Manipal
INSPIRED BY LIFE

# Sikkim Manipal University

## Directorate of Distance Education

GET THE DEGREE THAT WORKS | PROSPECTUS

www.smude.edu.in

SMU-DE

Sikkim Manipal University-Distance Education (SMU-DE) the beginning of the journey that will prepare you for a great career. SMU-DE has a vibrant student community with over 4 Lakh* students across India.

**Salient features**

- Sikkim Manipal University is recognized by:
- UGC
- Ministry of HRD
- Member of Association of Indian Universities (AIU)
- Distance Education Council for three academic years from 2009-10 to 2011-12
- Classroom environment created on EduNxt™ with anytime access with the help of Industry Mentor chat, discussion groups,videos, Blogs, news, case-studies and projects
- Sikkim Manipal University was ranked No. 1 for results and efficiency in the HT Horizons powered by Career360 survey
- Winner of e-India and e-Rajasthan awards for 'Digital Learning ICT Enabled University of the year'
- Over 1,500 scholarships offered for meritorious students
- Education loans facilitated to enable students afford higher education

*on rolls

Sikkim Manipal University, Gangtok

SMU is part of the Manipal Education and Medical Group (MEMG) which is one of India's leading education providers with over 50 years of experience in moulding the minds and careers of aspiring students. The group includes campuses in Manipal, Bangalore, Sikkim, Antigua, Dubai, Malaysia and Nepal. At present students from 53 countries are studying at various levels across 14 professional streams.

The group's foray in education encompasses:

- **Manipal University, Manipal**
- First deemed University with 3 campuses and 20 professional colleges
- **Sikkim Manipal University, Gangtok**
- Group was invited by the Government of Sikkim, to form a unique public-private partnership with the objective of providing the best in education for the students
- Distance education delivered through 700+ authorized learning centres
- **American University of Antigua, Antigua**
- Vibrant medical school with over 1,600 students
- The only integrated medical school in the Caribbean
- **IndiaSkills**
- The group has joined hands with City & Guilds, UK to form a unique initiative called IndiaSkills to offer professional skills education
- Aims to provide world class skills training that enables people to gain respectable employment
- Wide range of qualifications and certifications across different industry verticals
- **MeritTrac**
- Provides recruitment, employee and education assessments to our institutes and some of the top corporations in the world
- **Other Initiatives**
- Investment in U21 Global - the world's premier online graduate school
- Partnered with ICICI Bank to establish the ICICI Manipal Academy of Banking and Finance

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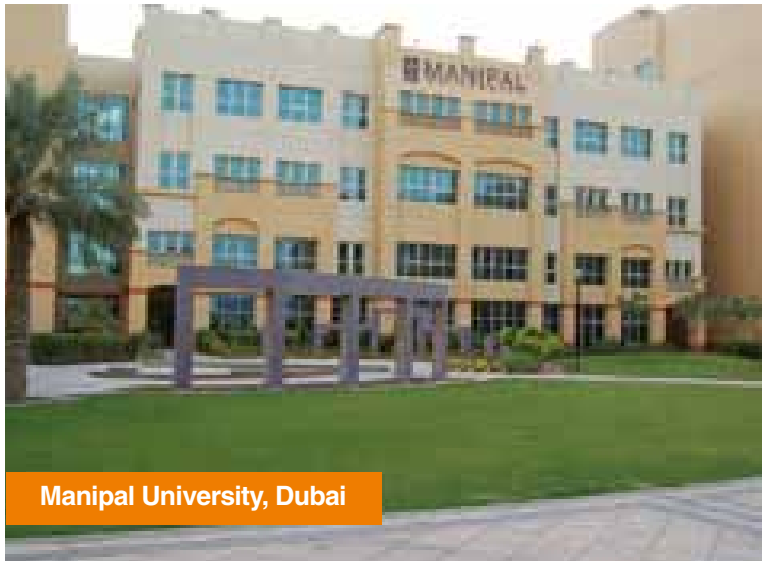
# MANIPAL EDUCATION - REACH

American University of Antigua, Antigua




Manipal University, Dubai

Manipal University, Manipal

Manipal College of Medical Sciences, Nepal

Melaka Manipal Medical College, Malaysia

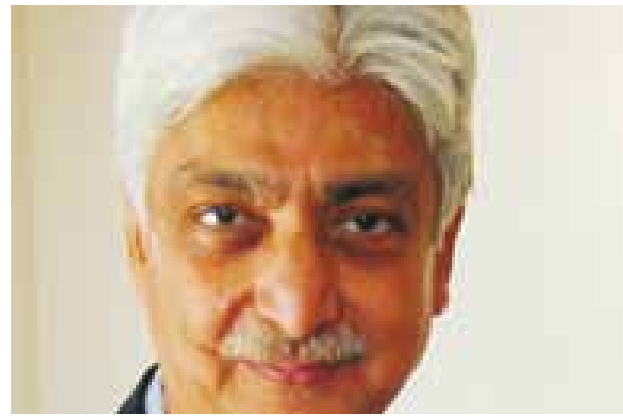
# WHAT THE LUMINARIES HAVE TO SAY

Manipal is like the Nalanda of yore. I am happy to see engineering, medicine and other disciplines being taught in the same campus, an ideal environment for research to flourish.

**Dr. APJ Abdul Kalam,**
**Former President of India**

The right thing to do for marginalized society would be to provide them education. To do this at a scale needed, we need to enlist private initiative as much as possible. The example of Manipal serves as a beacon which could guide both Central and State Governments on what can be done.

**Dr. Montek Singh Ahluwalia,**
**Dy Chairman, Planning Commission**



When Dr.TMA Pai decided to build a medical college in Manipal, it sounded like an impossible dream. In the space of 50 years, Manipal was transformed into an education capital, which is proof enough of a powerful vision.

**Mr. Azim H Premji,**
**Chairman, Wipro**

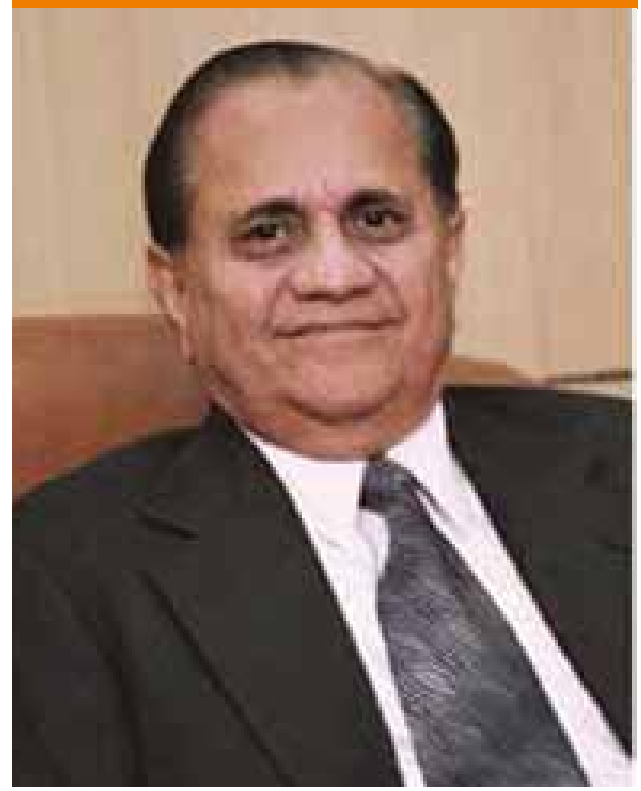
Wish Manipal University all the best and the Country needs such Institutions in all States - specially in rural areas - so hope Manipal will expand its facilities all over the Country.

**Shri. Dinesh Trivedi,**
**Hon. Minister for State for Health and Family Welfare**
**Govt. of India**

# Disciplines

- Pro Degree
- Allied Health Science
- Hospitality & Tourism Management
- Information Technology
- Management
- Vocational Sciences

# PRO CHANCELLOR'S MESSAGE



**Dr. Ramdas M Pai**
Pro Chancellor, Sikkim Manipal University

## Dear Student,

It is with great pleasure that I welcome you to the portals of this great learning institution, the Sikkim Manipal University (SMU). SMU-DE has been at the forefront of distance education since 2001.

It is estimated that in 2012, over 14 million students will be enrolled in some form of distance education. The government plans to increase the number of students enrolled in the distance education system from 16 lakh to over 80 lakh in the next 5 years and the planning commission has recommended that distance education meet 40% of the higher education requirement. To meet these ambitious goals, having a quality distance education institute is of paramount importance.

Since inception, SMU-DE's sole aim has been to provide quality distance education to students. In order to ensure that more students have access to distance education, Manipal also offers various scholarships to enable students of all backgrounds to have access to quality education. SMU-DE offers career oriented programs via its Directorate of Distance Education and the lectures for these programs are delivered at our authorized Learning Centres.

With a faculty that is committed to excellence, your learning is further strengthened by the diversity of the faculty and student body. This makes the journey of education more exciting.

I look forward to welcoming you to the World of Manipal!

# VICE CHANCELLOR'S MESSAGE

**Brig. (Dr.) S. S. Pabla**
Vice Chancellor, Sikkim Manipal University

## Dear Student,

I welcome you to the world of Sikkim Manipal University. The University draws upon the expertise of the Manipal Education and Medical Group, which is an established global leader in higher education and healthcare for over five decades. The group's education network comprises 3 Universities, 9 campuses, 30 professional colleges and over 4 lakh students on rolls.

Sikkim Manipal University – Distance Education (SMU–DE) offers distance education programs as a part of its effort to bring education to masses and fulfill the growing demand for technical and management professionals.

SMU–DE has a wide network of authorized Learning Centres for guidance and counselling of students of our career-oriented programs at the Diploma, Bachelors, Postgraduate Diploma and Masters levels. Our main focus is ensuring that students receive education that is relevant to the industry and the highly competitive global marketplace. By integrating a highly researched curriculum with industry relevant concepts and practices, the University offers a unique blend of theoretical and cutting edge functional inputs to students.

Recently, SMU–DE has introduced the next generation learning system called EduNxt™. This interactive learning system has garnered many accolades including e-India and e-Rajasthan awards. SMU–DE also offers many scholarships to students of all backgrounds; which help them fulfill their dreams of receiving a quality education.

Here's hoping you will find our programs rewarding, informative and fulfilling.

Looking forward to seeing you in SMU-DE.

# DISTANCE EDUCATION - THE WAY FORWARD

The distance education in schooling is offered mainly by the National Institute of Open Schooling (NIOS). Some states also have their own open schooling institutes. Of one crore children in the 14 to 18 age group pursuing secondary education, roughly 16 lakh are enrolled through open schooling system. This number [16 lakh] is not good enough. It should be increased to about 70-80 lakh by the end of the 11th Five Year Plan and should be 1.5 crore by 2020.

**Mr. Kapil Sibal**
**Hon. Union Minister for Human Resource Development**

Sikkim Manipal University is a unique PPP model.

**Mr. Narayana Murthy,**
**Chief Mentor, Infosys**

Technology is a great tool available for expansion to improving quality of higher education, vocational education and even school education. I would like to compliment you for the effort and wish you lot of luck in your future endeavours.

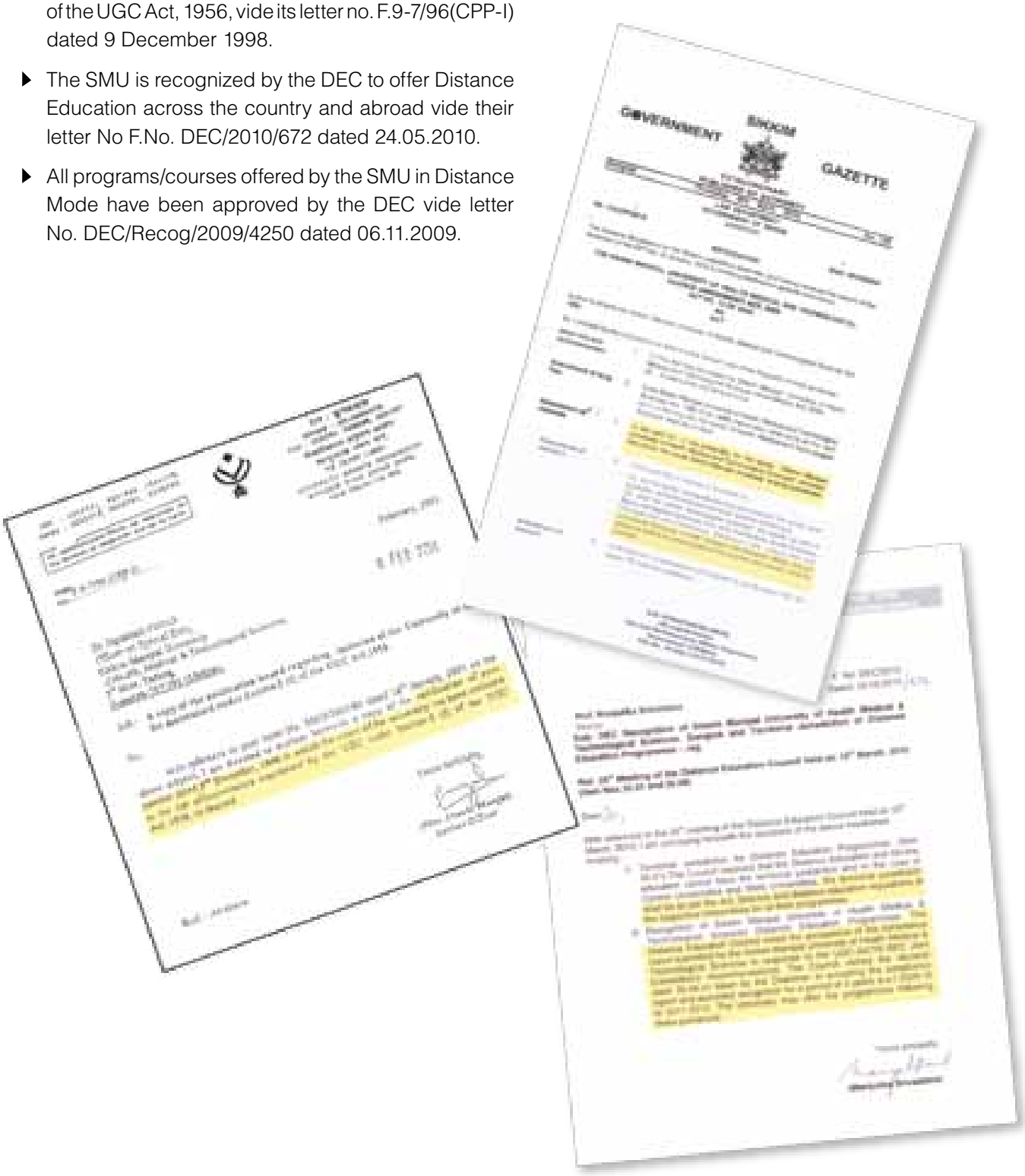
**Mr. Sam Pitroda,**
**Advisor to the Prime Minister of India on Public Information Infrastructure & Innovations**

**(Speaking at the SMU-DE case-study contest & awards function at EDGE, Delhi)**

# WIDESPREAD RECOGNITION



- The Sikkim Manipal University, Gangtok is incorporated under the State Legislative Act (Act IX of 1995) of the Government of Sikkim.
- The SMU is recognized by the UGC under Section 2(f) of the UGC Act, 1956, vide its letter no. F.9-7/96(CPP-I) dated 9 December 1998.
- The SMU is recognized by the DEC to offer Distance Education across the country and abroad vide their letter No F.No. DEC/2010/672 dated 24.05.2010.
- All programs/courses offered by the SMU in Distance Mode have been approved by the DEC vide letter No. DEC/Recog/2009/4250 dated 06.11.2009.



# SMU-DE IS #1 IN THE COUNTRY

**National survey of 176 distance education universities by Careers 360 magazine (published in Hindustan Times' career supplement HT Horizons)**

Ranks SMU-DE 1st for Results & Efficiency and the 3rd best in the country.

The rankings are reproduced below.

| Category | Rank |
|---|---|
| Overall | 3 |
| Results & Efficiency | 1 |
| Learning Experience | 2 |

Careers360, India's premier careers magazine, spearheaded a huge exercise that involved collating data on 176 top Distance Learning institutions, visits to select universities, study centres and interviews with stakeholders (see methodology for more details). This ranking project involved examining 30 top institutions under three broad domains, namely, Reach & Resources, Learning & Experience, and Results & Efficiency.

**Methodology**

The Open and Distance Learning Institutes (ODLIs) in India comprises 249 institutes, out of which 176 institutes are currently offering Distance Education Programs. Given the nature of operations of ODLIs and the lack of adequate data with the Distance Education Council (DEC) as also in the public domain, shortlisting of 50 institutions was done based on student enrolment data. The logic being the popularity of the institutions, on the basis of their admissions. Careers360 then sent letters to these 50 institutions with a questionnaire and also requested data from the DEC. Based on the responses received from the institute as well as the data supplied by DEC and in-house research, 30 institutes were finally chosen for ranking purpose. Further, visits were made to the all the institutes that responded as well as to select study centres of others to build a robust database based on input-process-output methodology. The input primarily looked at the reach, infrastructure and diversity of the institutions in providing distance education. The process emphasised on the quality of resources and delivery mechanism, while output focused on the performance of the institute in facilitating the trained student in getting a better prospect.

The Careers 360 survey is the first of its kind in the distance learning space and clearly establishes SMU-DE in the top 3 best distance learning institutions in India.

Ranked 1st for Results and Efficiency – a must for working professionals looking for credible, authorised education – and ranked 2nd for Learning and Experience – a crucial step for a great career for first-time job seekers.

The degree that works, helping students reach out to excellence

# SMU-DE - CHANGING THE FACE OF DISTANCE EDUCATION

In the last few years, SMU-DE's innovative approach to the development and delivery of education has made it one of India's leading distance education providers. SMU-DE has developed an education system which is innovative and effective.

## Distance Education the SMU-DE way

Our distance learning experience blends flexibility and convenience from the learner's perspective combined with academic rigour and quality in instruction.

The SMU-DE way is learner-centric and combines four distinct learning delivery systems:

**Self Learning:** High quality self learning material is made available both in print and digital form.

**Counselling at Learning Centres:** Students can avail counselling at any of our learning centres located across the country.

**VSAT** delivered lectures: Supplementary instruction and expert sessions delivered across our VSAT network.

**EduNxt™:** Makes the innovative use of technology an essential element of the learning experience using the Manipal Education Technology Network for Learning Optimised (MENLO) platform.

EduNxt™ is the next-generation interactive learning system that is designed to change the way a student learns. Convenient and easy to use, EduNxt™ creates a virtual classroom environment using simulation, recorded presentations, interactive content, self-study content, and shared browsing.

### EduNxt™: a spice for every recipe

**Articles/SLM** - Students can access SLM and relevant articles online. The articles are frequently updated to keep the student informed on current affairs.

**Industry mentor chats** – Students can interact with the best business minds and experts in various areas.

**Academic mentor chats** - A student can chat with the university faculty to clear any doubts he/she might have.

**Dashboard** - A student can plan his/her study timetable much better by tracking further progress and keep a count on what has been read and what's remaining.

**Soft skills** – A student can watch videos and make use of a variety of resources to further enhance soft skills.

**Crack-it case study contest** - The case study contest is held regularly where a student can display his/her skills at solving case studies and problems within the allotted time.

### Other features

- Peer to Peer Chats
- Assessments
- Videos
- Student space
- Alerts
- Project guidance
- Assignments
- Discussion forums
- Model Question papers
- Blogs
- News

## MAKE EDDIE YOUR BUDDY

### How EduNxt™ makes learning fun

- Recreates classroom environment.
- Easy and quick access to educational resources across Manipal Education institutions.
- The platform that enables placement and soft-skills training.
- Commitment to improve quality of professional education via distance mode, leading to higher acceptance amongst employers.

EduNxt™ combines academic rigour and a personalized learning environment along with SMU-DE's hybrid learning delivery system with its flexibility, convenience and accessibility to offer a first of its kind learning environment in India.

# EduNxt™ ACCOLADES

## Winner of e-India and e-Rajasthan awards

SMU-DE was conferred the 'Digital Learning ICT Enabled University of the Year' for its new technology infused learning system "EduNxt™" at the 5th e-INDIA 2009 Awards Conference and exhibition organised by the Centre for Science, Development and Media Studies in Hyderabad on August 26, 2009. In six months time, SMU-DDE was conferred the e-Rajasthan award for 'ICT enabled university/ higher education institute of the year' for its learning system 'EduNxt™'. On winning these accolades, Mr. Anand Sudarshan, MD & CEO, Manipal Education, said, "We are honoured to have received this commendation from e-India and e-Rajasthan. This recognition reaffirms our commitment in using technology to drive the next level in education and making high quality education affordable and accessible through the length and breadth of our country."

**Shri. A.M.Thimmiya, Member, SMU Academic Senate, with the e-Rajasthan award**

# EduNxt™ - TRANSCENDING BARRIERS

## V.N. Rajasekharan Pillai speaks

SMU-DE's technology based initiative such as EduNxt™ will empower students in their learning experiences. I see EduNxt™ as truly being the way forward for distance education in India, as is the case in the international education services sector. I am confident SMU-DE will continue to contribute to the distance education sector in India in a significant manner. I am sure that SMU-DE will ensure strict adherence to quality assurance norms in the content and delivery and provide affordable education opportunities for all. I wish the institution all the success.

**Dr. V.N.Rajasekharan Pillai,**
**Chairman, DEC**

## Sukhadeo Thorat speaks

I am happy to know that Sikkim Manipal University of Distance Education, Manipal is going to launch EduNxt™ (Technology Infused Collaborative and Distributed Learning System) in stages from the August 2009 session. I send my best wishes and greetings to the University for the same.

**Dr. Sukhadeo Thorat,**
**Chairman, UGC**

## Steve Ballmer speaks

India's emergence as a global technology centre is the direct result of its strong education system. At Microsoft, we have always believed that education is the foundation for opportunity and success. One of our most important commitments is to help deliver high-quality educational materials to those who lack access to teachers and resources. The EduNxt™ distance learning platform is a great example of how information technology can extend the reach of great educational resources. We look forward to continuing to work with Manipal Education to expand educational opportunities in India.

**Mr. Steve Ballmer, CEO,**
**Microsoft Corporation Pvt. Ltd.**

# VIDYADEEP SCHOLARSHIP - REWARDING MERIT

Vidyadeep is a nationwide scholarship offered to 1500 meritorious and deserving students of Sikkim Manipal University - Distance Education (SMU-DE) programs. This scholarship is a first of its kind in the field of distance education in the country.

The Vidyadeep scholarship is offered to students from the following streams – IT, Management, Journalism & Mass Communication, Fashion, Hospitality & Tourism, Allied Health, Bioinformatics and Biotechnology.

### Highlights

Scholarships that provide up to 100% of semester fee waiver.

1500 scholarships offered across India.

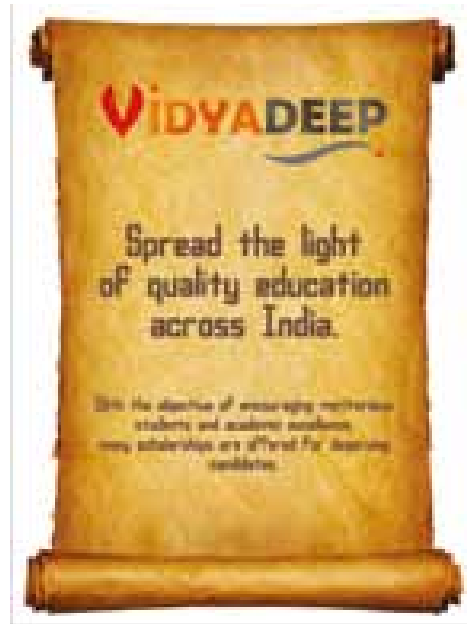
### Eligibility

Students should be bellow poverty line.

Students should be enrolled in any SMU-DE program.

The scholarship will be awarded based on the student's performance in the first semester exam.

**Brig. (Retd) Dr. S.S.Pabla, Vice Chancellor - SMU and Mr. Anil Kumble, Brand Ambassador, Manipal Education, launching the Vidyadeep scholarship program.**




"Vidyadeep is a laudable initiative to help deserving students realize their educational dreams. I am sure this is a milestone in itself. SMU-DE is revolutionizing distance education in India providing access and equity to all its students."

**Anil Kumble,**
Brand Ambassador
Manipal Education

"Commemorating our commitment to higher education for all, we are proud to launch the sholarship program for our students. We encourage our students to apply and avail this opportunity to realise their dreams."

**Brig. (Retd) Dr. S.S. Pabla,**
Vice Chancellor, SMU

# VIDYADEEP CASE STUDY CONTEST

As part of Vidyadeep, a unique case-study contest was launched for the MBA students of SMU-DE, providing them a platform to showcase their problem solving skills and decision making abilities. The Case-study contest was a culmination of more than six weeks of activity and enthusiastic participation. Six teams from over 250 that participated were chosen and asked to present their solutions to distinguished academicians and industry experts.

The winners received a prize of Rs. 75,000 from the Guest of Honour Sri Sam Pitroda, Advisor to the Prime Minister of India on Public Information, Infrastructure and Innovation. The first runners up received a prize money of Rs. 50,000 and the second runners up received a prize money of Rs. 25,000. The other finalists received consolation prizes of Rs.10,000.

Judges deciding the winners

Sam Pitroda giving away the award to K Balaji and Sabina Khan, winners of Vidyadeep Case-study contest.

# FACULTY TRAINING PROGRAMS & STUDENT PLACEMENTS

### Faculty Training Program

At SMU-DE, we believe that an informed and vibrant faculty makes learning interesting. Keeping this in mind, we organized an academic conference titled “Online and e-learning” at the India International Centre. The conference brought together all the learning centre faculty and directors and provided them an opportunity to share views about distance and online education. In order to get a deeper insight into distance education, the Learning Centre faculty also undertook research in the area of E-learning and presented papers on the same.

### Placements

Our constant endeavor has been to provide education that will not only empower students with knowledge but also facilitate them get good jobs. As a part of the placement drive, Tata-AIG and Ravar group of Pune recruited over 60 students with attractive packages.

**Director and Dean, SMU-DE, address the audience at the first EduNxt Academic Conference.**

**A.M. Thimmiya, Member, Academic Senate, SMU giving away Certificates to the winners.**

# CONVOCATION - 2010

Saraswathi Vandana at Convocation, Ahmedabad

Mr. B.M. Lanong, Deputy Chief Minister, Meghalaya, Chief guest at Guwahati, addressing the gathering

Students celebrating their graduation at Guwahati

Prof. Sujay Basu, Jadhavpur University, addressing the gathering at Kolkata

Dr. S. N. Guha, Vice Chancellor, Aryabhatta Knowledge University, addressing the gathering at Patna

Dr. P. K. Vasudeva, Expert Panelist - IPR, National Institute of Science, Communication and Information Resources of CSIR, Chief guest at Chandigarh, addressing the gathering

# CONVOCATION - 2010

**The Sikkim Manipal University - Distance Education Convocation 2010 was held in different cities across India - Kolkata, New Delhi, Patna, Chandigarh, Ahmedabad & Guwahati and was attended by cognoscenti in all the sectors.**

Brig. (Dr.) S. S. Pabla, Vice Chancellor, SMU, declaring the convocation open at Kolkata

Dr. V. N. Rajasekharan Pillai, Chairman DEC, lighting the lamp at New Delhi

Dr. Vinod Bhat, Guest of Honour, awarding degree to a student at New Delhi

Students taking oath at Chandigarh

Mr. A. M. Thimmiya, member academic senate, SMU, handing over the memento to Mr. N. M. Sharma, MD, Gujarath State Co-operative Cotton Federation, at Ahmedabad

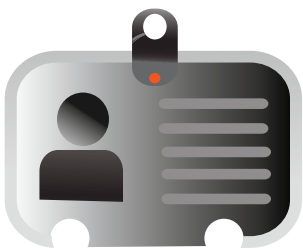
# ADMISSION PROCESS

**Fill application form as per instructions and submit at Learning Centre**

Application I Attested supporting documents I DD

**Learning Centre verifies and accepts the application and forwards the same to University**

**Once received at the University the application is verified and status of the same is uploaded on the SMU-DE website**



**On acceptance, the University will allocate Registration number and Photo ID**

**The Photo ID, study materials and the EduNxt™ password is dispatched to the Learning Center**

**The student collects the Photo ID, study materials and the EduNxt™ password to start program study**

**DE Online - Registration of Distance Education Online**

For new admissions, students can now apply for SMU-DE programs, re-register to the programs in the subsequent semesters and also submit their re-sitting application for appearing for examinations, making the necessary payments through either DD or Bank challan or secure payment gateway of their choice.

The online portal will allow students to login either through secure pin or password credentials, permit them to save draft, track the status of their applications. Students will also receive SMS / email alerts / notification from the University during various touch points. The University authorized Learning Centres will make the first level verification of documents before forwarding them for further enrolment procedures at the University.

Overall, the online portal delivers excellent student-facing features and a unique end-user experience. The URL of SMU online portal is - http://admissions.smude.edu.in

**Admission Policies**

- Intelligent, ethical, articulate and active individuals with a will to upgrade their skills are encouraged to pursue the University programs.
- The applicant has to submit a completed application along with relevant enclosures to the University authorized Learning Centres well within the due date.
- The Learning Centres will forward the admission forms to the University after verification of the eligibility documents
- If the application is complete in all respects and the University is satisfied with the applicant's eligibility and suitability for admission into the respective program, the student will be granted admission to that program.
- No candidate is permitted to pursue more than one program at a time from SMU-DDE.
- The University reserves the right to accept or reject any application.
- If the applications received from the students are not complete in any respect, those students may be given provisional enrolment at the University's discretion. Such students will have to submit the required eligibility documents as communicated by the University at the earliest, upon receipt of which their enrolment will be confirmed subject to the eligibility fulfillment. Provisionally enrolled students will be allowed to appear in the examinations only after their enrolment is confirmed.
- Students who have enrolled in the program of the University will be provided a program guide for the program. They should go through the same thoroughly.
- An identity card will be provided to students after their enrolment in a program.
- Those students who are unable to complete the program within the specified validity period are required to register themselves afresh through readmission by paying the requisite fee as per the University regulations.

**Manipal Universal Learning (ManipalU)**
is the Learning Resource Development Centre of SMU and supports the University in the delivery of the programs through University authorized Learning Centres spread across the country.

**Program Structure**
Course material is specially designed by a team of experts drawn from different industries, University and in-house faculty. The program curricula is designed and scrutinized by experts to meet the market demands.

**Support Services**

- Counseling Sessions: Learning Centres provide students with a platform to interact with counselors, other students and to also use the library. Students shall receive personal attention and support at these Learning Centres, including hands-on training at designated Learning Centres. The Learning Centres will provide counseling and hands on experience for each program (each semester) as indicated in the respective program headings. The Learning Centres will act as the access and contact points between the University and the students.

  Students are required to pay only the mandatory fee prescribed in the prospectus, in favour of the University. If a student desires extra service from the Learning Centre, he/she will have to make his/her own arrangements with the Learning Centre. The University has no obligations in this regard. However, under no circumstances should the students be compelled to take these extra services.
- Course Material: Comprehensive printed study material specially designed for independent study for both theory and practical component, is supplied in batches to the Learning Centres for every program and to every student. Students have to collect the material pertaining to their program along with the program guide.
- Practical Sessions: These will be held at the Learning Centres or at specially designated centres.
- Assignment for Assessment and Feedback
- Industry Related Project Work
- Online delivery through VSAT, wherever required

**University Term End Examination**
The university term end examination will be conducted either manually or in a computer assisted mode. The details of the examination mode will be made available as part of the Examination Regulations released by the university from time to time.

**Credit System**

The 'credit system' is followed in all programs, wherein each credit amounts to 30 hours of study.

# EVALUATION AND GRADING

## (I) Information Technology, Management, ProDegree & Commerce

The assessment system has been conceived, developed and administered on a rigorous and fair basis to bring out the best in students and prepare them for challenging careers. A student's performance is based on:

- Continuous evaluation, performed at the local Learning Centres, carrying 30% weightage on the final score.
- University examinations, conducted at the examination centres and evaluated by the University, carrying 70% weightage on the final score.
- Continuous evaluation is done through assignments and practicals. In each subject, a student should secure atleast 35% marks in continuous evaluation and 35% marks in the University examinations and a consolidated average of 40% to be declared pass.

Based on the student's performance, the following grading system will be adopted:

- A = Excellent (+70%)
- B = Very Good (+60%)
- C = Good (+50%)
- D = Satisfactory (+40%)
- E = Failure

## (II) Allied Health Sciences and Life Sciences

### A) For BScMLT, BScMIT, BScHIA

The assessment system has been conceived, developed and administered on a rigorous and fair basis to bring out the best in students and prepare them for challenging careers. A student's performance is based on:

- Continuous evaluation, performed at the local Learning Centres, carrying 20% weightage on the final score.
- University examinations, conducted at the examination centres and evaluated by the University, carrying 80% weightage on the final score.
- Continuous evaluation is done through assignments and practicals. In each subject, a student should secure at l east 50% marks in continuous evaluation and 50% marks in the term-end examination, and an average of 50% to be declared pass. Based on the student's performance the following grading system will be adopted:

- A = Excellent (+80%)
- B = Very Good (+70%)
- C = Good (+60%)
- D = Satisfactory (+50%)
- E = Failure

University practical exams will be conducted at pooled examination centres and students should make their own arrangements to attend the examinations.

### B) For BScBT, MScBT, MScBI, MBAHCS, MScCRRA, PGDHSM

The assessment system has been conceived, developed and administered on a rigorous and fair basis to bring out the best in students and prepare them for challenging careers. A student's performance is based on:

- Continuous evaluation, performed at the local Learning Centres, carrying 30% weightage on the final score.
- University examinations, conducted at the examination centres and evaluated by the University, carrying 70% weightage on the final score.
- Continuous evaluation is done through assignments and practicals. In each subject, a student should secure at least 35% marks in continuous evaluation and 35% marks in the University examinations, and a consolidated average of 40% to be declared pass.

Based on the student's performance, the following grading system will be adopted:

- A = Excellent (+70%)
- B = Very Good (+60%)
- C = Good (+50%)
- D = Satisfactory (+40%)
- E = Failure

## (III) Vocational Science

Applicable for the programs of Journalism & Mass Communication, Apparel & Fashion Design and Hospitality & Tourism.

The assessment system has been conceived, developed and administered on a rigorous and fair basis to bring out the best in students and prepare them for challenging careers.

A student's performance is based on:

- Theory part is assessed by the performance based on continuous evaluation through assignments and term-end examinations conducted at the examination centres. A student must get an average of 40% in both the parts and minimum of 35% in each part.
- The assessment in practical part is based on the performance in Guided & Unguided exercises. A student must get an average of 40% in both the parts and minimum of 35% in each part.

# EVALUATION AND GRADING



Based on the student's performance the following grading system will be adopted:

- A = Excellent (+70%)
- B = Very Good (+60%)
- C = Good (+50%)
- D = Satisfactory (+40%)
- E = Failure

**Examination Results**

The student is informed about the examination schedule and Examination Centre through the admit card and also through the website www.smude.edu.in. The Examination Centre will be different from the Learning Centre. Eligible students will be given admit cards to appear in the Term-end examination. Students will have to produce the identity card and admit card to appear in the term-end examination at the Examination Centre. The examination pattern is available in the program guide provided to the students.

The results will be published in the University website at www.smude.edu.in and the eMark Card of the semester examination will be made available under Student Login. For information and records respective students may download the eMark Card, which does not require any signatures. Students are advised to note that those who have completed successfully all semesters of the program will receive Consolidated Mark Card (CMC) at the end of the program as per university regulations. Students, who are in need of a signed mark card of individual semesters, may apply to the University in the prescribed form along with necessary fee. The mark card(s) will be sent to the address as mentioned in the application form.

If a student fails to clear any of the papers (either in IA or UE or both), s/he has to re-appear for the relevant papers by applying to the University through the re-sitting application along with the prescribed fee, within the due date.

**Award of Degree**

All successful students will be awarded respective Diploma / Degree / PG Diploma / Master's Degree by the University.

**Right to amend rules**

The University reserves the right to add / delete / change / amend the syllabi, program structure, rules and regulations wherever considered necessary and appropriate without any prior notice. The students are advised to go through the website frequently where all circulars and important information will be hosted from time to time. Promulgation of any such information on the website in the form of circulars/ notices is considered to be adequate.

**Jurisdiction**

All the disputes relating to the University programs and activities are subject to Udupi, Karnataka, India jurisdiction only.

# GENERAL ENTRY SCHEME FOR SMU-DE PROGRAMS

| ALLIED HEALTH SCIENCE | | |
|---|---|---|
| **PROGRAM NAME** | **DURATION** | **ELIGIBILITY** |
| Diploma in Health Information Administration (DHIA)@ | 2 years (4 semesters) | (a) 10+2 or equivalent OR<br>(b) 2 year vocational program in Medical Records/Health Information after 10th standard from a recognized Institution/Board |
| Diploma in Medical Laboratory Technology (DMLT)@ | 2 years (4 semesters) | (a) 10+2 or equivalent in Science OR<br>(b) 2 year vocational program in Medical Laboratory Technology after 10th standard from a recognized Institution/Board |
| Diploma in Medical Imaging Technology (DMIT)@ | 2 years (4 semesters) | (a 10+2 or equivalent in Science OR<br>(b) 2 year vocational program in Radiography / Radio Diagnosis after 10th standard from a recognized Institution/Board |
| Bachelor of Science in Applied Biotechnology (BScBT) ## | 3 years (6 semesters) | (a) 10+2 or equivalent with Biology and Chemistry OR<br>(b) 10+2 or equivalent in Science without Biology with Foundation program of SMU |
| Bachelor of Science in Health Information Administration (BScHIA)@ | 3 years (6 semesters) | (a) 10+2 or equivalent in any discipline OR<br>(b) 2 year vocational program in Medical Records / Health Information after 10th standard from a recognized Institution/Board |
| Bachelor of Science in Medical Imaging Technology (BScMIT)@ | 4 years (8 semesters) | (a) 10+2 or equivalent with Science OR<br>(b) 2 year vocational program in Radiography / Radio Diagnosis after 10th standard from a recognized Institution/Board |
| Bachelor of Science in Medical Laboratory Technology (BScMLT)@ | 4 years (8 semesters) | (a) 10+2 or equivalent in Science OR<br>(b) 2 year vocational program in Medical Laboratory Technology after 10th standard from a recognized Institution/Board |
| PG Diploma in Healthcare Services Management (PGDHSM) ## | 1 year (2 semesters) | An MBA Degree from a recognized University or an equivalent of a two year Post Graduate Diploma in Business Management from an AICTE approved institution. Students who have completed the SMU MBA degree in the past are also eligible to pursue this program, should they wish to acquire a post graduate diploma qualification in an added area of specialization. |

## Program offered at select IT & Management and Allied Health Learning Centres
@ Program offered at select Allied Health Learning Centres

| ALLIED HEALTH SCIENCE | | |
|---|---|---|
| **PROGRAM NAME** | **DURATION** | **ELIGIBILITY** |
| PG Diploma in in Bioinformatics (PGDBI) ## | 1 year (2 semesters) | (a) Graduate from a recognized University in Life Science / (Biotech/Botany / Zoology / Microbiology / Chemistry)/In Science with Physics, Mathematics, Statistics/Nursing /Home Science / Food and Nutrition / Agriculture / Dairy technology / Horticulture / Forestry / Fisheries OR<br>(b) Graduate from a recognized University in Health Sciences (MBBS / BDS / BAMS / BHMS / BUMS / BVSc / BSSM/BNYS) OR<br>(c) Graduate from a recognized University in Allied Health Sciences (BMLT / BScMLT / BPT / BMIT / BScMIT / BHIA / BScHIA / BOT / BSc (Sp & Hg) / BASLP/ BSc (Opt) / Pharmacy (BPharma) OR<br>(d) BE in Biotech / BCA / BSc IT / BSc CS |
| PG Diploma in Clinical Research & Regulatory Affairs (PGDCRRA)@ | 1 year (2 semesters) | (a) Graduate from a recognized University in Health Sciences BDS / BAMS / BHMS / BUMS / BVSc / BSSM OR<br>(b) Graduate from a recognized University in Allied Health Sciences (BMLT/ BScMLT / BPT/ BMIT / BScMIT / BHIA / BScHIA / BOT / BSc (Sp&Hg) / BASLP / BScOpt) / Pharmacy (B Pharm) OR<br>(c) Graduate from a recognized University in Life Sciences (with Biotech / Botany / Zoology / Microbiology / Chemistry) / Nursing / Home Science / Food & Nutrition |
| Master of Business Administration in Health Care Services (MBAHCS) ## | 2 years (4 semesters) | *Graduate |
| Master of Science in Bioinformatics (MScBI) ## | 2 years (4 semesters) | (a) Graduate from a recognized University in Life Science (Biotech/Botany/ Zoology / Microbiology / Chemistry)/In Science with Physics, Mathematics, Statistics/Nursing/Home Science / Food and Nutrition / Agriculture / Dairy technology / Horticulture / Forestry / Fisheries OR<br>(b) Graduate from a recognized University in Health Sciences (MBBS / BDS / BAMS / BHMS / BUMS / BVSc / BSSM / BNYS) OR<br>(c) Graduate from a recognized University in Allied Health Sciences (BMLT / BScMLT / BPT / BMIT / BScMIT / BHIA / BScHIA / BOT / BSc (Sp & Hg) / BASLP / BSc (Opt) / Pharmacy (BPharm) OR<br>(d) BE in Biotech / BCA / BSc IT / BSc CS |

## Program offered at select IT & Management and Allied Health Learning Centres
@ Program offered at select Allied Health Learning Centres

* Graduate means a candidate who has successfully completed a 3 year Degree Program from a recognized University.

# GENERAL ENTRY SCHEME FOR SMU-DE PROGRAMS

| ALLIED HEALTH SCIENCE | | |
|---|---|---|
| **PROGRAM NAME** | **DURATION** | **ELIGIBILITY** |
| Master of Science in Clinical Research Regulatory Affairs (MScCRRA)@ | 2 years (4 semesters) | (a) Graduate from a recognized University in (BDS/ BAMS/ BHMS/ BUMS/ BVSc/ BSSM) OR<br>(b) Graduate from a recognized University in Allied Health Sciences (BMLT/ BScMLT / BPT / BMIT /BScMIT /BHIA /BScHIA / BOT/BSc / (Sp&Hg) BASLP /BSc (Opt) / Pharmacy (B Pharm) OR<br>(c) Graduate from a recognized University in Life Sciences (with Biotech / Botany / Zoology / Microbiology / Chemistry) / Nursing / Home Science / Food & Nutrition |
| Master of Science in Biotechnology (MScBT) @ | 2 Years ( 4 Semesters) | (a) Graduate from a recognized University in any area of Life Sciences (Biotechnology / Botany / Zoology / Microbiology/Genetics/ Biochemistry/Environmental Science/Sericulture/Home Science / Food and Nutrition / Food Science/Agriculture / Dairy Technology / Horticulture / Forestry / Fisheries / Apiculture) OR<br>(b) Graduate from a recognized University in Health Sciences (MBBS/ BDS/ BAMS/BHMS/ BUMS/ BVSc BSSM/ BNYS) OR<br>(c) Graduate from a recognized University in Allied Health Sciences (BMLT / BScMLT / BPT / BMIT / BScMIT / BHIA / BScHIA/BOT/ BSc (Sp & Hg) / BASLP/ BSc Opt / Pharmacy (BPharm) OR<br>(d) BE or B.Tech in Biotechnology/Industrial Biotechnology/ Food Technology |
| **PRO DEGREE** | | |
| Bachelor of Science in Network Technology (BScNT) # | 3 years (6 Semesters) | 10 + 2 or equivalent /<br>3 years Diploma from State Board Technical Education |
| Bachelor of Commerce #<br>• Financial Planning<br>• Supply Chain Management<br>• Export-Import Management | 3 years (6 Semesters) | 10 + 2 or equivalent /<br>3 years Diploma from State Board Technical Education |

# Program offered at IT & Management Learning Centres
@ Program offered at select Allied Health Learning Centres

* Graduate means a candidate who has successfully completed a 3 year Degree Program from a recognized University.

# GENERAL ENTRY SCHEME FOR SMU-DE PROGRAMS



| HOSPITALITY & TOURISM MANAGEMENT | | |
|---|---|---|
| **PROGRAM NAME** | **DURATION** | **ELIGIBILITY** |
| Diploma in Hospitality and Catering Management (DHCM)$ | 1 year (2 semesters) | 10+2 or equivalent / **Diploma |
| Advanced Diploma in Hospitality and CateringManagement (ADHCM)$ | 2 years (4 semesters) | 10+2 or equivalent / **Diploma |
| Bachelor of Science in Hospitality and Catering Management (BScHCM) $ | 3 years (6 semesters) | 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education |
| PG Diploma in Travel and Tourism Management (PGDTTM) $ | 1 year (2 semesters) | *Graduate |
| **INFORMATION TECHNOLOGY** | | |
| Diploma in Information Technology (DIT)# | 1 year (2 semesters) | 10+2 or equivalent / **Diploma |
| Bachelor of Computer Applications (BCA) # | 3 years (6 semesters) | 10+2 or equivalent / **Diploma |
| Bachelor of Science in Information Technology (BScIT) # | 3 years (6 semesters) | 10+2 or equivalent / **Diploma |
| PG Diploma in Computer Applications (PGDCA) # | 1 year (2 semesters) | * Graduate |
| PG Diploma in Information Technology (PGDIT) # | 1 year (2 semesters) | * Graduate |
| Master of Computer Applications (MCA) # | 3 years (6 semesters) | * Graduate |
| Master of Science in Computer Science (MScCS) # | 2 years (4 semesters) | * Graduate |
| Master of Science in Information Technology (MScIT) # | 2 years (4 semesters) | * Graduate |
| Master of Science in Telecom Technology (MScTT) # | 2 years (4 semesters) | * Graduate |

# Program offered at IT & Management Learning Centres
$ Program offered at Hotel Management Learning Centres

* Graduate means a candidate who has successfully completed a 3 year Degree Program from a recognized University.

** Diploma means a candidate who has successfully completed a 3 year Diploma from a State Board of Technical Education.

# GENERAL ENTRY SCHEME FOR SMU-DE PROGRAMS

| MANAGEMENT | | |
|---|---|---|
| **PROGRAM NAME** | **DURATION** | **ELIGIBILITY** |
| Bachelor of Business Administration (BBA)# | 3 years (6 semesters) | 10+2 or equivalent / ** Diploma |
| Bachelor of Business Administration in Retail Operations (BBARO) # | 3 years (6 semesters) | 10+2 or equivalent / ** Diploma |
| Bachelor of Commerce in Information System (BComIS) # | 3 years (6 semesters) | 10+2 or equivalent / ** Diploma |
| PG Diploma in Business Administration (PGDBA) # | 1 year (2 semesters) | *Graduate |
| PG Diploma in Specialization Areas of MBA # | 1 year (2 semesters) | *An MBA Degree from a recognized University or an equivalent of a two year Postgraduate Diploma in Business Management from an AICTE approved institution. Students who have completed the SMU MBA degree in the past are also eligible to pursue this program, should they wish to acquire a post graduate diploma qualification in an added area of specialization. |
| Master of Business Administration (MBA)# | 2 years (4 semesters) | *Graduate |
| **VOCATIONAL SCIENCE** | | |
| Diploma in Fashion Design and Illustration (DFDI)£ | 1year (2 semesters) | 10 + 2 or equivalent |
| Bachelor of Arts in Journalism and Mass Communication (BAJM)# | 3 years (6 semesters) | 10+2 or equivalent / ** Diploma |
| Bachelor of Science in Apparel and Fashion Design (BScAFD)£ | 3 years (6 semesters) | 10+2 or equivalent / ** Diploma |
| Master of Arts in Journalism and Mass Communication (MAJM) # | 2 years (4 semesters) | *Graduate |

# Program offered at IT & Management Learning Centres
£ Program offered at Fashion Design Learning Centres

**General conditions for admission**

*Graduate means a candidate who has successfully completed a 3 year Degree Program from a recognized University.
**Diploma means a candidate who has successfully completed a 3 year Diploma from a State Board of Technical Education.
Re-entry: Re-entry denotes continuation of study by erstwhile SMU students with requisite qualification, wherein the marks secured in the earlier SMU Examinations will be carried over.
Lateral Entry: Lateral Entry is permitted, subject to fulfillment of the eligibility conditions as prescribed.
• Visit www.smude.edu.in to know the details of the programs offered at various Learning Centres.

# IMPORTANT NOTE



1. The University authorized Learning Centres are permitted to provide counseling services to students admitted by the University into its Diploma, Bachelors, Postgraduate Diploma and Masters Degree programs. Please visit our website for programs permitted for counseling at specific Learning Centres.

2. The basic eligibility for Admission to PG programs is Graduation. Graduate means a candidate who has successfully completed a 3 year University Degree Program. Students having 2 years degree have to do a bridge course.

   Some of the programs are designed for multiple entry and exit.

   **Lateral entry Scheme:** Lateral entry means a candidate having basic qualification and previous qualification in the relevant field to enter a higher semester. However such students will be required to appear and qualify in the previous semester / relevant papers.

   **Exit Options:** Candidates may exit the program at any stage and will get the corresponding Diploma / PG Diploma / Advanced Diploma based on the number of semesters / examinations completed at the time of exit. The **Re-entry schemes** indicated are applicable only to the students of SMU-DDE.

3. Foreign Students: All foreign students seeking admission to the Distance Learning Programs of SMU must join a regular course of a recognized University in India. Alternatively, they should either be working in India or should be dependents of a person working in India. The program under SMU Distance Education (DE), can be undertaken simultaneously with the regular course mentioned above. No eligibility certificate will be issued to a student who comes to India only to join SMU-DE programs. Foreign nationals seeking admission in India are required to submit the additional application form. The form is available on the website www.smude.edu.in

4. All the support documents enclosed along with the application form have to be attested by Gazetted Officers or Notary Public or Principal of College/ Polytechnic under the University System/Directorate of Technical Education or Head of Institution from which the student passed the eligibility criteria and additionally to be certified by the Learning Centre Head, failing which the application will be rejected. The centre head or the designated person has to verify all the support documents by putting his signature and seal of the LC.

5. Without a valid Residential Permit (RP), international students in India will not be allowed to appear for examinations; RP should be submitted **within 10 days** of the last date of admission failing which Provisional admission will be cancelled.

6. Mid session Learning Centre transfers are not permitted.

7. Transfer from one LC to another for foreign nationals is not permitted.

8. There is no provision for doing dual programs of SMU-DE at the same time. A candidate is permitted to pursue only one program of SMU-DE at a time.

9. The student of final semester of Degree/ Diploma program will have to pay the requisite fee as prescribed by the University at the time of re-registration for the final semester for automatic issue of Degree / Diploma certificate.

10. University reserves the right to add / delete / change the syllabi, program structure, rules and regulations without any prior notice, as and when required, as per changes in environment. Students are advised to visit the University website www.smude.edu.in where all circulars and important information will be posted from time to time. Promulgation of any such information in the website in the form of circulars / notices is considered to be adequate.

11. Payment of fee:

(A) All payments shall be made by the students only in the form of DD drawn in favour of "Sikkim Manipal University, DE" payable at Manipal / Udupi and student should endorse the name, application number and centre code on the reverse of the DD. The students are advised to retain the counterfoil and photocopy of the DD with them for their reference.

(B) Payment of fees can also be made through SMU-DDE SBI Challan from all Core Banking branches of State Bank of India (SBI). University will not take any responsibility if amount is deposited at branches other than Core banking of SBI. Please use only one challan per student.

(C) Payment of fees can also be made through any credit/debit card of MasterCard / VISA Card at select Learning Centres.

(D) Aspiring students filling up Online Admission form can make payment through Payment Gateway option.

Note: Payments made other than in the above forms will be at own risk. The fees once paid cannot be refunded for admitted students. The refunds for rejected applications will be made after deducting Rs.500/- as processing fee.

# Notes

# PRO DEGREE JOB-READY GRADUATION PROGRAMS

"SMU-DE helped me to be a job ready professional".


BCom - Financial Planning..... 38

BCom - Supply Chain Management..... 39

BCom - Export-Import Management..... 40

BScNT - Bachelor of Science in Network Technology..... 44

# WHY BE A JOB-READY GRADUATE?

The Confederation of Indian Industry (CII) and the Boston Consulting Group (BCG) have estimated that India would face a 'talent gap' – the lack of right skills for the job required – over the next 5 years. The report titled, India's Demographic Dilemma' cites the main reason for the talent gap is that education institutions do not impart employable skills.

Every year the Indian education system produces about 500,000 technical graduates, 75% of which, according to NASSCOM estimates, are not easily employable and 23 lakh graduates, of which 90%, are considered unemployable.

Most college graduates remain unemployable because of a lack of job oriented training.

Industry demands that graduates are skilled at the time of employment.

The skills that can get a graduate employed include Domain related skills, multi-functional skills i.e. ability to adapt to changing company dynamics and communication skills.

# PRODEGREE - BRIDGING THE TALENT GAP BY GIVING YOU JOB READY GRADUATION

As one of India's leading Distance Education provider, Sikkim Manipal University is in a unique position to address India's talent gap through the ProDegree programs, a set of job-ready Graduate courses that give you KNOWLEDGE & SKILLS. As a student of Program you can look forward to acquiring trade-based skills and sector-specific/domain knowledge that will help you score an advantage over a regular graduate degree.

ProDegree gives you INCREMENTAL EMPLOYABILITY

Incremental employability is year on year employability that comes with the ProDegree program. Under the ProDegree program, you earn a certificate or Diploma at the completion of each year along with the BSc. The Industry Skill partner of the University will continuously assess the student for job-readiness.

The Certificate will make you employable at the end of first year itself. The Diploma will help you progress to the next level job and the degree at the end of 3rd year will help you progress in your career.

| S. No. | Items | Specifications |
|---|---|---|
| 1 | Content | Contemporary content custom-designed by Industry Skill Partner |
| 2 | Web-based ILT | Subject Matter Experts to deliver Webinars |
| 3 | Online Mentoring | Industry Experts to provide career counseling through online chat |
| 4 | Seminar Classes | To be delivered by Guest Faculty at Select Locations |
| 5 | Email Support | Specific course related queries would be addressed |
| 6 | Placement Assistance* | On successful completion of the Degree, students will be provided Placement Assistance |

*Conditions apply

# BACHELOR OF COMMERCE (B.COM)

B.Com traditionally has been a pathway for becoming an accounting professional. A student aspires for being a Chartered Accountant, Cost Accountant but the success rate in such professional examinations is only around 2-4%. Most of the commerce graduates would start off as an account executive, cashier or an office assistant. Today, with the globalization and the boom in technology, enterprises are on the lookout for tech-savvy and job-ready candidates who would multi-task in various functions. They are expected to have the knowledge of the business and operations of the industry.

B.Com from SMU-DE is a skill based degree program which will offer specialization in different sector specific skills. The core subjects provide conceptual understanding and knowledge of Commerce stream wherein a set of electives would put the student on a particular skill track.

The exit certification would be awarded by the Skill Partner.

On completion of 1 year: Certificate

On completion of 2nd year: Diploma

On completion of 3rd year: Advanced Diploma

**Skill based Electives:**

There are three skill tracks namely `Financial Planning', `Supply Chain Management' and `Export Import Management'. The student may choose any one of the tracks.

**Program Objectives:**

- To equip students with an integrated set of skills that will allow them to develop their professional careers.
- To equip students with the theoretical and practical knowledge that is necessary to enable him /her to absorb the knowledge embedded in the courses.
- The programs also prepare students to embrace future developments in the field and have a demonstrated professional relevance.

**Financial Sector**:

Post liberalization and financial reforms in 1990 and the opening up of the finance sector have made a large number of big finance companies from across the world have enter India with a wide variety of products. This has triggered a tremendous demand for professionals who have a sound knowledge of the industry and products to service the customer better. Financial Planners offer expert opinions on issues like retirement planning, estate planning, financial management of small businesses, trusts, tax, stock broking and investments and debt and risk management. The major employers of Finance planners are Banks, Brokerage Firms, Wealth Management companies, Fund Houses. Students can also start on their own or work as consultants or insurance advisors for firms.

SMU has tied up with IndiaSkills as the skill partner to develop content, ongoing delivery support, industry interface and placement assistance.

**Supply Chain Management:**

With India emerging as a major global destination for manufacturing, retailing and allied services, Supply Chain Management (SCM) gains importance. Companies need to become operationally efficient through accurate demand forecasting, streamlined order management and production planning, global sourcing, tight inventory control, and on-time delivery to the customer. The industry hence needs a new breed of specialized SCM professionals who understand the various intra and inter-linkages in the organization's supply chain and adapt to the changing market needs.

The government is setting up 110 logistics parks over 3500 acres by 2012. The Industry is expected to grow annually by 15% in revenue terms over next 5 years. According to CII-Technopak survey, 30 lacs operartions professionals are required by 2012.

Today SCM professionals are sought after across various sectors:

- **Merchandising firms :** Wholesalers, Retailers, Distributors, Stockists.
- **Manufacturing Industries:** Industrial and consumer products.
- **Transportation Industries:** Freight and Passenger Handling.
- **Logistics Firms:** Warehousing, Clearing & Forwarding agents.

SMU has tied up with IndiaSkills as the skill partner to develop content, ongoing delivery support, industry interface and placement assistance.

**Export Import Management:**

With the rapid growth in international trade in various countries, several highly rewarding job opportunities have opened up for individuals who are trained in export import management.

Some of the sectors that offer ample scope in export management include Trading Houses, Export Department of Companies, Development Authorities & Commodity Boards, Marine Insurance Companies, Export Processing Zones, International Shipping companies and Export Oriented Units among other organizations.

SMU has tied up with FTDC as the skill partner to develop content, ongoing delivery support, industry interface and placement assistance.

# B.COM – FINANCIAL PLANNING

| First Semester | | | |
|---|---|---|---|
| Sub. Code | Core/ Elective | Subject Title | Credits |
| BFP101 | Core | Functional English | 4 |
| BFP102 | Core | Fundamentals of Accountancy | 4 |
| BFP103 | Core | Economic Theory | 4 |
| BFP104 | Elective | Workplace Skills - Entry | 4 |
| | | Total Cumulative Credits | 16 |
| **Second Semester** | | | |
| BFP201 | Core | Foundation in Humanities and Social Studies | 4 |
| BFP202 | Core | Business Organization | 4 |
| BFP203 | Core | Business Math and Statistics | 4 |
| BFP204 | Elective | Computer Aided accounting | 4 |
| | | Total Cumulative Credits | 32 |
| **Third Semester** | | | |
| BFP301 | Core | General English | 4 |
| BFP302 | Core | Business Law | 4 |
| BFP303 | Core | Money and Banking | 4 |
| BFP304 | Elective | Financial Planning – I | 4 |
| | | Total Cumulative Credits | 48 |
| **Fourth Semester** | | | |
| BFP401 | Core | Foundation in Science and Technology | 4 |
| BFP402 | Core | Advanced Accountancy | 4 |
| BFP403 | Core | Economic Environment in India | 4 |
| BFP404 | Elective | Financial Planning – II | 4 |
| | | Total Cumulative Credits | 64 |
| **Fifth Semester** | | | |
| BFP501 | Core | Investment Options & Mutual Funds | 4 |
| BFP502 | Core | Cost Accounting | 4 |
| BFP503 | Core | Financial Markets | 4 |
| BFP504 | Elective | Advanced Financial Planning – I | 4 |
| | | Total Cumulative Credits | 80 |
| **Sixth Semester** | | | |
| BFP601 | Core | Principles and Practice of Auditing | 4 |
| BFP602 | Core | Management Accounting | 4 |
| BFP603 | Core | Corporate Finance | 4 |
| BFP604 | Elective | Advanced Financial Planning – II | 4 |
| | | Total Cumulative Credits | 96 |

Certifications from Skill Partner

On completion of 1st year: **Certificate in Computer Aided Accounting**

On completion of 2nd year: **Diploma in Financial Advisory & Marketing Services**

On completion of 3rd year: **Advanced Diploma in Financial Planning**

**Eligibility:** 10+2 or equivalent / 3 years Diploma from State Board Technical Education

**Semester Fee :** Rs. 8,000/- per semester (inclusive of Exam Fee Rs. 800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration :** 3 year (6 semesters)

**Maximum duration:** 6 years

**Counseling and Hands-on Experience:** 160 hours / semester

# B.COM – SUPPLY CHAIN MANAGEMENT



| First Semester | | | |
|---|---|---|---|
| Sub. Code | Core/ Elective | Subject Title | Credits |
| BSC101 | Core | Functional English | 4 |
| BSC102 | Core | Fundamentals of Accountancy | 4 |
| BSC103 | Core | Economic Theory | 4 |
| BSC104 | Elective | Workplace Skills - Entry | 4 |
| | | Total Cumulative Credits | 16 |
| **Second Semester** | | | |
| BSC201 | Core | Foundation in Humanities and Social Studies | 4 |
| BSC202 | Core | Business Organization | 4 |
| BSC203 | Core | Business Math and Statistics | 4 |
| BSC204 | Elective | SCM Delivery Operations | 4 |
| | | Total Cumulative Credits | 32 |
| **Third Semester** | | | |
| BSC301 | Core | General English | 4 |
| BSC302 | Core | Business Law | 4 |
| BSC303 | Core | Money and Banking | 4 |
| BSC304 | Elective | SCM-Sourcing Management | 4 |
| | | Total Cumulative Credits | 48 |
| **Fourth Semester** | | | |
| BSC401 | Core | Foundation in Science and Technology | 4 |
| BSC402 | Core | Advanced Accountancy | 4 |
| BSC403 | Core | Economic Environment in India | 4 |
| BSC404 | Elective | SCM-Logistics & Warehousing Management | 4 |
| | | Total Cumulative Credits | 64 |
| **Fifth Semester** | | | |
| BSC501 | Core | Investment Options & Mutual Funds | 4 |
| BSC502 | Core | Cost Accounting | 4 |
| BSC503 | Core | Financial Markets | 4 |
| BSC504 | Elective | SCM-Forecasting & Demand Planning | 4 |
| | | Total Cumulative Credits | 80 |

| Sixth Semester | | | |
|---|---|---|---|
| BSC601 | Core | Principles and Practice of Auditing | 4 |
| BSC602 | Core | Management Accounting | 4 |
| BSC603 | Core | Corporate Finance | 4 |
| BSC604 | Elective | Advanced Supply Chain Management | 4 |
| | | Total Cumulative Credits | 96 |

Certifications from Skill Partner

On completion of 1st year: **Certificate in Logistics & Warehousing Operations**

On completion of 2nd year: **Diploma in Logistics, Warehousing & Sourcing Management**

On completion of 3rd year: **Advanced Diploma in Supply Chain Management**

**Eligibility:** 10+2 or equivalent / 3 years Diploma from State Board Technical Education

**Semester Fee :** Rs. 8,000/- per semester (inclusive of Exam Fee Rs. 800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration :** 3 year (6 semesters)

**Maximum duration:** 6 years

**Counseling and Hands-on Experience:** 160 hours / semester

# B.COM – EXPORT-IMPORT MANAGEMENT

| First Semester | | | |
|---|---|---|---|
| Sub. Code | Core/ Elective | Subject Title | Credits |
| BEI101 | Core | Functional English | 4 |
| BEI102 | Core | Fundamentals of Accountancy | 4 |
| BEI103 | Core | Economic Theory | 4 |
| BEI104 | Elective | Workplace Skills - Entry | 4 |
| | | Total Cumulative Credits | 16 |
| **Second Semester** | | | |
| BEI201 | Core | Foundation in Humanities and Social Studies | 4 |
| BEI202 | Core | Business Organization | 4 |
| BEI203 | Core | Business Math and Statistics | 4 |
| BEI204 | Elective | Foreign Trade of India | 2 |
| BEI205 | Elective | Export Marketing | 2 |
| | | Total Cumulative Credits | 32 |
| **Third Semester** | | | |
| BEI301 | Core | General English | 4 |
| BEI302 | Core | Business Law | 4 |
| BEI303 | Core | Money and Banking | 4 |
| BEI304 | Elective | Export-Import Procedure and Documentation | 4 |
| | | Total Cumulative Credits | 48 |
| **Fourth Semester** | | | |
| BEI401 | Core | Foundation in Science and Technology | 4 |
| BEI402 | Core | Advanced Accountancy | 4 |
| BEI403 | Core | Economic Environment in India | 4 |
| BEI404 | Elective | Quality Management in International Trade | 4 |
| | | Total Cumulative Credits | 64 |
| **Fifth Semester** | | | |
| BEI501 | Core | Investment Options & Mutual Funds | 4 |
| BEI502 | Core | Cost Accounting | 4 |
| BEI503 | Core | Financial Markets | 4 |
| BEI504 | Elective | Import Management | 4 |
| | | Total Cumulative Credits | 80 |

| Sixth Semester | | | |
|---|---|---|---|
| BEI601 | Core | Principles and Practice of Auditing | 4 |
| BEI602 | Core | Management Accounting | 4 |
| BEI603 | Core | Corporate Finance | 4 |
| BEI604 | Elective | Export-Import Finance | 4 |
| | | Total Cumulative Credits | 96 |

Certifications from Skill Partner

On completion of 1 year: **Certificate in Export Marketing**

On completion of 2nd year: **Diploma in Export Import Procedures & Documentation**

On completion of 3rd year: **Advanced Diploma in Export Import Management**

**Eligibility:** 10+2 or equivalent / 3 years Diploma from State Board Technical Education

**Semester Fee :** Rs. 8,000/- per semester (inclusive of Exam Fee Rs. 800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration :** 3 year (6 semesters)

**Maximum duration:** 6 years

**Counseling and Hands-on Experience:** 160 hours / semester

FTDC was founded in 1991, as a pioneering institute in the area of foreign trade by Dr. K.L. Bhatia, an eminent economist from Delhi School of Economics and a core group of economists, academicians and corporate thinkers. FTDC has grown manifold over the last decade and a half with more than 25 eminent faculty members and training over 800 students every year. The institute has conducted over 625 seminars and training programs both in India and abroad in international business as well as passed the proud milestone of 21,000 students in May 2010.

FTDC's main activities include educational training programs in Export-Import Management, Merchandising, Export Marketing, and Export-Import procedures and documentation and Export Finance through a series of structured practical short and long term job oriented and entrepreneurial development programs.

**FTDC** Collaborations and International Recognitions:

FTDC has always believed in building its core competence through key partnerships and a collaborative education system. As a result, today, the institute enjoys an unprecedented pre-eminent status as an industry oriented international trade promotion body both globally as well as in India.

International Trade Centre (ITC) UNCTAD/WTO Geneva, Switzerland has recognized FTDC as an Export Promotion body in India by including it in the "World Directory of Trade Promotion Organizations and other foreign trade bodies". This inclusion provides inflow of latest information on foreign trade from different Chambers of Commerce and Industry in various parts of the world, the same being made available to our students. FTDC students have also been selected by ITC for internship at various departments at Geneva (Switzerland), thereby immensely benefitting in terms of higher training in international business.

FTDC

FOREIGN TRADE
DEVELOPMENT CENTRE

FTDC regularly plans and manages a number of seminars, workshops and project studies on international trade, export-import documentation & procedures, export finance, product innovation, innovative marketing, women entrepreneurship with industry bodies like FICCI (FLO), CACCI, etc. in India and abroad.

## ABOUT INDIASKILLS

IndiaSkills brings the capabilities of City & Guilds, the world leader in work skills development and certification to India. City & Guilds has a 130 year history and presence across 81 countries in 8500+ skills development centers, offering over 600+ qualifications that are recognized across 30 Industry sectors. Every year over 18 lakh learners are certified by City & Guilds for work relevant skills that offer them a brighter future.

IndiaSkills is currently engaged with over 20 leading corporates to offer industry endorsed qualifications in Retail, Hospitality, Financial Services, Sales, Supply Chain, Hair & Beauty and Security sectors in India. Built around specific job roles in each industry and at levels matched to skill needs to entry, supervisory and managerial positions, the courses offer learners the opportunity to take up specific modules that help them gain employment and build a career in vocations of their choice. The endorsing industries also offer IndiaSkills mandates to provide skilled manpower to them and learners thus get the benefit of direct linkages to employment opportunities.

IndiaSkills is rolling out a network of 100 dedicated vocational learning centers across India and is providing training and employment to over 10,000 learners in its first year of operation in India. The company is engaged in offering high quality work centric programs to learners across various other institutions such as schools, colleges and work places.

IndiaSkills™

A MANIPAL EDUCATION - CITY & GUILDS INITIATIVE

Networking Skills requirements continue to grow globally as outsourcing of IT continues. Cloud computing, VoIP and Software as a Service (SaaS) have significantly increased the complexity and requirements placed on networks.

As the world moves towards cloud computing and ubiquitous secure borderless networks, network engineers / network administrators who understand networking and security administrators are in great demand.

But not all jobs created in the networking space / sector are easily accessible. In a survey conducted by Forrester Consulting on behalf of Cisco, 49% of Network Managers interviewed said that Professional Certifications were required to qualify for their job.

**B.Sc in Network Technology**

B.Sc in Network Technology is a 3 year degree program in IT Networking. The program equips the learner with the technical skills required of networking engineers in the field and provides vital exposure to real-life case scenarios and industry environment.

The B.Sc (NT) program has Datacraft, a leading IT solutions and services provider that has undertaken large scale networking projects across APAC region as the Industry Skills Partner.

**Program Objective:**

To provide in-depth conceptual understanding and knowledge of the best technology in Networking (Wired/Wireless), Security & Voice Solutions.
To train students on how to design, build, troubleshoot and secure triple play bordersless computer networks.

**Salient Features**

1. Customised Content: Designed to cover key topics across in-demand skills required by industry viz. Networking, (Wired/Wireless), Security & Voice technologies.
2. Centralized Network Lab: All students would be provided access to a dedicated cluster of router & switches to perform lab assignments through internet.
3. Web Based Training: Practical guidance sessions by Industry experts delivered on a web based platform. Students can access the recorded sessions for later review.
4. Seminars: Live demonstration by field experienced engineers.
5. Career Counseling: Access to Industry Experts through web Portal and Live Chat Sessions.
6. Project work: Built into program as part of VI Semester.
7. Industry Certifications: Prepares student for industry recognized certifications.

**Certification**

Degree: A degree in B.Sc (Network Technology) would be awarded by SMU-DE at the end of 3 years.

Skill Certification:

On completion of 1st year: Datacraft Certified Network Technician

On completion of 2nd year: Datacraft Certified Network Associate

On completion of 3rd year: Datacraft Certified Network Professional

# BACHELOR OF SCIENCE IN NETWORK TECHNOLOGY B.Sc (NT)

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| BNT101 | Fundamentals of IT | 4 |
| BNT102 | Fundamentals of Communication Skills | 2 |
| BNT103 | Digital Systems | 4 |
| BNT104 | Computer Networks | 4 |
| BNT105 | Networking Tools – Practical | 4 |
| | Total Cumulative Credits | 18 |
| **Second Semester** | | |
| BNT201 | Operating System | 4 |
| BNT202 | Understanding PC & Troubleshooting | 4 |
| BNT203 | Internetworking with TCP/IP | 4 |
| BNT204 | LAN switching – Practical | 4 |
| BNT205 | Internetworking – Practical | 4 |
| | Total Cumulative Credits | 38 |
| **Third Semester** | | |
| BNT301 | Network Routing | 4 |
| BNT302 | Mathematics for IT | 4 |
| BNT303 | Principles of Multimedia | 4 |
| BNT304 | Network Routing – Practical | 4 |
| BNT305 | Enterprise Networking – Practical | 4 |
| | Total Cumulative Credits | 58 |
| **Fourth Semester** | | |
| BNT401 | Multimedia Networking | 4 |
| BNT402 | E-Commerce | 4 |
| BNT403 | Web Technologies | 4 |
| BNT404 | Enterprise Campus Networking - Practical | 4 |
| BNT405 | Network Tuning/Multimedia Networking – Practical | 4 |
| | Total Cumulative Credits | 78 |
| **Fifth Semester** | | |
| BNT501 | Wireless and Mobile Communication | 4 |
| BNT502 | Network Data Storage | 4 |
| BNT503 | Network Management & Security | 4 |
| BNT504 | Network Management Tools – Practical | 4 |
| BNT505 | Wireless Networking – Practical | 4 |
| | Total Cumulative Credits | 98 |

| Sixth Semester | | |
|---|---|---|
| BNT601 | IT Management | 4 |
| BNT602 | Distributed Systems | 4 |
| BNT603 | Network Troubleshooting – Practical | 4 |
| BNT604 | Project: Designing a Campus Network | 8 |
| | Total Cumulative Credits | 118 |

**Eligibility:** 10+2 or equivalent / 3 years Diploma from State Board Technical Education

**Semester Fee :** Rs. 15,000/- per semester (inclusive of Exam Fee Rs. 800/- & Alumni Fee Rs. 100/-) or as revised from time to time.

**Minimum duration :** 3 years (6 semesters)

**Maximum duration:** 6 years

**Counseling and Hands-on Experience:** 200 hours / semester

About Datacraft

Datacraft

**Datacraft**

Datacraft is a wholly owned subsidiary of Dimension Data PLC (LSE:DDT), a US$4 billion leading global IT solutions and services provider. Datacraft operates in 55 offices across 13 Asia Pacific countries and helps clients plan, build, support, manage, improve and innovate their IT infrastructures. Datacraft combines an expertise in networking, security, data centre, storage, Microsoft solutions and contact centre technologies, with advanced skills in consulting, integration, training and managed services to create IT solutions for businesses. As Asia's pioneer in systems and network integration, Datacraft has designed, implemented and managed network infrastructure for many global corporations and leading service providers, as well as the equivalent of the Fortune 200 companies in every country throughout Asia Pacific.

**Top Credentials**

- Cisco's Largest Learning Partner in APAC
- Microsoft Gold Partner across APAC

**Clientele**

Datacraft Training clientele include Infosys, Accenture, Wipro, Tata Communications Ltd., Nokia, Siemens networks, Airtel, Cisco, INTEL, Motorola, BHEL, GAIL, ONGC, IOCL and HCL.

# Notes

# ALLIED HEALTH SCIENCE



"SMU-DE helped me gain confidence to make a breakthrough in clinical research."

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# SCOPE

## Career opportunities

### MSc (CRRA)

- Clinical Coordinator
- Clinical Data Manager
- Documentation Associate
- Medical Affairs Manager
- Medical Writer

### MSc (BI)

- Sequence Analysis
- Pharmacogenomics
- Clinical Pharmacologist
- Bioinformatics Software Development
- Clinical Data Manager

### BSc (MIT)

- Radiographer
- Imaging Technologist

### BSc (MLT)

- Medical and Clinical Laboratory Technologists
- Medical and Clinical Laboratory Technicians
- Clinical Laboratory Workers

### BSc (HIA)

- Health Information Professional
- Medical Record Professional

## Companies where our students work

### MSc (CRRA)

- Glenmark Pharmaceuticals
- Holy Cross Hospital
- Sun Pharmaceutical Industries Ltd.
- Sandoz Pvt. Ltd.
- Reliance Life Science Pvt. Ltd.

### BSc (MIT)

- All India Institute of Medical Sciences
- Apollo Health City
- Christian Medical College & Hospital
- Manipal College of Dental Science, Mangalore
- D.Y.Patil Medical College and Hospital

### BSc (MLT)

- Christian Medical College
- Institute of Transfusion and Medical Research
- Manipal Hospital, Salem
- Med Plus Pathlabs
- Gokula Metropolis Clinical Lab

### BSc (HIA)

- A S Raja Voluntary Blood Bank
- Pt Madan Mohan Malviya Nagar Hospital
- TTK Health Care Services Pvt. Ltd.
- Wadia Hospital, Pune

# BACHELOR OF SCIENCE IN APPLIED BIOTECHNOLOGY B.Sc (BT)*

**(REVISED SPRING 2007)**

**http://www.smude.edu.in/BScBT**

Program Structure

| Sub. Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| BO0034 | Chemistry (Organic and Physical) | 4 |
| BO0035 | Biochemistry-I | 4 |
| BO0036 | Biology of plants | 2 |
| BO0037 | Biology of Invertebrates | 2 |
| BO0038 | Biology of Chordates | 2 |
| BO0039 | Communication Skills in English | 2 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| BO0040 | Basics of IT and Windows based applications | 4 |
| BO0041 | Biochemistry-II | 4 |
| BO0042 | Cell Biology | 4 |
| BO0043 | Practical - I - Cell Biology & Biochemistry | 4 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| BO0044 | Introduction to Biotechnology and Bioinformatics | 2 |
| BO0045 | Microbiology | 4 |
| BO0046 | Biophysics | 2 |
| BO0047 | Biostatistics and Mathematics | 4 |
| BO0048 | Genetics | 4 |
| | Total Cumulative Credits | 48 |
| **Fourth Semester** | | |
| BO0049 | Molecular Biology | 4 |
| BO0050 | Molecular Genetics | 4 |
| BO0051 | Immunology | 4 |
| BO0052 | Practical II - Genetics and Microbiology | 4 |
| | Total Cumulative Credits | 64 |
| **Fifth Semester** | | |
| BO0053 | Developmental Biology | 4 |
| BO0054 | Cell and Tissue Culture | 4 |
| BO0055 | Plant and Animal Biotechnology | 4 |
| BO0056 | Environmental Biotechnology | 4 |
| | Total Cumulative Credits | 80 |
| **Sixth Semester** | | |
| BO0057 | Medical Biotechnology | 4 |
| BO0058 | Industrial Biotechnology | 4 |
| BO0059 | Bioethics and IPR | 4 |
| BO0060 | Practical - III Immunology and Molecular Biology | 4 |
| | Total Cumulative Credits | 96 |

**Eligibility:**

▶10+2 or equivalent with Biology and Chemistry

**OR**

▶ 10+2 or equivalent in Science (without Biology). The candidates seeking admission under this criterion must also undergo a foundation program in Biology in the first Semester. The study material shall be provided by the University and the examination will be conducted at the Learning Centres as per guidelines issued by the University. An additional fee of Rs.2,200/- is applicable in addition to the course fee for candidates seeking admission under this criterion.

**Semester Fee:** Rs.12,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time. (Regarding Practical Course Fees see next page).

**Minimum duration:** 3 years (6 semesters)

**Maximum duration:** 6 years

**Counseling and Practical duration at the Learning Centre:** 160 hrs/semester

*This program is available only at select Learning Centres.

## BACHELOR OF SCIENCE IN APPLIED BIOTECHNOLOGY B.Sc (BT)*

**(REVISED SPRING 2007)**

**http://www.smude.edu.in/BScBT**

### Practical courses

The BScBT students have to undergo mandatory practical courses once in a year as a part of the course requirement. There will be three practical subjects, one each in II, IV and VI semesters. Each practical course is of four credits. The duration of the practical course will be about 7 days. On the last day of each practical course, there will be an examination. Out of the total marks, 60% is meant for continuous assessment over the duration of the practical course and 40% for the final examination to be held on the last day of the practical course. Since these practical courses require advanced equipment and imported chemicals, they will be conducted only at the University designated nodal centres. These nodal centres are provided with full fledged infrastructure and trained staff to support the students. Practical courses will be scheduled once in a year and it is compulsory for all the students to attend the practical courses. The fee for the practical course is Rs.6,000/- each year including the practical examination fees. Cost of travel and accommodation to attend the practical course at designated nodal centres are not a part of the fees and will be separately borne by the students. The Practical fee should be paid to the University along with II, IV and VI semesters re-registration fees.

| Year | Subject Code | Subject Title |
|---|---|---|
| 1 | BO0043 | Cell Biology and Biochemistry |
| 2 | BO0052 | Genetics and Microbiology |
| 3 | BO0060 | Immunology and Molecular Biology |

*This program is available only at select Learning

## BACHELOR OF SCIENCE IN HEALTH INFORMATION ADMINISTRATION B.Sc (HIA)

## DIPLOMA IN HEALTH INFORMATION ADMINISTRATION (DHIA)

**(REVISED SPRING 2007)**

**http://www.smude.edu.in/BScHIA**

**http://www.smude.edu.in/DHIA**

**Eligibility:**

- 10+2 or equivalent. **OR**
- 2 year vocational program in Medical Records / Health Information after 10th standard from a recognized Institution/Board.

**Semester Fee:** Rs.10,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 3 years (6 semesters)

**Maximum duration:** 6 years

**Counseling and Practical duration at the Learning Centre:** 250 hours / semester (Average)

Program Structure

| Sub Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| BH0031 | Communication skills in English | 4 |
| BH0032 | Basic Computer Skills-I | 4 |
| BH0033 | Basics of Anatomy | 4 |
| BH0034 | Basics of Physiology | 4 |
| BH0035 | Fundamentals of Medical Record Sciences | 3 |
| | Total Cumulative Credits | 19 |
| **Second Semester** | | |
| BH0036 | Pharmacology | 2 |
| BH0037 | General Pathology & Hamatology | 2 |
| BH0038 | Business English | 4 |
| BH0039 | Medical Record Science-I | 4 |
| BH0040 | Computer Skills-II | 4 |
| | Total Cumulative Credits | 35 |
| **Third Semester** | | |
| BH0041 | Medical Ethics and Legal Aspects | 4 |
| BH0042 | Medical Terminology-I | 4 |
| BH0043 | Medical Record Science- II (Managing OP and Medical Records Department) | 5 |
| BH0044 | Problem Solving Techniques | 3 |
| | Total Cumulative Credits | 51 |
| **Fourth Semester** | | |
| BH0045 | Medical Terminology-II | 4 |
| BH0046 | Introduction and Coding for Health Insurance | 4 |
| BH0047 | International Classification of Diseases and Coding | 4 |
| BH0048 | Directed Practice (MRD Associated Department* Postings) | 4 |
| | Total Cumulative Credits | 67 |
| **Fifth Semester** | | |
| BH0049 | Accountancy | 3 |
| BH0050 | Applied Medical Transcription | 3 |
| BH0051 | Bio- Statistics & Epidemiology | 5 |
| BH0052 | Directed Practice (MRD & Accounts Department Postings) | 5 |
| | Total Cumulative Credits | 83 |
| **Sixth Semester** | | |
| BH0053 | Computer Applications in Health | 3 |
| BH0054 | Hospital Administration and Public Relations | 5 |
| BH0055 | Project | 9 |
| | Total Cumulative Credits | 100 |

*Includes Front office, Billing section, Admission & Laboratory service.

## BACHELOR OF SCIENCE IN HEALTH INFORMATION ADMINISTRATION B.Sc (HIA)

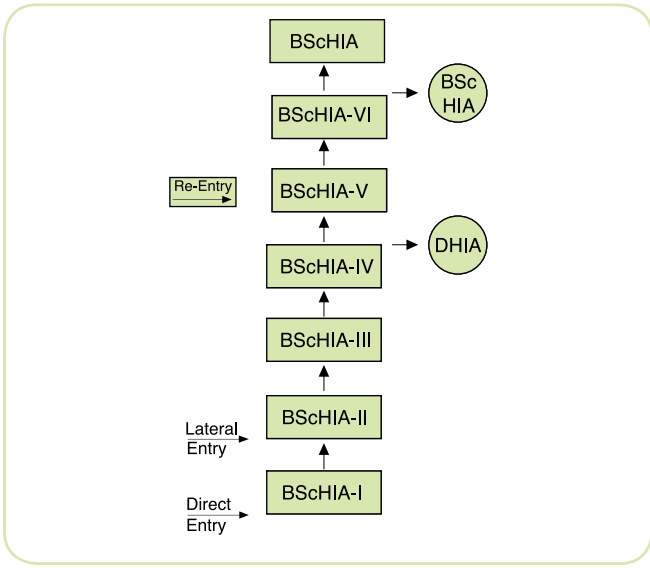
## DIPLOMA IN HEALTH INFORMATION ADMINISTRATION (DHIA)

**(REVISED SPRING 2007)**

**http://www.smude.edu.in/BScHIA**

**http://www.smude.edu.in/DHIA**

**Provision for Lateral entry, Re-entry and Exit options**




**Provision for lateral entry to second semester of BScHIA**

**Eligibility:** Two year Diploma / Certificate in Medical Record Technology from a recognized institution after 10+2.

**Additional fee:** In addition to normal fee, an additional lateral entry fee of Rs.4,100/- (inclusive of examination fees) is payable by the students opting for this scheme.

**Note:** In this lateral entry scheme, a student has to appear and pass the first semester examination. Books of the first semester will be supplied by the University and assessment will be completed at the Learning Centre.

**Provision for Re-entry into fifth semester of BScHIA:**

**Eligibility:** DHIA of SMU (Revised Spring 2007)
**Semester Fee:** Rs.10,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time
**Minimum duration:** 1 year (2 semesters)
**Maximum duration:** 2 years
**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after the completion of DHIA.

**Diploma in Health Information Administration**

After successful completion of first four semesters of BScHIA, if a student wishes to discontinue the program, such a student shall be awarded the Diploma in Health Information Administration certificate as an exit qualification.

Program Structure

| Sub.Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| BD0031 | Communication Skills in English | 4 |
| BD0032 | Basic Computer Skills-I | 4 |
| BD0033 | Basics of Anatomy | 4 |
| BD0034 | Basics of Physiology | 4 |
| BD0035 | Fundamentals of Medical Imaging Technology | 3 |
| | Total Cumulative Credits | 19 |
| **Second Semester** | | |
| BD0036 | Radiographic Anatomy | 3 |
| BD0037 | Radiological Physics | 5 |
| BD0038 | Radiographic Photography | 5 |
| BD0039 | General Principles of Hospital Practice and Care of Patients | 3 |
| | Total Cumulative Credits | 35 |
| **Third Semester** | | |
| BD0040 | Physics of Radiographic Equipment | 4 |
| BD0041 | Radiographic Techniques- Routine Procedures - Paper - I | 4 |
| BD0042 | Radiographic Techniques- Routine Procedures - Paper - II | 4 |
| BD0043 | Radiographic Techniques- Routine Procedures - Paper - III | 4 |
| | Total Cumulative Credits | 51 |
| **Fourth Semester** | | |
| BD0044 | Patient Care in Diagnostic Radiology | 3 |
| BD0045 | Radiographic Techniques-Special Procedures - Paper - I | 3 |
| BD0046 | Radiographic Techniques-Special Procedures - Paper - II | 3 |
| BD0047 | Radiographic Techniques-Special Procedures - Paper - III | 3 |
| BD0048 | Quality Assurance and Radiation Safety | 4 |
| | Total Cumulative Credits | 67 |
| **Fifth Semester** | | |
| BD0049 | Physics of New Imaging Modalities - CT & Ultrasound | 4 |
| BD0050 | Physics of New Imaging Modalities- MRI & Digital Imaging | 4 |
| BD0051 | CT Imaging and Contrast Techniques | |
| BD0052 | CT Imaging- Patient Care, Technologist's Role & Practical | 4 |
| | Total Cumulative Credits | 83 |

**Note:** The students only after successful completion of six semesters will carry out internship at the respective Learning Centre hospitals. The students who wish to do internship in any other hospital of their choice are permitted to do so by producing necessary permission letter received from the respective hospital. Semester fee is not applicable to students registering for internship. Hence, students in 6th semester are required to remit the degree certificate fee along with the re-registration fee.

| Sub.Code | Subject Title | Credits |
|---|---|---|
| **Sixth Semester** | | |
| BD0053 | Ultrasound Imaging | 3 |
| BD0054 | Interventional and Digital Radiology | 3 |
| BD0055 | MRI Imaging, Patient Care, Technologist's Role & Practical | 3 |
| BD0056 | Organizing and Managing Imaging Department | 3 |
| BD0057 | Project | 4 |
| | Total Cumulative Credits | 99 |
| **Seventh Semester (Internship)** | | |
| BD0058 | Radiographic Positioning | 6 |
| BD0059 | Radiographic Special Procedures | 5 |
| BD0060 | USG/Doppler | 5 |
| | Total Cumulative Credits | 115 |
| **Eighth Semester (Internship)** | | |
| BD0061 | CT Imaging | 6 |
| BD0062 | MRI | 6 |
| BD0063 | Front Office | 4 |
| | Total Cumulative Credits | 131 |

**Eligibility:**

- 10+2 or equivalent with Science. **OR**
- 2 year vocational program in Radiography / Radio Diagnosis after 10th standard from a recognized Institution / Board.

**Semester Fee :** Rs.10,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time

**Minimum duration :** 4 years (8 semesters) including 1 year (2 semesters) internship

**Maximum duration:** 8 years

**Counseling and Practical duration at the Learning Centre :** 250 hours / semester (Average)

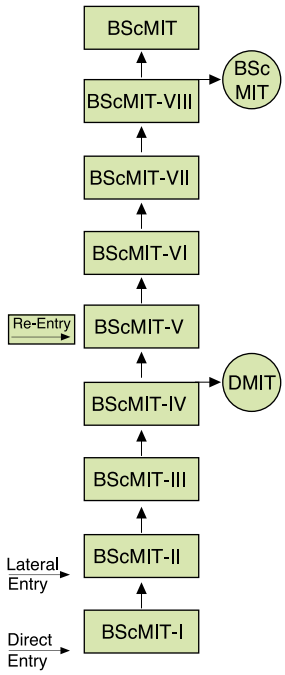
## BACHELOR OF SCIENCE IN MEDICAL IMAGING TECHNOLOGY B.Sc (MIT)

## DIPLOMA IN MEDICAL IMAGING TECHNOLOGY (DMIT)

**(REVISED SPRING 2007)**

http://www.smude.edu.in/BScMIT
http://www.smude.edu.in/DMIT

**Provision for Lateral entry, Re-entry and Exit options**




**Provision for lateral entry to second semester of BScMIT (First Level):**

**Eligibility:** One year Diploma / Certificate in Radio Diagnosis Technology from a recognized institution after 10+2 with Science. This category of students are required to do full internship of one year (VII & VIII semesters).

**Minimum duration:** 3 years and 6 months

**Maximum duration:** 7 years

**Additional fee:** In addition to normal fee, an additional lateral entry fee of Rs.4,100/- (inclusive of examination fees) is payable by the students opting for this scheme.
**Note:** In this lateral entry scheme, a student has to appear and pass the first semester examination. Books of the first semester will be supplied by the University and assessment will be completed at the Learning Centre.

**Provision for lateral entry to second semester of BScMIT (Second Level):**

**Eligibility:** Two year Diploma / Certificate in Radio Diagnosis Technology from a recognized institution after 10+2 with Science. This category of students are required to do only 6 months internship instead of one year internship.
**Minimum duration:** 3 years.
**Maximum duration:** 6 years.
**Additional fee:** In addition to normal fee, an additional lateral entry fee of Rs.4,100/- (inclusive of examination fees) is payable by the students opting for this scheme.
**Note:** In this lateral entry scheme, a student has to appear and pass the first semester examination. Books of the first semester will be supplied by the University and assessment will be completed at the Learning Centre.

**Provision for Re-entry into fifth semester of BScMIT:**

**Eligibility:** DMIT of SMU (Revised Spring 2007)
**Semester Fee:** Rs.10,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time.
**Minimum duration:** 2 year (4 semesters)
**Maximum duration:** 4 years
**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after the completion of DMIT.

**Diploma in Medical Imaging Technology**

After successful completion of first four semesters of BScMIT, if a student wishes to discontinue the program, such a student shall be awarded the Diploma in Medical Imaging Technology certificate as an exit qualification.

# BACHELOR OF SCIENCE IN MEDICAL LABORATORY TECHNOLOGY B.Sc (MLT)

# DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (DMLT)

**(REVISED SPRING 2007)**

http://www.smude.edu.in/BScMLT
http://www.smude.edu.in/DMLT

Program Structure

| First Semester | | |
|---|---|---|
| Sub.Code | Subject Title | Credits |
| BL0025 | Communication Skills in English | 4 |
| BL0026 | Basic Computer Skills-I | 4 |
| BH0027 | Basics of Anatomy | 4 |
| BH0028 | Basics of Physiology | 4 |
| BH0029 | Fundamentals of Medical Laboratory Technology | 3 |
| | Total Cumulative Credits | 19 |
| Second Semester | | |
| BL0030 | Basic Haematological Techniques | 4 |
| BL0031 | Haematological Disorders | 3 |
| BL0032 | Basics of Biochemistry | 4 |
| BL0033 | Lab Reagents, Instrumentation and Techniques | 4 |
| BL0034 | General Bacteriology-I | 2 |
| BL0035 | Systemic Bacteriology-I | 2 |
| | Total Cumulative Credits | 38 |
| Third Semester | | |
| BL0036 | Immunology, Serology and Parasitology-I | 2 |
| BL0037 | Mycology, Virology and Quality Control-I | 2 |
| BL0038 | Carbohydrates and Lipids | 4 |
| BL0039 | Proteins and Diagnostic Enzymology | 4 |
| BL0040 | Blood Transfusion Techniques-I | 2 |
| BL0041 | Blood Bank Procedures and Haemolytic Diseases of the Newborn | 2 |
| | Total Cumulative Credits | 54 |
| Fourth Semester | | |
| BL0042 | Liver and Renal Function Tests, Hormones and Tumor Markers | 4 |
| BL0043 | Electrolytes, Acid Base Balance, Factors in Haemoglobin Synthesis & Automation | 4 |
| BL0044 | Histotechnology and Cytotechnology | 4 |
| BL0045 | Examination of Body Fluids | 4 |
| | Total Cumulative Credits | 70 |
| Fifth Semester | | |
| BL0046 | Histology Routine and Special Staining | 4 |
| BL0047 | Haemostasis and Quality Assurance | 4 |
| BH0048 | General Bacteriology-II | 2 |
| BH0049 | Systemic Bacteriology-II | 2 |
| BL0050 | Immunology, Serology and Parasitology-II | 2 |
| BL0051 | Mycology, Virology and Quality Control - II | 2 |
| | Total Cumulative Credits | 86 |

| Sixth Semester | | |
|---|---|---|
| Sub.Code | Subject Title | Credits |
| BL0052 | Blood Transfusion Techniques-II | 2 |
| BL0053 | Blood Bank Procedures and Haemolytic diseases of the Newborn - II | 2 |
| BL0054 | Organization and Management of Labs | 4 |
| BL0055 | Project | 5 |
| | Total Cumulative Credits | 99 |
| Seventh Semester (Internship) | | |
| BL0056 | Microbiology | 6 |
| BL0057 | Biochemistry | 6 |
| BL0058 | Haematology | 4 |
| | Total Cumulative Credits | 115 |
| Eighth Semester (Internship) | | |
| BL0059 | Blood Banking | 4 |
| BL0060 | Pathology | 6 |
| BL0061 | Front Office | 6 |
| | Total Cumulative Credits | 131 |

**Note:** The students only after successful completion of six semesters will carry out internship at the respective Learning Centre hospitals. The students who wish to do internship in any other hospital of their choice are permitted to do so by producing necessary permission letter received from the respective hospital. Semester fee is not applicable to students registering for internship. Hence, students in 6th semester are required to remit the degree certificate fee along with the re-registration fee.

**Eligibility:**

- 10+2 or equivalent with Science **OR**
- 2 year vocational program in Medical Laboratory Technology after 10th standard from a recognized Institution/Board

**Semester Fee:** Rs.10,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time

**Minimum duration:** 4 years (8 semesters). Including 1 year (2 semesters) Internship

**Maximum duration:** 8 years

**Counseling and Practical duration at the Learning Centre :** 250 hours / semester (Average)

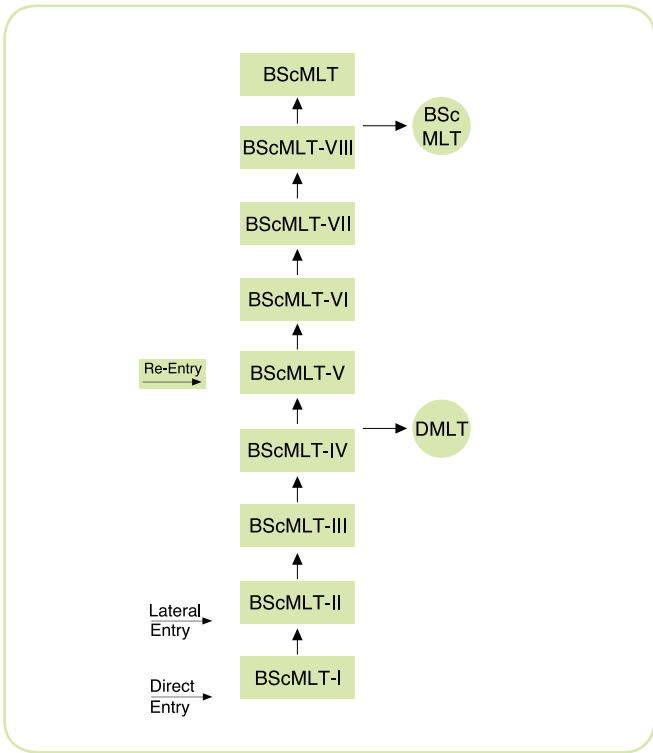
# BACHELOR OF SCIENCE IN MEDICAL LABORATORY TECHNOLOGY B.Sc (MLT)

# DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (DMLT)

**(REVISED SPRING 2007)**

http://www.smude.edu.in/BScMLT
http://www.smude.edu.in/DMLT

**Provision for Lateral entry, Re-entry and Exit options**




**Provision for lateral entry to second semester of BScMLT (First Level):**

**Eligibility:** One year Diploma / Certificate in Medical Laboratory Technology from a recognized institution after 10+2 with Science. This category of students are required to do full internship of one year (VII & VIII semesters).

**Minimum duration:** 3 years and 6 months

**Maximum duration:** 7 years

**Additional fee:** In addition to normal fee, an additional lateral entry fee of Rs.4,100/- (inclusive of examination fees) is payable by the students opting for this scheme.

**Note:** In this lateral entry scheme, a student has to appear and pass the first semester examination. Books of the first semester will be supplied by the University and assessment will be completed at the Learning Centre.

**Provision for lateral entry to second semester of BScMLT (Second Level):**

**Eligibility:** Two year Diploma / Certificate in Medical Laboratory Technology from a recognized institution after 10+2 with Science.
This category of students are required to do only 6 months internship instead of one year internship.
**Minimum duration:** 3 years
**Maximum duration:** 6 years
**Additional fee:** In addition to normal fee, an additional lateral entry fee of Rs.4,100/- (inclusive of examination fees) is payable by the students opting for this scheme.
**Note:** In this lateral entry scheme, a student has to appear and pass the first semester examination. Books of the first semester will be supplied by the University and assessment will be completed at the Learning Centre.

**Provision for Re-entry into fifth semester of BScMLT:**

**Eligibility:** DMLT of SMU (Revised Spring 2007)
**Semester Fee:** Rs.10,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time.
**Minimum duration:** 2 years (4 semesters)
**Maximum duration:** 4 years
**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after the completion of DMLT.

**Diploma in Medical Laboratory Technology**

After successful completion of first four semesters of BScMLT, if a student wishes to discontinue the program, such a student shall be awarded the Diploma in Medical Laboratory Technology certificate as an exit qualification.

**SMU-DE provides high quality learning along with industry ready learning.**

**Jincy Varghese,**
Bsc MLT, St. Thomas Hospital,
Chethipuzha, Changanacherry

# POST GRADUATE DIPLOMA IN HEALTHCARE SERVICE MANAGEMENT (PGDHSM)

**(REVISED FALL 2010)**

**http://www.smude.edu.in/PGDHSM**

Program Structure

| First Semester | | |
|---|---|---|
| Sub.Code | Subject Title | Credits |
| MB0050 | Research Methodology | 4 |
| MB0051 | Legal Aspects of Business | 4 |
| MH0051 | Health Administration | 4 |
| MH0052 | Hospital Organization, Operations and Planning | 4 |
| MH0053 | Hospital & Healthcare Information Management | 4 |
| MH0054 | Finance, Economics and Materials Management in Healthcare Services | 4 |
| MH0055 | Project* | |
| | Total Cumulative Credits | 24 |

| Second Semester | | |
|---|---|---|
| Sub Code | Subject Title | Credits |
| MB0052 | Strategic Management and Business Policy | 4 |
| MB0053 | International Business Management | 4 |
| MH0056 | Public Relations & Marketing for Healthcare Organizations | 4 |
| MH0057 | Management of Healthcare Human Resources | 4 |
| MH0058 | Legal Aspects in Healthcare Administration | 4 |
| MH0059 | Quality Management in Healthcare Services | 4 |
| MH0055 | Project* | 4 |
| | Total Cumulative Credits | 52 |

**Eligibility:**

An MBA degree from a recognized University, or an equivalent of a two-year Post Graduate Diploma in Business Management from an AICTE approved institution. Students who have completed the SMU MBA degree in the past are also eligible to pursue this program, should they wish to acquire a post graduate diploma qualification in an added area of specialization.

**Semester Fee:** Rs.12,500/- per semester, (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters)

**Maximum duration:** 2 years

**Counseling and Practical duration at the Learning Centre :** 160 hrs/semester

**Exemptions:** Students who have completed the SMU MBA degree (Revised Fall 2007 and onwards) may be exempted from taking the core subjects offered in the first and second semesters of the PG Diploma, since they would have taken these as a part of the MBA program.

*The Project will be done in the area of specialization and should be a live project on an ongoing problem faced by an organization, under a company guide. It will commence in Semester I and will be completed in Semester II. Evaluation will be conducted in semester II.

# MASTER OF SCIENCE IN BIOINFORMATICS M.Sc (BI)

# POST GRADUATE DIPLOMA IN BIOINFORMATICS (PGDBI)

**(REVISED FALL 2007)**

**http://www.smude.edu.in/MScBI**

**http://www.smude.edu.in/PGDBI**

Program Structure

| Sub.Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| BI0024 | Cell Biology & Genetics | 4 |
| BI0025 | Immunology | 2 |
| BI0026 | Biochemistry | 4 |
| BI0027 | Linux | 2 |
| BI0028 | Mathematics and Statistics | 4 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| BI0029 | Molecular Biology | 4 |
| BI0030 | Biological Databases & Sequence Analysis | 4 |
| BI0031 | Programming for Bioinformatics I (C Programming) | 4 |
| BI0032 | Programming for Bioinformatics II (Python, HTML, XML) | 2 |
| BI0033 | Project | 2 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| BI0034 | Genomics | 2 |
| BI0035 | Proteomics | 2 |
| BI0036 | Programming for Bioinformatics III (PERL) | 4 |
| BI0037 | Programming for Bioinformatics IV (JAVA Programming) | 4 |
| BI0038 | Database Management Systems | 4 |
| | Total Cumulative Credits | 48 |
| **Fourth Semester** | | |
| BI0039 | Drug Design and Discovery | 4 |
| BI0040 | Algorithms in Bioinformatics | 4 |
| BI0041 | Data Warehousing and Data Mining | 4 |
| BI0042 | Project | 4 |
| | Total Cumulative Credits | 64 |

**Eligibility:**

- Graduate from a recognized University in Life Science (Biotech / Botany / Zoology / Microbiology / Chemistry) in Science with Physics, Mathematics, Statistics / Nursing / Home Science / Food and Nutrition / Agriculture / Dairy technology / Horticulture / Forestry / Fisheries **OR**
- Graduate from a recognized University in Health Sciences (MBBS / BDS / BAMS / BHMS / BUMS / BVSc / BSSM / BNYS) **OR**
- Graduate from a recognized University in Allied Health Sciences [(BMLT / BScMLT / BPT / BMIT / BScMIT / BHIA / BScHIA / BOT/ BSc (Sp & Hg) / BASLP/ BSc (Opt) / Pharmacy (BPharm)] **OR**
- BE in Biotech/BCA/BSc IT/ BSc CS.

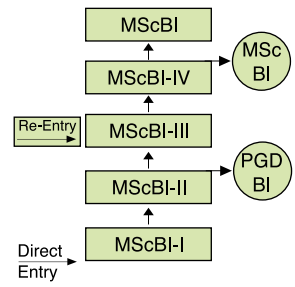
**Semester Fee:** Rs.17,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters) {for PGDBI}; 2 years (4 semesters) {for MScBI}.

**Maximum duration:** 2 years {for PGDBI}; 4 years {for MScBI}.

**Counseling and Practical duration at the Learning Centre :** 160 hrs/semester.

**Provision for Re-entry and Exit options**



## MASTER OF SCIENCE IN BIOINFORMATICS M.Sc (BI)

## POST GRADUATE DIPLOMA IN BIOINFORMATICS (PGDBI)

**(REVISED FALL 2007)**

http://www.smude.edu.in/MScBI

http://www.smude.edu.in/PGDBI

**Provision for Re-entry to third semester of MScBI:**

**Eligibility :** PGDBI of SMU (Revised Fall 2007)
**Semester Fee:** Rs.17,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.
**Minimum duration:** 1 year (2 semesters)
**Maximum duration:** 2 years
**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after the completion of PGDBI.

**PG Diploma in Bioinformatics**

After successful completion of first two semesters of MScBI, if a student wishes to discontinue, such a student will be awarded the PG Diploma in Bioinformatics as an exit qualification.

# MASTER OF BUSINESS ADMINISTRATION IN HEALTH CARE SERVICES MBA (HCS)

**(REVISED SPRING 2010)**

**http://www.smude.edu.in/MBAHCS**

Program Structure

| First Semester | | |
|---|---|---|
| Sub.Code | Subject Title | Credits |
| MB0038 | Management Process & Organizational Behavior | 4 |
| MB0039 | Business Communication | 4 |
| MB0040 | Statistics for Management | 4 |
| MB0041 | Financial and Management Accounting | 4 |
| MB0042 | Managerial Economics | 4 |
| MB0043 | Human Resource Management | 4 |
| | Total Cumulative Credits | 24 |
| Second Semester | | |
| MB0044 | Production and Operation Management | 4 |
| MB0045 | Financial Management | 4 |
| MB0046 | Marketing Management | 4 |
| MB0047 | Management Information System | 4 |
| MB0048 | Operations Research | 4 |
| MB0049 | Project Management | 4 |
| | Total Cumulative Credits | 48 |
| Third Semester | | |
| MB0050 | Research Methodology | 4 |
| MB0051 | Legal Aspects of Business | 4 |
| MH0051 | Health Administration | 4 |
| MH0052 | Hospital Organization, Operations and Planning | 4 |
| MH0053 | Hospital & Healthcare Information Management | 4 |
| MH0054 | Finance, Economics and Materials Management in Healthcare Services | 4 |
| MH0055 | Project* | |
| | Total Cumulative Credits | 72 |
| Fourth Semester | | |
| MB0052 | Strategic Management and Business Policy | 4 |
| MB0053 | International Business Management | 4 |
| MH0056 | Public Relations & Marketing for Healthcare Organizations | 4 |
| MH0057 | Management of Healthcare Human Resources | 4 |
| MH0058 | Legal Aspects in Healthcare Administration | 4 |
| MH0059 | Quality Management in Healthcare Services | 4 |
| MH0055 | Project* | 4 |
| | Total Cumulative Credits | 100 |

**Eligibility:**

3 year Graduation.

**Semester Fees:** Rs.12,500/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

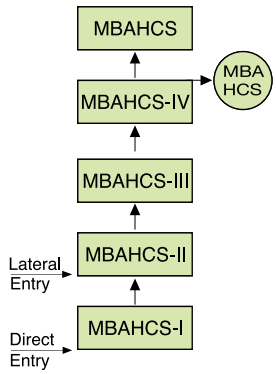
**Minimum duration:** 2 years (4 semesters)

**Maximum duration:** 4 years

**Counseling and Practical duration at the Learning Centre:** 180 hrs/semester

* The Project will be done in the area of specialization and should be a live project on an ongoing problem faced by an organization, under a company guide. It will commence in Semester 3 and will be completed in Semester 4. Evaluation will be conducted in semester 4.

**Provision for Lateral entry**




**Provision for lateral entry to second semester of MBAHCS**

**Eligibility:**

- BBA / BBM from a recognized University **OR**
- 3-year Graduation with PGDBA from AICTE recognized institution **OR**
- 3-year Graduation with 6 month Management Diploma from an institution and minimum 1 year managerial / supervisory experience in reputed organization thereafter **OR**
- 3-year Graduation and minimum 3 year managerial / supervisory experience in a reputed organization thereafter **OR**
- MBBS / BDS / B.PHARM / BHMS / BAMS / BUMS / BSSM / BVSc / 4 year graduation in Allied Health Science / Life Science graduates from a recognized University.

**Additional fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fee) is payable by students opting for this scheme.

**Note:** In the lateral entry scheme, students have to appear and pass the First Semester examination. Books of First Semester will be supplied by the University and internal assessment will be completed at the Learning Centre.

# MASTER OF SCIENCE IN BIOTECHNOLOGY (MScBT)*

**(REVISED FALL 2010)**

http://www.smude.edu.in/MScBT

Program Structure

| Sub. Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| MBT 101 | Cell Biology & Genetics | 4 |
| MBT 102 | Biochemistry & Biophysics | 4 |
| MBT 103 | Microbiology | 4 |
| MBT 104 | Biostatistics | 2 |
| MBT 105 | Computer Fundamentals | 2 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| MBT 201 | Molecular & Developmental Biology | 4 |
| MBT 202 | Bioenergetics & Intermediary Metabolism | 2 |
| MBT 203 | Immunology & Immunotechnology | 2 |
| MBT 204 | Enzymology & Enzyme technology | 2 |
| MBT 205 | Practical – I Based on subjects MBT 101 to MBT 204 | 6 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| MBT 301 | Environmental Biotechnology | 4 |
| MBT 302 | Plant Biotechnology | 2 |
| MBT 303 | Genetic Engineering | 2 |
| MBT 304 | Microbial & Bioprocess Technology | 4 |
| MBT 305 | Computational Biology | 4 |
| | Total Cumulative Credits | 48 |
| **Fourth Semester** | | |
| MBT 401 | Animal Biotechnology | 2 |
| MBT 402 | Pharmaceutical Biotechnology and/ Nanobio technology | |
| MBT 403 | IPR, Biosafety and Bioethics | 2 |
| MBT 404 | Practical - II BAsed on subjects MBT 301 to MBT 403 | 6 |
| MBT 405 | Project | 4 |
| | Total Cumulative Credits | 64 |

**Eligibility:**

- Graduate from a recognized University in any area of Life Sciences ( Biotechnology / Botany / Zoology / Microbiology / Genetics / Biochemistry/ Environmental Science / Sericulture/Home Science / Food and Nutrition / Food Science / Agriculture / Dairy Technology / Horticulture / Forestry / Fisheries / Apiculture)

**OR**

- Graduate from a recognized University in Health Sciences (MBBS/ BDS/ BAMS/BHMS/ BUMS/ BVSc/ BSSM/ BNYS)

**OR**

- Graduate from a recognized University in Allied Health Sciences (BMLT / BScMLT / BPT / BMIT / BScMIT / BHIA / BScHIA / BOT/ BSc (Sp & Hg) / BASLP/ BSc Opt / Pharmacy (B.Pharm)

**OR**

- BE or B.Tech in Biotechnology/Industrial Biotechnology/Food Technology

**Semester Fees:** Rs.14,500/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Practical Fees:** Practical Fees is Rs.8000/- (to be paid with 2nd and 4th Semester Fees only) (including the practical examination fees)

**Minimum duration:** 2 year (4 semesters)
**Maximum duration**: 4 years
**Counseling and Practical duration at Learning Centre:** 160 hours / semester.

*This program is available only at select Learning Centres.

## MASTER OF SCIENCE IN CLINICAL RESEARCH & REGULATORY AFFAIRS* M.Sc (CRRA)

## POST GRADUATE DIPLOMA IN CLINICAL RESEARCH & REGULATORY AFFAIRS* (PGDCRRA)

**(REVISED FALL 2009)**

**http://www.smude.edu.in/MScCRRA**

**http://www.smude.edu.in/PGDCRRA**

Program Structure

| First Semester | | |
|---|---|---|
| Sub.Code | Subject Title | Credits |
| MR0001 | Fundamentals of Clinical Operations | 4 |
| MR0002 | Regulatory Affairs-I | 2 |
| MR0003 | Clinical Data Management-I | 2 |
| MR0004 | Statistics for Clinical Research | 2 |
| MR0005 | Basics of Pharmacy, Drug Discovery & Development | 2 |
| | Total credits from compulsory subjects | 12 |
| | Optional Subjects | |
| MR0006 | Human Biology-I** | 2 |
| MR0007 | Human Biology-II** | 2 |
| MR0008 | Basics of Health & Nutrition** | 2 |
| | Students have to choose any two subjects (total of 4 Credits) from optional subjects | |
| | Total credits required in Semester | 16 |

** Exempted for Health Sciences / Allied Health Sciences/ Pharmacy graduates and graduates in BSc Nursing

| Second Semester | | |
|---|---|---|
| MR0009 | IPR & Data Exclusivity, Bioethics in Clinical Research | 2 |
| MR0010 | Regulatory Affairs-II | 4 |
| MR0033 | Preclinical and Clinical Studies | 2 |
| MR0012 | Clinical Data Management-II | 4 |
| | Total credits from compulsory subjects | 12 |
| | Optional Subjects | |
| MR0013 | Basics of Molecular Biology & Biotechnology# | 2 |
| MR0014 | Basics of Epidemiology | 2 |
| MR0015 | Pharmacology^ | 2 |
| MR0016 | Review and Seminar | 2 |
| | Students have to choose any two subjects (total of 4 Credits) from optional subjects | |
| | Total credits required in the semester | 16 |

# Exempted for graduates with BSc in Biotechnology / BSc Microbiology
^ Exempted for Health Science, Pharmacy, Nursing gradutes

| Third Semester | | |
|---|---|---|
| MR0034 | Pharmaceutical Analysis | 2 |
| MR0018 | Botanicals, Food and Nutraceuticals | 2 |
| MR0019 | Clinical Data Management-III | 2 |
| MR0020 | Special Regulatory Processes | 4 |
| MR0021 | Project: Protocols & Application | 2 |
| | Total credits from compulsory subjects | 12 |
| | Optional subjects | |
| MR0022 | Human Genetics# | 2 |
| MR0023 | Pharmacogenomics | 2 |
| MR0024 | Case Studies and Seminar | 2 |
| | Students have to choose any two subjects (total of 4 Credits) from optional subjects | |
| | Total credits required in semester | 16 |

# Exempted for graduates with BSc in Biotechnology / BSc Microbiology

| Fourth Semester | | |
|---|---|---|
| Sub.Code | Subject Title | Credits |
| MR0025 | Project Management & Business Development | 2 |
| MR0026 | Audit & Inspections | 2 |
| MR0027 | Pharmacovigilance & Safety Monitoring | 2 |
| MR0028 | Reporting and Medical Writing | 2 |
| MR0029 | Internship | 4 |
| | Total credits from compulsory subjects | 12 |
| | Optional Subjects | |
| MR0030 | Applied Medical Transcription@ | 2 |
| MR0031 | Pharmaceutical Biotechnology | 2 |
| MR0032 | SAS Certification$ | 2 |
| | Students have to choose any two subjects (total of 4 credits) from optional subjects | |
| | Total credits required in Semester | 16 |

* Exempted for graduates with BSc in Health Inforamtion Administration
$ 2 credits will be awarded to students who have independently undergone SAS training and have obtained Sylvan Prometri - SAS certification.

The internship can commence during Semester 3. However, evaluation will be conducted towards the end of Semester 4.

**Eligibility:**

Graduate from a recognized University in Health Sciences (MBBS / BDS / BAMS/ BHMS / BUMS / BVSc / BSSM) **OR** Graduate from a recognized University in Allied Health Sciences [BMLT / BScMLT / BPT / BMIT/ BScMIT / BHIA / BScHIA / BOT / BSc (Sp & Hg) / BASLP / BSc (Opt) / Pharmacy (BPharm)]

**OR**

Graduate from a recognized University in Life Science (BioTech / Botany / Zoology / Microbiology / Chemistry) / Nursing / Home Science / Food and Nutrition.

**Semester Fee:** Rs.25,600/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time, for 16 credits. In the case of exemption from any credits, the respective fee will be waived.

**Minimum Duration:** 1 year (2 semesters) for PGDCRRA; 2 years (4 semesters) for MSc CRRA

**Maximum Duration:** 2 years (for PGDCRRA) and 4 years (for MSc CRRA)

**Counseling and Practical duration at the Learning Centre:** 160 hours/semester

***** This program is available only at select Learning Centres. The center names and addresses are available on www.smude.edu.in

## MASTER OF SCIENCE IN CLINICAL RESEARCH & REGULATORY AFFAIRS* M.Sc (CRRA)

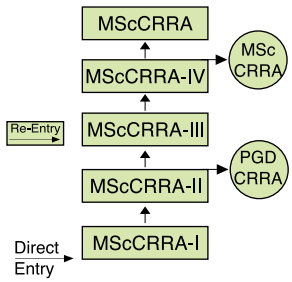
## POST GRADUATE DIPLOMA IN CLINICAL RESEARCH & REGULATORY AFFAIRS* (PGDCRRA)

**(REVISED FALL 2009)**

http://www.smude.edu.in/MScCRRA

http://www.smude.edu.in/PGDCRRA

**Provision for Direct-entry (3rd Semester), Re-entry and Exit options**




**Provision for Direct-entry into third semester of MScCRRA:**

The students who have successfully completed all the subjects of Diploma in Clinical Research and Regulatory Affairs (DCRRA) or Diploma in Clinical Research-Bioavailability and Bioequivalence (DCR-BA&BE) of Manipal University are eligible to seek admission to third semester of MScCRRA Program directly with Credit transfer facility.

In order to have more details on credit transfer, please send an email to smuhelpdesk@smudde.edu.in For credit transfer pertaining to diploma/programs from other universities, the HOD shall review and decide on a case-by-case basis.

**Provision for Re-entry to third semester of MScCCRA:**

**Eligibility :** PGDCRRA of SMU (Revised Fall 2009)
**Semester Fee:** Rs.25,600/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time, for 16 credits. In the case of exemption from any credits, the respective fee will be waived.
**Minimum duration:** 1 year (2 semesters )
**Maximum duration:** 2 years
**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after the completion of PGDCRRA.

Students are required to submit Additional Form for choosing / claiming exemption in Optional Papers

**Post Graduate Diploma in Clinical Research and Regulatory Affairs**

After successful completion of first two semesters of MSc CRRA, if a student wishes to discontinue, such a student shall be awarded the Post Graduate Diploma in Clinical Research and Regulatory Affairs as an exit qualification.

**"MSc in Clinical Research & Regulatory Affairs from Sikkim Manipal University was the best thing I could have asked for when I was establishing a new career path. The course study material is easy to understand and provides all the basic information needed to know in this field to hit the ground running. The course covers all aspects of clinical research, and prepares you for a variety of positions from research coordinator, data manager to drug safety specialist."**

**Dr Kirstan Sara John**
MSc.CRRA, Pharmacovigilance Specialist,
Quintiles Research India Pvt. Ltd.

* This program is available only at select Learning Centres. The center names and addresses are available on www.smude.edu.in

# HOSPITALITY & TOURISM MANAGEMENT

"Making it big in hospitality management became a reality with SMU-DE."

BSc(HCM)..... 67
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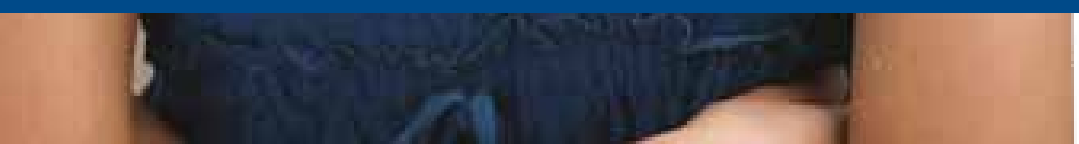


# SCOPE

## Career opportunities

### BSc (HCM)

- Management / Hotel Operation Trainee
- Guest / Customer / Public Relation Executive
- Catering Executive / Chef
- Executive in Cruise Lines and Shipping Company
- Cabin Crew / Airhostess / Steward / Purser

### PGDTTM

- Professional in Travel / Tour Operating Agency
- Officer in the Directorate and Department of Tourism
- Tour Planner / Tourist Guide
- Information and Reservation Executive in Corporate
- Tour / Retail / Event Planner

# BACHELOR OF SCIENCE IN HOSPITALITY AND CATERING MANAGEMENT B.Sc (HCM)

# ADVANCED DIPLOMA IN HOSPITALITY AND CATERING MANAGEMENT (ADHCM)

# DIPLOMA IN HOSPITALITY AND CATERING MANAGEMENT (DHCM)

**(REVISED SPRING 2007)**

**http://www.smude.edu.in/BScHCM**

**http://www.smude.edu.in/ADHCM**

**http://www.smude.edu.in/DHCM**

Program Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| HM0001 | Introduction to Hospitality | 2 |
| HM0002 | Indian Constitution | 2 |
| HM0003 | Business English | 2 |
| HM0004 | Hospitality French | 2 |
| HM0005 | Front Office Operations - I (Theory) | 2 |
| HM0006 | Front Office Operations - I (Practical) | 2 |
| HM0007 | Accommodation Operations – I (Theory) | 2 |
| HM0008 | Accommodation Operations - I (Practical) | 2 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| HM0009 | Food Production and Bakery – I (Theory) | 2 |
| HM0010 | Food Production and Bakery – I (Practical) | 2 |
| HM0011 | Food and Beverage Services – I (Theory) | 2 |
| HM0012 | Food and Beverage Services – I (Practical) | 2 |
| HM0013 | Hospitality and Hotel Accounting | 4 |
| HM0014 | Food Safety and Nutrition | 4 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| HM0015 | Front Office Operations – II (Theory) | 2 |
| HM0016 | Front Office Operations – II (Practical) | 2 |
| HM0017 | Accommodation Operations – II (Theory) | 2 |
| HM0018 | Accommodation Operations – II (Practical) | 2 |
| HM0019 | Principles of Management | 2 |
| HM0020 | Computer Applications | 2 |
| HM0021 | Hospitality & Hotel Economics | 2 |
| HM0022 | Business Statistics | 2 |
| | Total Cumulative Credits | 48 |

| Fourth Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| HM0023 | Food Production and Bakery – II (Theory) | 2 |
| HM0024 | Food Production and Bakery – II (Practical) | 2 |
| HM0025 | Food and Beverage Services – II (Theory) | 2 |
| HM0026 | Food and Beverage Services – II (Practical) | 2 |
| HM0027 | On the job training (a minimum of 360 hours) | 12 |
| | Total Cumulative Credits | 68 |
| **Fifth Semester** | | |
| HM0028 | Hospitality and Hotel Law | 2 |
| HM0029 | Human Resource Management | 2 |
| HM0030 | Hospitality Information System (Theory) | 2 |
| HM0031 | Hospitality Information System (Practical) | 2 |
| HM0032 | Environmental Studies | 2 |
| HM0033 | Facility Planning | 2 |
| HM0034 | Entrepreneurship Development | 4 |
| | Total Cumulative Credits | 84 |
| **Sixth Semester** | | |
| HM0035 | Food and Beverage Management | 4 |
| HM0036 | Sales and Marketing Management | 4 |
| HM0037 | Travel and Tourism Management | 2 |
| HM0038 | Cultural Heritage of India | 2 |
| | Total Cumulative Credits | 96 |

**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education.

**Semester Fee:** Rs.17,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum Duration:** 3 years (6 semesters)

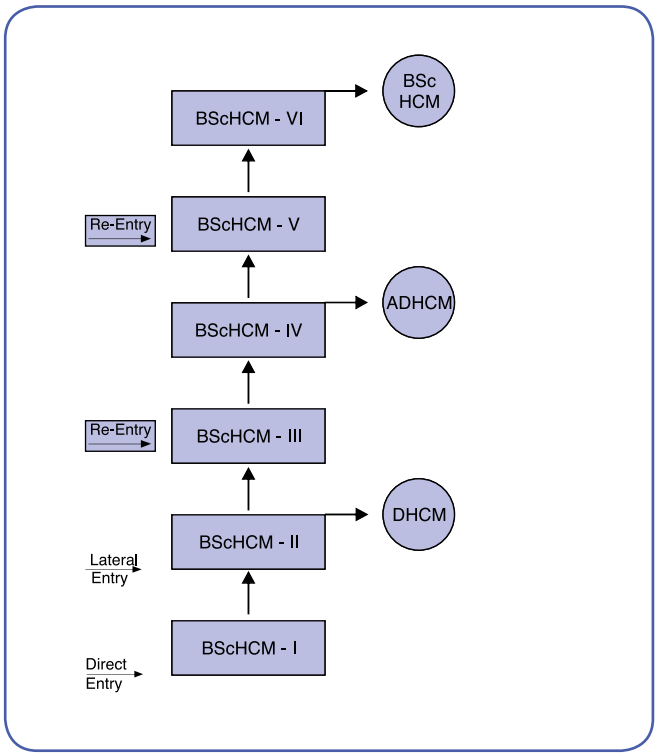
**Maximum Duration:** 6 years

**Counseling and Practical duration at the Learning Centre:** 160 hrs/semester

**SMU-DE has really helped me to enhance my prospect in many ways. The admission procedure is very easy, the fees is affordable, the local study centres are very helpful, study materials are very much to the point with lots of extra information about each subject.**

**Aanam Khan,**
BScHCM, Work Force – Hotel & Restaurant, Director

**Provision for Lateral entry, Re-entry and Exit options**




**Provision for lateral entry to second semester of BScHCM:**

**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education and a six month Diploma Program in Hotel Management from an institution affiliated to a University or approved by AICTE.

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.4,100/- (inclusive of examination fees) is payable by students opting for this scheme.

**Note:** In this lateral entry scheme, students have to appear and pass the first semester examination. Books of first semester will be supplied by the University and inte)rnal assessment will be completed at the Learning Centre.

**Provision for Re-entry into third semester of BScHCM:**

**Eligibility:** DHCM of SMU (Revised Spring 2007)

**Semester Fee:** Rs.17,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 2 years (4 semesters)

**Maximum duration:** 4 years

## BACHELOR OF SCIENCE IN HOSPITALITY AND CATERING MANAGEMENT B.Sc (HCM)

## ADVANCED DIPLOMA IN HOSPITALITY AND CATERING MANAGEMENT (ADHCM)

## DIPLOMA IN HOSPITALITY AND CATERING MANAGEMENT (DHCM)

**(REVISED SPRING 2007)**

http://www.smude.edu.in/BScHCM

http://www.smude.edu.in/ADHCM

http://www.smude.edu.in/DHCM

**Note:** A maximum gap of one year is allowed for the student to get admitted under the scheme after completion of DHCM.

**Provision for Re-entry into fifth semester of BScHCM:**

**Eligibility:** ADHCM of SMU (Revised Spring 2007)

**Semester Fee:** Rs.17,750/- per semester (inclusive of Exam Fee Rs.1,100/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters)

**Maximum duration:** 2 years

**Note:** A maximum gap of one year is allowed for the student to get admitted under the scheme after completion of ADHCM.

**Advanced Diploma in Hospitality and Catering Management**

After successful completion of first four semesters of BScHCM, if a student wishes to discontinue the program, such a student shall be awarded the Advanced Diploma in Hospitality and Catering Management as an exit qualification.

**Diploma in Hospitality and Catering Management**

After successful completion of first two semesters of BScHCM, if a student wishes to discontinue the program, such a student shall be awarded the Diploma in Hospitality and Catering Management as an exit qualification.

# POST GRADUATE DIPLOMA IN TRAVEL AND TOURISM MANAGEMENT (PGDTTM)

http://www.smude.edu.in/PGDTTM



Program Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| TM0001 | Basics of Tourism Industry | 2 |
| TM0002 | Communication in Tourism | 2 |
| TM0003 | Personality Development | 2 |
| TM0004 | Principles of Management | 2 |
| TM0005 | Basics of Air Travel & Aviation | 4 |
| TM0006 | Travel Agency & Tour Operations | 2 |
| TM0007 | Cultural Heritage of India | 2 |
| | Total Cumulative Credits | 16 |
| Second Semester | | |
| TM0008 | Geography & Tourism | 2 |
| TM0009 | Tourism Products | 4 |
| TM0010 | French Language | 2 |
| TM0011 | Tourism Finance | 2 |
| TM0012 | Forex Management | 2 |
| TM0013 | Professional Elective* | 4 |
| | Total Cumulative Credits | 32 |
| Professional Elective* - Choose any one of the following | | |
| TM1301 | Air Ticketing and CRS | |
| TM1302 | Hotel and Restaurant Administration | |
| TM1303 | Transport Management | |
| TM1304 | Public Relations & Advertising | |

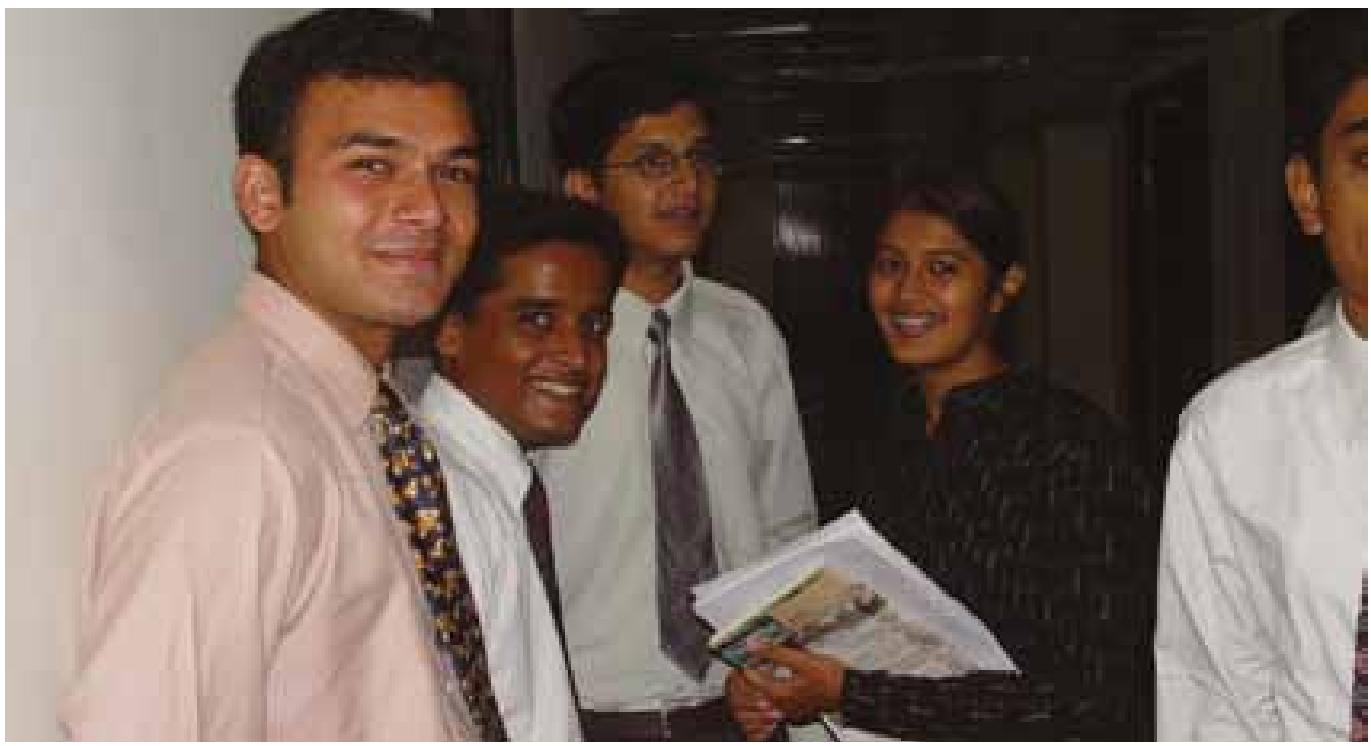
**Eligibility:** 3 year Graduation.

**Semester Fee:** Rs.11,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum Duration:** 1 year (2 semesters)

**Maximum Duration:** 2 years

**Counseling and Practical duration at the Learning Centre :** 160 hrs/semester



# Notes

# INFORMATION TECHNOLOGY

"SMU-DE helps you keep abreast with the ever changing technology".

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MSc(CS)..... 77
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http://www.smude.edu.in/ITdemo/

# SCOPE

## Career opportunities

### MSc (TT)

- Telecom System Solutions Engineer
- Real-time Computer Systems Developer
- Chip Design Engineer
- Communication Engineer
- Technical Support Provider

### MSc (IT)

- Application Programmer
- System Programmer
- Systems Designer
- Network Administrator
- Database Administrator

### MCA

- Application Programmer
- System Programmer
- Software Engineer

### BCA

- Systems Manager
- Internet Expert
- Web Designing Specialist
- Application Programmer
- System Programmer

### BSc (IT)

- System Analyst
- Application Programmer
- System Programmer
- Database Administrator

## Companies where our students work

### MCA

- Accenture Pvt. Ltd.
- Aditya Birla
- Bharti Airtel Ltd.
- Citigroups

### MSc (IT)

- Forbes Technosys Ltd.
- HCL Infosystems Ltd.
- Mcafee Soft (India) Pvt. Ltd.
- Centurion Bank of Punjab

### MSc (TT)

- IBM India Pvt. Ltd.
- Nokia Siemens Network
- Reliance Communication Ltd.
- Wipro

### BCA

- Airtel
- Convergys India Services
- Deloitte Touche Tohmatchu Pvt. Ltd.
- Future Systems

# BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY B.Sc (IT)

# DIPLOMA IN INFORMATION TECHNOLOGY (DIT)

**(REVISED SPRING 2009)**

http://www.smude.edu.in/BScIT

http://www.smude.edu.in/DIT

Program Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| BT0062 | Fundamentals of IT | 4 |
| BT0063 | Mathematics for IT | 4 |
| BT0064 | Logic Design | 4 |
| BT0065 | C Programming and Data Structures-Theory | 3 |
| BT0066 | Database Management System | 3 |
| BT0067 | C Programming and Data Structures- Practical | 2 |
| | Total Cumulative Credits | 20 |
| Second Semester | | |
| BT0068 | Computer Organization and Architecture | 4 |
| BT0069 | Discrete Mathematics | 4 |
| BT0070 | Operating Systems | 4 |
| BT0071 | Technical Communication- Theory | 2 |
| BT0072 | Computer Networks | 4 |
| BT0073 | OS and DBMS- Practical | 2 |
| | Total Cumulative Credits | 40 |
| Third Semester | | |
| BT0074 | OOPS With Java | 4 |
| BT0075 | RDBMS with MySQL | 4 |
| BT0076 | TCP/IP | 4 |
| BT0077 | Multimedia Systems | 2 |
| BT0078 | Website Design | 2 |
| BT0079 | Mini Project | 4 |
| | Total Cumulative Credits | 60 |
| Fourth Semester | | |
| BT0080 | Fundamentals of Algorithms | 4 |
| BT0081 | Software Engineering | 4 |
| BT0082 | Visual Basic | 4 |
| BT0083 | Server Side Programming- Theory | 4 |
| BT0084 | Technical Communications- Practical | 2 |
| BT0085 | Server Side Programming- Practical | 2 |
| | Total Cumulative Credits | 80 |

| Fifth Semester | | | |
|---|---|---|---|
| Sub Code | Subject Title | | Credits |
| BT0086 | Mobile Computing | | 4 |
| BT0087 | WML and WAP Programming- Theory | | 2 |
| BT0088 | Cryptography and Network Security | | 4 |
| BT0089 | Elective1 & | | 4 |
| BT0090 | Elective- 2# | | 4 |
| BT0091 | WML and WAP Programming-Practical | | 2 |
| | Total Cumulative Credits | | 100 |
| Sixth Semester | | | |
| BT0092 | Software Project Management | | 4 |
| BT0093 | Elective-3$ | | 4 |
| BT0094 | Elective-4 @ | | 4 |
| BT0095 | Project Work | | 8 |
| | Total Cumulative Credits | | 120 |
| Electives | | | |
| Elective - 1 (Choose One) & | | Elective - 2 (Choose One)# | |
| BT8901 | Object Oriented Systems | BT9001 | Data Mining |
| BT8902 | E-Commerce | BT9002 | Grid Computing |
| BT8903 | C# Programming | BT9003 | Data Storage Management |
| Elective - 3 (Choose One) $ | | Elective - 4 (Choose One)@ | |
| BT9301 | Computer Graphics | BT9401 | Pattern Recognition |
| BT9302 | Human Computer Interface | BT9402 | Artificial Intelligence |
| BT9303 | Design Patterns | BT9403 | Virtual Reality |

**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education

**Semester Fee:** Rs.10,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time

**Minimum duration:** 1 year (2 semesters) for DIT; 3 years (6 semesters) for BScIT

**Maximum duration:** 2 years for DIT; 6 years for BScIT

**Counseling and Practical duration at the Learning Centre:** 200 hrs/semester

# BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY B.Sc (IT)

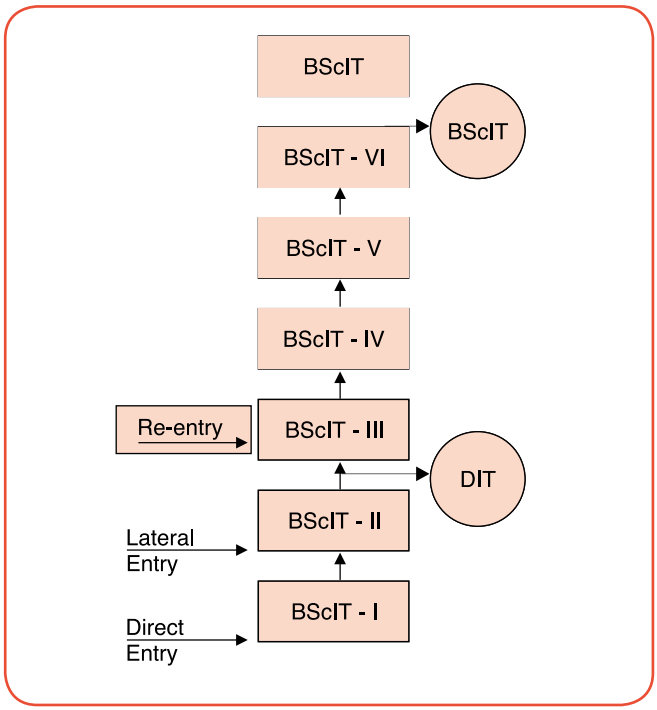
# DIPLOMA IN INFORMATION TECHNOLOGY (DIT)

**(REVISED SPRING 2009)**

http://www.smude.edu.in/BScIT

http://www.smude.edu.in/DIT

**Provision for Lateral entry, Re-entry and Exit options**




**Provision for lateral entry to second semester of BSc IT:**

**Eligibility:**

- 10+2 and Six months Computer Course from a reputed institution*. **OR**
- 3 year Diploma in CS or ECE or IT from a State Board of Technical Education. **OR**
- 3 year Diploma from a State Board of Technical Education and six months computer course from a reputed institution*.

**Additional Fees:** In addition to the regular fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by students opting for this scheme.

**Note:** In this Lateral Entry Scheme, students have to appear and pass the First Semester Examination. Books of First semester will be supplied by the University and Internal Assessment will be completed at the Learning Centre.

**Provision for Re-entry to Third semester of BScIT**

**Eligibility:** DIT of SMU (Revised Spring 2009)

**Semester Fee:** Rs.10,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 2 years (4 semesters)

**Maximum duration:** 4 years

**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after completion of DIT.

**Diploma in Information Technology**

After successful completion of first two semesters of BScIT, if a student wishes to discontinue the program, such a student shall be awarded the Diploma in Information Technology Certificate as an exit qualification.

*For list of approved reputed institutions visit our website www.smude.edu.in

# BACHELOR OF COMPUTER APPLICATIONS (BCA)

**(REVISED FALL 2007)**

**http://www.smude.edu.in/BCA**



Program Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| BC0032 | Communication Skills | 4 |
| BC0033 | Basic Mathematics | 4 |
| BC0034 | Computer Concepts and C Programming | 4 |
| BC0035 | Computer Fundamentals | 4 |
| BC0036 | Digital Systems | 4 |
| | Total Cumulative Credits | 20 |
| **Second Semester** | | |
| BC0037 | Object Oriented Programming using C++ | 4 |
| BC0038 | Data Structures using C | 4 |
| BC0039 | Discrete Mathematics | 4 |
| BC0040 | Computer Organization and Architecture | 4 |
| BC0041 | Fundamentals of Database Management | 4 |
| | Total Cumulative Credits | 40 |
| **Third Semester** | | |
| BC0042 | Operating Systems | 4 |
| BC0043 | Computer Oriented Numerical Methods | 4 |
| BC0044 | Accounting and Financial Management | 4 |
| BC0045 | Structured System Analysis and Design | 4 |
| BC0046 | Microprocessor (8085, 8086 & 8087) | 4 |
| | Total Cumulative Credits | 60 |

| Fourth Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| BC0047 | Java Programming | 4 |
| BC0048 | Computer Networks | 4 |
| BC0049 | Software Engineering | 4 |
| BC0050 | Oracle and Distributed Databases | 4 |
| BC0051 | System Software | 4 |
| | Total Cumulative Credits | 80 |
| **Fifth Semester** | | |
| BC0052 | Theory of Computer Science | 4 |
| BC0053 | VB .Net and XML | 4 |
| BC0054 | Software Project Management & Quality Assurance | 4 |
| BC0055 | TCP / IP Protocol Suite | 4 |
| BC0056 | Unix Operating System | 4 |
| | Total Cumulative Credits | 100 |
| **Sixth Semester** | | |
| BC0057 | Object Oriented Analysis & Design | 4 |
| BC0058 | Data Warehousing | 4 |
| BC0059 | Elective* | 4 |
| BC0060 | Project | 8 |
| | Total Cumulative Credits | 120 |
| *Elective (Choose one) | | |
| BC5901 | Artificial Intelligence | |
| BC5902 | Image Processing | |

**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education

**Semester Fee:** Rs.10,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time

**Minimum duration:** 3 years (6 semesters)

**Maximum duration:** 6 years

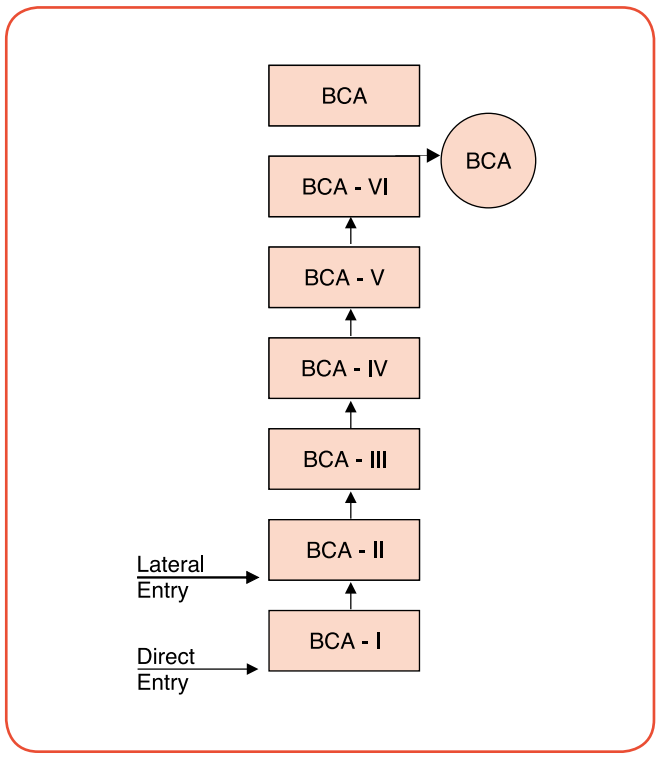
**Counseling and Practical duration at the Learning Centre:** 200 hrs/semester

# BACHELOR OF COMPUTER APPLICATIONS (BCA)

**(REVISED FALL 2007)**

http://www.smude.edu.in/BCA

**Provision for Lateral entry**




**Provision for lateral entry to second semester of BCA:**

**Eligibility:**

- 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education and six months computer course from a reputed institution*. **OR**
- 3 year Diploma in IT/CS from a State Board of Technical Education.

**Additional Fees:**

In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by students opting for this scheme.

**Note:**

In this lateral entry scheme, students have to appear and pass the first semester examination. Books of first semester will be supplied by the University and internal assessment will be completed at the Learning Centres.

*For list of approved reputed institutions visit our website www.smude.edu.in

# MASTER OF COMPUTER APPLICATIONS (MCA)
# MASTER OF SCIENCE IN COMPUTER SCIENCE M.Sc (CS)
# POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA)

**(REVISED FALL 2007)**

http://www.smude.edu.in/MCA

http://www.smude.edu.in/MScCS

http://www.smude.edu.in/PGDCA

Program Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MC0061 | Computer Programming "C Language"` | 4 |
| MC0062 | Digital Systems, Computer Organization & Architecture | 4 |
| MC0063 | Discrete Mathematics | 4 |
| MC0064 | Basic Web Development (Internet, HTML, Stylesheets & Basics of Multimedia) | 4 |
| MC0065 | Financial Management & Accounting | 4 |
| | Total Cumulative Credits | 20 |
| Second Semester | | |
| MC0066 | OOPS Using C++ | 4 |
| MC0067 | Database Management System (DBMS and Oracle 9i) | 4 |
| MC0068 | Data Structures using C | 4 |
| MC0069 | System Analysis and Design (SAD) | 4 |
| MC0070 | Operating Systems with Unix | 4 |
| | Total Cumulative Credits | 40 |
| Third Semester | | |
| MC0071 | Software Engineering | 4 |
| MC0072 | Computer Graphics | 4 |
| MC0073 | System Programming | 4 |
| MC0074 | Statistical and Numerical Methods using C++ | 4 |
| MC0075 | Computer Networks | 4 |
| | Total Cumulative Credits | 60 |
| Fourth Semester | | |
| MC0076 | Management and Information Systems | 4 |
| MC0077 | Advanced Database Systems | 4 |
| MC0078 | Java Programming | 4 |
| MC0079 | Computer-based Optimization Methods (Statistics / Applied OR) | 4 |
| MC0080 | Analysis & Design of Algorithms | 4 |
| | Total Cumulative Credits | 80 |

| Fifth Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MC0081 | .Net Technologies | 4 |
| MC0082 | Theory of Computer Science | 4 |
| MC0083 | Object Oriented Analysis & Design using UML | 4 |
| MC0084 | Software Project Management & Quality Assurance | 4 |
| MC0085 | Advanced Operating Systems (Distributed Systems) | 4 |
| | Total Cumulative Credits | 100 |
| Sixth Semester | | |
| MC0086 | Digital Image Processing | 4 |
| MC0087 | Internetworking with TCP/IP | 4 |
| MC0088 | Data Mining | 4 |
| MC0089 | Project | 8 |
| | Total Cumulative Credits | 120 |

**Eligibility:** 3 year Graduation

**Semester Fee:** I & II Semester: Rs .11,700/- per semester, III, IV, V and VI semester: Rs.12,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters) {for PGDCA}; 2 years (4 semesters) {for MScCS}; 3 years (6 semesters) {for MCA}

**Maximum duration:** 2 years {for PGDCA}; 4 years {for MScCS}; 6 years {for MCA}.

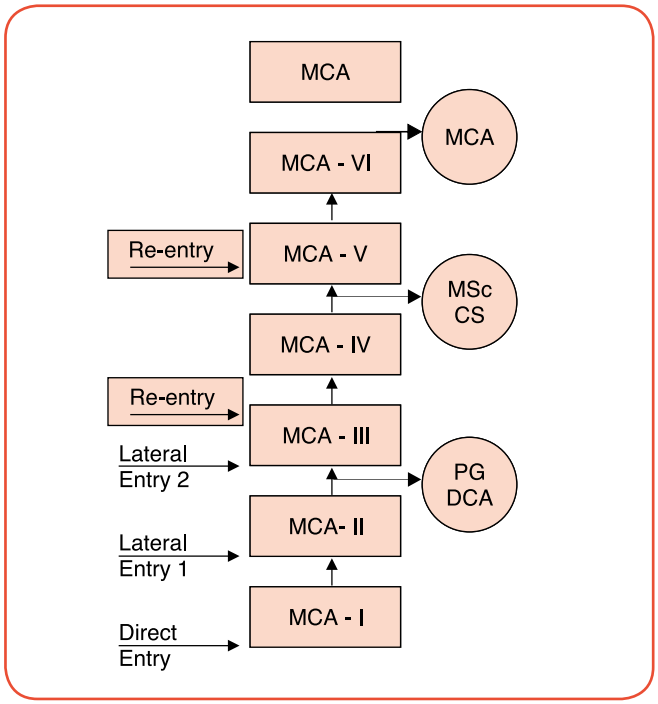
**Counseling and Practical duration at the Learning Centre:** 200 hrs/semester

# MASTER OF COMPUTER APPLICATIONS (MCA)
# MASTER OF SCIENCE IN COMPUTER SCIENCE M.Sc (CS)
# POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA)

**(REVISED FALL 2007)**

http://www.smude.edu.in/MCA
http://www.smude.edu.in/MScCS
http://www.smude.edu.in/PGDCA

**Provision for Lateral entry, Re-entry and Exit options**




**Provision for lateral entry to the second semester of MCA / MScCS:**

**Eligibility:** 3 year graduation and six month Computer course from a reputed institution *.

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by the students opting under this scheme.

**Note:** In this Lateral Entry Scheme, students have to appear and pass the First Semester Examination. Books of First semester will be supplied by the University and Internal Assessment will be completed at the Learning centre.

**Provision for lateral entry to the third semester of MCA / MSc CS:**

**Eligibility**:

- BCA / BSc (IT / CS / AIT) / BE in (IT / CS / E&C / E&E) / BTech in (IT / CS / E&C / E&E) from a recognized University.

**This category is not eligible for exit qualification for MScCS.**

**OR**

- 3 year graduation with PGDCA/PGDIT or equivalent from a recognized University / successful completion of A level course (Computers) from DOEACC after graduation.

**OR**

- 3 year graduation with 2 year diploma from CMC / ET&T / NIIT / APTECH / 2 years Advanced Diploma in IT from Centre for Electronic Design and Technology of India (CEDTI).

**This category is not eligible for exit qualification for MScCS.**

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by the students opting under this scheme.

**Note:** In this Lateral Entry Scheme, students have to appear and pass the Second Semester Examination. Books of second semester will be supplied by the University and Internal Assessment will be completed at the Learning Centre.

**Provision for Re-entry to third semester of MCA/MScCS:**

**Eligibility:** PGDCA of SMU ( Revised Fall 2007)
**Semester Fee:** Rs.12,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 2 years (4 semesters)

**Maximum duration:** 4 years

**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after completion of PGDCA.

*For list of approved reputed institutions visit our website www.smude.edu.in

## MASTER OF COMPUTER APPLICATIONS (MCA)
## MASTER OF SCIENCE IN COMPUTER SCIENCE M.Sc (CS)
## POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA)

**(REVISED FALL 2007)**

http://www.smude.edu.in/MCA

http://www.smude.edu.in/MScCS

http://www.smude.edu.in/PGDCA

**Provision for Re-entry to fifth semester of MCA:**

**Eligibility:** MScCS of SMU (Revised Fall 2007)

**Semester Fee:** Rs.12,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters)

**Maximum duration:** 2 years

**Note:** A maximum gap of one year is allowed for the student to get admitted under this scheme after completion of MScCS. The students have to surrender MScCS certificate, in case of re-entry to MCA program.

**Master of Science in Computer Science**

After successful completion of the first four semesters of MCA, if a student wishes to discontinue the program, such a student shall be awarded the Master of Science in Computer Science as an exit qualification.

**Post Graduate Diploma in Computer Applications**

After successful completion of the first two semesters of MCA, if a student wishes to discontinue the program, such a student shall be awarded the Post Graduate Diploma in Computer Applications as an exit qualification.

**The course from SMU-DE will help me in my career. I feel this is a very good option for the working professionals because SMU-DE provides study materials & updates through mails which is very convenient for people who cannot visit the Learning Centre all the time.**

**Abhishek Bhattacharyya,**
MCA,
Barry Systems Solutions, Software Developer.

# MASTER OF SCIENCE IN INFORMATION TECHNOLOGY M.Sc (IT)

# POST GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY (PGDIT)

**(REVISED FALL 2005)**

http://www.smude.edu.in/MScIT

http://www.smude.edu.in/PGDIT

## Program Structure

| Sub. Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| MT0031 | Basics of IT | 2 |
| MT0032 | Structured System Analysis & Design (SSAD) | 2 |
| MT0033 | Data Structure Using 'C' | 4 |
| MT0034 | DBMS & SQL Server | 4 |
| MT0035 | Internet and Multimedia | 4 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| MT0036 | Switching and Transmission Fundamentals | 2 |
| MT0037 | Broadband Communication | 2 |
| MT0038 | Wireless Mobile Communication | 2 |
| MT0039 | Artificial Intelligence & Remote Communication | 2 |
| MT0040 | Visual Basic with .NET Technology | 4 |
| MT0041 | Computer Architecture | 4 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| MT0042 | C++ | 2 |
| MT0043 | Discrete Mathematics | 2 |
| MT0044 | IT Law and Practice | 2 |
| MT0045 | Java | 2 |
| MT0046 | Oracle 9i | 4 |
| MT0047 | Advance Software Engineering | 4 |
| | Total Cumulative Credits | 48 |
| **Fourth Semester** | | |
| MT0048 | Client Server Architecture | 2 |
| MT0049 | Voice Over IP | 2 |
| MT0050 | Management Information System (MIS) | 2 |
| MT0051 | Internet Working with TCP/IP | 2 |
| MT0052 | JAVA Beans (With Servlets, JDBC, JSP, EJB) & XML | 4 |
| MT0053 | Project | 4 |
| | Total Cumulative Credits | 64 |

**Eligibility:** 3 year Graduation

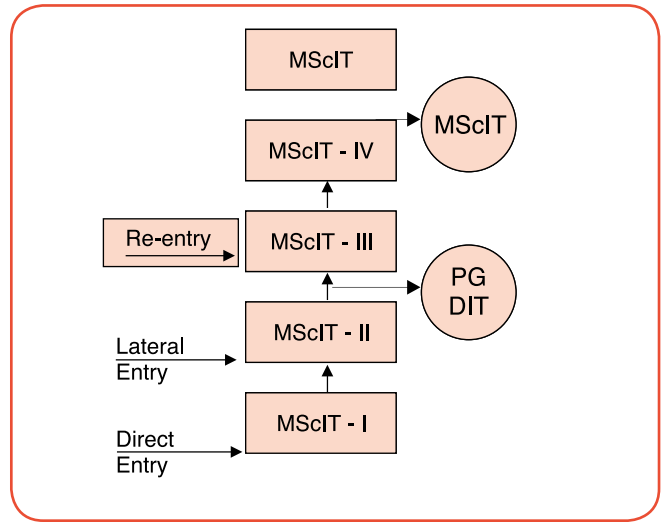
**Semester Fee:** Rs.10,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time

**Minimum duration:** 2 years (4 semesters)

**Maximum duration:** 4 years

**Counseling and Practical duration at the Learning Centre:** 160 hrs/semester

**Provision for Lateral entry, Re-entry and Exit options**




**Provision for lateral entry to second semester of MSc IT:**

**Eligibility:**

- 3 year Graduation from a recognized University and six month Computer course from a reputed institution*.

**OR**

- BCA / BSc (IT/CS/AIT) / BE in (IT/CS/E&C/E&E) / BTech in (IT/CS/E&C/E&E) from a recognized University.

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by the students opting under this scheme.

**Note:** In this Lateral Entry Scheme, students have to appear and pass the First Semester Examination. Books of First semester will be supplied by the University and Internal Assessment will be completed at the Learning Centre.

*For list of approved reputed institutions visit our website www.smude.edu.in

## MASTER OF SCIENCE IN INFORMATION TECHNOLOGY M.Sc (IT)

## POST GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY (PGDIT)

**(REVISED FALL 2005)**

http://www.smude.edu.in/MScIT

http://www.smude.edu.in/PGDIT

**Provision for Re-entry into third semester of MScIT:**
**Eligibility:** PGDIT of SMU (Fall 2005)

**Semester Fee:** Rs.10,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters)

**Maximum duration:** 2 years

**Note:** A maximum gap of one year is allowed for the students to get admitted under this scheme after completion of PGDIT.

**Post Graduate Diploma in Information Technology**
After successful completion of first two semesters of MSc IT, if a student wishes to discontinue the course, such a student shall be awarded the Post Graduate Diploma in Information Technology as an exit qualification.

**The MScIT course that I did from SMU-DE helped me get a job at HCL. It has given me a good start to my career. I thank SMU-DE for providing quality and relevant materials, and support through study centres which helped me a lot.**

**Raja Sarkar,**
MScIT,
HCL, Sr. Software Engineer

# MASTER OF SCIENCE IN TELECOM TECHNOLOGY M.Sc(TT)

http://www.smude.edu.in/MScTT

Program Structure

| Sub. Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| ME0001 | Computer Basics | 4 |
| ME0002 | C & Object Oriented Programming (OOPS) | 4 |
| ME0003 | Basic Electronics for Telecom | 2 |
| ME0004 | Java Programming | 2 |
| ME0005 | Basic Principles of Networking | 4 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| ME0006 | Principles of Digital Telecom | 2 |
| ME0007 | Broadband Communication Network | 2 |
| ME0008 | Wireless Communication System | 2 |
| ME0009 | Mathematics for Telecommunications | 2 |
| ME0010 | Database Management | 4 |
| ME0011 | Software Engineering | 4 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| ME0012 | Overview of Telecom Technology | 4 |
| ME0013 | Switching & Transmission Fundamentals | 4 |
| ME0014 | New Generation Networks (Optical Base Network) | 2 |
| ME0015 | Signaling System Number 7 | 2 |
| ME0016 | WML Script & WAP | 2 |
| ME0017 | Client Server Architecture | 2 |
| | Total Cumulative Credits | 48 |
| **Fourth Semester** | | |
| ME0018 | Voice Over IP | 4 |
| ME0019 | Geographical Information System | 2 |
| ME0020 | Artificial Intelligence & Remote Communication | 2 |
| ME0021 | Billing and Customer Care | 2 |
| ME0022 | Telecommunication Regulation, Market and Service | 2 |
| ME0023 | Project | 4 |
| | Total Cumulative Credits | 64 |

**Eligibility:** 3 year Graduation.

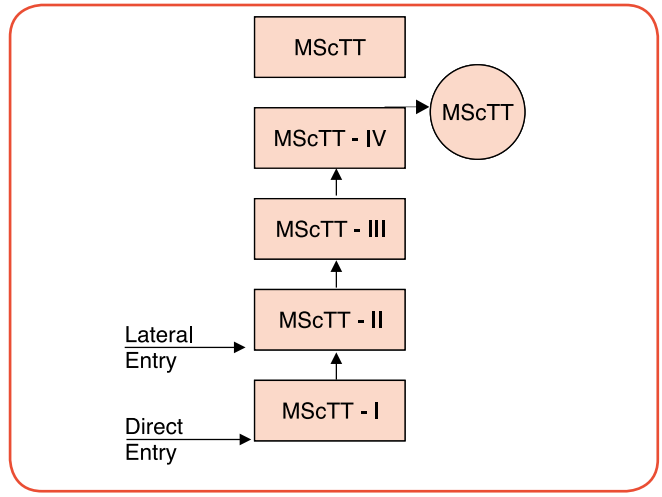
**Semester Fee:** Rs.11,700/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 2 years (4 semesters)

**Maximum duration:** 4 years

**Counseling and Practical duration at the Learning Centre:** 160 hrs/semester

**Provision for Lateral entry**




**Provision for lateral entry to second semester of MScTT :**

**Eligibility:**

- BCA / BSc (IT/CS/AIT) / BE in (IT/CS/E&C/E&E) / BTech in (IT/CS/E&C/E&E) from a recognized University. **OR**
- 3-year Graduation with PGDCA / PGDIT or equivalent from a recognized University / successful completion of A level course (Computers) from DOEACC after graduation. **OR**
- 3-year Graduation with 2 year Diploma from CMC / ET&T / NIIT / APTECH / 2 year advanced Diploma in IT from Centre for Electronic Design & Technology of India (CEDTI).

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by students opting for this scheme.

**Note:** In this lateral entry scheme, students have to appear and pass the first semester examination. Books of first semester will be supplied by the University and internal assessment will be completed at the Learning Centre.

# MANAGEMENT

"With SMU-DE, my journey to the top became easier."

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http://www.smude.edu.in/MBA/presentation.html

# SCOPE

## Career opportunities

### MBA(PM)

- Process Analyst
- Administrator
- Team Lead
- Project Engineer

### MBA (ISM)

- Systems Analyst
- Software Engineer
- Network Administrator
- Technical Manager

### MBA (MM)

- Brand Manager

### MBA (HCS)

- General Manager
- Hospital Administrator
- Manager (Operational Departments)
- Junior Administrators

### MBA (TQM)

- Quality Supervisor
- Quality Lead
- Quality Engineer
- Quality Control Executive

### MBA (HRM)

- HR Recruiter
- Training Coordinator
- Manager-Staffing
- Compensation and Benefits Manager

## Companies where our students work

### MBA

- 11 Special Ranger Group
- 190 Medium Regiment
- 1st Indian Corp Hyd
- 20 Sikh Regt
- 24/7 Customer

### PGDBA

- A & M Communications
- Bestprax Club Pvt. Ltd.
- Caterpillar Logistics Services India Pvt. Ltd.
- Composite Agra Systems & Equipments Pvt. Ltd.
- D G Traders

### PGDBA

- Aristo Ph Pvt. Ltd.
- Bennet Coleman and Company Ltd.
- Bioguard Organics Ltd.
- Davar S College
- Dist Industries Center

### BBA

- AFL Pvt. Ltd.
- Air India
- Alkem Laboratories
- Asian Hotels Ltd.
- Bajaj Allianz

# BACHELOR OF BUSINESS ADMINISTRATION (BBA)

**http://www.smude.edu.in/BBA**

Program Structure

| Sub. Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| BB0001 | Marketing | 2 |
| BB0002 | Organization Behavior | 2 |
| BB0003 | Organization, Competition & Environment | 2 |
| BB0004 | Communication Skills in English | 2 |
| BB0005 | Computer Fundamentals | 4 |
| BB0006 | Financial Accounting | 4 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| BB0007 | Management Information System (MIS) | 2 |
| BB0008 | Legal Regulatory Framework | 2 |
| BB0009 | Business Strategy | 4 |
| BB0010 | Quantitative Techniques in Business | 4 |
| BB0011 | Managing Financial Resources | 4 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| BB0012 | Management Accounting | 4 |
| BB0013 | Financial System & Auditing | 4 |
| BB0014 | Introduction to Internet | 4 |
| BB0015 | Quality Management | 2 |
| BB0016 | Small Business Management | 2 |
| | Total Cumulative Credits | 48 |
| **Fourth Semester** | | |
| BB0017 | Financial Reporting | 2 |
| BB0018 | Human Resources Management | 2 |
| BB0019 | Taxation | 4 |
| BB0020 | Managing Information | 4 |
| BB0021 | Production & Operation Management | 4 |
| | Total Cumulative Credits | 64 |
| **Fifth Semester** | | |
| BB0022 | Capital and Money Market | 4 |
| BB0023 | Multinationals and their Roles | 4 |
| BB0024 | Introduction to International Marketing | 4 |
| BB0025 | e-Commerce | 2 |
| BB0026 | Introduction to Technology Management | 2 |
| | Total Cumulative Credits | 80 |
| **Sixth Semester** | | |
| BB0027 | Cross-culture Aspects of Business | 4 |
| BB0028 | Entrepreneurship Development | 4 |
| BB0029 | Economic Reforms Process in India | 4 |
| BB0030 | Role of International Financial Institutions | 2 |
| BB0031 | Management Development | 2 |
| | Total Cumulative Credits | 96 |

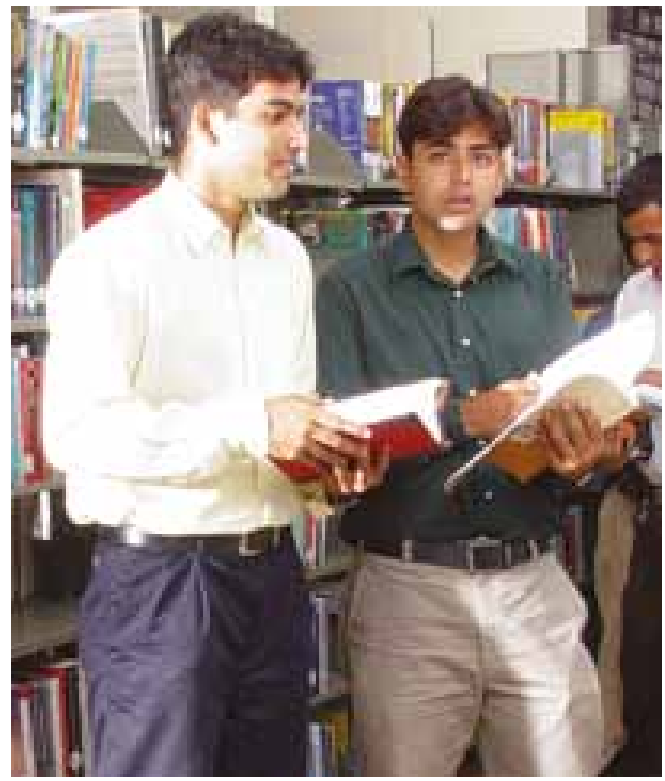
**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education

**Semester Fee:** Rs.10,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/ ) or as revised from time to time

**Minimum duration:** 3 years (6 semesters)

**Maximum duration:** 6 years

**Counseling and Practical duration at the Learning Centre:** 160 hrs/semester



**The course material was very relevant to my career requirement. It helped me greatly in my career.**

**Ramnath Setty,**
BBA, Asst GM - Vee Technologies

## BACHELOR OF BUSINESS ADMINISTRATION IN RETAIL OPERATIONS BBA (RO)

**http://www.smude.edu.in/BBARO**

**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education

**Semester Fee:** Rs.10,950/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time

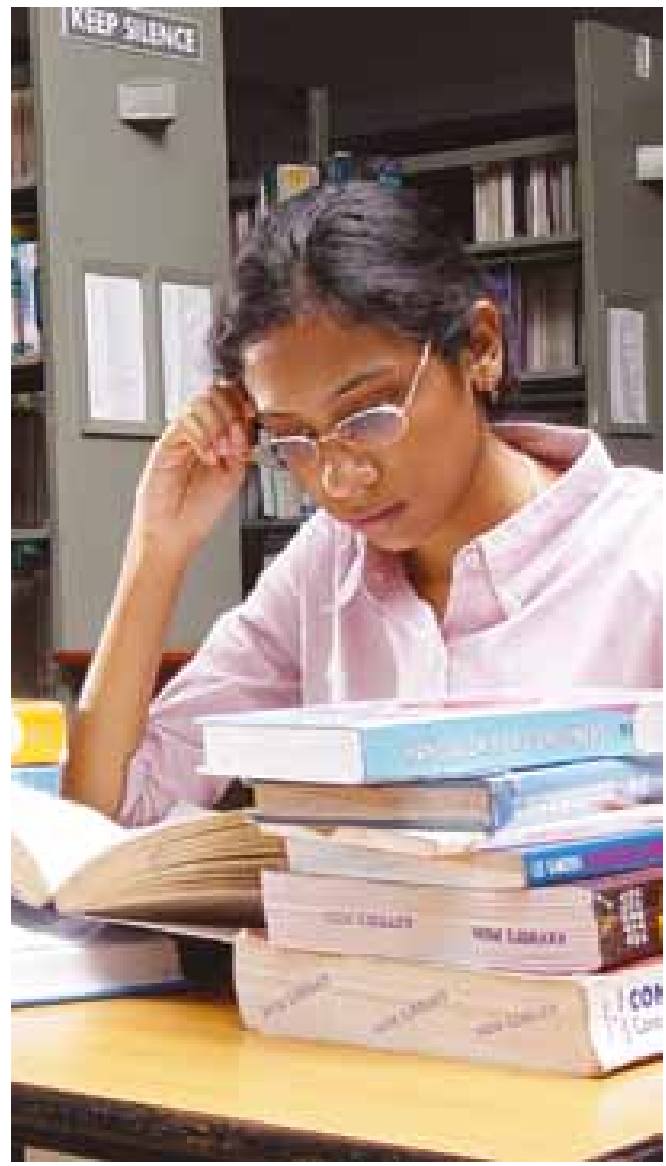
**Minimum duration:** 3 years (6 semesters)

**Maximum duration:** 6 years

**Counseling and Practical duration at the Learning Centre:** 160 hrs/semester

Program Structure

| Sub. Code | Subject Title | Credits |
|---|---|---|
| **First Semester** | | |
| CA0001 | Marketing | 4 |
| CA0002 | Organizational Behavior | 2 |
| CA0003 | Supply Chain Management | 2 |
| CA0004 | Merchandising -I | 2 |
| CA0005 | Store Operations | 2 |
| CA0006 | Retail Cashiering | 2 |
| CA0007 | Retail Job Knowledge | 2 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| CA0008 | Management Information System | 2 |
| CA0009 | Human Resource Management | 2 |
| CA0010 | Quantitative Techniques in Business | 4 |
| CA0011 | Warehouse Management | 4 |
| CA0012 | Project | 4 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| CA0013 | Retail Management | 2 |
| CA0014 | Communication Skills in English | 2 |
| CA0015 | Financial Accounting | 4 |
| CA0016 | Quality Management | 2 |
| CA0017 | Small Business Management | 2 |
| CA0018 | Logistics Management | 4 |
| | Total Cumulative Credits | 48 |
| **Fourth Semester** | | |
| CA0019 | Business Strategy | 4 |
| CA0020 | Advertising & Sales Management | 4 |
| CA0021 | Buying | 4 |
| CA0022 | Merchandising – II | 4 |
| | Total Cumulative Credits | 64 |
| **Fifth Semester** | | |
| CA0023 | Research Methodology | 2 |
| CA0024 | Management Accounting | 4 |
| CA0025 | Introduction to International Marketing | 4 |
| CA0026 | e-Commerce | 2 |
| CA0027 | Introduction to Technology Management | 2 |
| CA0028 | Case Studies in Retail | 2 |
| | Total Cumulative Credits | 80 |
| **Sixth Semester** | | |
| CA0029 | Legal Regulatory Framework | 2 |
| CA0030 | Retail Project/ Property Management | 4 |
| CA0031 | Modern Retail Management Processes | 4 |
| CA0032 | Retail Service Management | 4 |
| CA0033 | Management Development | 2 |
| | Total Cumulative Credits | 96 |

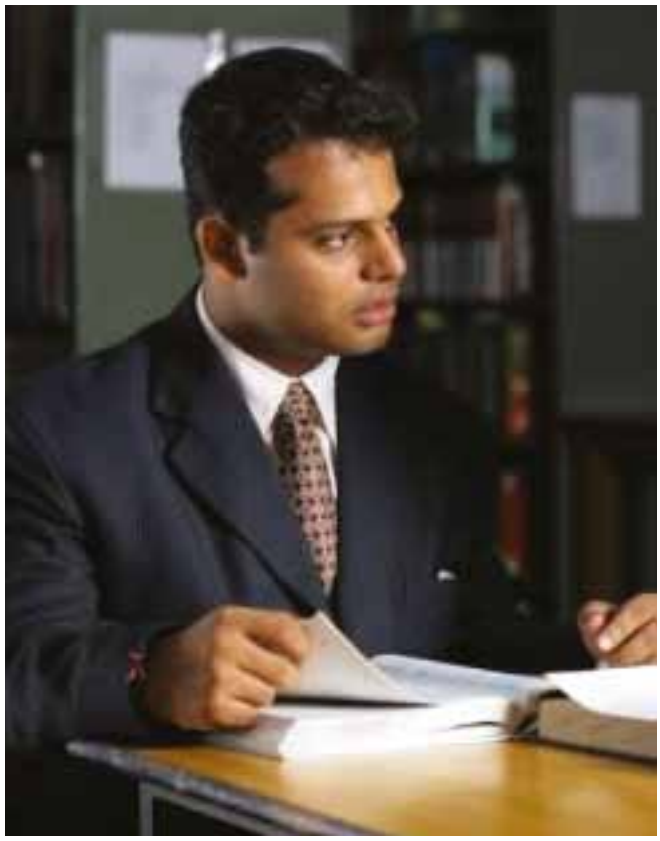


## BACHELOR OF COMMERCE IN INFORMATION SYSTEM BCom (IS)

**http://www.smude.edu.in/BComIS**

Program Structure

| First Semester | | |
|---|---|---|
| Sub Code | Subject Title | Credits |
| BM0001 | Financial Accounting | 4 |
| BM0002 | Modern Indian/ Foreign Language | 4 |
| BM0003 | Mathematics and Statistics | 4 |
| BM0004 | Business Organization and Management | 2 |
| BM0005 | Basic Computer Application | 2 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| BM0006 | Ecosystem and Micro Economics | 4 |
| BM0007 | Office Management and Secretarial Practice | 4 |
| BM0008 | Programming in C & C++ | 4 |
| BM0009 | Marketing Management | 4 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| BM0010 | Economics: Environment and Macro Policy | 4 |
| BM0011 | Business Law | 4 |
| BM0012 | Database Management and Oracle | 4 |
| BM0013 | Advanced Accountancy | 4 |
| | Total Cumulative Credits | 48 |



| Fourth Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| BM0014 | e-Commerce and Application Package | 4 |
| BM0015 | Business Taxation and Auditing | 4 |
| BM0016 | Management and Cost Accounting | 4 |
| BM0017 | Secured e-Transaction | 2 |
| BM0018 | Human Resource Management | 2 |
| | Total Cumulative Credits | 64 |
| **Fifth Semester** | | |
| BM0019 | Management Information System (MIS) | 2 |
| BM0020 | Electronic Banking | 2 |
| BM0021 | Financial Management | 4 |
| BM0022 | Financial Services | 4 |
| BM0023 | Capital and Money Market | 4 |
| | Total Cumulative Credits | 80 |
| **Sixth Semester** | | |
| BM0024 | Small Business Management and Entrepreneurship | 4 |
| BM0025 | Visual Basic | 4 |
| BM0026 | CRM (Customer Relationship Management) | 4 |
| BM0027 | Insurance and Risk Management | 4 |
| | Total Cumulative Credits | 96 |

**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education

**Semester Fee:** Rs.7,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time

**Minimum duration:** 3 years (6 semesters)

**Maximum duration:** 6 years

**Counseling and Practical duration at the Learning Centre:** 160 hrs/semester

# POST GRADUATE DIPLOMA IN BUSINESS ADMINISTRATION (PGDBA)

**(REVISED SPRING 2010)**

**http://www.smude.edu.in/PGDBA**

Program Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MB0038 | Management Process and Organization Behavior | 4 |
| MB0039 | Business Communication | 4 |
| MB0040 | Statistics for Management | 4 |
| MB0041 | Financial and Management Accounting | 4 |
| MB0042 | Managerial Economics | 4 |
| MB0043 | Human Resource Management | 4 |
| | Total Cumulative Credits | 24 |
| Second Semester | | |
| MB0044 | Production and Operations Management | 4 |
| MB0045 | Financial Management | 4 |
| MB0046 | Marketing Management | 4 |
| MB0047 | Management Information System | 4 |
| MB0048 | Operations Research | 4 |
| MB0049 | Project Management | 4 |
| | Total Cumulative Credits | 48 |

**Eligibility:** 3 year Graduation

**Semester Fee:** Rs.12,500/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters)

**Maximum duration:** 2 years

**Counseling and Practical duration at the Learning Centre:** 180 hrs/semester

**Note:** After successful completion of PGDBA program, the student will be eligible for Re-entry to III semester of MBA. (Revised Spring 2010)

# PG DIPLOMA IN SPECIALIZATION AREAS OF MBA

**(REVISED SPRING 2010)**

FINANCE MANAGEMENT

MARKETING MANAGEMENT

HUMAN RESOURCE MANAGEMENT

INFORMATION SYSTEM MANAGEMENT

BANKING MANAGEMENT

RETAIL OPERATIONS MANAGEMENT

OPERATIONS MANAGEMENT

PROJECT MANAGEMENT

TOTAL QUALITY MANAGEMENT

HEALTHCARE SERVICES MANAGEMENT

## Program Structure

First Semester

| Sub. Code | Subject Title | Credits |
|---|---|---|
| MB0050 | Research Methodology | 4 |
| MB0051 | Legal Aspects of Business | 4 |
| | 4 Subjects in area of Specialization (4 credits each) | 16 |
| | Project* | |
| | Total Cumulative Credits | 24 |

Second Semester

| Sub. Code | Subject Title | Credits |
|---|---|---|
| MB0052 | Strategic Management and Business Policy | 4 |
| MB0053 | International Business Management | 4 |
| | 4 Subjects in area of Specialization (4 credits each) | 16 |
| | Project* | 4 |
| | Total Cumulative Credits | 52 |

**Eligibility:** An MBA degree from a recognized University, or an equivalent of a two-year Post Graduate Diploma in Business Management from an AICTE approved institution. Students who have completed the SMU MBA degree in the past are also eligible to pursue this program, should they wish to acquire a post graduate diploma qualification in an added area of specialization.

**Semester Fee:** Rs.12,500/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters)

**Maximum duration:** 2 years

**Counseling and Practical duration at the Learning Centre:** 160 hrs/semester

**Exemptions:** Students who have completed the SMU MBA degree (Revised Fall 2007 onwards) may be exempted from taking the core subjects offered in the first and second semesters of the PG Diploma, since they would have studied these as a part of the MBA program.

*The Project will be done in the area of specialization and should be a live project on an ongoing problem faced by an organization, under a company guide. It will commence in Semester I and will be completed in Semester II. Evaluation will be conducted in Semester II.

# PG DIPLOMA IN SPECIALIZATION AREAS OF MBA

**(REVISED SPRING 2010)**

PG Diploma in Human Resource Management

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MU0010 | Manpower Planning and Resourcing | 4 |
| MU0011 | Management & Organizational Development | 4 |
| MU0012 | Employee Relations Management | 4 |
| MU0013 | HR Audit | 4 |
| MU0014 | Project* | |
| **Second Semester** | | |
| MU0015 | Compensation Benefits | 4 |
| MU0016 | Performance Management & Appraisal | 4 |
| MU0017 | Talent Management & Employee Retention | 4 |
| MU0018 | Change Management | 4 |
| MU0014 | Project* | 4 |

PG Diploma in Information Systems Management

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MI0033 | Software Engineering | 4 |
| MI0034 | Database Management Systems (DBMS) | 4 |
| MI0035 | Computer Networks | 4 |
| MI0036 | Business Intelligence and Tools | 4 |
| MI0037 | Project* | |
| **Second Semester** | | |
| MI0038 | Enterprises Resource Planning (ERP) | 4 |
| MI0039 | e-Commerce | 4 |
| MI0040 | Technology Management | 4 |
| MI0041 | Java and Web Design | 4 |
| MU0037 | Project* | 4 |

PG Diploma in Finance Management

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MF0010 | Security Analysis & Portfolio Management | 4 |
| MF0011 | Mergers & Acquisitions | 4 |
| MF0012 | Taxation Management | 4 |
| MF0013 | Internal Audit & Control | 4 |
| MF0014 | Project* | |
| **Second Semester** | | |
| MF0015 | International Financial Management | 4 |
| MF0016 | Treasury Management | 4 |
| MF0017 | Merchant Banking & Financial Services | 4 |
| MF0018 | Insurance and Risk Management | 4 |
| MF0014 | Project* | 4 |

PG Diploma in Banking Management

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MA0036 | Financial System & Commercial Banking | 4 |
| MA0037 | Banking Related Laws & Practices | 4 |
| MA0038 | Banking Operations | 4 |
| MA0039 | Retail Banking | 4 |
| MA0040 | Project* | |
| **Second Semester** | | |
| MA0041 | Merchant Banking & Financial Services | 4 |
| MA0042 | Treasury Management | 4 |
| MA0043 | Corporate Banking | 4 |
| MA0044 | Institutional Banking | 4 |
| MA0040 | Project* | 4 |

PG Diploma in Marketing Management

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MK0010 | Sales Distribution and Supply Chain Management | 4 |
| MK0011 | Consumer Behavior | 4 |
| MK0012 | Retail Marketing | 4 |
| MK0013 | Marketing Research | 4 |
| MK0014 | Project* | |
| **Second Semester** | | |
| MK0015 | Services Marketing and Customer Relationship Management | 4 |
| MK0016 | Advertising Management & Sales Promotion | 4 |
| MK0017 | e-Marketing | 4 |
| MK0018 | International Marketing | 4 |
| MK0014 | Project* | 4 |

PG Diploma in Retail Operations Management

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| ML0010 | Warehousing & Supply Chain Management | 4 |
| ML0011 | Buying & Merchandising | 4 |
| ML0012 | Store Operations | 4 |
| ML0013 | Retail IT Management | 4 |
| ML0014 | Project* | |
| **Second Semester** | | |
| ML0015 | Service Marketing and Customer Relationship Management | 4 |
| ML0016 | Advertising Management & Sales Promotion | 4 |
| ML0017 | Mall Management | 4 |
| ML0018 | Project Management in Retail | 4 |
| ML0014 | Project* | 4 |

*The Project will be done in the area of specialization and should be a live project on an ongoing problem faced by an organization, under a company guide. It will commence in Semester I and will be completed in Semester II. Evaluation will be conducted in semester II.

PG Diploma in Operations Management

| FirstSemester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| OM0010 | Operations Management | 4 |
| OM0011 | Enterprises Resource Planning | 4 |
| OM0012 | Supply Chain Management | 4 |
| OM0013 | Advanced Production and Operations Management | 4 |
| OM0014 | Project* | |
| Second Semester | | |
| OM0015 | Maintenance Management | 4 |
| OM0016 | Quality Management | 4 |
| OM0017 | Advanced Production Planning and Control | 4 |
| OM0018 | Technology Management | 4 |
| OM0014 | Project* | 4 |

PG Diploma in Project Management

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| PM0010 | Introduction to Project Management | 4 |
| PM0011 | Project Planning and Scheduling | 4 |
| PM0012 | Project Finance and Budgeting | 4 |
| PM0013 | Managing Human Resources in Projects | 4 |
| PM0014 | Project* | |
| Second Semester | | |
| PM0015 | Quantitative Methods in Project Management | 4 |
| PM0016 | Project Risk Management | 4 |
| PM0017 | Project Quality Management | 4 |
| PM0018 | Contracts Management in Projects | 4 |
| PM0014 | Project* | 4 |

PG Diploma in Total Quality Management

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| QM0010 | Foundation of Quality Management | 4 |
| QM0011 | Principles and Philosophies of Quality Management | 4 |
| QM0012 | Statistical Process Control and Process Capability | 4 |
| QM0013 | Quality Management Tools | 4 |
| QM0014 | Project* | |
| Second Semester | | |
| QM0015 | ISO / QS 9000 Elements | 4 |
| QM0016 | Managing Quality in the Organization | 4 |
| QM0017 | Quality Management Systems | 4 |
| QM0018 | Quality Development Methods | 4 |
| QM0014 | Project* | 4 |

PG Diploma in Healthcare Services Management

| First Semester | | |
|---|---|---|
| Sub Code | Subject Title | Credits |
| MH0051 | Health Administration | 4 |
| MH0052 | Hospital Organization, Operations and Planning | 4 |
| MH0053 | Hospital & Healthcare Information Management | 4 |
| MH0054 | Finance, Economics and Planning in Healthcare Services | 4 |
| MH0055 | Project* | |
| Second Semester | | |
| MH0056 | Public Relations and Marketing for Healthcare Organization | 4 |
| MH0057 | Management of Healthcare Human Resources | 4 |
| MH0058 | Legal Aspects in Healthcare Administration | 4 |
| MH0059 | Quality Management in Healthcare Services | 4 |
| MH0055 | Project* | 4 |

*The Project will be done in the area of specialization and should be a live project on an ongoing problem faced by an organization, under a company guide. It will commence in Semester I and will be completed in Semester II. Evaluation will be conducted in Semester II.

# MASTER OF BUSINESS ADMINISTRATION (MBA)

**(REVISED SPRING 2010)**

**http://www.smude.edu.in/MBA**

FINANCE | MARKETING | HUMAN RESOURCE | INFORMATION SYSTEMS | BANKING

RETAIL OPERATIONS | OPERATIONS | PROJECT | TQM | HEALTHCARE SERVICES

Program Structure

| Sub. Code | Subject Title | Credits |
|---|---|---|
| First Semester | | |
| MB0038 | Management Process and Organizational Behavior | 4 |
| MB0039 | Business Communication | 4 |
| MB0040 | Statistics for Management | 4 |
| MB0041 | Financial and Management Accounting | 4 |
| MB0042 | Managerial Economics | 4 |
| MB0043 | Human Resource Management | 4 |
| | Total Cumulative Credits | 24 |
| Second Semester | | |
| MB0044 | Production and Operations Management | 4 |
| MB0045 | Financial Management | 4 |
| MB0046 | Marketing Management | 4 |
| MB0047 | Management Information System | 4 |
| MB0048 | Operations Research | 4 |
| MB0049 | Project Management | 4 |
| | Total Cumulative Credits | 48 |
| Third Semester Core Subjects + Specialization Subjects | | |
| MB0050 | Research Methodology | 4 |
| MB0051 | Legal Aspects of Business | 4 |
| | 4 Subjects in area of Specialization (4 credits each) | 16 |
| | Project* | |
| | Total Cumulative Credits | 72 |
| Fourth Semester Core Subjects + Specialization Subjects | | |
| MB0052 | Strategic Management and Business Policy | 4 |
| MB0053 | International Business Management | 4 |
| | 4 Subjects in area of Specialization (4 credits each) | 16 |
| | Project* | 4 |
| | Total Cumulative Credits | 100 |

**Eligibility:** 3 year Graduation
**Semester Fee:** Rs.12,500/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.
**Minimum duration:** 2 years (4 semesters)
**Maximum duration:** 4 years
**Counseling and Practical duration at the Learning Centre:** 180 hrs/semester
**Note**:Students are required to take six subjects in each of the first two semesters. In each of the third and fourth semesters, there will be two compulsory papers and four papers of the specialization selected by the student. There will also be a project in the area of specialization. The specialization should be selected by the student while reregistering for the third semester. Students will be permitted only one specialization.

*The Project will be done in the area of specialization and should be a live project on an ongoing problem faced by an organization, under a company guide. It will commence in Semester 3 and will be completed in Semester 4. Evaluation will be conducted in Semester 4.

### Marketing Management

| Third Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MK0010 | Sales Distribution and Supply Chain Management | 4 |
| MK0011 | Consumer Behavior | 4 |
| MK0012 | Retail Marketing | 4 |
| MK0013 | Marketing Research | 4 |
| MK0014 | Project* | |
| Fourth Semester | | |
| MK0015 | Services Marketing and Customer Relationship Management | 4 |
| MK0016 | Advertising Management & Sales Promotion | 4 |
| MK0017 | e-Marketing | 4 |
| MK0018 | International Marketing | 4 |
| MK0014 | Project* | 4 |

### Information Systems Management

| Third Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MI0033 | Software Engineering | 4 |
| MI0034 | Database Management Systems (DBMS) | 4 |
| MI0035 | Computer Networks | 4 |
| MI0036 | Business Intelligence & Tools | 4 |
| MI0037 | Project* | |
| Fourth Semester | | |
| MI0038 | Enterprises Resource Planning (ERP) | 4 |
| MI0039 | e-Commerce | 4 |
| MI0040 | Technology Management | 4 |
| MI0041 | Java and Web Design | 4 |
| MI0037 | Project* | 4 |

### Banking Management

| Third Semester | | |
|---|---|---|
| Sub Code | Subject Title | Credits |
| MA0036 | Financial System & Commercial Banking | 4 |
| MA0037 | Banking Related Laws & Practices | 4 |
| MA0038 | Banking Operations | 4 |
| MA0039 | Retail Banking | 4 |
| MA0040 | Project* | |
| Fourth Semester | | |
| MA0041 | Merchant Banking & Financial Services | 4 |
| MA0042 | Treasury Management | 4 |
| MA0043 | Corporate Banking | 4 |
| MA0044 | Institutional Banking | 4 |
| MA0040 | Project* | 4 |

### Retail Operations Management

| Third Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| ML0010 | Warehousing & Supply Chain Management | 4 |
| ML0011 | Buying & Merchandising | 4 |
| ML0012 | Store Operations | 4 |
| ML0013 | Retail IT Management | 4 |
| ML0014 | Project* | |
| Fourth Semester | | |
| ML0015 | Service Marketing and Customer Relationship Management | 4 |
| ML0016 | Advertising Management & Sales Promotion | 4 |
| ML0017 | Mall Management | 4 |
| ML0018 | Project Management in Retail | 4 |
| ML0014 | Project* | 4 |

### Operations Management

| Third Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| OM0010 | Operations Management | 4 |
| OM0011 | Enterprises Resource Planning | 4 |
| OM0012 | Supply Chain Management | 4 |
| OM0013 | Advanced Production and Operations Management | 4 |
| OM0014 | Project* | |
| Fourth Semester | | |
| OM0015 | Maintenance Management | 4 |
| OM0016 | Quality Management | 4 |
| OM0017 | Advanced Production Planning and Control | 4 |
| OM0018 | Technology Management | 4 |
| OM0014 | Project* | 4 |

### Project Management

| Third Semester | | |
|---|---|---|
| Sub Code | Subject Title | Credits |
| PM0010 | Introduction to Project Management | 4 |
| PM0011 | Project Planning and Scheduling | 4 |
| PM0012 | Project Finance and Budgeting | 4 |
| PM0013 | Managing Human Resources in Projects | 4 |
| PM0014 | Project* | |
| Fourth Semester | | |
| PM0015 | Quantitative Methods in Project Management | 4 |
| PM0016 | Project Risk Management | 4 |
| PM0017 | Project Quality Management | 4 |
| PM0018 | Contracts Management in Projects | 4 |
| PM0014 | Project* | 4 |

*The Project will be done in the area of specialization and should be a live project on an ongoing problem faced by an organization, under a company guide. It will commence in Semester 3 and will be completed in Semester 4. Evaluation will be conducted in Semester 4.

# MASTER OF BUSINESS ADMINISTRATION (MBA)

**(REVISED SPRING 2010)**

**http://www.smude.edu.in/MBA**

### Total Quality Management

| Third Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| QM0010 | Foundation of Quality Management | 4 |
| QM0011 | Principles and Philosophies of Quality Management | 4 |
| QM0012 | Statistical Process Control and Process Capability | 4 |
| QM0013 | Quality Management Tools | 4 |
| QM0014 | Project* | |
| **Fourth Semester** | | |
| QM0015 | ISO / QS 9000 Elements | 4 |
| QM0016 | Managing Quality in the Organization | 4 |
| QM0017 | Quality Management Systems | 4 |
| QM0018 | Quality Development Methods | 4 |
| QM0014 | Project* | 4 |

### Human Resource Management

| Third Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MU0010 | Manpower Planning and Resourcing | 4 |
| MU0011 | Management & Organizational Development | 4 |
| MU0012 | Employee Relations Management | 4 |
| MU0013 | HR Audit | 4 |
| MU0014 | Project* | |
| **Fourth Semester** | | |
| MU0015 | Compensation Benefits | 4 |
| MU0016 | Performance Management & Appraisal | 4 |
| MU0017 | Talent Management & Employee Retention | 4 |
| MU0018 | Change Management | 4 |
| MU0014 | Project* | 4 |

### Healthcare Services Management

| Third Semester | | |
|---|---|---|
| Sub Code | Subject Title | Credits |
| MH0051 | Health Administration | 4 |
| MH0052 | Hospital Organization, Operations and Planning | 4 |
| MH0053 | Hospital & Healthcare Information Management | 4 |
| MH0054 | Finance, Economics and Planning in Healthcare Services | 4 |
| MH0055 | Project* | 4 |
| **Fourth Semester** | | |
| MH0056 | Public Relations and Marketing for Healthcare Organization | 4 |
| MH0057 | Management of Healthcare Human Resources | 4 |
| MH0058 | Legal Aspects in Healthcare Administration | 4 |
| MH0059 | Quality Management in Healthcare Services | 4 |
| MH0055 | Project* | 4 |

### Finance Management

| Third Semester | | |
|---|---|---|
| Sub Code | Subject Title | Credits |
| MF0010 | Security Analysis & Portfolio Management | 4 |
| MF0011 | Mergers & Acquisitions | 4 |
| MF0012 | Taxation Management | 4 |
| MF0013 | Internal Audit & Control | 4 |
| MF0014 | Project* | |
| **Fourth Semester** | | |
| MF0015 | International Financial Management | 4 |
| MF0016 | Treasury Management | 4 |
| MF0017 | Merchant Banking & Financial Services | 4 |
| MF0018 | Insurance and Risk Management | 4 |
| MF0014 | Project* | 4 |

**The MBA that I did from SMU-DE has helped me a lot in my career. The study materials are excellent and the online library also helped me a lot in my studies.**

**Tasaduq Rehman Bhat**
MBA- Finance, Student

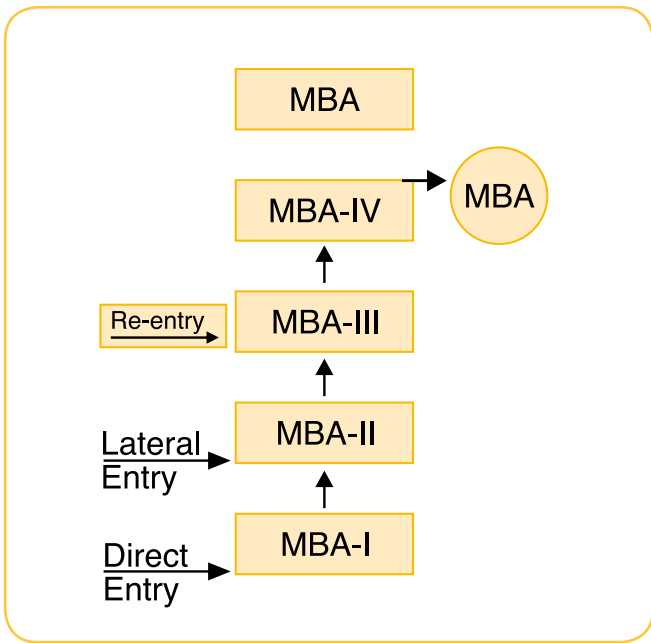
*The Project will be done in the area of specialization and should be a live project on an ongoing problem faced by an organization, under a company guide. It will commence in Semester 3 and will be completed in Semester 4. Evaluation will be conducted in Semester 4.

# MASTER OF BUSINESS ADMINISTRATION (MBA)

**(REVISED SPRING 2010)**

**http://www.smude.edu.in/MBA**

**Provision for Lateral entry and Re-entry**




**Provision for lateral entry to second semester of MBA:**

**Eligibility:**

- BBA / BBM from a recognized University **OR**
- 3-year Graduation with PGDBA from AICTE recognized institution **OR**
- 3-year Graduation with 6 month Management Diploma from an institution and minimum 1 year managerial / supervisory experience in reputed organization thereafter **OR**
- 3-year Graduation and minimum 3 year managerial/ supervisory experience in a reputed organization thereafter **OR**
- For candidates opting Health Care Services specialisation: MBBS / BDS / B.PHARM / BHMS / BAMS / BUMS / BSSM / BVSc / 4 year graduation in Allied Health Science / Life Science graduates from a recognized University

**Additional Fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by students opting for this scheme.

**Note:** In this lateral entry scheme, students have to appear and pass the first semester examination. Books of first semester will be supplied by the University and internal assessment will be completed at the Learning Centre.

**Provision for Re-entry into third semester of MBA:**

**Eligibility:** PGDBA of SMU (Revised Fall 2007 onwards)

**Semester Fee:** Rs.12,500/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.

**Minimum duration:** 1 year (2 semesters)

**Maximum duration:** 2 years

**I am extremely happy with the kind of education that SMU-DE is providing. The course materials are helpful and involve a lot of case studies. Scholarships are also offered to the students which is of great help to them.**

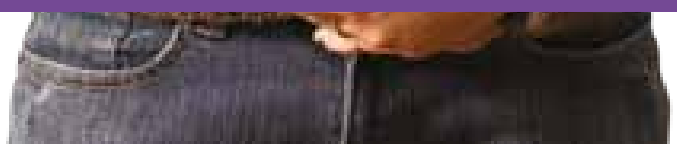
**Astha Bhandari,**
MBA - Marketing, Student

# Notes

# VOCATIONAL SCIENCE

"A degree in fashion design helped me design my career too!"

BAJM..... 99
DFDI..... 100
BScAFD..... 101
MAJM ..... 103

http://www.smude.edu.in/fashion/demo/

# SCOPE

## Career opportunities

### BAJM / MAJM

- Media Correspondent
- Investigative Reporter
- Photo-journalist
- Copy Editor
- TV Anchor

### BSc (AFD)

- Designer or Freelancer
- Fashion Advisor
- Quality Assurer
- Production Manager
- Merchandiser

## Companies where our students work

### MAJM

- Abc Foundation
- Adfactors Advertising
- Golden Glory
- Hislop College
- Imak News & Entertainment Pvt. Ltd.

### BAJM

- A4 Creations Pvt. Ltd.
- Climb Media Pvt. Ltd. 2nz Animation Co.
- Ge Money Servicing
- H C L Tech BPO Ltd.

### BSc (AFD)

- Indian Institute of Fashion Technology
- Prateek Apparels Pvt. Ltd.
- Raymond Apparel Ltd.
- SGS India Pvt. Ltd.

# BACHELOR OF ARTS IN JOURNALISM AND MASS COMMUNICATION (BAJM)

**(REVISED FALL 2009)**

**http://www.smude.edu.in/BAJM**



Programe Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| BJ0028 | Fundamentals of Communication Skills | 2 |
| BJ0029 | Fundamentals of Computers | 2 |
| BJ0030 | English Literature I | 4 |
| BJ0031 | Reporting – Theory | 2 |
| BJ0032 | Reporting – Practical | 2 |
| BJ0033 | Fundamentals of Journalism | 4 |
| | Total Cumulative Credits | 16 |
| **Second Semester** | | |
| BJ0034 | Writing for Media – Theory | 2 |
| BJ0035 | Writing for Media – Practical | 2 |
| BJ0036 | Editing – Theory | 2 |
| BJ0037 | Editing – Practical | 2 |
| BJ0038 | English Literature II | 4 |
| BJ0039 | Introduction to Indian Constitution | 2 |
| BJ0040 | History of Media | 2 |
| | Total Cumulative Credits | 32 |
| **Third Semester** | | |
| BJ0041 | Radio Broadcasting – Theory | 2 |
| BJ0042 | Radio Broadcasting – Practical | 2 |
| BJ0043 | TV Broadcasting – Theory | 2 |
| BJ0044 | TV Broadcasting – Practical | 2 |
| BJ0045 | Photojournalism – Theory | 2 |
| BJ0046 | Photojournalism – Practical | 2 |
| BJ0047 | Introduction to Cinema | 2 |
| | Total Cumulative Credits | 48 |

| Fourth Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| BJ0048 | Advertising – Theory | 2 |
| BJ0049 | Advertising – Practical | 2 |
| BJ0050 | Public Relations - Theory | 2 |
| BJ0051 | Public Relations – Practical | 2 |
| BJ0052 | Magazine Journalism – Theory | 2 |
| BJ0053 | Magazine Journalism – Practical | 2 |
| BJ0054 | Internet & News Media – Theory | 2 |
| BJ0055 | Internet & News Media – Practical | 2 |
| | Total Cumulative Credits | 64 |
| **Fifth Semester** | | |
| BJ0056 | Environment & Media | 4 |
| BJ0057 | Media, Society and Development | 4 |
| BJ0058 | Media Criticism | 4 |
| BJ0059 | Basic Media Research | 4 |
| | Total Cumulative Credits | 80 |
| **Sixth Semester** | | |
| BJ0060 | Information Society | 4 |
| BJ0061 | Organizational Behavior & Media Organization | 4 |
| BJ0062 | Media Law & Ethics | 2 |
| BJ0063 | Human Rights & Media | 2 |
| BJ0064 | Project | 4 |
| | Total Cumulative Credits | 96 |

**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education

**Semester Fee:** Rs.9,950/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time

**Minimum duration:** 3 years (6 semesters)

**Maximum duration:** 6 years

**Counseling and Practical Duration at the Learning Centre:** 160 hrs/semester

**My degree from SMU-DE has helped me learn different styles of writing and has provided a successful base for writing. This has helped me in my career tremendously. Now I am a freelancer. I write different type of essays for Essaywriters.net**

**Meenakshi K Rao**

BAJM, Freelancer, Essaywriters.net

# DIPLOMA IN FASHION DESIGN AND ILLUSTRATION

**(REVISED FALL 2010)**

**http://www.smude.edu.in/DFDI**

Programe Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| CB0001 | Fundamentals of Fashion Design | 2 |
| CB0003 | Principles and Elements of Design - Theory | 2 |
| CB0004 | Principles and Elements of Design - Practical | 2 |
| CB0012 | Fashion illustration - Theory | 2 |
| CB0013 | Fashion illustration - Practical | 2 |
| CB0014 | Pattern Making Through Drafting and Flat Pattern Technique - Theory | 2 |
| CB0015 | Pattern Making Through Drafting and Flat Pattern Technique - Practical | 2 |
| CB0016 | Garment Construction - Practical | 4 |
| | Total Cumulative Credits | 20 |
| Second Semester | | |
| CB2701 | Advanced Fashion illustration - Practical | 2 |
| CB2702 | Fashion Presentation | 4 |
| CB2703 | Graphic Design - Theory | 2 |
| CB2704 | Graphic Design - Practical | 2 |
| CB2705 | Accessory Design | 2 |
| CB2706 | Fashion Merchandising | 4 |
| | Total Cumulative Credits | 36 |

**Eligibility:**

- 10 + 2 or equivalent

**Semester Fees:** Rs. 12,450/- (inclusive of Examination Fees of Rs. 800/- and Alumni Fees: Rs. 100/-) or as revised from time to time

**Minimum duration:** 1 year

**Maximum duration:** 2 years

**Counseling and Practical duration at Learning Centre:** 180 hours / semester

*This program is availabe only at select Learning Centres.

# BACHELOR OF SCIENCE IN APPAREL AND FASHION DESIGN B.Sc (AFD)

**(REVISED FALL 2009)**

**http://www.smude.edu.in/BScAFD**

Programe Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| CB 0001 | Fundamentals of Fashion Design | 4 |
| CB 0002 | History of Costumes | 4 |
| CB 0003 | Principles and Elements of Design – Theory | 2 |
| CB 0004 | Principles and Elements of Design – Practical | 2 |
| CB 0005 | Fundamentals of Computers | 2 |
| CB 0006 | Fashion Communication | 2 |
| | Total Cumulative Credits | 16 |
| Second Semester | | |
| CB 0007 | Fundamentals of Textile Fibers and Yarns | 4 |
| CB 0008 | Introduction to Pattern Making and Stitching – Theory | 2 |
| CB 0009 | Introduction to Pattern Making and Stitching - Practical I | 2 |
| CB 0010 | Introduction to Pattern Making and Stitching - Practical II | 2 |
| CB 0011 | Introduction to Pattern Making and Stitching - Practical III | 2 |
| CB 0012 | Fashion Illustration – Theory | 2 |
| CB 0013 | Fashion Illustration – Practical | 2 |
| | Total Cumulative Credits | 32 |
| Third Semester | | |
| CB 0014 | Pattern Making through Drafting and Flat Pattern Technique - Theory | 2 |
| CB 0015 | Pattern Making through Drafting and Flat Pattern Technique - Practical | 2 |
| CB 0016 | Garment Construction – Practical | 4 |
| CB 0017 | Pattern Making through Draping - Practical | 2 |
| CB 0018 | Fabric Formation and Processing | 4 |
| CB 1901 | Indian Constitution # | 2 |
| CB 1902 | Customer Relationship Management @ | 2 |
| | Total Cumulative Credits | 48 |
| Fourth Semester | | |
| CB 0020 | Surface Ornamentation – Theory | 2 |
| CB 0021 | Surface Ornamentation – Practical | 2 |
| CB 0022 | Import and Export | 4 |
| CB 0023 | Financial and Management Accounting | 4 |
| CB 0024 | Concept of e-commerce | 4 |
| | Total Cumulative Credits | 64 |

@ Not applicable to students in India
# Not applicable to students abroad (overseas)

| Fifth Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| Elective I | Quality Control | 16 |
| Elective II | Pattern Making/ Cutting | 16 |
| Elective III | Fashion Design and Illustration | 16 |
| Elective IV | Apparel and Fashion Merchandising | 16 |
| | Total Cumulative Credits | 80 |
| Sixth Semester | | |
| CB 2501 | Total Quality Control * | 4 |
| CB 2706 | Fashion Merchandising** | 4 |
| CB 0029 | Computer Aided Designing: Apparel Industry – Theory | 2 |
| CB 0030 | Computer Aided Designing: Apparel Industry – Practical | 2 |
| CB 0031 | Fashion Marketing and Advertising | 4 |
| CB 0032 | Environmental Studies | 2 |
| CB 0033 | Entrepreneurship Development | 2 |
| | Total Cumulative Credits | 96 |

* Applicable for Electives III and IV ** Applicable for Electives I and II

**Eligibility:** 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education

**Semester Fee:** Rs.12,450/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time

**Minimum Duration:** 3 years (6 semesters)
**Maximum Duration:** 6 years

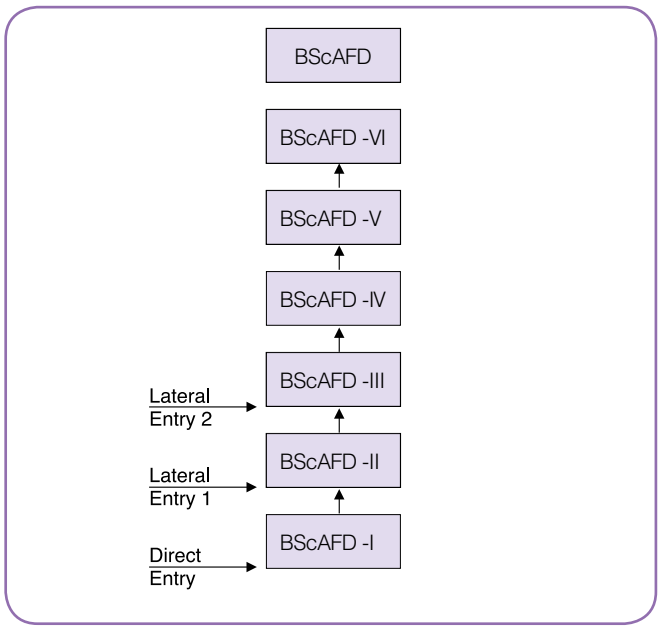
**Counseling and Practical Duration at the Learning Centre:** 160 hrs/semester

## BACHELOR OF SCIENCE IN APPAREL AND FASHION DESIGN B.Sc (AFD)

**(REVISED FALL 2009)**

**http://www.smude.edu.in/BScAFD**

**Provision for Lateral entry options**




**Provision for Lateral Entry to Second Semester of BScAFD:**

**Eligibility:** 10+2 and 6 months of Fashion Designing Program.

**Additional fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by students opting for this scheme

**Note:** In this lateral entry scheme, students have to appear and pass the first semester examination. Books of first semester will be supplied by the University and internal assessment will be completed at the Learning Centres.

**Provision for Lateral Entry to Third Semester of BScAFD:**

**Eligibility:** 10+2 / Equivalent and 2 year Diploma in Fashion Design from any Institute of Fashion Design duly recognised by AICTE.

| Elective I | Quality Control | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| CB 2501 | Total Quality Control | 4 |
| CB 2502 | Apparel Production Process | 4 |
| CB 2503 | Production Management | 4 |
| CB 2504 | Internship | 4 |
| Elective II | Pattern Making/ Cutting | |
| CB 2502 | Apparel Production Process | 4 |
| CB 2601 | Industrial Pattern Making and Sewing | 2 |
| CB 2602 | Pattern Grading | 2 |
| CB 2603 | Quality Control – Pattern Making/ Cutting | 4 |
| CB 2604 | Internship | 4 |
| Elective III | Fashion Design and Illustration | |
| CB 2701 | Advanced Fashion Illustration – Practical | 2 |
| CB 2702 | Fashion Presentation | 4 |
| CB 2703 | Graphic Design – Theory | 2 |
| CB 2704 | Graphic Design – Practical | 2 |
| CB 2705 | Accessory Design | 2 |
| CB 2706 | Fashion Merchandising | 4 |
| Elective IV | Apparel and Fashion Merchandising | |
| CB 2502 | Apparel Production Process | 4 |
| CB 2706 | Fashion Merchandising | 4 |
| CB 2801 | Retail Merchandising and Management | 4 |
| CB 2802 | Internship | 4 |

**Additional fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by students opting for this scheme.

**Note:** In this lateral entry scheme, students have to appear and pass the second semester examination. Books of second semester will be supplied by the University and internal assessment will be completed at the Learning Centre.

**I am extremely lucky that I choose to do BScAFD from SMU-DE as the course structure is really good. Most of the people whom I work with are also interested to take up the course after going through the course content.**

**Mr. Yogesh,**
BScAFD, Maison Couture

# MASTER OF ARTS IN JOURNALISM AND MASS COMMUNICATION (MAJM)

http://www.smude.edu.in/MAJM

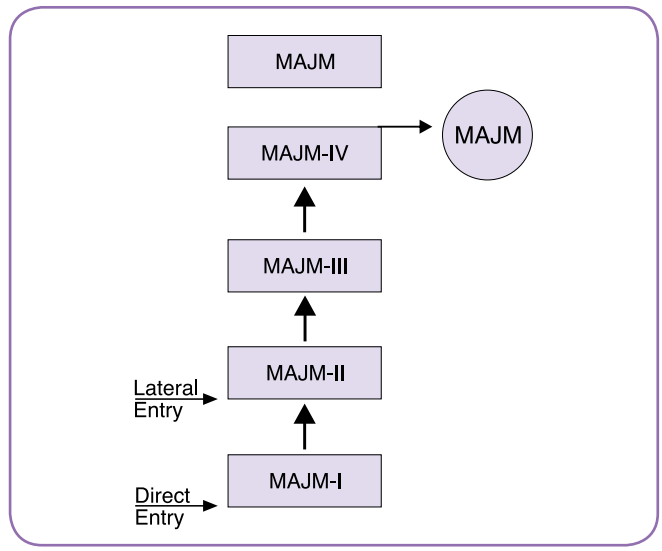


Programe Structure

| First Semester | | |
|---|---|---|
| Sub. Code | Subject Title | Credits |
| MJ0001 | Internet and Media | 2 |
| MJ0002 | Computer Fundamentals | 2 |
| MJ0003 | Mass Communication | 4 |
| MJ0004 | Reporting and Editing | 4 |
| MJ0005 | Media Laws and Ethics | 4 |
| | Total Cumulative Credits | 16 |
| Second Semester | | |
| MJ0006 | Radio and Television for Communication | 2 |
| MJ0007 | Computer Applications in Mass Communication | 2 |
| MJ0008 | Television News | 4 |
| MJ0009 | Media Organization and Management | 4 |
| MJ0010 | Communication Research | 4 |
| | Total Cumulative Credits | 32 |
| Third Semester | | |
| MJ0011 | News Critics | 4 |
| MJ0012 | Photography and Videography | 4 |
| MJ0013 | Interviews for Print, Radio and Television | 4 |
| MJ0014 | Online Journalism | 4 |
| | Total Cumulative Credits | 48 |
| Fourth Semester | | |
| MJ0015 | Master Thesis | 4 |
| MJ0016 | Elective * | 12 |
| | Total Cumulative Credits | 64 |
| *Elective (Choose any one Group) | | |
| Group 1 | | |
| MJ1601 | Organizational Communication | 4 credits |
| MJI602 | Advertising and Public Relations | 4 credits |
| MJI603 | Event Management and Reporting | 4 credits |
| Group 2 | | |
| MJ1604 | Television Studies | 4 credits |
| MJI605 | Television Production | 4 credits |
| MJI606 | Television Management and its Policy | 4 credits |

**Eligibility:** 3 year Graduation
**Semester Fee:** Rs.11,200/- per semester (inclusive of Exam Fee Rs.800/- & Alumni Fee Rs.100/-) or as revised from time to time.
**Minimum duration:** 2 years (4 semesters)
**Maximum duration:** 4 years
**Counseling and Practical Duration at the Learning Centre:** 160 hrs/semester

**Provision for lateral entry**




**Provision for lateral entry to second semester of MAJM:**

**Eligibility**:

- BAJM from a recognized University **OR**
- 3 year Graduation with one year Post Graduate Diploma in Journalism and Mass Communication or 1 year work experience in the field related to Journalism and Mass Communication thereafter.

**Additional fees:** In addition to the normal fees, an additional lateral entry fee of Rs.3,800/- (inclusive of examination fees) is payable by students opting for this scheme.

**Note:** In this lateral entry scheme, students have to appear and pass the first semester examination. Books of first semester will be supplied by the University and internal assessment will be completed at the Learning Centre.

# DISCIPLINES

## Information Technology

| | |
|---|---|
| Diploma | Diploma in Information Technology (DIT)<br>Diploma in Systems and Networking (DSN) |
| Bachelors Degree | Bachelor of Science in Information Technology (BScIT)<br>Bachelor of Computer Applications (BCA)<br>Bachelor of Science in Infrastructure Management System (BScIMS)<br>Bachelor of Science in Network Technology ( BScNT) |
| PG Diploma | PG Diploma in Information Technology (PGDIT)<br>PG Diploma in Computer Applications (PGDCA)<br>PG Diploma in Infrastructure Management System (PGDIMS) |
| Masters Degree | Master of Science in Information Technology (MScIT)<br>Master of Computer Applications (MCA)<br>Master of Science in Computer Science (MScCS) |

## Telecom Technology

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|---|---|
| Masters Degree | Master of Science in Telecom Technology (MScTT) |

## Management

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|---|---|
| Certificate | Certificate in Export and Import Trade (CEIT) |
| Bachelors Degree | Bachelor of Business Administration (BBA)<br>Bachelor of Business Administration in Retail Operations (BBARO) |
| PG Diploma | PG Diploma in Business Administration (PGDBA)<br>PG Diploma in Business Administration Specialization in Finance, Retail Operations, Marketing, Operation Management, Human Resources, Project Management, Information Systems, Total Quality Management, Banking, Healthcare Services |
| Masters Degree | Master of Business Administration (MBA) Specialization in Finance, Retail Operations, Marketing, Operation Management, Human Resources, Project Management, Information Systems, Total Quality Management, Banking, Healthcare Services<br>Master of Business Administration in International Business (MBAIB)<br>Master of Business Administration in Banking and Finance (MBAB&F) |

## Commerce

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|---|---|
| Bachelors Degree | Bachelor of Commerce in Information System (BComIS)<br>Bachelor of Commerce in Financial Planning ( BComFP)<br>Bachelor of Commerce in Supply Chain management (BComSCM)<br>Bachelor of Commerce in Export-Import Management (BComEIM) |

## Journalism and Mass Communication

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|---|---|
| Bachelors Degree | Bachelor of Arts in Journalism and Mass Communication (BAJM) |
| Masters Degree | Master of Arts in Journalism and Mass Communication (MAJM) |

## Apparel and Fashion Design

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|---|---|
| Diploma | Diploma in Fashion Design and Illustration (DFDI) |
| Bachelors Degree | Bachelor of Science in Apparel and Fashion Design (BScAFD) |

## Hospitality and Tourism

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|---|---|
| Diploma | Diploma in Hospitality and Catering Management (DHCM)<br>Advanced Diploma in Hospitality and Catering Management (ADHCM) |
| Bachelors Degree | Bachelor of Science in Hospitality and Catering Management (BScHCM) |
| PG Diploma | Post Graduate Diploma in Travel and Tourism Management (PGDTTM) |

## Safety and Fire

| | |
|---|---|
| Diploma | Diploma in Safety and Fire (DSF)<br>Advanced Diploma in Safety and Fire (ADSF) |
| Bachelors Degree | Bachelor of Science in Safety and Fire Management (BScSFM) |

## Allied Health Sciences

| | |
|---|---|
| Diploma | Diploma in Health Information Administration (DHIA)<br>Diploma in Medical Laboratory Technology (DMLT)<br>Diploma in Medical Imaging Technology (DMIT) |
| Bachelors Degree | Bachelor of Science in Health Information Administration (BScHIA)<br>Bachelor of Science in Medical Imaging Technology (BScMIT)<br>Bachelor of Science in Medical Laboratory Technology (BScMLT) |
| PG Diploma | PG Diploma in Health Care Services Management (PGDHSM)<br>Post Graduate Diploma in Clinical Research and Regulatory Affairs (PGDCRRA) |
| Masters Degree | Master of Business Administration in Health Care Services (MBAHCS)<br>Master of Science in Clinical Research and Regulatory Affairs (MScCRRA) |

## Biotechnology and Bioinformatics

| | |
|---|---|
| Bachelors Degree | Bachelor of Science in Applied Biotechnology (BScBT) |
| PG Diploma | PG Diploma in Bioinformatics (PGDBI) |
| Masters Degree | Master of Science in Bioinformatics (MScBI)<br>Master of Science in Biotechnology (MScBT) |

## Ecology and Environmental Science

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|---|---|
| Masters Degree | Master of Science in Ecology and Environment (MScEE)<br>Master of Science in Disaster Mitigation (MScDM)<br>Master of Science in Sustainable Development (MScSD)<br>Master of Science in Total Quality Management (MScTQM)<br>Master of Science in Geo-Informatics (MScGI)<br>Master of Science in Eco-Tourism (MScET)<br>Master of Science in Pollution Control (MScPC) |

# Notes

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# CONTACT DETAILS

**CALENDAR OF EVENTS:**

Students are required to visit the web site or the Learning centre for a detailed calendar of events pertaining to Admissions, Internal Assessment & Final Examination.

**Please contact us for further details:**

**Dean**
Directorate of Distance Education
Sikkim Manipal University
Manipal Towers,
14, Old Airport Road, HAL II Stage,
Bangalore- 560008.
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**Fax -** 0820 -2571959
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256,Ground Floor, Okhla Industrial Estate,
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New Delhi - 110020.
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Bangalore- 560008
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**Fax -** 080-40789434
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**e-mail:** dewest@manipalu.com

**SMU-DE HELP DESK : 0820-4297101, 4297111**
smuhelpdesk@smudde.edu.in

**Sikkim Manipal University**
Directorate of Distance Education

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**For more information:**
**Call us at 080 65590094**
**or sms "SMUDE" <your name>**
**to 5607002.**

**Cost of prospectus – Rs 75 only**
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