, Secunderabad, T.S.
30	Katakam Raju	Assistant Professor, Dept. of Civil Engineering	Sree Chaitanya College of Engineering, LMD Colony, Karimnagar, T.S.
31	Mamidi Sai Kumar Sagar	Assistant Professor, Civil Engineering	Mahaveer Institute of Science and Technology, Vyasapuri, Bandlaguda, Hyderabad, T.S.
32	Mamilla Chinna Venkatasubbaiah	Assistant Professor, Civil Engineering	Malla Reddy Engineering College (A), Maisammaguda(H) , Gundlapochampally (V),Medchal (M), Medchal - Malkajgiri Dist., T.S.
33	Padakanti Tejaswini	Assistant Professor, Civil Engineering	Sree Chaitanya College of Engineering, LMD Colony, Karimnagar, T.S.
34	Raja Veerendra Yenigalla	Assistant Professor, Civil Engineering	Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada, T.S.
35	Dasaripalem	Assistant Professor, Civil Engineering	Kallam Haranadhareddy Institute of Technology, Dasaripalem, Guntur, A.P.
36	Rudroji Bhaskar	Lab. Technician, Civil Engineering	Sree Chaitanya College of Engineering, LMD Colony, Karimnagar, T.S.
37	Suthari Bramarambika	Assistant Professor, Civil Engineering	Dr. K. V. Subbareddy College of Engineering For Women’s, Dupadu Village Kurnool, A.P.
38	Eriki Ananda Kumar	Assistant Professor, Civil Engineering	Vijay rural engineering college, Nizamabad, Telangana
39	Thangaman Kothapally	Assistant Professor, Civil Engineering	KG Reddy College of Engineering & Technology, Chilkur(V), R.R. Dist., T.S.
40	Vijay Kumar	Assistant Professor, Civil Engineering	St.Martins Engineering College, Dhulpally, Kompally, Secunderabad , T.S.

- **40 participants have registered for the program, out of which 23 participants were successfully completed the program.**

AICTE sponsored Five Day Faculty Development Programme on

"Foundation Engineering"

(03-02-2020 to 07-02-2020)

REPORT:

The AICTE sponsored 5 - Day faculty development program (FDP) on "Foundation Engineering" was conducted at UGC – HRDC, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad during 03-07' Feb' 2020 with the aim to impart concepts and develop teaching skills to the faculty members who are teaching and going to teach the Foundation Engineering course for B.Tech Civil Engineering students.

The major topics that are covered in the program are:

1. Soil Exploration
2. Slope Stability Analysis
3. Earth Pressure Theories and Retaining Walls
4. Shallow Foundations
5. Pile Foundations
6. Well Foundations

A toal number of 40 participants have registered for the program, out of which 23 participants were successfully completed the program.

The typical course outline of Foundation Engineering course is as follows:
Soil Exploration: The need of soil exploration, methods of soil exploration, boring and sampling methods, in-situ tests, penetration tests such as standard penetration test, static and dynamic cone penetration tests, plate load test, pressure meter test, flat dilatometer test, geophysical methods, mechanical and electromagnetic waves, planning of soil exploration program and preparation of soil investigation report.

Slope Stability Analysis: Need of slope stability analysis, Infinite and finite earth slopes, types of failures of slopes, estimation of factor of safety of infinite slopes, stability analysis and estimation of factor of safety of slope by Swedish slip circle method, method of slices, Bishop's simplified method of slices, Taylor's stability number and its importance, stability of slopes of earth dams under different conditions.

Earth Pressure Theories: Need of earth pressure determination, types of earth pressure, at-rest earth pressure, active and passive earth pressure, Rankine's theory of earth pressure, estimation of earth pressure in layered soils, Coulomb's earth pressure theory, estimation of earth pressure by Culmann's graphical method, effect of pore water and earth pressure due to surcharge loads.

Retaining Walls: Applications of retaining walls, types of retaining walls, stability analysis of gravity and cantilever retaining walls against overturning, sliding and bearing capacity failure modes, drainage from backfill, introduction to reinforced earth walls.

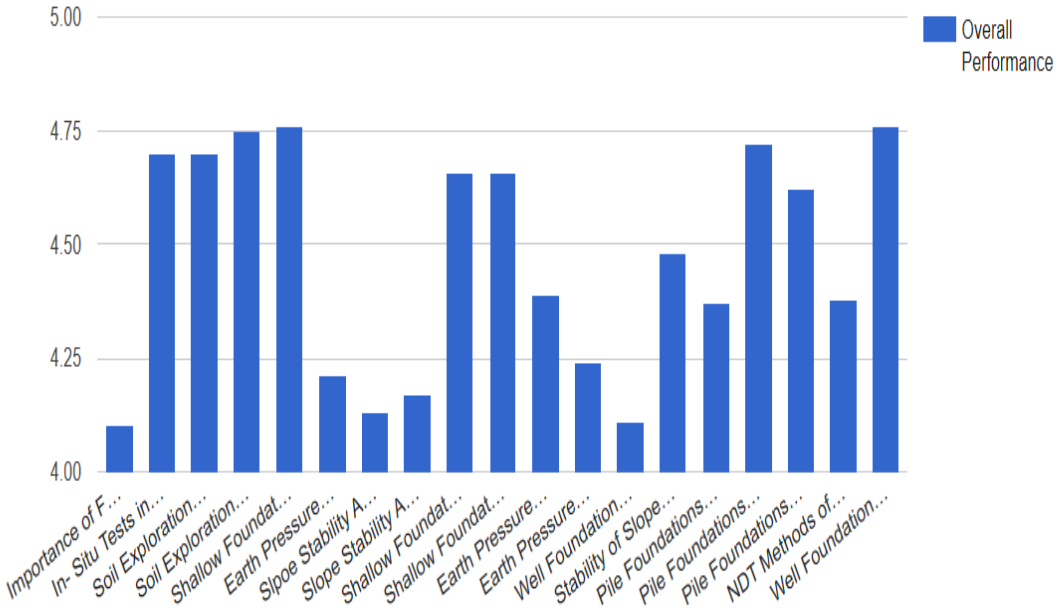
Shallow Foundations: Classification of foundations and their choice, location and depth of foundations, safe bearing capacity from shear criteria, Determination of safe bearing capacity from Terzaghi's, Meyerhof's, Vesic's, Hansen's, Skempton's and IS code methods, Allowable bearing capacity from settlement criteria, estimation of allowable bearing pressure based on SPT N value and plate load test and allowable settlements of structures.

Pile Foundations: Need of pile foundations, classification of piles, estimation of load carrying capacity of piles based on static formulae, dynamic pile formulae and estimation of pile capacity through SPT and CPT results and pile load tests. Pile groups, estimation of load carrying capacity of pile groups in sands and clays, settlement of pile groups and negative skin friction on piles and its controlling measures.

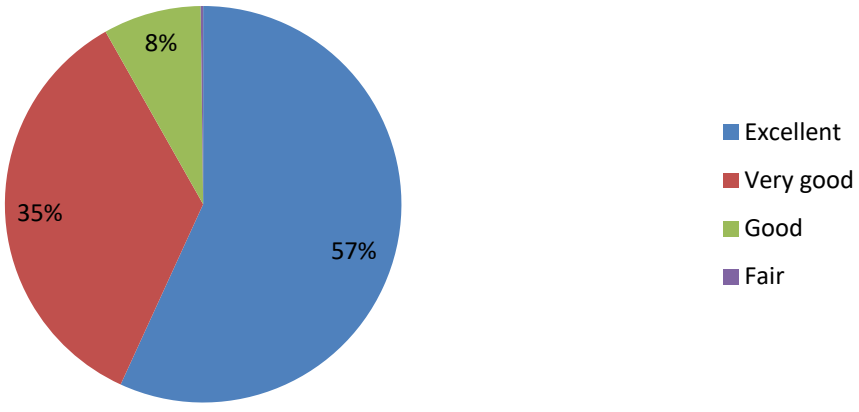
Well Foundations: Applications of well foundations, types and different shapes of wells, forces on wells, components of wells, scour around wells, scour depth, grip length, sinking of wells, tilts and shifts. Estimation of bearing capacity and settlement of well foundations.

To cover the above course outline of Foundation Engineering course, the topics/titles of lectures are chosen and accordingly the resource persons were identified as per their expertise and experience in teaching and practice of Foundation Engineering.

Session wise feedback on 5 point scale



Overall Program Feedback



Online Faculty Development Programme on

"AI Techniques to Electrical Engineering"

(06-07-2020 to 10-07-2020)

Sponsored by

All India Council for Technical Education

Organized by

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Jawaharlal Nehru Technological University Hyderabad

Kukatpally, Hyderabad - 500 085

Telangana State,INDIA

ONLINE FACULTY DEVELOPMENT PROGRAM
(Sponsored by AICTE)

AI TECHNIQUES TO ELECTRICAL ENGINEERING

(06th – 10th July, 2020)

ACCREDITED BY NAAC
A-GRADE

Organized by

UGC–HUMAN RESOURCE DEVELOPMENT CENTRE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
KUKATPALLY, HYDERABAD, T.S.

About UGC-HRDC, JNTUH:

The UGC-Human Resource Development Centre (formerly known as UGC-Academic Staff College), Jawaharlal Nehru Technological University Hyderabad, was established in the year 2000 and sponsored by University Grants Commission, New Delhi. The UGC-Human Resource Development Centre organizes Orientation Programmes, Refresher Courses, Short Term Courses and Workshops on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis, to update the knowledge and skills in their respective fields.

Major Program Contents:

- **Artificial Neural Networks and its applications**
- **Fuzzy logic and its applications**
- **Optimization Techniques - Overview**
- **Soft computing techniques like Genetic Algorithm (GA), Particle Swarm Optimization (PSO) and BAT algorithm etc.**
- **Application of GA, PSO and BAT algorithms to Electrical Engineering**
- **Introduction to Machine Learning and its applications in Electrical Engineering (implementation in Python and MATLAB)**

Eligibility:

- The faculty members from the department of EEE from AICTE approved Institutions.

Registration Fee Particulars:

- **There is no registration fee for participation.**

Dr. G.K. Viswanadh
Professor of Civil Engineering &
Director
UGC-HRDC, JNTUH, Hyderabad

Course Coordinator
Dr. A. Jayalaxmi
Professor of EEE & Coordinator, GIAN
JNTUH CEH, Hyderabad

How to apply:

The faculty members desirous to participate in the program are requested to register their details through online mode at http://jntuhhrdc.in/delegate-registration on or before 01st of July, 2020.
For further queries, please mail us at: **directorhrdcjntuh@jntuh.ac.in**

Selection Criteria:

Selection will be done based on ***first-come-first-serve basis*** to a maximum number of 60. The list of selected participants will be intimated through E-mail.

Important Dates:

Last date for the receipt of application through online	:	01st July, 2020
Intimation of selection to the participants through e-mail	:	03rd July, 2020
Course duration	:	06th – 10th July, 2020
Course Timings	:	10.00 AM to 1.15 PM & 2.00 PM to 5.15 PM

Instructions to the Participants for Online Course:

(1) Filling the registration form is mandatory.
(2) Attendance is mandatory for all sessions.
(3) All sessions will be conducted on GoToMeeting/WebEx.
(4) Link will be provided a day in advance.
(5) Limited seats are available on First-Come-First-Serve basis.

Address for all Correspondence:

Dr. G.K.Viswanadh
Professor of Civil Engineering &
Director, UGC-Human Resource Development Centre
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad – 500 085, Telangana State

Please contact 8008103814 (All working days from 10.30 am to 5.00 pm only)
or directorhrdcjntuh@jntuh.ac.in for more enquiries about the FDP
Web: www.jntuhhrdc.in

AICTE sponsored Online Faculty Development Programme on "AI Techniques to Electrical Engineering" (06-07-2020 to 10-07-2020)

SCHEDULE

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
06-07-2020 Monday	**Introduction to ANN** **By** **Dr. D.M. Vinod Kumar** Professor, Dept. of Electrical Engineering, NIT, Warangal	TEA BREAK	**Introduction to ANN** **By** **Dr. D.M. Vinod Kumar** Professor, Dept. of Electrical Engineering, NIT, Warangal	LUNCH BREAK	**Applications of AI Techniques in Electrical Engineering (Smart Grid)** **By** **Dr. G. Mallesham** Professor & HoD, UCE, OU, Hyderabad	TEA BREAK	**Applications of AI Techniques in Electrical Engineering (Smart Grid)** **By** **Dr. G. Mallesham** Professor & HoD, University College of Engineering, OU, Hyderabad
07-07-2020 Tuesday	**Fuzzy Logic – Concepts** **by** **Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore		**Fuzzy Logic – Applications** **by** **Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore		**Hands on exposure to Fuzzy Logic using MATLAB** **By** **Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore		**Hands on exposure to Fuzzy Logic using MATLAB** **by** **Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore
08-07-2020 Wednesday	**Artificial Neural Networks – Concepts** **by** **Dr. Prema** Assoc. Professor, BMS College of Engineering, Bangalore		**ANN - Applications** By **Dr. Prema** Assoc. Professor, BMS College of Engineering, Bangalore		**Hands on exposure to ANN using MATLAB** by **Dr. Prema** Assoc. Professor, BMS College of Engineering, Bangalore		**Hands on exposure to ANN using MATLAB** **by** **Dr. Prema** Assoc. Professor, BMS College of Engineering, Bangalore
09-07-2020 Thursday	**Optimization Techniques in Electrical Engineering** By **Dr. P. Lokender Reddy** University College of Engineering, OU, Hyderbaad		**GA & PSO and their Applications to Electrical Engineering** By **Dr. P. Lokender Reddy** University College of Engineering, OU, Hyderbaad		**Hands on exposure to GA & PSO using MATLAB** By **Dr. P. Lokender Reddy** University College of Engineering, OU, Hyderbaad		**Hands on exposure to GA & PSO using MATLAB** By **Dr. P. Lokender Reddy** University College of Engineering, OU, Hyderbaad
10-07-2020 Friday	**Introduction to Machine Learning and Its applications in Electrical Engineering (Implementation in Python and MATLAB)** **by** **Dr. Rashmi Kapoor** Assoc. Professor, Dept. of EEE VNR VJIET, Hyderabad		**Introduction to Machine Learning and Its applications in Electrical Engineering (Implementation in Python and MATLAB)** **by** **Dr. Rashmi Kapoor** Assoc. Professor, Dept. of EEE VNR VJIET, Hyderabad		**AI applications to Electrical Drives** **By** **Dr. Prashant Menghal** Professor, EE, MCME, Hyderabad		**AI applications to Electrical Drives** **By** **Dr. Prashant Menghal** Professor, EE, MCME, Hyderabad

AICTE sponsored Online Five Day Faculty Development Programme on

"AI Techniques to Electrical Enigneering"

(06-07-2020 to 10-07-2020)

List of Resource Persons invited with address, contact details, topics etc:

S. No.	Name of the Resource Person	Topic of the session	Mobile	Mail id
1	**Dr. D.M. Vinod Kumar** Professor, Dept. of Electrical Engineering, NIT, Warangal	**Introduction to ANN**	9885294521	vinodkumar.dm@gmail.com
2	**Dr. G. Mallesham** Professor & HoD, University College of Engineering, OU, Hyderabad	**Applications of AI Techniques in Electrical Engineering (Smart Grid)**	9502133334	drgm@osmania.ac.in
3	**Dr. K. Uma Rao** Professor of EEE, RVR College of Engineering, Bangalore	**Fuzzy Logic – Concepts** **Fuzzy Logic – Applications** **Hands on exposure to Fuzzy Logic using MATLAB**	9980909893	umarao_k@yahoo.co.in
4	**Dr. Prema** Assoc. Professor, BMS College of Engineering, Bangalore	**Artificial Neural Networks – Concepts** **ANN – Applications** **Hands on exposure to ANN using MATLAB**	9986041498	premav.eee@bmsce.ac.in
5	**Dr. P. Lokender Reddy** University College of Engineering, OU, Hyderbaad	**Optimization Techniques in Electrical Engineering** **GA & PSO and their Applications to Electrical Engineering** **Hands on exposure to GA & PSO using MATLAB**	7661873344	lokender.p@uceou.edu
6	**Dr. Rashmi Kapoor** Assoc. Professor, Dept. of EEE VNR VJIET, Hyderabad	**Introduction to Machine Learning and Its applications in Electrical Engineering (Implementation in Python and MATLAB)**	-	rashmi_k@vnrvjiet.in
7	**Dr. Prashant Menghal** Professor, EE, MCME, Hyderabad	**AI applications to Electrical Drives**	9440635370	prashantmenghal@gmail.com

AICTE sponsored Online Faculty Development Programme on

"AI Techniques to Electrical Enigneering"

(06-07-2020 to 10-07-2020)

List of Participants:

S. No	Name of the Participant	Designation	Department	College Name
1	R Gowrisankara Rao	Professor	Electrical & Electronics Engineering	MVGR College of Engineering, Vizianagaram
2	N.RAVEENDRA	Associate Professor	Electrical & Electronics Engineering	Malla Reddy Engineering College For Women
3	Ramisetti. Durga Rao	Assistant Professor	Electrical & Electronics Engineering	JNTUHCEM
4	V SRI LAKSHMI VANI	Assistant Professor	Electrical & Electronics Engineering	Bhoj Reddy Engineering College for Women
5	Dr. K. RASADURAI	Assistant Professor	Electrical & Electronics Engineering	KUPPAM ENGINEERING COLLEGE
6	Asha Dappu	Associate Professor	Electronics & Communications Engineering	Malla Reddy College of Engineering and Technology
7	Dr.R.Vijay	Assistant Professor	Electrical & Electronics Engineering	CVR College of Engineering
8	Boorgula Vidyasagar	Associate Professor	Electrical & Electronics Engineering	Teegala Krishna Reddy Engineering College
9	Nidamarthi Venkata Bharadwaj	Assistant Professor	Electrical & Electronics Engineering	Cheeryal Village
10	M Thirupathaiah	Assistant Professor	Electrical & Electronics Engineering	Chaitanya Bharathi Institute of Technology
11	G RAVI KIRAN	Assistant Professor	Electrical & Electronics Engineering	Muffakham Jah College of Engineering & Technology
12	Dr.M.Lakshmi Swarupa	Professor	Electrical & Electronics Engineering	CVR College of Engineering
13	Konda Raju	Assistant Professor	Electrical & Electronics Engineering	Jntuh College Of Engineering Manthani
14	A GOPALAKRUSHNA	Associate Professor	Electrical & Electronics Engineering	Vignana Bharathi Institute Of Technology
15	Dr Anand Gondesi	Assistant Professor	Electrical & Electronics Engineering	Dr Lankapalli Bullayya College of Engineering,
16	Puneet Sharma	Assistant Professor	Electrical & Electronics Engineering	SR Institute of Management & Technology
17	Dr. MOHAMMAD HASEEB KHAN	Assistant Professor	Electrical & Electronics Engineering	Muffakham Jah College of Engineering & technology

S. No	Name of the Participant	Designation	Department	College Name
18	CH. SAJAN	Associate Professor	Electrical & Electronics Engineering	Jyothishmathi Institute of Technology and Science
19	DEVAREDDY HARSHA	Assistant Professor	Electrical & Electronics Engineering	Chaitanya Bharathi Institute Of Technology
20	Dr M MANIKANDAN	Professor	Electrical & Electronics Engineering	Jyothishmathi Institute of Technology and Science
21	KAMANI SADANANDAM	Assistant Professor	Electrical & Electronics Engineering	MTEC
22	Dr. Sridhar Gaddam	Associate Professor	Electrical & Electronics Engineering	Jyothishmathi Institute of Technology and Science
23	Nuthulapati Rajesh Babu	Assistant Professor	Electrical & Electronics Engineering	DVR & Dr HS MIC College of Technology
24	V. VIJAYA RAMA RAJU	Associate Professor	Electrical & Electronics Engineering	Gokaraju Rangaraju Institute of Engineering and Technology
25	ABBINENI SAI SUBHADRA	Assistant Professor	Electrical & Electronics Engineering	Vignana Bharathi institute of technology
26	Cholleti Harish	Assistant Professor	Electrical & Electronics Engineering	Chaitanya Bharathi Institute of Technology (A), Gandipet
27	KURA RANJEETH KUMAR	Assistant Professor	Electrical & Electronics Engineering	Vnr Vignana Jyothi Institute Of Engineering And Technology
28	KOMMANABOYINA RAMESHBABU	Associate Professor	Electrical & Electronics Engineering	St. Ann's College of Engineering and Technology, Chirala, Andhra Pradesh
29	Dr.P.CHANDRA SEKHAR	Associate Professor	Electrical & Electronics Engineering	Mahatma Gandhi Institute of Technology
30	Manigandan Meyyappan	Assistant Professor	Electrical & Electronics Engineering	GITAM University, Hyderabad
31	GUDIMALLA RAMESH	Assistant Professor	Electrical & Electronics Engineering	Jyothishmathi Institute Of Technological Sciences
32	K.Soujanya	Assistant Professor	Electrical & Electronics Engineering	CMR College of Engineering & Technology
33	G HARI KRISHNA	Assistant Professor	Electrical & Electronics Engineering	CBIT, Gandipet
34	Raju T	Assistant Professor	Electrical & Electronics Engineering	Kamala Institute Of Technology And Science

S. No	Name of the Participant	Designation	Department	College Name
35	SUDDALA JANARDHAN	Associate Professor	Electrical & Electronics Engineering	Jyothishmathi Institute Of Technology And Science
36	Dr Praveen Jugge	Assistant Professor	Electrical & Electronics Engineering	Gokaraju Rangaraju Institute ofengineering and technology
37	S ASHA KIRANMAI	Assistant Professor	Electrical & Electronics Engineering	Bhoj Reddy Engineering College for Women
38	Mr.Thirupathi Allam	Assistant Professor	Electrical & Electronics Engineering	Kamala Institute of Technology and Science
39	Dr. Chava Sunil Kumar	Assistant Professor	Electrical & Electronics Engineering	
40	Dr Balasubbareddy M	Associate Professor	Electrical & Electronics Engineering	Chaitanya Bharathi Institute of Technology
41	G KIRANKUMAR	Assistant Professor	Electrical & Electronics Engineering	University College of Engineering
42	Manohar Gangikunta	Associate Professor	Electrical & Electronics Engineering	CVR College of Engineering,Hyderabad
43	Dr.B.Suresh kumar	Associate Professor	Electrical & Electronics Engineering	Chaitanya Bharathi Institute of Technology,Hyderabad.
44	K. Mahammad Rafi	Assistant Professor	Electrical & Electronics Engineering	Muffakham Jah College of Engineering & Technology
45	JEETENDER VEMULA	Assistant Professor	Electrical & Electronics Engineering	Vignana Bharathi Institute Of Technology
46	Dr.P.VENKATA PRASAD	Professor	Electrical & Electronics Engineering	Chaitanya Bharathi Institute of Technology (Autonomous)
47	Dr Kottala Padma	Assistant Professor	Electrical & Electronics Engineering	A U College of Engineering, Andhra University
48	prashant kuna	Associate Professor	Electrical & Electronics Engineering	sphoorthy engineering college
49	K.SHASHIDHAR REDDY	Professor	Electrical & Electronics Engineering	CVR College of Engineering
50	MODUGU SRINIVAS	Assistant Professor	Electrical & Electronics Engineering	Matrusri Engineering College
51	CH SHRAVAN KUMAR REDDY	Assistant Professor	Electrical & Electronics Engineering	JB Institute of Engineering and Technology
52	N Siva Mallikarjuna Rao	Assistant Professor	Electrical & Electronics Engineering	GITAM (Deemed to be University) Hyderabad

S. No	Name of the Participant	Designation	Department	College Name
53	Dr.SUKANTH T	Assistant Professor	Electrical & Electronics Engineering	Bharat Institute Of Engineering & Technology
54	Dr.VENKATA PADMAVATHI S	Assistant Professor	Electrical & Electronics Engineering	GITAM School of Technology
55	M. Ankush Kumar	Assistant Professor	Electrical & Electronics Engineering	Lords Institute of Engineering and Technology
56	RUPESH M	Assistant Professor	Electrical & Electronics Engineering	BVRIT Hyderbad College of Engineering for Women
57	A Sharath Kumar	Assistant Professor	Electrical & Electronics Engineering	Kamala institute of technology
58	Dr. Patthi Sridhar	Assistant Professor	Electrical & Electronics Engineering	Institute of Aeronautical Engineering
59	ESWARAIAH G	Assistant Professor	Electrical & Electronics Engineering	TKR Engineering College
60	PRADEEP RAMAGIRI	Assistant Professor	Electrical & Electronics Engineering	Malla Reddy college of Engineering and Technology
61	P Sangeetha	Assistant Professor	Electrical & Electronics Engineering	Jntuh College of Engineering Jagtial.
62	K.Rama	Assistant Professor	Electrical & Electronics Engineering	BVRIT Narsapur
63	Murali A	Assistant Professor	Electrical & Electronics Engineering	BVRIT Narsapur
64	N. SRILATHA	Assistant Professor	Electrical & Electronics Engineering	University College of Engineering
65	Dr.R.Vijaya Santhi	Assistant Professor	Electrical & Electronics Engineering	AU College of Engineering(A)
66	BONTHA YADAGIRI	Assistant Professor	Electrical & Electronics Engineering	Jntuh College Of Engineering Hyderabad
67	YERUVAKA SANTHOSH	Assistant Professor	Electrical & Electronics Engineering	Jntuh College Of Engineering Manthani
68	DEVIREDDY SATHISH	Assistant Professor	Electrical & Electronics Engineering	Chaitanya Bharathi Institute of Technology(A)
69	Dr. Arshia Azam	Assistant Professor	Electrical & Electronics Engineering	ECE Department, Maulana Azad National Urdu University
70	G. V. Naga Lakshmi	Assistant Professor	Electrical & Electronics Engineering	UCE, Osmania University

S. No	Name of the Participant	Designation	Department	College Name
71	CHANDRAGIRI RADHACHARAN	Assistant Professor	Electrical & Electronics Engineering	JNTUH College of Engineering Jagtial, Nachupally,Jagtial Dist.
72	BILLA PARDHASARADHI	Assistant Professor	Electrical & Electronics Engineering	Ashoka Institute of Engineering and Technology Hyderabad
73	CHIRUMALLA SHRAVANI	Assistant Professor	Electrical & Electronics Engineering	TKR college of Engineering and Technology
74	UDUTHA RAJENDER	Assistant Professor	Electronics & Communications Engineering	Vaageswari College Of Engineering
75	T. S. Vijayalakshmi	Assistant Professor	Electrical & Electronics Engineering	Sree Dattha Group of Institutions
76	BIYYALA VENKATESH	Assistant Professor	Electrical & Electronics Engineering	Vaageswari College Of Engineering
77	Yerrabelli Prathap Kumar	Assistant Professor	Electrical & Electronics Engineering	Priyadarshini Institute Of Science And Technology For Women Khammam
78	MADHU VALAVALA	Assistant Professor	Electrical & Electronics Engineering	Swarnandhra Institute of Engineering & Technology
79	Dr.Yogananda Patnaik	Assistant Professor	Electrical & Electronics Engineering	MVGR College Of Engineering (A) Vizianagaram
80	Chiranjeevi D	Assistant Professor	Electrical & Electronics Engineering	Indur Institute of Engineering and Technology
81	GUDA ASHOK KUMAR	Assistant Professor	Electrical & Electronics Engineering	Trinity College Of Engineering And Technology
82	Dr RAKESH TEERDALA	Associate Professor	Electrical & Electronics Engineering	KLR College Of Engineering & Technology
83	SADANANDAM PERUMANDLA	Assistant Professor	Electrical & Electronics Engineering	Vaagdevi College of Engineering
84	Gaurav Ghosh	Assistant Professor	Electrical & Electronics Engineering	Government Engineering College Vaishali
85	R.Naveena Bhargavi	Associate Professor	Electrical & Electronics Engineering	CVR College of Engineering
86	Mr. Syed Shahbazuddin	Assistant Professor	Electrical & Electronics Engineering	Vaagdevi Engineering College, Warangal
87	ANIL KUMAR YARAMALA	Assistant Professor	Electrical & Electronics Engineering	Vignana Bharathi Institute Of Technology
88	MACHAVARAM SANDEEP KUMAR	Assistant Professor	Electrical & Electronics Engineering	BVRIT Hyderabad College Of Engineering For Women
89	Budaraju venkata Haritha	Assistant Professor	Electrical & Electronics Engineering	CBIT

S. No	Name of the Participant	Designation	Department	College Name
90	KUMAR SALIGANTI	Assistant Professor	Electrical & Electronics Engineering	Jntuh College Of Engineering Manthani
91	DR.S.SUNDEEP	Assistant Professor	Electrical & Electronics Engineering	Vignana Bharathi Institute Of Technology
92	P.Purnachander Rao	Associate Professor	Electrical & Electronics Engineering	Vaagdevi College of Engineering
93	D Rajani Kumar	Assistant Professor	Electrical & Electronics Engineering	Jayamukhi Institute Of Technological Sciences
94	Dr.Gollapalli Naresh	Professor	Electrical & Electronics Engineering	Pragati Engineering College
95	Dr.B.Jagadish Kumar	Associate Professor	Electrical & Electronics Engineering	Kakatiya Institute of Technology and Science ,Warangal
96	M. Narasimha rao	Associate Professor	Electrical & Electronics Engineering	KITS Warangal
97	Mode Laxmana Rao	Assistant Professor	Electrical & Electronics Engineering	AKITS, Kothagudem
98	Koppula Srinivas	Assistant Professor	Electrical & Electronics Engineering	Trinity college of engg and technology
99	G Mahipal Reddy	Assistant Professor	Electrical & Electronics Engineering	JNTUH College of Engineering Manthani
100	Modugu Srinivas	Assistant Professor	Electrical & Electronics Engineering	Matrusri Engineering College
101	Vallakatla Suresh Kumar	Assistant Professor	Electrical & Electronics Engineering	Nigama Engineering College
102	Dr Katuri Rayudu	Assistant Professor	Electrical & Electronics Engineering	BVRIT, NARSAPUR
103	Gunde Madhuri	Assistant Professor	Electrical & Electronics Engineering	Jntuh College Of Engineering Manthani (Jntuhcem)
104	Kedam. Ramesh	Associate Professor	Electrical & Electronics Engineering	Vaageswari College Of Engineering
105	Navya Samudrala	Associate Professor	Electrical & Electronics Engineering	JNTUHCEM, Manthani
106	Kadasi Sadanandam	Assistant Professor	Electrical & Electronics Engineering	Jntuh College Of Engineering Manthani
107	Mr.Satyanarayana Madgula	Assistant Professor	Electrical & Electronics Engineering	Jayamukhi institute of technological sciences
108	CHADA PRATHYUSHA	Assistant Professor	Electrical & Electronics Engineering	Kamala Institute Of Technology And Science
109	Illinda Pranav		Electrical & Electronics Engineering	Chaitanya Bharathi Institute Of Technology
110	Polu Veeraraghava Reddy	Assistant Professor	Electrical & Electronics Engineering	TKR College of Engineering and Technology

AICTE sponsored Online Five Day Faculty Development Programme on

"AI Techniques to Electrical Engineering"

(06-07-2020 to 10-07-2020)

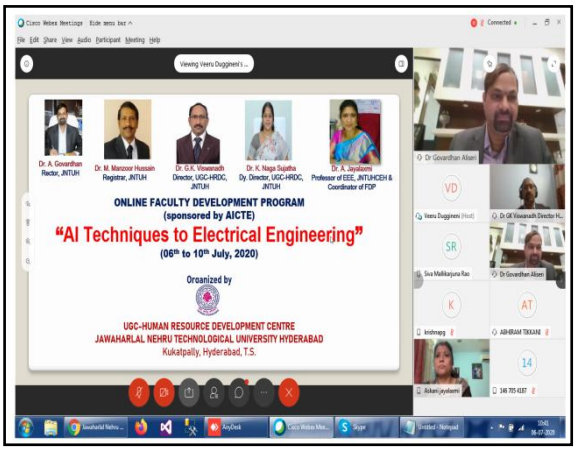
REPORT:

The AICTE sponsored 5 - Day online Faculty Development Program (FDP) on "AI Techniques to Electrical Engineering" was originally scheduled from 16th – 20th March 2020, but due to COVID-19 lockdown, it has been rescheduled and conducted from 06-07-2020 to 10-07-2020, through online by UGC – HRDC, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad.

The major topics that are covered in the program are:

- Artificial Neural Networks and its applications
- Fuzzy logic and its applications
- Optimization Techniques - Overview
- Soft computing techniques like Genetic Algorithm (GA), Particle Swarm Optimization (PSO) and BAT algorithm etc.
- Application of GA, PSO and BAT algorithms to Electrical Engineering
- Introduction to Machine Learning and its applications in Electrical Engineering (implementation in Python and MATLAB)

A total number of 295 participants have initiated the online registrations and 132 participants have attended the programme and 110 participants were successfully completed the program.



Day-1: The first day forenoon session was handled by Dr. D.M. Vinod Kumar, Professor, Dept. of Electrical Engineering, NIT Warangal, on the topic "Introductionto ANN and Artificial Neural Network – Applications in Electrical Engineering" and the afternoon session was handled by Dr. G. Mallesham, Professor & HoD, University College of Engineering, OU, Hyderabad on "Applications of AI Techniques in Electrical Engineeing (Smart Grid)".

Day-2: Dr. K. Uma Rao, Professor of EEE, RVR College of Engineering, Bangalore, has delivered the lecture sessions in the forenoon on "Fuzzy Logic – Concepts, Applications" and Hands-on exposure to "Fuzzy Logic using MATLAB" in the afternoon session.

Day-3: Dr. Prema, Associate Professor, BMS College of Engineering, Bangalore, has delivered the lecture-cum-hands-on sessions on day-3. The topics covered are "Artificial Neural Networks – Cncepts". Afternoon session was conducted on Hands-on exposure to "ANN using MATLAB".

Day-4: Dr. P. Lokender Reddy, Professor, University College of Engineering, Osmania University, Hyderabad has delivered the sessions on "Optimizations Techniques in Electrical Engineering" and "GA & PSO and their applications to Electrical Engineering" in the forenoon and Hands-on session on "GA & PSO using MATLAB" in the afternoon session.

Day-5: The Forenoon session on day-5 is on the topic "Introduction to Machine Learning and its applications in Electrical Engineering (Implementation in Python and MATLAB" by Dr. Rashmi Kappor, Assoc. Professor, Dept. of EEE, VNR VJIET, Hyderabad. The afternoon session on day-5 was handled by Dr. Prashant Menghal, Professor, Dept. of EE, MCME, Hyderabad. He discussed about the AI applications to Electrical Drives.

AICTE sponsored Online Five Day Faculty Development Programme on

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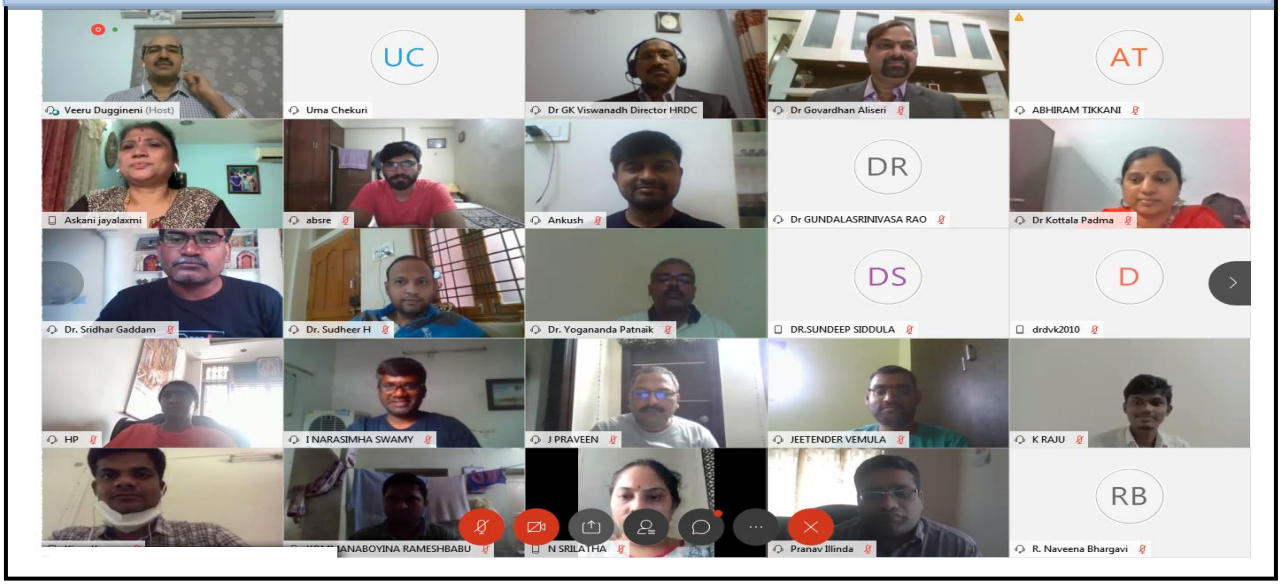
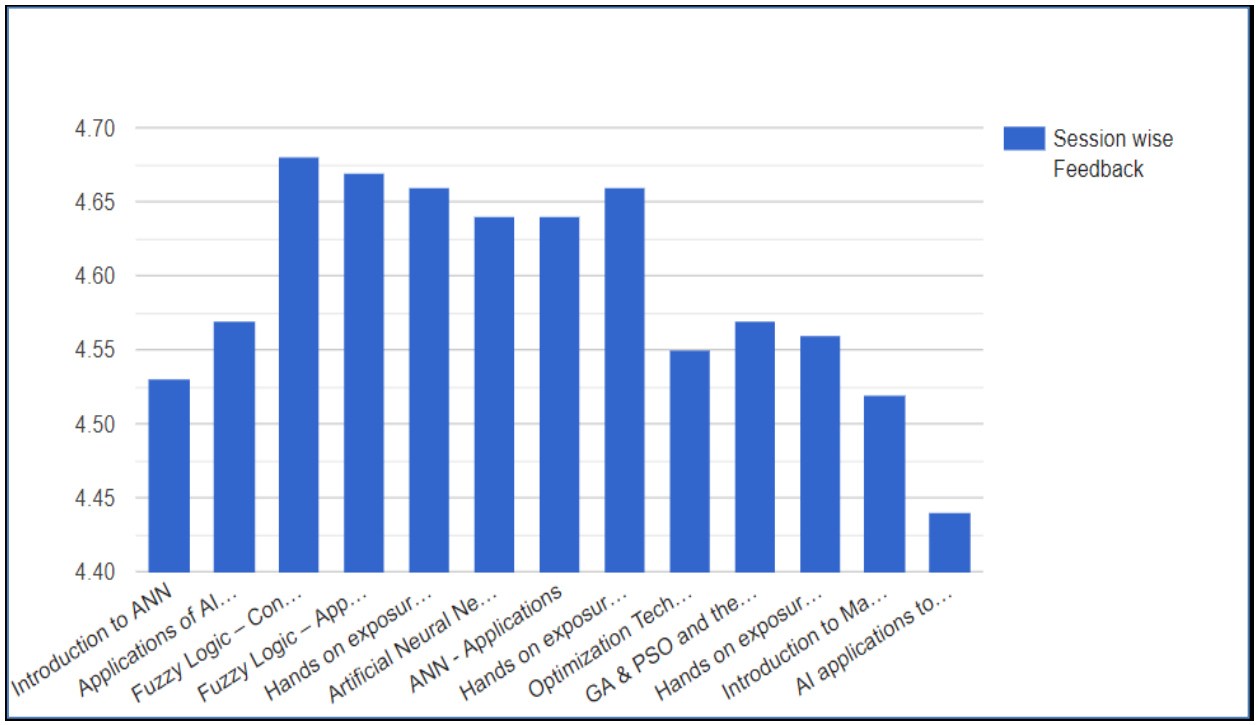
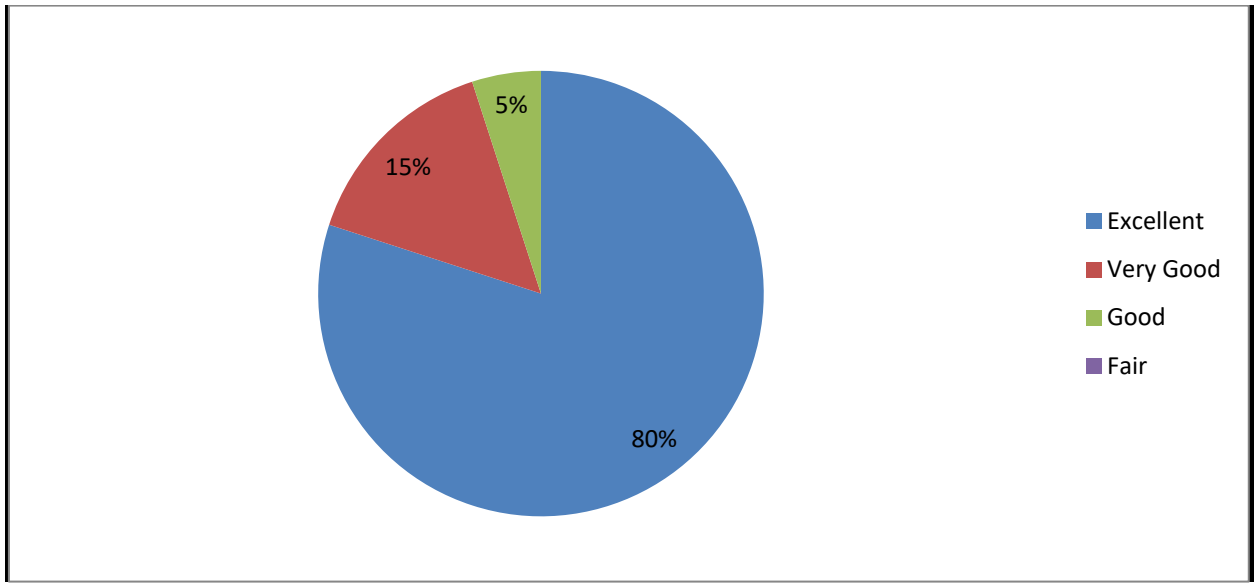


Session wise feedback on 5 point scale



Overall Program Feedback



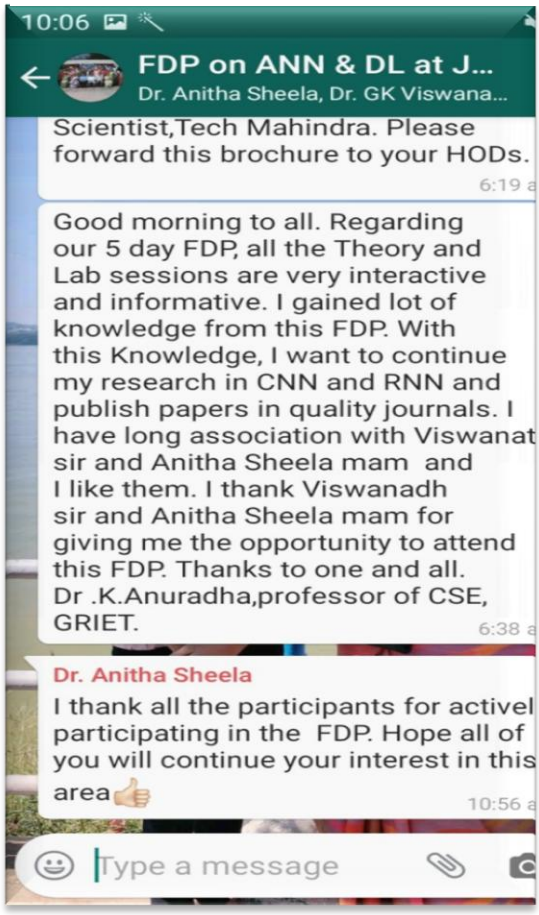
AICTE – JNTUH Joint Training Programmes
Statement of Expenditure

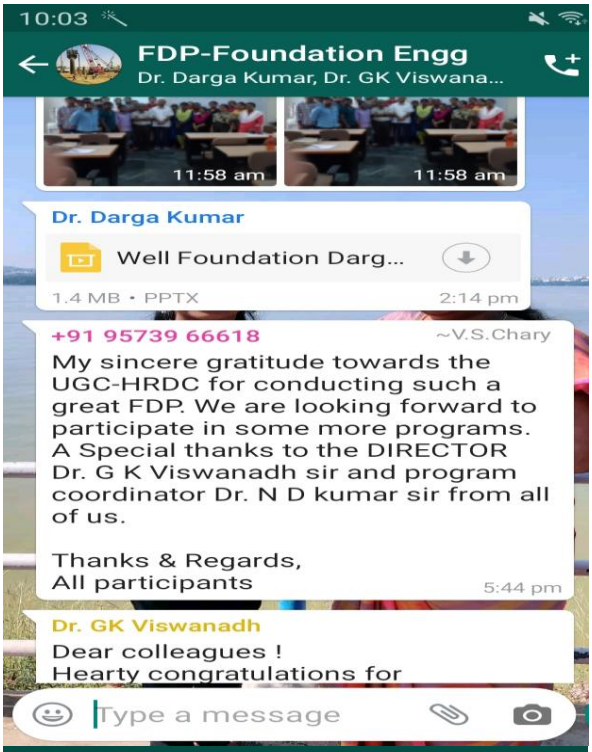
S. No	Title of the Course	Period		No. Of Participants	Incurred Expenditure from AICTE Grants				Incurred Expenditure from University Grants					Grand Total
		From	To		TA to Out Station Participants	Local Conveyance/TA to Resource Persons	Honorarium to Resource Persons	Reading Material to Participants	Honorarium to Course Coordinator	Hospitality - Boarding & Lodging of participants		Stationery	Additional Working Expenses	
										Catering	Accommodation			
1	**Programming for Problem Solving - A Pedagogical Approach**	22.07.2019	26.07.2019	44	-	9,000	34,320	37,006	3,000	32,417	6,000	15795	34061	**1,71,599**
2	**Research Methodology and IPR**	05.08.2019	09.08.2019	55	-	8,000	33,720	33,527	3,000	31,500	5,250	19312	34292	**1,68,601**
3	**Power Systems**	23.09.2019	27.09.2019	54	4,632	22,505	40,489	41,163	3,000	30,581	4,800	20859	34415	**2,02,444**
4	**Artificial Neural Network and Deep Learning**	04.11.2019	08.11.2019	55	3,254	7,000	40,789	46,625	3,000	40,792	2,550	23331	36603	**2,03,944**
5	**Artificial Intelligence**	02.12.2019	06.12.2019	60	906	15,250	40,862	49,345	3,000	38,588	2,700	16900	36761	**2,04,312**
6	**Engineering Chemistry**	02.12.2019	06.12.2019	42	2,490	13,560	37,859	39,494	3,000	26,933	6,600	16066	43293	**1,89,295**
7	**Blockchain Technology**	27.01.2020	31.01.2020	42	1,400	9,000	33,435	41,938	3,000	20,318	1,500	14329	42256	**1,67,176**
8	**Hydraulics and Hydraulic Machines**	27.01.2020	31.01.2020	41	4,312	15,757	39,789	38,681	3,000	27,562	16,301	13454	40088	**1,98,944**

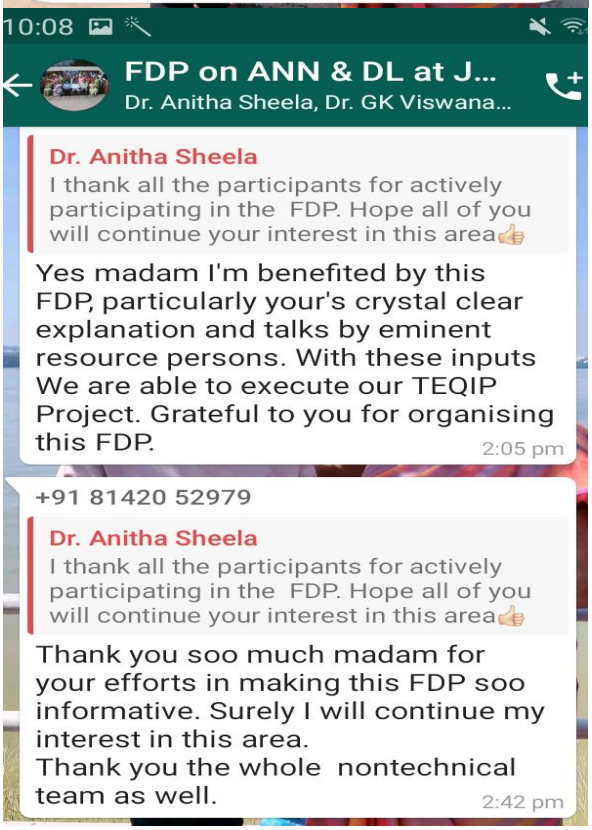
9	**Foundation Engineering**	03.02.2020	07.02.2020	40	4,061	9,155	33,511	37,127	3,000	25,862	8,250	12721	33870	**1,67,557**
10	**AI Techniques to Electrical Engineering**	06.07.2020	10.07.2020	132	-	-	32,340	27,660	3,000	-	-	-	98700	**1,34,040**
11	**Steering Committee**	11.03.2020			-	-	-	-	-	-	-	10000	60796	**70,796**
Grand Total				**565**	**21,055**	**1,09,227**	**3,67,114**	**3,92,566**	**30,000**	**2,74,553**	**53,951**	**162767**	**495135**	**19,06,368**

Grants Received from AICTE	15,00,000	Grants Received from University	15,00,000	Grants Received from AICTE & University	30,00,000
Expenditure Incurred from AICTE Grants	8,89,962	Expenditure Incurred from University Grants	10,16,406	Expenditure Incurred	19,06,368
Balance amount to be Returned to AICTE	**6,10,038**	Balance amount to be Returned to University	**4,83,594**	Balance amount	**10,93,632**

Feedback from Participants:







JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY • HYDERABAD •

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GATEWAY TO EXCELLENCE

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

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