

### हैदराबाद विश्वविद्यालय

### **UNIVERSITY OF HYDERABAD**

(A Central University established by an Act of Parliament in 1974)

(Listed under UGC Graded autonomy category - I)

University with Potential for Excellence by UGC

MoE - UGC Declared as Institution of Eminence (IoE)

## दूर और वास्तविक शिक्षा केंद्र

### **Centre for Distance and Virtual Learning**

Golden Threshold Campus, Nampally Station Road, Abids, Hyderabad - 500 001, Telangana, India

Ph: 040-2460 0264

e-mail : cdvl.uoh@gmail.com ; website : www.uohyd.ac.in

**REGISTRATION FEE: Rs. 300/-**

(Registration fee Payment through online)

Online Link: <a href="https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=8920">https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=8920</a>

Online Admission Link: https://uohydodladm.samarth.edu.in

**PROSPECTUS 2024** 

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#### 1. THE UNIVERSITY - A PROFILE

The University of Hyderabad, a premier institution of post graduate teaching and research in the country, was established by an Act of Parliament (Act No. 39 of 1974) on 2nd October, 1974 as a Central University, wholly funded by the University Grants Commission, is a Unitary University situated at Gachibowli, Hyderabad. University doesn't have any Study Centres or branches or Campuses or Affiliated Colleges else where.

The "objects of the University" as envisaged in the Act are: "to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit and by the example of its corporate life, and, in particular, to make special provisions for integrated courses in humanities and science in the educational programmes of the university and to take appropriate measures for promoting inter-disciplinary studies and research in the University."

The University's scenic and serene campus is spread over a vast stretch of land measuring about 2,000 acres, on the old Hyderabad-Bombay road. Amidst the picturesque environment of the campus, several buildings catering to the academic needs, support facilities and residential requirements of the campus community have been constructed over the years.

#### **SCHOOLS OF STUDY**

The University has twelve Schools of Study - School of Mathematics and Statistics, School of Computer and Information Sciences, School of Physics, School of Chemistry, School of Life Sciences, School of Humanities, School of Social Sciences, Sarojini Naidu School of Performing Arts, Fine Arts and Communication, School of Management Studies, School of Medical Sciences, School of Engineering and Technology and School of Economics. All the Schools of the University are located on the main campus. While some Schools are single-discipline Schools, others have Departments and Centres attached to them. There are some stand alone academic centres.

There has been a special emphasis on promoting interschool and inter-disciplinary teaching and research in the University.

The University also offers professional Diploma Programmes in the Distance Mode especially in interdisciplinary subjects.

#### **MULTI CULTURAL LEARNING**

Under the Study in India Programme (SIP), the University offers international students, both short term and semester courses on various aspects of Indian Society – its heritage, history, social, cultural, economic and political aspects and Indian languages etc. This offers a unique multicultural learning opportunity to the students. In this regard, the University has Memoranda of Understanding with several American Universities that send students regularly for the programme.

#### **CAPACITY BUILDING**

In addition, Human Resource Development Centre has been functioning on the University campus for capacity building of teachers in colleges and universities as part of the New Education Policy. The Centre organizes orientation and refresher courses for college and university teachers within and outside the University.

#### **DISTINGUISHED FACULTY**

The University has more than 400 highly qualified and talented Faculty, many of whom are recipients of national and international awards and honours. The honours and awards received by the faculty include: Shanti Swaroop Bhatnagar Award, Ramon Magsaysay Award, Alexander von Humboldt Fellowship, Padma Shri and Padma Bhushan Awards, Leverhulme Fellowship, Third World Academy of Sciences (TWAS) Award, Fulbright Visiting Professorship, Shastri Indo-Canadian Institute Faculty Research Fellowship, Charles wallance India Trust Short Term Fellowship, ACLS Award, Membership of American Linguistic Society, Sahitya Academy Award for Literature and Translation, Visiting Scientist/Professor positions (including exchange programmes), Fellowship of the Royal Society of Chemistry (FRSC), British Council and Commonwealth Staff Fellowship, Fellowship of Royal Society, Editorship of reputed international journals and membership of prestigious organizations.

The Faculty regularly undertakes teaching and research in India and abroad. They are on the editorial boards of many reputed journals and serve on important national committees and are members of official delegations of the Government.

#### **RESEARCH**

In the last three decades, the University Faculty have published more than 11,000 research works including 700 books, many of which have been acclaimed by the academic community and have proved useful for teaching and research programmes. The University Faculty has attracted large research funding for individual research projects from various national and international agencies and large industrial houses.

#### **ACADEMIC PROGRAMMES**

Over the years, the academic programmes which enroll students through competitive process conducted all over the country, have flourished well. The presence of students and teachers on the campus, drawn from diverse cultures and various languages from all over the country and abroad, makes the University a truly cosmopolitan institution of higher learning.

#### **INFRASTRUCTURE FACILITIES**

It also has a wide range of facilities, a well-stocked Digital Library which is enhanced by School and Department holdings from donations and project grants – the latest computer technology, attractive and comfortable hostels set in an aesthetically pleasing environment conducive to study, sports complexes, conference halls, well-equipped laboratories, and a sense of community on its self-contained campus. These facilities are well supported by strong and dedicated Administrative staff.

### 2. Centre for Distance and Virtual Learning

The Centre is one of the oldest centres of the University of Hyderabad which was officially established in the year 1994, based upon the directions received from the UGC and MHRD. The Centre initially started with two diploma, programmes. Presently it is offering fourteen One year Diploma Programmes, which are employable, knowledge oriented and skill developing programmes. These programmes are offered through distance mode, i.e., correspondence cum contact programme. Most of the students are working employees from various state and central government offices, few are IAS and IPS Officers, Lawyers, Magistrates; some are executives from multi national companies, corporate sectors, NGOs and also housewives. In order to maintain the standards in the quality of teaching in distance courses, the regular faculty from the university have put their best efforts in designing the courses, framing the syllabus, development of study material and conducting the contact classes. The regular faculty are also involved in the examination and evaluation process. Though there is lot of demand all over the country for these courses, the university has not permitted to setup any study centres as the quality of teaching at the study centres will differ from the main campus. The students of

these programmes have to attend 5 to 10 days for the contact classes once a year except for some management courses, twice in a year. The Centre for distance and virtual learning is also jointly offering diploma programmes with NIRD & PR (National Institute of Rural Development & Panchayati Raj), Truth Labs,, IFCAI (Infection Control Academy of India), GPRI Care, Hyderabad, BSNL - RTTC and L V Prasad Eye Institute, Hyderabad and Fernandez Foundation, Hyderabad, for the benefit of the students in quality of learning and practical training. CDVL has recently recognized as National Consultative Member for finalization of NAAC ODL accreditation procedures.

Apprenticeship & Placement Support: There is a provision for the students of selected courses like Diploma in Governance (DG), Diploma in Energy Management (DENM), Diploma in Communicative English (DCE) and Artificial Intelligence & Machine Learning (AI & ML) to get apprenticeship. "Earn while you Learn" concept and finally get placement support.

### 2.1 List of Distance Education Diploma Programmes (One Year) & Eligibility

1	Diploma in Library Automation & Networking (DLAN)	Graduate in Library Science from a recognized University		
2	Diploma in Cyber Laws & Intellectual Property Rights (DCL & IPR)	Any graduate from a recognized University		
3	Diploma in Communicative English (DCE)	Any graduate from a recognized University		
4	Diploma in Criminal Justice & Forensic Science (DCJ&FS)	Any graduate from a recognized University		
5	Diploma in Business Management (DBM)	Any graduate from a recognized University		
6	Diploma in Project Management (DPM)	Any graduate from a recognized University		
7	Diploma in Panchayat Raj Governance & Rural Development (DPRG & RD)	Any graduate from a recognized University		
8	Diploma in Infection Prevention and Control (DIPC)	Any graduate from Health, Medical, Nursing and Allied Health Sciences (OR) Any other graduates with 2 years demonstrated experience in Health Care Sector.		
9	Diploma in Community Eye Health (DCEH)	Graduate in Medicine, Ayush, Optometry, Nursing, Allied Health Sciences, Nutrition (OR) any Science graduate with Biology as a core subject with one year relevant experience.		
10	Diploma in Telecom Technology & Management (DTTM)	Engineering graduates from a recognised university in ECE/EEE/EIE/ETC/ICT branches and other engineering graduate with Electronics as one of the subjects. M.Sc Electronics / AMIE from a recognised University. Other Engineering or B.Sc graduates with Electronics/Physics/Maths/ Computer Science as one of the subjects from a recognised university with 2 years of experience in the field of Telecommunications. However, a Diploma in ECE/EEE is counted on par with Two years of Experience.		

NOTE: SI. No. 7: For admission details please Contact Ph: 040 - 2400 8526

SI. No. 8: For admission details please contact Ph. No. 70958 82277

SI. No. 9: For admission details please contact Ph. No. 040 - 30615613

SI. No. 10: For admission details please contact Ph. No. 9440845584

#### 2.2 UP-SKILLING PROGRAMMES

In the past decade, there has been a sea change in the job market scenario. With the growth of technology and digitization, jobs are getting highly specialized and automated. Consequently, there is a learning gap that needs to be addressed by the educational sector. Skills employee is important not just to keep up with the technological trends, but also to stay ahead of the competition.

**Technology is Impacting Employment:** According to a NASSCOM report, up to 40% of the estimated four million-strong work-force in India needs re-skilling over the next 5 years to keep pace with automation and changing skill needs in various industries. Automation and adoption of newer technologies have changed the landscape for professional managers. Jobs that were earlier done by junior and senior management and even at shop-floor level are seeing the use of artificial intelligence, machine work, and computerization. Over the past two years, many technologies have replaced jobs that have made it necessary to invest in up-skilling. This shift is now the reason why many want to make use of this transformation and up-skill themselves.

**Upgrading Knowledge and skill:** The only way to up skill is to become the master of your area. As you grow in knowledge, you also grow in talent. Embrace technologies that help you grow. Engage with clients and industry experts to know what's going on, and how you can benefit from the knowledge. Evaluate analytics capabilities and decision-support tools within the ecosystem to identify opportunities to enhance decision-making and improve student outcomes. In view of the above, the Centre for Distance and Virtual Learning, University of Hyderabad has come out to providing up skilling programme by jointly with reputed private and public scientific and industry section so that the participants not only update their knowledge and also their skills in the specialized areas.

Up-S	Up-Skilling Programmes					
SI.No.	Name of the Programme	Duration	Eligibility	Course Fee (In INR)		
1.	Diploma in Governance (DG)	One Year Programme	Any Graduate from a recognized University	Rs. 6,000 per semster		
2.	Diploma in Energy Management (DENM)	One Year Programme	Any graduate from a recognized University	Rs. 8,000 per semster		
3.	Diploma in Artificial Intelligence & Machine Learning (DAI & ML)	One Year Programme	Any graduate from a recognized University	Rs. 20,000 per semster		
4.	Birth Care Practitioner (Birth Doula) Certificate Course (BCPCC)	6 Months Course	18 years of age with pass in Intermediate or Class 12 or pre-university education	Total Fee: Rs. 18,000 for 3 Certificates - Basic, Intermediate and Advanced		

SI. No. 1 - 3: For Technical Support please contact Ph. No. 9849011327 SI. No. 4: For admission details please contact Ph. No. 040 - 24600264

#### 2.3 ELIGIBILITY CRITERIA

Admissions to the Distance Education Diploma and Up-Skilling programmes are open to all those who fulfill prescribed qualifications. Admissions are made strictly on the basis of merit. The marks obtained by the applicants in their graduate examination (i.e., B.A. / B.Sc. / B.Com. / B.Lib.Sc. / B.E. / B.Tech. / M.A. / M.Sc. / M.Com. / MBA etc.) is the basis on which the merit list for admission is prepared for all courses.

Therefore only students who have completed their courses/degree or at least have taken their final examinations (awaiting results) are eligible to apply for admission into these Diploma Programmes. However final admission will be considered only after submission of required certificates for eligibility. Further additional academic qualifications and professional experience are taken into consideration for all admissions.

The target groups for these programmes are either inservice personnel looking to improve their skills and knowledge or fresh graduates wishing to acquire qualification and improve their employability. Students pursuing other full time or part-time courses in this University or other Universities / Institutions may also seek admission to these programmes provided they fulfill the eligibility criteria.

The University reserves the right to decide to conduct the course and also the exact number of students to be admitted in each programme, depending on the demand for the **course (Minimum 50 Registrations).** In case the university could not conduct the course due to unavoidable reasons, such applications will be considered for the next year as per university norms. In case minimum number is not received the applications will be considered for 2nd choice given in the applications. It will also considered for next two years.

The eligibility of students passing their qualifying examinations from Universities following the letter grading system / Cumulative Grade Point Average (CGPA) will be determined on the basis of percentage equivalent to the letter grade / CGPA obtained by the students as per the conversion formula adopted by the University concerned. In the absence of any such formula, the decision of this University will be final in determining the percentage equivalence.

### 3. ADMISSION PROCEDURE

#### 3.1 INTIMATION OF SELECTION

The candidates selected for admission will be intimated individually through the email (address given by them in application).

#### 3.2 RESERVATIONS FOR SC/ST/OBC STUDENTS

Reservations for SC/ST/OBC/EWS students will be in accordance with the policy of the Government of India and the guidelines of the University Grants Commission. Students applying for such programmes should submit, along with their application, a copy of their caste/tribe Certificate from a Revenue Officer not below the rank of Tahasildar/Mandal Revenue Officer.

### 3.3 RESERVATIONS FOR PHYSICALLY CHALLENGED (PC) STUDENTS

3% of admissions for each course are reserved for physically challenged students with the minimum degree of disability to the extent of forty percent, provided that their physical disability does not hamper pursuit of the course.

Each physically handicapped student shall be required to submit a certificate from a Civil Surgeon indicating the extent of visual/physical disability and also the extent to which the disability hampers the student in pursuing his/her studies. The students may have to undergo a fresh medical examination, if decided by the University, before being admitted.

#### 3.4 ADMISSION OF FOREIGN APPLICANTS

Foreign applicants residing in India or abroad are eligible to apply for admission in the prescribed form within the stipulated date. Those who have passed the qualifying examination from Universities outside India should enclose relevant certificates i.e.. marks sheets with the English version (if they are in a different language), duly attested for admission to any Programme, the foreign applicants must have passed the qualifying examination and proficiency in English is a pre-condition for admission. They have to pay programme fee at a different rate as shown under sub heading Programme fee particulars (5.3).

### 4. GENERAL INFORMATION

#### 4.1 ADMISSION

Students found eligible will be issued Provisional admission letter. Only the students who pay the fees within the stipulated date are treated as admitted. Mere receipt of admission offer letter does not entitle any right to claim admission.

Verification of all the original certificates/ marks certificates will be done at the time of contact classes on the campus. The students are, therefore, required to bring their original certificates when they attend contact classes, exams. Students will be permitted to appear for the term-end examination only after the verification of relevant original certificates, until then their admission will be provisional.

#### 4.2 SUBMISSION OF APPLICATION FORMS

Applications completed in all respects accompanied by copies of relevant certificates self attested can be sent to the following address on or before the last date prescribed on the admission application form.

#### **4.3 LIST OF ENCLOSURES**

The following is the List of Self-Attested Enclosures to be submitted along with the Admission Application for registration:

- Online Payment Receipt Copy (Registration fee Rs. 300)
- 2. Secondary School Certificate (SSC) or Matriculation (Date of birth proof).
- 3. Intermediate/Higher Secondary Education, 10+2.
- 4. Provisional / Original Degree
- 5. Any other higher qualification Certificate
- 6. Passport Photos 2 Nos. in cover.

The Section Officer, Centre for Distance and Virtual Learning, University of Hyderabad, Golden Threshold Building, Abids, Nampally Station Road, Hyderabad - 500 001.

#### 4.4 ENROLLMENT NUMBER

On payment of programme fee, students will be informed of their enrollment number which will also be displayed on their Enrollment Cards. This enrollment number will continue for a maximum period of three years, or until the course is completed, whichever is earlier. The same number will be used as the examination roll number of the student.

#### 4.5 ENROLLMENT CARD & STUDY MATERIAL

On receipt of the programme fee, Enrollment Card (indicating the Student's Name, Programme, Date of Admission & Enrollment Number) will be issued. Study material soft copy will be sent to enrolled students through email.

#### 4.6 PROGRAMME SCHEDULE

The programmes are spread over two terms in a year . Those who are not in a position to complete all the papers in the two terms at a stretch can defer a term or a part thereof, provided they complete the programme within a total period of three years, including the year in which the students are enrolled. UGC approved academic sessions are January and June respectively.

#### 4.7 CONTACT PROGRAMMES

All students admitted to the distance education programmes are required to attend contact classes at the University campuses or online. The contact classes will be 5

to 10 days in a term. 75% attendance is mandatory in the contact classes and practical sessions. They must participate, to the satisfaction of the Co-ordinator of a programme or tutors of the courses and the Faculty of CDVL, in study-seminars, sessions and counseling sessions as may be prescribed. This carries a weightage of 10% of the total marks depending upon their performance.

#### 4.8 EXEMPTION FROM CONTACT PROGRAMMES

Requests for exemption from attending contact programmes shall not be entertained. Students have to attend the offline/online contact programmes atleast 75% of in each term while the other courses like DCE, DCJ & FS, DLAN.. have only one contact programme.

#### 5. PAYMENT OF FEE AND FEE STRUCTURE

#### 5.1 MODE OF PAYMENT

Students have to pay the relevant fee in two equal installments or in one lumpsum within the prescribed date mentioned in the Admission Offer Letter. All payments should be made through Online.

"https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=8920". (or) SBI Collect
No other mode of payment shall be accepted.

#### 5.2 DELAYED PAYMENT

If a student fails to pay the 2<sup>nd</sup> instalment fee by the due date with or without late payment, 2<sup>nd</sup> term study material shall not be provided. However, in exceptional cases, the university may permit students to continue their studies by paying the second term fee for the next session and attending contact sessions subject to payment of the following penalties.

#### DEFERMENT CHARGES ON COURSE FEE / EXAM FEE

a) First Deferment - Rs. 1,000/-

b) Second Deferment - Rs. 1,500/-

Fee once paid will not be returned by the University under any circumstances. All disputes are subject to the Greater Hyderabad Jurisdiction.

After the payment of Deferment fee, the student can complete the course within three years from the date of admission, including the year of admission. The Student if defer the First Term, then has to pay Deferment fee along with Second Term fee.



# **5.3 PROGRAMME FEE PARTICULARS DIPLOMA PROGRAMMES (ONE YEAR)**

S. No.	Programme	1 <sup>st</sup> Installment in Rupees	2 <sup>nd</sup> Installment in Rupees	Total in Rupees
1.	DLAN	7,500/-	7,500/-	15,000/-
2.	DCL & IPR	10,000/-	10,000/-	20,000/-
3.	DCE	6,000/-	6,000/-	12,000/-
4.	DCJ & FS	9,000/-	9,000/-	18,000/-
5.	DBM	9,500/-	9,500/-	19,000/-
6.	DPM	9,500/-	9,500/-	19,000/-
7.	DPRG & RD	5,000/-	5,000/-	10,000/-
8.	DIPC	30,000/-	30,000/-	60,000/-
9.	DCEH	25,000/-	25,000/-	50,000/-
10.	DTTM	20,000/-	20,000/-	40,000/-

Note: 1. For Students from SAARC Countries and African Countries the same fee as above

2. Fee for other countries NRI Students two times and for Foreign Students three times higher than the above Indian fee.

Online Fee Payment Link: <a href="https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=8920">https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=8920</a>

NOTE: SI. No. 7: For admission details please Contact Ph: 040 - 2400 8526

SI. No. 8: For admission details please contact Ph. No. 70958 82277

SI. No. 9: For admission details please contact Ph. No. 040 - 30615613

SI. No. 10: For admission details please contact Ph. No. 9440845584

#### 6. EVALUATION

The evaluation system of the Diploma programmes is designed to test the student's progress systematically in the courses offered, through internal assessments as well as term-end examinations.

#### **6.1 INTERNAL ASSESSMENT OF ASSIGNMENTS:**

Internal Assessment will be done through evaluation of assignment which will be sent along with the course material. They will be evaluated for 30% of the total marks. The Completed Assignments should be sent to the Section Officer, Centre for Distance and Virtual Learning, Nampally Station Road, Abids, Hyderabad-500001 within the stipulated date.

#### **6.2 TERM-END EXAMINATIONS:**

Performance of the student will also be assessed through a term-end examination and student should score minimum of 40% marks out of 60. Only those students who attended the contact sessions and submit assignments before the stipulated date are eligible to take the Term-end examinations.

#### 6.3 EXAMINATIONS FOR FOREIGN NATIONALS/NRIs:

Efforts will be made to conduct term-end exams for NRI/ Foreign students through Online Proctored examination (as per UGC guidelines).

### 6.4 CONTACT SESSIONS FOR FOREIGN NATIONALS/NRIs:

The University will conduct classes for 5-10 days abroad, if the number of foreign / NRI students are more then 15 at a place. In individual cases Foreign nationals and NRIs staying abroad have to attend Online Classes.

### 7. RESULTS

### The final result for each programme is determined on the basis of :

- Attendance in contact classes and practicals.
- Internal Assessment or Assignments.
  - Performance in the term-end examination, in the ratio 30:10:60.

### The final result in each course will thus be calculated in the following manner:

A student is declared passed in a course only if he/she secures a minimum of 40% marks in all, provided he/she secures a minimum of 40% marks i.e 24 marks in the term end examinations. Students with less than 40% marks in aggregate in any course taken by him/her may appear for reexamination in the next term-end examination. Candidates who failed in any paper have to pay Rs. 500/- per paper to appear in the subsequent examinations.

S. No.	Test types	Relative Weightage
1.	Contact classes Counseling / Practicals or Term Paper/Lab Test	10%
2.	Internal Assessment (Assignments)	30%
3.	Term-end Examination	60%

Note: Candidate who have not submitted assignments and attended 75% of contact classes will NOT be permitted to write the examinations.

#### 7.1 GRADING

Successful students will be awarded divisions on the basis of the average marks obtained by them as follows:

- First Division with Distinction 75% & above
- First Division 60 % & above but below 75%
- Second Division 50% & above but below 60 %
- Third Division 40% & above but below 50%

#### 7.2 RE-EXAMINATION

Students who fail to complete the course requirements of a given term can defer any course or all courses to the next year. They could also defer the complete programme to the next academic year. Any assignments done and internal assessment marks earned will be carried forward to the next term/year. Students, who fail in a course in a term, may pursue the 2nd term by paying the remaining part of the programme fee. They can appear for re-examination in the failed courses at the subsequent terminal examination by paying the deferment fee. The center will conduct supplementary exams along with year end examinations only.

#### 7.3 RE-ENROLMENT/RE-REGISTRATION

All students are expected to complete their course requirements within a period of 3 academic years, including the year of admission. After 3 years student can continue the course by Re-admission by paying full fee.

#### 7.4 MEMORANDUM OF MARKS CERTIFICATE

Marks memos will be issued to students on completion of Examination. However final Diploma will be issued only after the student completes all course requirements.

#### 7.5 FINAL DIPLOMA CERTIFICATE

Final Diploma Certificate will be issued on payment of Rs. 1200/- towards the final Diploma Certificate within one year after successful completion of the Programme. It will be issued through Digilockup after the completion of Convocation Procedure.

#### 7.6 DUPLICATE CERTIFICATE / ENROLMENT CARD

The Enrolment card, certificate of diploma, marks memo, will be issued only once. If the student loses the Enrollment card the student can request the Director (CDVL) for a duplicate certificate on payment of Rs.1200/- through Online. However, duplicate of the Final Diploma Certificate will be issued only after producing necessary police enquiry Certificate and payment fee of Rs.1200/- through Online.

#### 7.7 TRANSFER OF CREDITS/MARKS

A candidate who has successfully completed the Diploma programme from the CDVL, and wishes to join another diploma programme of the CDVL, with common papers, will be exempted from the assignments, contact classes and examinations for those papers which are common. The marks and credits for the papers which are common will be reflected in both the courses. However, she/he should pay all tuition fees prescribed by the University from time to time for the programme.

#### 7.8 ACADEMIC BANK OF CREDITS (ABC) PORTAL

All students are requested to register with Academic Bank of Credits (ABC), so that the exam data and credits acquired will be uploaded in the portal which will help the students for future verification.

### 8. INFORMATION ABOUT THE DIPLOMA PROGRAMMES

#### 8.1 DIPLOMA IN LIBRARY **AUTOMATION AND NETWORKING (DLAN)**

The Diploma in Library automation was introduced in January 1998 by the Indira Gandhi Memorial Library, University of Hyderabad. The focus of the program is to enable Library Science graduates and working Librarians to understand planning, organizing, maintaining and implementing library automation in their libraries. It provides basic concepts of library automation and the necessary skills in the form of hands-on-training on the related hardware and software during the contact classes at the end of each semester. Various operations of library automation and networking are explained through live demonstrations.

The programme emphasizes practical, hands-on training for which a fully equipped e-learning laboratory with 30 computer systems is available within the library. The library is fully computerized with a digital library with the necessary I.T infrastructure to teach and conduct practical classes in various techniques ion library automation and networking. The lectures are delivered by highly qualified senior Library Science teachers and professionals from various institutions. At the end of the course, participants are required to prepare a project report, which is evaluated along with the marks obtained in the term examination. The course is expected to improve employability and enhance employability and enhance competency to working library professionals.

Course Structure: Term - I

DLAN 411 : Introduction to information Technology

(Block I, II, III, IV)

DLAN 412 : Information Systems

DLAN 413 : Bibliographic Database Management

Systems

Term - II

**DLAN 421** : Library Automation

: Library Networks (Block I to IV) **DLAN 422** 

DLAN 423 : Dissertation / Project Work

Co-ordinator: Dr. N. Varatharajan, University Librarian

e-mail: nvrlib@uohyd.ernet.in

#### 8.2 DIPLOMA IN CYBER LAWS AND INTELLECTUAL PROPERTY RIGHTS (DCL & IPR):

The Internet is bringing about a world of change in the field of business and commerce in India: e-commerce, Internet Banking, e-governance, etc. For these technological developments to be effective, a congenial legal environment is mandatory. The Government of India has on the anvil a number of bills to provide a legal environment in which ecommerce/ e-banking transactions can take place; so that there would be legal remedies readily available to settle disputes. This interdisciplinary course is designed to address the needs of the Legal Community as also of Scientists, Technologists, Software Personnel explaining to them the Technical and Legal issues of Cyber Laws and Intellectual Property Rights. It is a bridge-course wherein Legal Personnel are taught the intricacies of computers and security management while software personnel are taught

the essential legal subjects of relevance to their profession. The course also focuses on Intellectual Property Rights because of their relevance to both the Scientific and Legal Community. Computer lab classes will be conducted before and after the contact classes, for an extended period based on adequate response from the participants. These classes will be conducted in the recently developed Cyber security and IPR Lab of the University. In addition to the usual lab classes in MS-Office, C-Language, there will be Lab sessions in Legal Databases, hacking and its prevention, Encryption and Decryption of Digital Signatures based on RSA-algorithm and accessing the Patent Database etc. Hands-on Lab experience is an integral and important part of the course structure. Also, participants are given free access to the internet and encouraged to visit relevant Legal sites for Case Law and project work. The course would be an important additional qualification for legal personnel specializing in Cyber Laws and IPR Laws. Also, software personnel would find opportunities for employment as Patent Agents and with Patent-cells of the software organizations. Some of our participants found employment with reputed firms of Solicitors and some others are pursuing L.L.M. in different Universities in U.K.

Course Structure: Term - I

Note: Courses DCL 412 & 415 are compulsory. Two Optional Courses from the remaining four are to be taken to complement the knowledge of the participant.

DCLIPR 411 Introduction to Computers & Personal

Productivity Software

Introduction to Computers andh Programmin Part I

Part II Personal Productivty Software

DCLIPR 412 Computer Network, Internet Tools and

Security Management

Part I Computer Networks and Internet Tools

Part II **Network Security Management** 

DCLIPR 413 Legal Organizational Structure /

International Organizations

Part I Legal Organizational Structure andh

Constitutional Law

International Law, International Economic Law, International Organizations Part II

DCLIPR 414 Introduction to Business Laws and Laws

of Crime

Part I Business Laws Part II Criminal Laws & Torts

DCLIPR 415 Introductions to IPR and TRIPS

Introduction to Intellectual Property Rights Part I

with WIPO Orientation

Trade Related Intellectual Property Rights Part II

DCLIPR 416 Introduction to E-commerce, E Banking

and E-Governance

Part I Introduction to E-Commerce & E-Banking

Part II Introduction to E-Governance

#### Term - II

Note: Course 423 is meant for software professionals with knowledge in Mathematics and Algorithms. Course 426 Project is compulsory. Any three electives out of the other five courses should be taken as per career and professional interests of the participants.

DCLIPR 421 : Cyber Crime & Cyber Forensics:

Advanced Topics with relevant

Provisions of ITAct-2000.

Part I Cyber Crime & IT Act. Part II Cyber Forensics

Part-I: Electronic Records Signatures & Certificates / Authorities / ITAct 2000 Digital DCLIPR 422 :

Certifying

Part-II: Digital Signatures Specialized

Topics

Cryptology & Public Key Infrastructure / IPR Issues in Integrated Circuits, Software and Data Protection DCLIPR 423:

DCLIPR 424 : International Law Copyright and Related

DCLIPR 425 International Law of Patents,

Frademarks and Industrial Designs

DCLIPR 426 : Project Work on Specialized topic

Co-ordinator: Prof. Rajeev Wankar,

School of Computer and Information Sciences, UoH.

e-mail: rajeev.wankar@gmail.com

#### 8.3 DIPLOMA IN COMMUNICATIVE ENGLISH (DCE)

The course is meant for those who wish to improve their skills in English and make a career in teaching, call centers, office assistance, newspapers, banks, films, visual and print media, advertising, judiciary, industrial enterprises, trade negotiations, railways, hospitals, military, software companies, and so on. The programme is offered by the Centre for Applied Linguistics and Translation Studies with active help of the senior faculty from the Department of English, University of Hyderabad and English and Foreign Languages University (EFLU), Hyderabad.

#### **Course Structure:**

Term - I

DCE 411 Language & Communication

(Oral Communication)

DCE 412 Effective Speech

DCE 413 Written Communication

Term - II

DCE 421 Using Resources for Learning English

DCE 422 Advanced Reading Skills

DCE 423 Advanced Writing Skills

(Project Report)

Coordinator: Prof. Bhimrao Panda Bhosale

CALTS, School of Humanities, University of Hyderabad.

e-mail: bhimraobhosle9@gmail.com

### 8.4 DIPLOMA IN CRIMINAL JUSTICE & FORENSIC SCIENCE (DCJ&FS)

Despite the advances in science and Technology and Establishment of well equipped Forensic Science institutions at state and central government level and well structured Justice System from Supreme Court to High courts and local courts, the common man in India is still lamenting that the nature and quality of Justice available to them is far from satisfactory.

At the national and state level, many changes are being brought about at various levels to ensure justice to all in judicial, police, prosecution and Forensic Science administration, but with a limited success.

This will be a one year Diploma course consisting of six courses; three courses each in two semesters. The first semester is dedicated to criminal justice component and the second semester to Forensic sciences.

Each course consists of 15 units of academic inputs.

Each course carries hundred marks for end of course evaluation, totaling to  $600\,\mathrm{marks}$ .

#### Course Structure:

#### Term - I - Criminal Justice

CJ&FS 411 : Society, Culture and Crime

: Sociological Aspects of Criminal Justice Part I Part II : Human Psychology and Criminal Behaviour

Part III : Crime and Deviance, Emerging contours of Crime

and Violence

CJ&FS 412 : Criminal law and other related subjects.

Part I : Criminal Jurisprudence

Part II : Criminal Law-Constitutional Provisions, Major Acts

and Special Laws

: Specific Offences-Emerging Trends-Legal Regime Part III

CJ&FS 413 : Criminal justice Institutions and Processes

: Police Administration and Prosecution Part I

Management

Part II : Judicial Administration

Part III : Prisons and Correctional Administration

#### Term - II - Forensic Science

CJ&FS 421: Introduction to Forensic Science &

Forensic Physical Science.

CJ&FS 422 : Forensic Chemical, Biological and General

Science.

CJ&FS 423 : Forensic Medicine

Co-ordinator from Truth Labs: Dr. Gandhi, P.C. Kaza

Truth Labs, Founder Chairman, Truth Labs.

e-mail:gandhi@truthlabs.org

Co-ordinator from UoH: Dr. D. Veerababu

Dept. of Political Science, UoH. e-mail:veerababu.ou@gmail.com

#### 8.5 DIPLOMA IN BUSINESS MANAGEMENT (DBM)

This postgraduate diploma is being offered to cater to the needs of the rapidly growing industries in the globalized economy. The programme is mainly targeted for the individuals who wanted to experience various emerging issues in the field of Business Management. The course is

useful to the employees of public sector and private sector to enhance their problem solving and decision making skills. The diploma is designed to satisfy the needs of the individuals to pursue their further Education in the field of Management. It also addresses the professional needs of managers and executives in dealing with day to day business/managerial problems. The programme has twelve courses. The courses DBM 411, 412, 413, 414, 415 and 416 are offered in the 1st term. The courses include Principles of Management & Organizational Behavior Marketing are offered in the 1st term. The courses include Principles of Management & Organizational Behavior, Marketing Management, Financial & Management Accounting, Human Resource Management, Management Information Systems and Quantitative & Research Methods. There are six courses offered in the second term. Among these, Strategic Management and Operations Management are two compulsory courses and the student has to choose three elective courses of his choice from the list given below. The sixth paper in II term i.e. DBM 440 is a project report, which is to be submitted by every student. The objective of the project report is to bridge the gap between the theory and practice. This is to be prepared based on the inputs obtained in two terms along with their industrial exposure. This in two terms along with their industrial exposure. This programme is offered by the faculty members of the School of Management Studies besides a large number of resource persons drawn from industry.

#### Course Structure: Term - I

DBM 411 : Principles of Management and

Organizational Behaviour

DBM 412 : Marketing Management

DBM 413 : Accounting & Financial Management

Part I Accounting for Management Part II Financial Management

DBM 414 : **Human Resource Management** 

DBM 415 : Management Information Systems

Quantitative and Research Methods DBM 416:

Part Quantitative Methods Part II Research Methods

Term - II

DBM 421 : Strategic Management DBM 422 : **Operations Management** 

3 Electives to be chosen from 12 electives from 423 to 435  $\,$ DBM 423 :

DBM 440 : Project Report

**ELECTIVES** 

DBM 423: **Customer Relationship Management** 

DBM 424: Marketing of Services

DBM 425: Sales and Distribution Management

DBM 426: Supply Chain Management

DBM 428: **Quality Management** 

DBM 429: Security Analysis and Portfolio

Management

DBM 430: Financial Risk Management DBM 431: Strategic Financial Management DBM 432: Team Building and Leadership

Management of Change and Organizational Development DBM 433:

DBM 434: Performance Management

DBM 435: Project Management

Co-ordinatior - UoH: Prof. B. Raja Shekhar, School of Management Studies, University of Hyderabad, e-mail: brsms@uohyd.ernet.in.

Associate Co-ordinator - UoH: Prof. G.V.R.K. Acharyulu, School of Management Studies, UoH; e-mail: acharyulu gvrk@yahoo.com.

#### 8.6. DIPLOMA IN PROJECT MANAGEMENT (DPM)

The programme is aimed at imparting knowledge and skills in Project Management. The Programme offers courses that span, the macro-economic environment of projects, principles of management and functional areas of management among others. The course is designed to provide the most refined skills in understanding economic aspects of planning coupled with managerial aspects. It addresses the professional needs of managers, executives and industrialists engaged in planning, management and execution of projects of varied nature by providing them the necessary theoretical orientation, discussion and analysis of practical problems in project appraisal/feasibility, as well as management of finance, marketing and human resources.

#### Course Structure: Term - I

DPM 411 Managerial Economics & Planning

**DPM 412** Principles of Management and

Organizational Behaviour

**DPM 413** Accounting & Financial Management

**DPM 414** Principles of Marketing Management

Term - II

**DPM 421 Human Resources Management** 

DPM 422 Project Management

**DPM 423** Project Finance **DPM 424 Project Work** 

Co-ordinator - UoH: Prof. Mary Jessica, School of Management Studies, University of Hyderabad. e-mail:vmjsun@gmail.com.

#### 8.7. DIPLOMA IN PANCHAYAT RAJ GOVERANCE & **RURAL DEVELOPMENT (DPRG & RD)**

State Institutes of Rural Development (SIRDs) organise massive trainings to the all the functionaries of Organise Inassive trainings to the all the Unitaries of PRIs to build their capacities for formulating and implementing local development plans for economic development and social justice. But most of these trainings are for short duration, as the number of functionaries to be trained is large in numbers. Besides this, there is a wide variation in terms of coverage and quality of training and the competency levels of trainers also vary. The system does not provide for enrolment of new resource persons who have interest in training and association with the PRIs. Because of the limitations of SIRDs, in depth study of various aspects Panchayat Raj is not possible. There has been ever increasing demand from ERs, for long time trainings that can give them sound knowledge of all important aspects of Panchayat Raj Governance. In order to the current problem in training ERs and functionaries NIRD&PR has designed aDiploma Programme on Panchayat Raj Governance and Rural Development' through distance mode. This course aims to cover ERs and PRI officials. PRIs to build their capacities for formulating and PRI officials.

**Programme Objective :** 1. Bridging the capacity building gaps of PR functionaries in a time bound manner and facilitate any-time-anywhere learning.

- 2. Offering opportunity for any individual to engage themselves with the society and pay back through the medium of Panchayati Raj.
- 3. Enabling the Elected Representatives to acquire additional skills, to help them to enhance their own repute and political career.
- 4. Providing opportunity for the former Elected Representatives to acquire a certificate based on their experience.
- 5. Creating a competitive ecosystem in the ERs and PR officials for better performance.
- Creating certified ERs who can act as Master Resource Persons.

The Programme will be for duration of one year with 28 credits in total. There will be 6 courses with 24 credits and course 7 will be project work. One credit will be equivalent to 15 hrs of learning which include going through course content, participation through discussion forum and working on assignments. The subjects offered are broadly categorized into six course. There will be contact sessions at suitable places during each semester. Attendance in the contact session is not compulsory. However the sessions will be useful fo the participants to attend.

**Course Details:** Course 1: Democratic Decentralization and Local Governance

Course 2: Panchayat Management

Course 3: Social Empowerment and inclusive Development

Course 4: Approaches to sustainable Rural Development

Course 5 : Leadership Development Training and e-Enablement

Course 6: Governance in schedule Areas

Course 7: Project Work

Co-ordinator: Prof. C. Raghava Reddy

Department of Sociology, School of Social Science

University of Hyderabad; e-mail:craghava@gmail.com

### 8.8. DIPLOMA IN INFECTION PREVENTION AND CONTROL (DIPC):

This course is primarily aimed at developing capacity among learners for best practices in Health Care Associated Infection Prevention and Control. Healthcare Associated Infections (HAI) can easily qualify as the most important patient safety concerns in hospitals. To address the menace of HAI, infection control is kept as one of the main objectives, while designing any healthcare delivery structure, policies and processes.

Almost all activities that are done within hospital and health care institutions have a bearing on infection control and there are a large number of studies that has resulted in various good practices for controlling infections. It is also a requirement under the National Accreditation Board for Hospitals and Healthcare Providers (NABH), Joint Commission International (JCI), The Saudi Central Board for Accreditation of Healthcare Institutions (CBAHI) and other accreditation bodies to review the standards and objective elements for Infection Prevention and Control best practices during the accreditation process in India and worldwide.

### The standards and guidelines are for the following aspects:

1. Facility and infrastructure for infection control

- 2. Organization for Infection control
- 3. Policies, processes, practices and implementation
- 4. Surveillance, monitoring and indicators

#### COURSE STRUCTURE: Term I: 6 Months

IPC 101: Basic & Applied Sciences – Anatomy, Physiology & Microbiology

IPC 102: Introduction to Health Care Associated Infections

IPC 103: Epidemiology of Health Care Associated Infections

IPC 104: Organization of Infection Control Committee in Health Care Settings

#### Term II: 6 Months

IPC 201: HAI Types and Bundle Care Approach including Policy Prescriptions

IPC 202: Universal Safety and Best Practices for HAI

IPC 203: Sterilization, Disinfection and Biomedical Waste Management

IPC 204: Project Work on HAI

### For more information and to apply online visit www.pgdipc.com

#### Co-ordinators from School of Medical Sciences, UoH:

Prof. B.R. Shamanna.

e-mail: brsham@uohyd.ac.in

#### Co-ordinator from IFCAI:

Dr. Ranga Reddy Burri, President, Infection Control Academy of India (IFCAI)

e-mail: dr.rangareddy@ifcai.in

#### 8.9. DIPLOMA IN COMMUNITY EYE HEALTH (DCEH)

Community Eye Health (CEH) extends the individual patientbased traditional clinical practice of ophthalmology to the assessment and facilitation of good eye health to the population as a whole through using an interdisciplinary and multidisciplinary approach.

This course aims to help professionals and programs to focus on delivering quality eye care to benefit the population. Since the delivery of the course covers a broad base of competencies, the skills learnt from this program can be applied to other health care and development programs.

#### At the end of this course, the learners would:

Acquire the knowledge and understanding of the core elements of community eye health;

- ·Know how to apply the core elements for activities related to the prevention of blindness;
- ·Empower peers and subordinates at their work areas to assist in CEH activities;
- ·Use the broad-based curriculum to implement systems in any health-related field;

Become effective communicators and carry out advocacy for CEH and development programs.

This course is a collaborative program from the School of Medical Sciences, University of Hyderabad & the International Centre for Advance for Rural Eye Care (GPR-ICARE), L.V. Prasad Eye Institute, Hyderabad a WHO Collaborating Centre for Prevention of Blindness.

#### **COURSE STRUCTURE: Term 1: 6 Months**

CEH 101 - Introduction & Essentials of Community Eye Health.

CEH 102 - Epidemiology of common eye conditions in adults & children.

CEH 103 - Research methods in CEH.

CEH 104 - Planning, monitoring and management of eye care programs.

#### Term 2: 6 months

CEH 201 - Health Economics and Sustainability in eye health.

CEH 202 - Resource mobilization, advocacy and social marketing in eye health.

CEH 203 - Universal Eye Health and Comprehensive eye care models.

CEH 204 - Mandatory Project in Community Eye Health.

#### Co-ordinators from School of Medical Sciences, UoH:

Prof. B.R. Shamanna

e-mail: brsham@uohyd.ac.in; Dr.Konda V Nagaraju e-mail: knr@uohyd.ac.in

Co-ordinator from GPR- ICARE: Dr. Srinivas Marmamula Associate Director - Public Health Research & Training (GPR ICARE) - e-mail: sri.marmamula@lvpei.org

### 8.10. DIPLOMA IN TELECOM TECHNOLOGY & MANAGEMENT (DTTM)

#### **Expected Training Outcomes:**

This program is expected to empower, equip and enable students to

- Thoroughly understand the intricacies of telecommunications and IT environment in India and its impact on business operations.
- Acquire cutting edge skill sets and know how in different areas such as switching, mobile networking and OF technologies
- Explore current bussiness trends and relate them to the ever increasing need of a multidimensional managerial function
- Acquire skill sets that help in setting team and individual business objectives

Gain insights to develop strategies and action plans to manage change in the dynamically evolving telecommunications, IT & ITES sectors.

Learn the latest trends and techniques in financial management relevant to emerging issues in the Telecom, IT & ITES sectors.

#### Features of the Programme

- Strong industry orientation
- Interdisciplinary mix of technology and management in curriculum
- Commitment to enable organisations achieve technical, operational and managerial excellence by their trained 'Vanguards of change'
- Endeavor to fulfill career and leadership aspirations of individuals by inculcating the right know how and skill sets.

#### **Programme Uniqueness**

- Flexible online learning module
- Interaction with top industry professionals and expert academic faculty in related areas during contact programs.
- Familiarisation with state of the art technologies during classroom and hands on lab training
- Field visits to telecom switching centers, exchanges, billing centers, customer service centers etc.

The Telecom Technology Module includes a through familiarisation with present and emerging technologies in four broad areas mentioned above which includes - PDH / SDH, NG SDH, DWDM, IPv6 Network, GSM, CDMA, 3G UMTS, Mobile VAS & IN etc.

The Telecom Management & Finance Module covers a wide gamut of emerging methods and techniques of finance and Management that are Telecom, IT and ITES specific.

#### Technology Module-Courses (Compulsory)

- 1. Telecom Switching Systems and Networks
- 2. Optical Fibre Communication
- 3. Telecom Networking
- 4. Mobile Technology

#### Management Module - Finance Area

#### Courses (Compulsory)

- 1. Finance, Budgeting and Revenue Assurance
- 2. Telecom Project Management and Strategic Planning

### Managment Module- Management Area Courses (2 Compulsory out of 4)

- 1. Telecom Regulatory Environment
- 2. Marketing and Customer Experience Management
- 3. Business Intelligence and Contract Management
- 4. HR & Performance Management Systems

**Co-ordinator**: Prof. Samrat .L. Sabat; School of Physics, UoH. e-mail:slsspuohyd@gmail.com

# 9. INFORMATION ABOUT THE UP-SKILLING PROGRAMMES

#### 9.1. DIPLOMA IN GOVERNANCE (DG)

#### (ONE YEAR PROGRAMME)

Governance has come to define one of the frontier areas of reach in the social sciences. There is growing interest in the political and policy domain concerning the meaning and content governance in a globalizing world. Governance issues have serious policy implementations in terms of reform of public institutions towards greater transparency, efficiency and accountability. Civil society groups call for a more inclusive and participatory governance thus restoring to governance issues a political dimension. Thus the significance of governance as an emerging area of research and practice cannot be overemphasized.

#### **OBJECTIVES/TARGET GROUPS:**

This Post-Graduate diploma aims to give Post-graduate students a cutting edge by training them to think and write about governance using their own disciplinary training, be it in sociology or economics or history or political science. It is also oriented to college teachers who may wish to enhance their skills and reorient their teaching interests. It is also aimed at professionals (advocates, entrepreneurs) and administrators who may be interested in issues such as best practice and accountability as well as E-governance.

Collaboration: TeamLeaseEdTech

#### What You Will Learn:

- 1. Theoretical Foundations of Governance
- 2. Public Policy Analysis and Implementation
- 3. Ethical and Legal Aspects of Governance.

#### **Program Syllabus:**

#### Semester I (21 Credits)

#### 1. Principles of Governance (7 credits):

- · Introduction to Governance and Public Administration
- · Theories of Democracy and Bureaucracy
- · Role of Institutions in Governance

#### 2. Public Policy and Analysis (7 credits):

Public Policy Formulation and Implementation

Policy Evaluation and Impact Analysis

Economic and Social Policy Issues

#### 3. Ethics and Governance (7 credits):

Ethics in Public Administration

Transparency and Accountability in Governance

Public Sector Ethics and Integrity

#### Semester II (22 Credits)

#### 1. Administrative Law and Governance (7 credits):

Principles of Administrative Law

Regulatory Frameworks in Public Administration

Judicial Control of Administrative Actions

#### 2. Urban Governance and Development (7 credits):

Urban Policy and Planning

Sustainable Urban Development

Local Government and Urban Administration

#### 3. Governance Capstone Project (8 credits):

Application of Governance Principles in a-

Real-World Scenario

 $Research\,or\,Project\,Work\,under\,Faculty\,Supervision$ 

Interaction with Public Policy Experts and Practitioners

#### **Program Coordinator:**

#### **Key Highlights:**

- 1. Comprehensive understanding of governance and public administration
- 2. Real-world application and case studies
- 3. Networking with policy-makers and governance experts

#### Course Structure:

#### Term - I

DG 411 : Theories and Concepts

DG 412 : Public Management

DG 413 : Themes and Issues in Governance

#### Term - II

DG 421 : E-Governance

DG 422 : International Governance

DG 423 : Project Work

Co-ordinator: Dr. E. Venkatesh

Department of Political Sciences, UoH.

e-mail: evs103@gmail.com.

#### 9.2 DIPLOMA IN ENERGY MANAGEMENT (DENM):

#### (One Year Programme)

With the objective of the Government of India to provide 24x7 power across the country by 2019, the government of India has taken several landmark decisions for generation of power, strengthening of transmission and distribution, separation of feeder and metering of power to consumers. Special focus is given to North East by giving approval to the North Eastern Power System Improvement Project and comprehensive scheme for strengthening of transmission and distribution in the North Eastern states. In the reform and restructuring front, various amendments are being brought in the Electricity Act and Tariff policy.

For the power sector, the methodology for e-auction of coal blocks will be completely transparent, encourages greater competition and efficiency and optimizes power tariffs.

Comprehensive state-specific action plans for 24x7 power to all homes is being prepared in partnership with respective states, encompassing generation, transmission and distribution. The power ministry has signed a memorandum of understanding with varied states under its 'Power for all' initiative that aims to cover the entire country soon.

With the support of government and entry of FIIs and private investors there is now a competitive environment in the Indian power sector as organizations are restructured into strategic business units instead of being state-controlled. It is therefore incumbent on state power Utilities to apply business prudence in all decisions and actions. The officials and supervisory cadre's charges with this responsibility will require strong business management skills. The School Management Studies attempts to impart such knowledge and skills through its one-year Post-Graduate Diploma in Energy Management. The objective of this, PGDENM programme is to impart techniques and approaches for managing resources in the most efficient and effective manner in the energy and power sector. Managing an organization unit requires general managerial skills apart from technical knowledge. Important general management traits that a manager should possess include:

Analytical ability, Creativity, Risk-taking ability, planning and controlling, Communication skills, Negotiating skills, leadership skills and facilitation of team work. The programme is designed to develop these traits.

Collaboration: TeamLease EdTech

#### What You Will Learn:

- 1. Fundamentals of Energy Systems
- 2. Sustainable Energy Practices
- 3. Energy Efficiency and Conservation Techniques

#### **Program Syllabus:**

#### Semester I (21 Credits)

#### 1. Principles of Energy Management (7 credits):

Introduction to Global Energy Systems

Basics of Energy Production, Transmission, and Distribution Energy Policy and Regulation

#### 2. Renewable Energy Sources (7 credits):

Solar, Wind, Hydro, and Biomass Energy Technologies Renewable Energy Integration and Grid Management Economics of Renewable Energy

#### 3. Energy Audit and Conservation (7 credits):

Energy Audit Techniques and Tools Industrial Energy Efficiency

Building Energy Performance and Green Buildings

#### Semester II (22 Credits)

#### 1. Advanced Energy Management Systems (7 credits):

Smart Grids and Energy Storage Solutions

Demand-Side Management

IoT in Energy Management

#### 2. Sustainable Energy Policies and Regulations (7 credits):

**Environmental Impact Assessment** 

Global and National Energy Policies

Regulatory Framework for Energy Efficiency

#### 3. Capstone Project in Energy Management (8 credits):

Practical Project on Energy Management or Sustainability

Industry or Research-Based Project

Collaboration with Energy Experts and Professionals

#### **Key Highlights:**

- 1. Comprehensive understanding of energy systems and management strategies
- 2. Hands-on experience with energy audits and renewable energy technologies
- 3. Networking with industry professionals and experts in energy management.

#### COURSE STRUCTURE:

#### Term I

DENM 411: Management & Organizational Effectiveness

DENM 412: Accounting & Financial Management

DENM 413: Human Resource Management

**DENM 414: Marketing Management** 

DENM 415: Quantitative and Research Methods

DENM 416: Energy Management for Sustainable

Development -1

#### Term II

DENM 421: Business Laws and Electricity Act 2003

DENM 422: Decision Support Analysis & Management

Information System

DENM 423: Tariff Structure and Analysis

DENM 424: Project Development and Management

DENM 425: Energy Management for Sustainable

Development-II

DENM 426: Project Work

Co-ordinator: Dr. Chetan Srivastava

Associate Professor, School of Management Studies

e-mail ID: dr.chetansrivastava@gmail.com

### 9.3 DIPLOMA IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING (DAI & ML) (One Year Programme)

The program attempts to nurture aspiratns in some of the core ideas and also provide the skill in Machine Learning (ML), Deep Learning and Artificial Intelligence (AI) that would help the students to raise their level to work on real world problems with cutting edge AI & ML strategies. This program will focus on practical knowledge along with mathematical and theoretical rigor for a well-rounded learning experience.

The program is for the 12-months duration, completely online with few contact classes at University of Hyderabad campus / Virtual mode, and it can be pursued by both working professionals and graduate students without having to take a break from Work or Graduate School. The programme does not require any pre-requisite knowledge and teaches everything from scratch, focusing on building skills that will enable participants for a lucrative career in this fast-growing domain.

#### Collaboration with TeamLeaseEdTech

#### What You Will Learn:

- 1. Advanced Algorithms in AI & ML
- Practical Applications of AI & ML
- 3. Programming for AI & ML

#### **Program Syllabus:**

#### Semester I (21 Credits)

#### 1. Foundations of AI & ML (7 credits):

Introduction to AI & ML concepts

Programming with Python and R

Fundamentals of Data Structures and Algorithms

#### 2. Data Science Essentials (7 credits):

Data Preprocessing and Wrangling

Exploratory Data Analysis

Basic Statistical Methods and Probability

#### 3. Applied Machine Learning (7 credits):

Supervised Learning Techniques

Unsupervised Learning Techniques

**Evaluation Metrics and Model Optimization** 

#### Semester II (22 Credits)

#### 1. Advanced Machine Learning (7 credits):

Ensemble Methods and Random Forests

Feature Engineering and Selection

Advanced Regression and Classification Techniques

#### 2. Deep Learning and Neural Networks (7 credits):

Introduction to Neural Networks

Deep Learning Frameworks (TensorFlow, PyTorch)

Convolutional Neural Networks (CNNs),

Recurrent Neural Networks (RNNs)

#### 3. Capstone Project (8 credits):

Application of AI & ML in real-world scenarios

Industry or Research-focused project

Guidance from industry and academic experts

#### **Key Highlights:**

Hands-on experience with real-world AI & ML projects

Access to mentorship from industry and academic leaders

Career support and placement assistance

**Co-ordinator:** Prof. Rajeev Wankar; School of Computer and Information Sciences, UoH; e-mail: rajeevwankar@gmail.com

# 9.4. Birth Care Practitioner (Birth Doula) Certificate Course (BCPCC) | (6 Months Course) Collaborative course: CDLTR, UoH and Fernandez Foundation

#### Part I - BASIC

- 1 month of online training (1 credit point).
- Support 1 mother shadowing mentors (learn how prenatal meetings are conducted, birth support and birth reflections); sensitisation to communication, exposure to 1 childbirth class (1 credit point).
- Recommended reading and written reflections (1 credit point).
- 2 hours of live interaction with mentors.
- 1 hour of interaction with experienced birth professionals.

#### **TOTAL 3 CREDIT POINTS**

#### Part II - INTERMEDIATE COURSE

- 2 months of online training (2 credit points).
- Support 2 mothers shadowing mentors (attend prenatal meetings, birth support and birth reflections); sensitisation to communication, exposure to 2 childbirth classes (2 credit points).
- Recommended reading and written reflections (1 credit point).
- 4 hours of live interaction with mentors.
- 1 hour of interaction with experienced birth professionals.

#### **TOTAL 5 CREDIT POINTS**

#### Part III - ADVANCED COURSE

- 3 months of online training (4 credit points).
- Support 3 mothers shadowing mentors (attend prenatal meetings, birth support and birth reflections); sensitisation to communication, exposure to 1 childbirth class (4 credit points).
- Recommended reading and written reflections (4 credit points).
- 9 hours of live interaction with mentors.
- 1 hour of interaction with experienced birth professionals.

#### **TOTAL 12 CREDIT POINTS**

Learners can enrol for a certificate course 1 at a time, with the Basic Course first, and this is a pre-requisite for completing the intermediate and advanced courses. This total 6-month program should be completed within 24 months of admission to get all the certificates. For birth support observation, 3 births are mandatory at Fernandez and 3 births at Sanctum Natural Birth Centre, Hyderabad or Birth Village, Kochi, India. This does not include accommodation.

- Prior information on dates and preferred sites for birth observation is mandatory.
- For birth support observation at Birth Village Kochi, the charges would be INR 3000/- per week.
- For certification 20 credit points plus birth support for 3 births (to be completed within 3 months. The certification births must be done at Fernandez).

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