

MERIT | QUALITY | EXCELLENCE



Student Handbook 2020-21



SUKKUR IBA UNIVERSITY

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Preface

We would like to welcome you to be the part of Sukkur IBA University community. We congratulate you and your parents on your admission to the Sukkur IBA University. We are happy that you have joined the most prestigious and well reputed Institute of Sindh and Pakistan. Sukkur IBA University believes on Merit, Quality and Excellence and ranked as top five Best Business Institutes of Pakistan by Higher Education Commission (HEC) within a short span. Sukkur IBA University Universities aims and objectives are to produce world class graduate who can globally compete, posse's high ethical values and work for the betterment of society. This handbook is prepared to acquaint the students with rules, policies and services provided by different departments of the University. It provides guidelines to students for handling their academic, hostel, Transport and other routine matters efficiently. The information and instructions written in this handbook are subject to change and may be updated time to time without any prior notice.

For any suggestion, clarification on the document, please contact to the office of Registrar or email: admission@iba-suk.edu.pk

We wish you best of luck and rewarding experience here at Sukkur IBA University.

**Management of
Sukkur IBA University**

Vision

“To become a world class university in the fields of Management Sciences, Information Technology, Engineering, Education and Mathematics”

Mission Statement

The mission of Sukkur IBA University is to contribute and serve community by imparting knowledge through innovative teaching and applied research at the global levels of excellence. We aim to establish and sustain a competitive meritorious environment by strengthening faculty and using state-of-the-art technology to produce graduates with analytical & creative thinking, leadership skills and entrepreneurial spirit, who possess global outlook and are conscious of ethical values.

Aims and Objectives:

- * To produce world-class graduates who possess not only knowledge but also equipped with practical skills, research capabilities and critical thinking.
- * To inculcate ethical thinking in graduates.
- * To prepare them to work for the betterment of society.
- * To prepare the graduates who can work in global context.

Authorities of the University:

Name & Designation	Role on Syndicate	Status as per ACT
Prof. Dr. Syed Mir Muhammad Shah	Chairperson	the Vice Chancellor who shall be its Chairperson
Mr. Muhammad Ismail Rahoo Minister (Universities and Boards)	Member	the Pro-Vice Chancellor, if appointed, to the extent of the matters relevant to the concerned campus
Syed Farukh A. Shah	Member	one member of the Provincial Assembly to be nominated by the Speaker of Provincial Assembly
To be elected	Member	two members of the Senate elected by the Senate
To be nominated	Member	a judge of the High Court nominated by the Chief Justice
Secretary Education	Member	the Secretary to the Government of Sindh of Relevant Department or his nominee not below the level of Additional Secretary
To be nominated	Member	One Nominee of Higher Education Commission of Pakistan
Dr. Mansoor Abbas Rizvi	Member	the Secretary to the Government of Sindh, Universities and Boards Department or his nominee not below level of Additional Secretary
To be nominated	Member	the Chairperson Sindh Higher Education Commission or his nominee not below the rank of whole-time member of the Commission
To be nominated	Member	one Dean of the University to be nominated by the Vice Chancellor

Prof. Dr. Niaz Hussain Ghumro	Member	one Professor to be elected by the Professors of the University from amongst themselves
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Dr. Saeed A. Khan	Member	One Associate Professor to be elected by the Associate Professors of the University from amongst themselves
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Dr. Sarfraz Ahmed Dakhan	Member	One Assistant Professor to be elected by the Associate Professors of the University from amongst themselves
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Mr. Rashid Ali Abbasi	Member	One Lecturer with minimum service of two years to be elected by the Lecturers of the University from amongst themselves
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a. Prince Hassan Ali Khan b. Prof. Dr. Bawani Shankar Choudry c. Prof. Dr. Ghulam Raza Bhatti	Member	three persons of eminence to be nominated by the Chief Minister
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To be nominated	Member	One Principal of an affiliated Colleges. If any and the principals of the consistent colleges to the extent of matters relevant to the concerned constituent college to be nominated by the Vice Chancellor
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a. Moulvi Nazeer Ahmed b. Dr. Neelofar Shaikh	Member	One Alim and one woman not serving in any educational institute to be nominated by the Chief Minister
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Engr. M. Hafeez Tunio	Member	one University officer of administration side to be elected from amongst all administrative officer
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Dr. Zahid Hussain Khand	Member	Registrar
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Admission Policy and Procedure at Sukkur IBA University

Admission Overview:

Sukkur IBA University believes on Merit, Quality and Excellence and ranked among top five best Business Institutes of Pakistan by Higher Education Commission (HEC). Sukkur IBA University has never compromised quality in its standard of student intake. Sukkur IBA University Universities aims and objectives are to produce world class graduate who can globally compete, posse's high ethical values and work for the betterment of society. The challenge has been to continue the emphasis on:

- Quality education at an affordable cost
- Association with reputed national and foreign institutions and industries.
- Raises the standard of education through a unique foundation semester
- To produce world class graduates who possess not only knowledge but also be equipped with practical skills and research capabilities and critical thinking.

The admission policy and procedure acquaints the students with rules, policies and services provided by different departments of the University. It provides guidelines to students to know the different programs offered their eligibility criteria and registration and enrollment process.

Programs offered and eligibility criteria:

Department of Business Administration		
S.No	Programs	Eligibility Criteria / Admission Criteria
1	BBA	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
2	BBA in Agri-business	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
3	BS-Accounting & Finance	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
	BS-Economics	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).

4	MBA (2 years)	Candidate must have 16 years of education in any field from HEC recognized University/Institution with minimum 60% marks or 2.2 CGPA secured in annual examination
5	MS Management Science	Candidate must have 16 years of education in relevant field with at least first division or 2.2 CGPA secured in annual examination from any HEC recognized university/Institution. Candidate should have either cleared GAT-General with atleast 50% marks or appear in SIBA Graduate Test-General to secure admission.
6	PhD Management Science	Candidate must have 18 years of education with research thesis in relevant field with minimum 70% marks or 3.0 CGPA secured in annual examination from any HEC recognized University/Institution. Candidate should have either cleared GAT-General with atleast 60% marks or appear in SIBA Graduate Test-General to secure admission.

Department of Computer Science

S.No	Programs	Eligibility Criteria / Admission Criteria
1	BS (Computer Science)	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
2	BS (Software Engineering)	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
3	BS (Artificial Intelligence)	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
4	MS (Computer Science) MS (Software Engineering) MS (Artificial Intelligence)	Candidate must have 16 years of education in relevant field with at least first division or 2.2 CGPA secured in annual examination from any HEC recognized university/Institution. Candidate should have either cleared GAT-General with atleast 50% marks or appear in SIBA Graduate Test-General to secure admission.
5	PhD (Computer Science)	Candidate must have 18 years of education with research thesis in relevant field with minimum 70% marks or 3.0 CGPA secured in annual examination from any HEC recognized University/Institution. Candidate should have either cleared GAT-General with atleast 60% marks or appear in SIBA Graduate Test-General to secure admission.

Department of Electrical Engineering

S.No	Programs	Eligibility Criteria / Admission Criteria
1	BE Electrical Engineering	Candidate must have Intermediate / F.Sc in Pre-Engineering group or DAE with a minimum of 60% marks passed in annual examination with no supplement and no subject (s) condonation by Board.
3	BE (Energy Systems Engineering)	Candidate must have Intermediate / F.Sc in Pre-Engineering group or DAE with a minimum of 60% marks passed in annual examination with no supplement and no subject (s) condonation by Board.

4	ME-Renewable Energy Systems Engineering	Candidate must have 16 years of education in relevant field with at least first division or 2.2 CGPA secured in annual examination from any HEC recognized university/Institution. Candidate should have either cleared GAT-General with atleast 50% marks or appear in SIBA Graduate Test-General to secure admission.
5	ME-Electrical Engineering Specialization in (Power, Electronic system design, Communication & Signal processing)	Candidate must have 16 years of education in relevant field with at least first division or 2.2 CGPA secured in annual examination from any HEC recognized university/Institution. Candidate should have either cleared GAT-General with atleast 50% marks or appear in SIBA Graduate Test-General to secure admission.
6	PhD(Electrical Engineering)	Candidate must have 18 years of education with research thesis in relevant field with minimum 70% marks or 3.0 CGPA secured in annual examination from any HEC recognized University/Institution. Candidate should have either cleared GAT-General with atleast 60% marks or appear in SIBA Graduate Test-General to secure admission.
Department of Education Management		
S.No	Programs	Eligibility Criteria / Admission Criteria
1	B.Ed (Hons) Elementary	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
2	B.Ed (2.5 Years) Extension Program	Candidate must have Bsc / B.Com or 14 years of education in Science/Math or English with minimum 50% marks in annual examination with no supplementary and no subject(s) condonation by any HEC recognized University/Institution.
3	M.Phil in Education	Candidate must have 16 years of education in any subject with 50% marks, and B.Ed/M.Ed degree with minimum 60% marks or or 2.2 CGPA secured in annual examination from any HEC recognized university/Institution. Candidate should have either cleared GAT-General with atleast 50% marks or appear in SIBA Graduate Test-General to secure admission.
Department of Mathematics		
S.No	Programs	Eligibility Criteria / Admission Criteria
1	BS(Mathematics)	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
2	MS(Mathematics)	Candidate must have 16 years of education in relevant field with at least first division or 2.2 CGPA secured in annual examination from any HEC recognized university/Institution. Candidate should have either cleared GAT-General with atleast 50% marks or appear in SIBA Graduate Test-General to secure admission.
3	PhD(Mathematics)	Candidate must have 18 years of education with research thesis in relevant field with minimum 70% marks or 3.0 CGPA secured in annual examination from any HEC recognized University/Institution. Candidate should have either cleared GAT-General with atleast 60% marks or appear in SIBA Graduate Test-General to secure admission.

Department of Physical Education

S.No	Programs	Eligibility Criteria / Admission Criteria
1	BS (Physical Education)	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).
2	Associate Degree 2 years (Physical Education)	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).

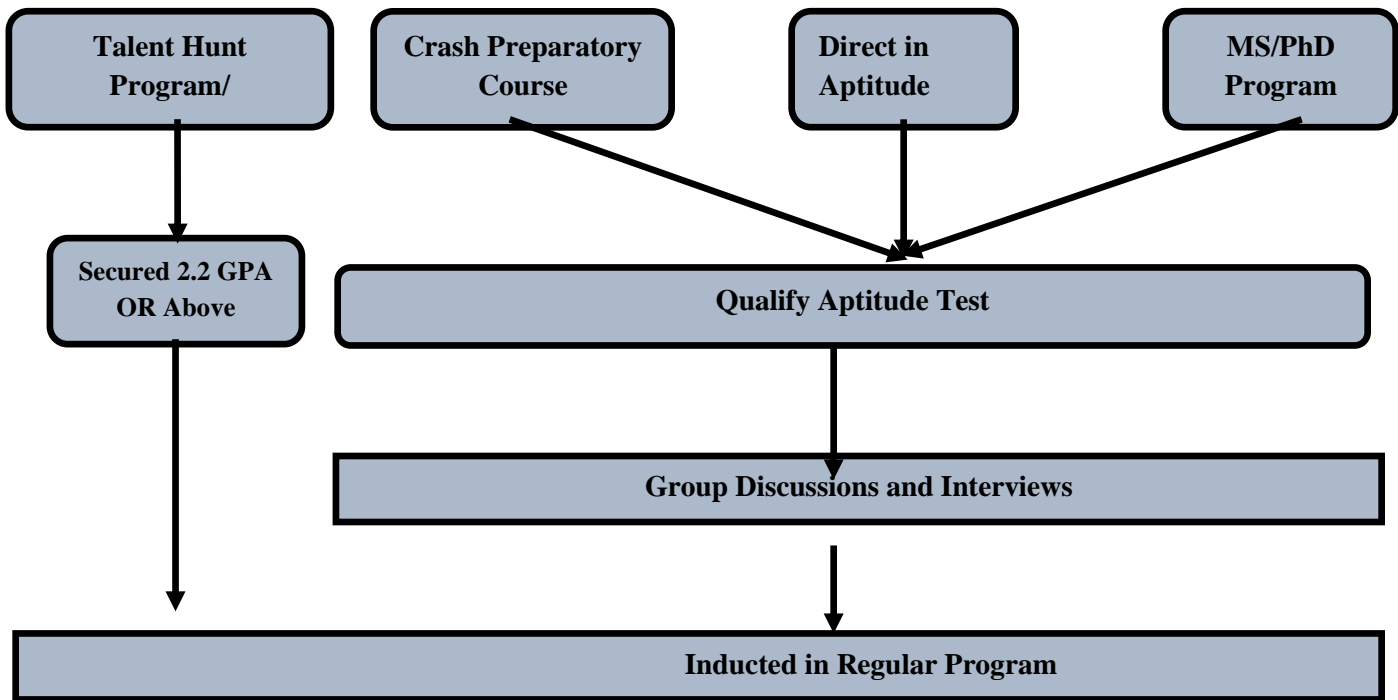
Department of Media Sciences

S.No	Programs	Eligibility Criteria / Admission Criteria
1	BS (Media & Communication)	Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).

Department of Computer System Engineering

S.No	Programs	Eligibility Criteria / Admission Criteria
1	BE (Computer System Engineering)	Candidate must have Intermediate / F.Sc in Pre-Engineering group or DAE with a minimum of 60% marks passed in annual examination with no supplement and no subject (s) condonation by Board.

PATH TO SURE SUCCESS



Admission Procedure:

Aptitude Test, Group Discussion and Interviews:

The aim of the aptitude test is to evaluate candidate's analytical skills, logical reasoning, reading comprehension and grammatical range.

*** Direct appearance in Aptitude Test:**

Admission will be offered to all those who will appear in the aptitude test and qualify Sukkur IBA University objective type test followed by group discussion and interview will make the candidate eligible for admission in any undergraduate program at Sukkur IBA University.

*** Regular / THP Foundation Semester:**

Candidate must appear and qualify Sukkur IBA University objective type test for Foundation Semester, then will be enrolled for six months classes. By Maintaining 2.2 CGPA in foundation semester will make the candidate eligible for admission in any undergraduate program at Sukkur IBA University.

*** Aptitude Test for MBA, MS, M.Phil, ME & PhD Programs at Sukkur IBA University:**

Admission will be offered to all those who will appear in the aptitude test and qualify Sukkur IBA University GAT-General / Subjective test followed by interview will make the candidate eligible for admission in MBA, MS, M.Phil, ME & PhD Programs at Sukkur IBA University.

- ✓ There are no reserved / quota seats for any category at Sukkur IBA University.
- ✓ The cut-off for individual programs in the Aptitude test will be decided by the Admission Committee using meticulous methods based on statistical analysis.

*** Group Discussion and Interview:**

The aim of the group discussion is to evaluate candidates on their academic background, achievement and leadership potential, verbal communication, enthusiasm and appearance.

The interview is a way of evaluating an applicant's level of maturity, motivation, interpersonal skills and career focus. It is one of the criteria used in the selection for admission at Sukkur IBA University.

*** Applicants are required to bring the following original documents, at the time of the interview:**

- ✓ SSC/O' Levels (or equivalent), certificate with a marks sheets
- ✓ HSC/A' Levels (or equivalent), certificate with a marks sheets
- ✓ Graduation marks sheets
- ✓ In case of applicants whose final year result have not been announced; first year marks sheet, showing no shortcomings in any subject must be provided

- ✓ Equivalence certificates must be provided, in case of holder of degree / certificate issued by non Pakistani Universities / Boards.

* **Registration and Enrollment**

Students who have been granted admission to any of the Sukkur IBA University program must submit the following documents to complete the registration and Enrollment process:

- ✓ Graduation degree or marks sheet (if degree is awaited) signed by the university authorities and attested.
- ✓ SSC/O' Levels (or equivalent certificate/marks Sheet plus and attested copy.
- ✓ HSC/A Levels (or equivalent) certificate with Mark sheet.
- ✓ Migration certificate of the university/university's Board.
- ✓ Six copies of recent passport-size photographs.

The students must produce these documents and pay the fees within the time limit

Prescribed by Institute.

DEPARTMENT OF BUSINESS ADMINISTRATION:

Mission Statement:

“Our Business Administration Department brings a global outlook strives to serve community by imparting research-oriented knowledge. We aim to develop and sustain a meritorious culture of continuous improvement that encourages leadership, entrepreneurial capacity, global sustainability, and ethical consciousness in our graduates to flourish and contribute meaningfully to society.”

BBA 04 YEARS PROGRAM

Overall Educational Goals for the BBA:

To equip the students with modern knowledge, understanding and skills required primarily to -

- Contribute significantly while undertaking managerial positions in local and multinational organizations in Pakistan and other countries.
- Initiate and develop successful entrepreneurial ventures.
- Pursue further education (MBA, MS ,and PhD) in Business in good national and foreign universities

GENERIC LEARNING GOALS

Goal 1- Communication Skills

Goal 2-Creative and Problem Solving Skills

Goal 3-Critical and Reflective Thinking skills

Goal 4-Leadership and teamwork abilities

Goal 5- Ethical Reasoning & Knowledge of laws

Goal 6- Technological skills

BUSINESS LEARNING GOALS

Goal 7- Understanding and application of core business concepts

Goal 8- Integrative Skills and Global perspective

Goal 9- Research Skills

Goal 10- Entrepreneurial Skills

Goal 11- Knowledge of Current Business Environment and Issues

Eligibility Criteria for Admission:

Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of ‘C’ grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).

Program Details:

Duration:	04 years
Semesters:	08
Credit Hours:	141
Core Courses	126 Credits
Electives	15 Credits
HEC requirement	124-136 Credits

COURSES OFFERED

Semester-I

Course Code	TITLE	Credit Hours	Pre-Req
ENG-101	Functional English	3+0	
MTS-101	College Algebra	3+0	
SSC-101	Human Behavior	3+0	
SSC-102	Pakistan and Islamic Studies / Ethics	3+0	
ECO-101	Principles of Microeconomics	3+0	
CSC-101	Computer Applications to Business	2+1	

Semester-II

Course Code	TITLE	Credit Hours	Pre-Req
SSC-103	Social Psychology and Self-Development	3+0	
ENG-102	Creative Writing	3+0	
ECO-102	Principles of Macroeconomics	3+0	
MGT-101	Principles of Management	3+0	
ACC-101	Principles of Accounting	3+0	
STS-101	Business Statistics	3+0	

Semester-III

Course Code	TITLE	Credit Hours	Pre-Req
FIN-201	Introduction to Business Finance	3+0	
SSC-201	World History	3+0	
SSC-202	Logic and Methodology	3+0	
MKT-201	Principles of Marketing	3+0	
MTS-201	Business Mathematics	3+0	
ACC-201	Corporate Accounting	3+0	ACC-101

Semester-IV

Course Code	TITLE	Credit Hours	Pre-Req
MGT-201	Organizational Behavior	3+0	MGT-101
ENG-201	Business Communication	3+0	
LAW-201	Company Law	3+0	
MKT-202	Marketing Issues in Pakistan	3+0	MKT-201
MTS-202	Business Calculus	3+0	MTS-101
ECO-201	International Economics	3+0	ECO-101

Semester-V

Course Code	TITLE	Credit Hours	Pre-Req
MGT-301	Business Ethics	3+0	
FIN-301	Financial Institutions and Markets	3+0	FIN-201
AGB-301	Agri Business	3+0	
HRM-301	Human Resource Management	3+0	MGT-101
STS-301	Statistical Inferences	2+1	STS-101
MGT-302	Entrepreneurship	3+0	

Semester-VI

Course Code	TITLE	Credit Hours	Pre-Req
ACC-301	Managerial Accounting	3+0	ACC-101
CSC-301	Management Information System	2+1	
MKT-301	Methods of Business Research	2+1	STS-101
MGT-303	Production and Operations Management	3+0	MGT-101
MGT-304	Corporate Social Responsibility and Governance	3+0	
	Elective I	3+0	

Semester-VII

Course Code	TITLE	Credit Hours	Pre-Req
ECO-401	Development Economics & Environmental Sustainability	3+0	ECO-101
LAW-401	Laws of Taxation	3+0	
ECO-402	Basic Econometrics	2+1	ECO-102, STS-101
FIN-401	Financial Management	3+0	FIN-201
	Elective II	3+0	
	Elective III	3+0	

Semester-VIII

Course Code	TITLE	Credit Hours	Pre-Req
MGT-401	Comparative Management	3+0	MGT-101
FIN-402	Forecasting & Budgeting	2+1	ACC-301
MGT-402	Business Strategy	3+0	MGT-101
	Elective IV	3+0	
	Elective V	3+0	

Other Requirements:

- Internship (Six weeks) Compulsory after 6th semester.

ELECTIVES COURSES FOR BBA PROGRAM

Finance

Code	Course	Cr. Hrs	Pre. Req.
FIN-410	International Finance	3	FIN-201
FIN-411	International Financial Management	3	FIN-201
FIN-412	Security Analysis	3	FIN-201
FIN-413	Investment Analysis And Portfolio Management	3	FIN-201
FIN-414	Corporate Finance	3	FIN-201
FIN-415	Fixed Income Securities	3	FIN-201
FIN-416	International Banking	3	FIN-201
FIN-417	Regulation Of Financial Markets	3	FIN-201
FIN-418	Islamic Finance	3	FIN-201
FIN-419	Strategic Financial Management	3	FIN-201
FIN-420	Portfolio Management	3	FIN-201
FIN-421	Venture Capital And Private Finance	3	FIN-201
FIN-422	Risk Management	3	FIN-201
FIN-423	Financial Econometrics	3	FIN-201
FIN-424	Financial Derivatives	3	FIN-201
FIN-425	Treasury And Fund Management	3	FIN-201
FIN-426	Investment Banking	3	FIN-201
FIN-427	Project Evaluation	3	FIN-201
FIN-428	Advance Corporate Finance	3	FIN-201
FIN-429	Behavioral Finance	3	FIN-201
FIN-430	Actuarial Finance	3	FIN-201
FIN-431	Applied Portfolio Management And Modeling	3	FIN-201
FIN-432	Financial Reporting and Analysis	3	FIN-201

Human Resource Management

Code	Course	Cr. Hrs	Pre. Req.
HRM-410	Employee Staffing And Training	3	MGT-101
HRM-411	Recruitment And Selection Techniques	3	MGT-101
HRM-412	Training Techniques And Practices	3	MGT-101
HRM-413	Occupational Health And Safety	3	MGT-101
HRM-414	Executive Leadership	3	MGT-101
HRM-415	Foundation Of Human Resource Development	3	MGT-101
HRM-416	Industrial Relations Management	3	MGT-101
HRM-417	Organizational Development	3	MGT-101
HRM-418	Human Resource Development	3	MGT-101
HRM-419	Compensation And Benefits Management	3	MGT-101
HRM-420	Succession Planning	3	MGT-101
HRM-421	Conflict Management	3	MGT-101
HRM-422	Team Management	3	MGT-101

HRM-423	Leading The Change Process	3	MGT-101
HRM-424	Managerial Decision-Making	3	MGT-101
HRM-425	Performance Management	3	MGT-101
HRM-426	Resourcing and Talent Management	3	MGT-101
HRM-427	HRM in Organizational Context	3	MGT-101

Marketing

Code	Course	Cr. Hrs	Pre. Req.
MKT-410	Digital and Web Marketing	3	MKT-201
MKT-411	Advertising Management	3	MKT-201
MKT-412	Consumer Behavior	3	MKT-201
MKT-413	Export Marketing	3	MKT-201
MKT-414	Personal Selling	3	MKT-201
MKT-415	Sales Management	3	MKT-201
MKT-416	Industrial Marketing	3	MKT-201
MKT-417	International Marketing	3	MKT-201
MKT-418	Services Marketing	3	MKT-201
MKT-419	Strategic Export Marketing	3	MKT-201
MKT-420	Brand Management	3	MKT-201
MKT-421	Seminar In Marketing	3	MKT-201
MKT-422	Strategic Brand Management	3	MKT-201
MKT-423	Experiential Marketing	3	MKT-201
MKT-424	Marketing Communication	3	MKT-201
MKT-425	Event Management	3	MKT-201
MKT-426	Corporate Social Responsibility	3	MKT-201
MKT-427	Retail Management	3	MKT-201

Entrepreneurship

Code	Course	Cr. Hrs	Pre. Req.
ENT-410	Marketing for Entrepreneurs	3	MGT-302
ENT-411	Entrepreneurial Management	3	MGT-302
ENT-412	Entrepreneurial Finance	3	MGT-302
ENT-413	Corporate Entrepreneurship	3	MGT-302
ENT-414	Developing Entrepreneurial Opportunities	3	MGT-302
ENT-415	Social Enterprise Management	3	MGT-302
ENT-416	New Technology Ventures	3	MGT-302
ENT-417	Creativity and Innovation	3	MGT-302
ENT-418	Business Law for Entrepreneurship	3	MGT-302
ENT-419	Web Marketing	3	MGT-302
ENT-420	Sales Strategy in an Entrepreneurial Venture	3	MGT-302
ENT-421	Sustainable Entrepreneurship Strategies	3	MGT-302
ENT-422	Negotiation Skills	3	MGT-302
ENT-423	Family Business Management	3	MGT-302
ENT-424	Financing Entrepreneurial Ventures	3	MGT-302
ENT-425	Public Policy Entrepreneurship	3	MGT-302
ENT-426	Women's Entrepreneurship & Leadership	3	MGT-302



UNIVERSITY OF AGRICULTURE FAISALABAD & SUKKUR IBA UNIVERSITY



BBA (Agribusiness) 4 YEARS Joint Degree Program

1. Background and Rational

The four years BBA (Agribusiness) is a Joint degree program by UAF and Sukkur IBA University is a need based program- designed to serve the needs of the industry. The young individuals who have completed twelve years of education would be illegible for admission in this program. This program is open to the students with diverse educational backgrounds including humanities, science, arts, agribusiness and commerce etc. Accordingly, candidates for this program shall be carefully screened through a rigorous and effective admission process.

It is a Bachelor Degree Program with Emphasis on Farm Management and Business (Hybrid) based on inter provincial model. It is hoped that it shall open new avenues of employment for successful graduates. It is expected that this degree shall facilitate in greater personal development and earning of higher salary jobs as well as they will be trained in such a way that they may start their own business and will act as the job providers to others.

2. Learning Outcomes

The students who earn the BBA (Agribusiness) Joint degree program will be able to:

- I. Communicate effectively, professionally and demonstrate the ability to create coherent written and oral statements.
- II. Demonstrate the ability to identify and evaluate relevant information for decision-making and make usage of diagnostic thinking skills and analytical techniques to assess the information and solve problems in the agribusiness environment characterized by uncertainty.
- III. Understand the importance of teamwork and group dynamics in achieving organizational goals and demonstrate ability to work effectively in teams.
- IV. Understand various leadership styles and demonstrate proven ability in exercising these styles according to the requirement of the situation.
- V. Understand the dynamics of the organizational conflict, power and politics and make use of their analytical and interpersonal skills accordingly. Acquire awareness of global perspectives and understand the theory, operations, and challenges of global business.
- VI. Demonstrate functional business knowledge and interpret essential business concepts and principles and nurture related skills, knowledge and attitude.

- VII. Identify core organizational values and understand the ethical issues and social diversity and demonstrate the ability to propose feasible solutions to these issues.
- VIII. Understand computer-based information systems and interpret functional agribusiness knowledge with the assistance of contemporary computing tools.

3. Structure of BBA (Agribusiness) Joint degree program

- a) The BBA (Agriculture) Joint degree program is of 4-year duration, spread over 8 regular semesters, and consisting of 132 credit hours according to HEC requirements for the said degree program.

Credit Hours at UAF:	68
Credit Hours at Sukkur IBA University:	64
Total Credit Hours:	132
HEC Requirement:	124-136

Nature of Degree

- Joint degree program (Hybrid) between UAF & Sukkur IBA University. It is going to be the unique program which is based on Inter Provincial Model with 4 years (i.e. Eight Semesters) duration.
- The first 4 semesters (2 years) will be offered at UAF for all students admitted at both institutions whereas next four semesters (last two years) will be offered at Sukkur IBA University for the students admitted at both Institutions.

PROPOSED STATUTES AND REGULATIONS RELATING TO

BBA (AGRIBUSINESS) JOINT DEGREE PROGRAM (4-YEAR, 8-SEMESTER)

Eligibility Criteria:

Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).

Admission

- Purely on merit to be determined on the basis of academic performance, entry test and interview. The proportional weight for academic performance and entry test/interview shall be 50:50, respectively.
- Students seeking admission to BBA- (Agribusiness) will have to apply for admission separately either at UAF or Sukkur IBA University.
- An entry test shall be administered simultaneously at both institutions.

- A separate merit shall be determined by the both institutions among the candidates who have applied and qualified for the admission
- The Director, IBMS shall be the admission granting authority for the candidates seeking admission in UAF and Vice Chancellor, Sukkur IBA University for the candidates seeking admission at Sukkur IBA University.

Hostel Accommodation

Hostel accommodation shall be provided but student shall have to apply for it.

Credit Earning

- The students shall earn credit(s) by studying at Sukkur IBA University, and UAF. Each institute/University shall transfer credits earned by the respective students to the admission granting Institute/University at the end of each semester for the award of degree to the students.

Degree Awarding

Students will be conferred upon degree by the admission granting Institute/University through credit earning/credit transfer facility.

Other Regulations

In addition to above mentioned regulations, all other statutes and regulations implemented by UAF for undergraduate degree programs will also be applicable to this degree program in the same spirit.

SEMESTER-WISE BREAKUP OF COURSES

SEMESTER – WISE BREAKUP FOR BBA AGRI-BUSINESS JOINT DEGREE PROGRAM					
Semester 1 (To be offered by UAF)			Semester 2 (To be offered by UAF)		
Course No.	Course Title	Credit Hours	Course No.	Course Title	Credit Hours
BBAA-101	Functional English	3(3-0)	BBAA-102	General Plant Protection	3(2-1)
BBAA-103	Basics of Agriculture	2(1-1)	BBAA-104	Natural Resource Management	3(3-0)
BBAA-105	Soil Science and Crop Production	3(2-1)	BBAA-106	Introduction to Agricultural Economics	2(2-0)
BBAA-107	Orchard Planning and Management	3(2-1)	BBAA-108	Water Management	3(2-1)
BBAA-109	Variety Development, Registration and Seed Production	3(2-1)	BBAA-110	Food Service Industry	3(2-1)
BBAA-111	Agricultural Knowledge and Information System	3(2-1)	BBAA-112	Essentials of Food Science and Technology	3(3-0)

Total			17	Total			17
Semester 3 (To be offered by UAF)			Semester 4 (To be offered by UAF) (Students shall opt 14+ credit hours as elective courses)				
BBAA-201	Food Engineering and Processing	3(2-1)	BBAA-202	Energy Resources and Utilization	3(2-1)		
BBAA-203	Livestock Business Management	3(2-1)	BBAA-204	Elective			
BBAA-205	Farm Mechanization	3(2-1)	BBAA-206	Elective			
BBAA-207	Poultry Business Management	3(2-1)	BBAA-208	Elective			
BBAA-209	Cotton Production and its Value Chain	3(2-1)	BBAA-210	Elective			
BBAA-211	Animal Health Business Management	2(1-1)	BBAA-212	Elective			
Total			17	Total			17
Semester 5 (To be offered by Sukkur IBA University)			Semester 6 (To be offered by Sukkur IBA University)				
BBAA-301	Principles of Microeconomics	3(3-0)	BBAA-302	Principles of Macroeconomics	3(3-0)		
BBAA-303	Social Psychology and Self-Development	3(3-0)	BBAA-304	Principles of Management	3(3-0)		
BBAA-305	Financial Accounting	3(3-0)	BBAA-306	Business Communication & Presentation Skills	3(3-0)		
BBAA-307	Business Mathematics & Statistics	3(3-0)	BBAA-308	Managerial Accounting	3(3-0)		
BBAA-309	Computer Applications to Business	3(2-1)	BBAA-310	Pakistan & Islamic Studies/Ethics (for Non-Muslims)	3(3-0)		
Total			15	Total			15
Semester 7 (To be offered by Sukkur IBA University)			Semester 8 (To be offered by Sukkur IBA University)				
BBAA-401	Principles of Agricultural Marketing	3(3-0)	BBAA-402	Agribusiness Entrepreneurship	3(3-0)		
BBAA-403	Agricultural Finance	3(3-0)	BBAA-404	Corporate Strategy	3(3-0)		
BBAA-405	Business Research Methods	3(2-1)	BBAA-406	Organizational Behavior	3(3-0)		
BBAA-407	Human Resource Management in Agriculture	3(3-0)	BBAA-408	Managing Agricultural Supply Chain	3(3-0)		
BBAA-409	Project	5(0-5)	BBAA-410	Project	5(0-5)		
Total			17	Total			17

Other Requirements:

Internship (Six weeks) Compulsory after 6th semester.

BS(A&F) Program Eligibility Criteria

Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condoned by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).

BS(A&F) Program Goals and Objectives

Goal 1 – Ethical Consciousness – *Students will be able*

PLO(s):

- 1.1 To apply ethical reasoning in decision making.
- 1.2 To understand laws and regulations of business and accounting

Goal 2- Communication Skills – *Students will be able*

PLO(s):

- 2.1 To present with oral proficiency.
- 2.2 To write effective business documents.

Goal 3-Critical thinking skills – *Students will be able*

PLO(s):

- 3.1 To critically analyze business issues.
- 3.2 To apply quantitative tools to solve business problems.

Goal 4 - Teamwork Skills – *Students will be able*

PLO(s):

- 4.1 To work effectively within teams

Goal 5 – Creativity Skills – *Students will be able*

PLO(s):

- 5.1 To develop innovative business solutions.

Goal 6 – Global Awareness – *Students will be able*

PLO(s):

- 6.1 To understand international issues.

Goal 7 – Competency in Business and Accounting– *Students will be able*

PLO(s):

- 7.1 To understand and apply core business Knowledge
- 7.2 To understand and apply International Financial Reporting Standards (IFRS)
- 7.3 To understand and apply International Standards on Auditing (ISA)
- 7.4 To understand and apply Uniform Costing Practices.

BS-ECONOMICS COURSE SCHEMA**BS Economics Program Mission Statement**

The mission of BS Economics program is to enhance intellectual and professional competencies of our graduates by imparting knowledge through a meritorious culture that encourages critical thinking, active learning, ethical consciousness and global awareness regarding economic issues.

BS Economics Program Goals and Objectives**Goal 1 – Ethical Consciousness – *Students will be able******PLO(s):***

- 1.1 To apply ethical reasoning in decision making.

Goal 2- Communication Skills – *Students will be able****PLO(s):***

To present with oral proficiency.

To write effective economic and business documents.

Goal 3-Critical thinking skills – *Students will be able****PLO(s):***

To critically analyze economic issues.

To apply problem solving tools to various economic situations.

Goal 4 - Teamwork Skills – *Students will be able****PLO(s):***

- 4.1 To work effectively within teams.

Goal 5 – Creativity Skills – *Students will be able*

PLO(s):

5.1 To design innovative economic solutions.

Goal 6 – Global Awareness – *Students will be able*

PLO(s):

6.1 To assess international economic issues related to both developed and developing countries.

Goal 7 – Economics knowledge – *Students will be able*

PLO(s):

7.1 To apply economics discipline knowledge to address economic challenges

Duration

BS Economics is a four years degree program comprising of eight regular semesters.

Academic Requirements for BS Economics four year degree program

Successful completion of 135 credit hours spread over 42 courses and a research project equivalent to 3 courses. Each course is equal to 3 credit hours, except Pakistan Studies and Islamic Studies or Comparative Religion, each course is equal to 1.5 credit hours and research project is equal to 9 credit hours.

Specializations

Economics and Finance

Economics and Finance focuses on the application of economic theory to financial markets. The students are taught courses in money and banking, stock markets and of secondary financial markets with special emphasis on the financial side of the domestic and cross border investment.

Development Economics

Development Economics is a broad area of specialization with a focus on the application of economic theory to understand the characteristics of and economic issues faced by developing countries. The students are exposed to models of economic development, development policy and quantitative methods relevant to developing and transitional economies.

Environmental Economics

Environmental Economics focuses on the application of economic concepts and quantitative methods for the analysis, appraisal and valuation of a wide range of environmental problems and policies. The students will understand the importance of the political-economic context in applying the concepts and tools of environmental economics, as well as an in-depth understanding of the scientific, economic and political dimensions of climate change.

Public Planning and Policy

The specialization in Public policy focuses on the fundamental areas related to public policy, economics of public policy and public management. The students are provided with political, legal, financial and ethical perspectives, with ability to understand and to challenge the conventional public management policies.

International Economics

The specialization in international economics aims to provide the core understanding of international trade theory, international finance and international trade policy. In addition, students are exposed to the current debates in international economics.

Economics, Artificial Intelligence and Data Analytics

The world is moving towards the digitalization of their economies with minimum human interaction. The specialization in Economics Artificial Intelligence and Data Science aims to provide the basic understanding of artificial intelligence, data analytics and forecasting and their economic applications.

Behavioral Economics

The specialization in behavioral economics develops theoretical foundations and real-world application in economics.

Split up of Courses

BS Economics is a four-year degree program comprising of eight regular semesters. Common courses are taught in the first five semesters and specialization courses are offered in the last three semesters. Semester wise split up of courses is given below;

Courses	Semesters								Total courses
	1st	2nd	3rd	4 th	5th	6th	7th	8th	
Elementary and Language courses	4	2	1	1					8
General Courses	1	2	2						5
Discipline Specific Foundation Courses	1	2	3	2					8
Discipline Specific Core Courses				3	5	4	3		15
Specialization Elective Courses					1	2	2	1	6
Research Project								3	3
Total Courses	6	6	6	6	6	6	5	4	45

Notes: Each course is equal to 3 credit hours except Islamic Studies or Comparative Religions and Pakistan studies, these two courses are equal to 1.5 credit hours each and Research Project is equal to 9 credit hours. Therefore, degree requirement is to pass 42 courses plus research project or 45 courses. In case, students opt for courses in place of research project, then they can take three courses from another specialization. The program offers group optional (General Courses) to the students. Students have to choose 5 group optional maximum from any two groups and group optional should not be more than 3 in a single group.

Elementary and Language courses

Code	Subject	Credit Hours
ENG101	Functional English	3
SSC-101	Pakistan and Islamic studies/ Comparative Religions	3 (1.5 for each)
CSC-101	Computer Application to Economics and Business	3
MTS-101	College Algebra	3
ENG-102	Creative Writing	3
LAG-101	Languages	3
CSC-202	C Language / Object Oriented Programing	3
SCS-203	R Language	3

General Courses (Group Optional)*

Code	Subject	Credit Hours
	Group optional 01	3
	Group Optional 02	3
	Group Optional 03	3
	Group Optional 04	3
	Group Optional 05	3

*University has option to offer any diversification course depending upon the availability of teacher. Moreover university can expand the list of diversification courses.

Discipline Specific Foundation Courses

Code	Subject	Credit Hours
ECON-101	Principles of Microeconomics	3
ECON-102	Principles of Macroeconomics	3
MTS102	Mathematics for Economics & Business	3
ECON-211	Intermediate Microeconomics	3
ECON-212	Intermediate Macroeconomics	3
STS201	Statistics for Economics & Business	3
MTS211	Calculus for Economics and Business	3
STS211	Inferential Statistics	3

Discipline Specific Core Courses

Code	Subject	Credit Hours
ECON-221	Microeconomic Analysis	3
ECON-321	Macroeconomic Analysis	3
ECON-201	Development Economics	3
ECON-302	Fiscal Policy	3

ECON-304	Monetary Economics	3
ECON-303	Economy of Pakistan-I	3
ECON-311	Economy of Pakistan-II	3
ECON-306	Public Finance	3
ECON-402	Labor Economics	3
ECON-306	Econometrics I	3
ECON-411	Econometrics II	3
ECON-401	Financial Institutions & Capital Markets	3
ECON-202	Islamic Economics	3
ECON-301	Game Theory	3
ECON-305	Business Ethics	3
ECON-421	Research Project	9

Pre-Requisites

- College Algebra is pre-requisite for Mathematics for Economics and Business.
- Mathematics for Economics and Business is pre-requisite for Calculus for Economics and Business
- Basic Statistics and Inferential Statistics are pre-requisite for Econometrics I.
- Econometrics I is pre-requisite for Econometrics II.
- Principles of Microeconomics is pre-requisite for Intermediate Microeconomics.
- Principles of Macroeconomics is pre-requisite for Intermediate Macroeconomics.

- Econometrics II is pre-requisite for Econometrics of Time Series and Panel Data.
- Calculus for Economics and Business is pre-requisite for Advanced Mathematical Models for Finance.
- Intermediate Microeconomics is pre-requisite for Microeconomic Analysis
- Intermediate Macroeconomics is pre-requisite for Macroeconomic Analysis
- Intermediate Microeconomics is pre-requisite for Game Theory

First Semester

Code	Subject	Credit Hours
ENG-101	Functional English	3
MTS-101	College Algebra	3
ECON-101	Principles of Microeconomics	3
	Group optional 01	3
SSC-101	Pakistan and Islamic studies/ Comparative Relegions	3
CSC-101	Computer Application to Economics and Business	3

Second Semester

Code	Subject	Credit Hours
ECON-102	Principles of Macroeconomics	3
ENG-102	Creating Writing	3
LAG-101	Languages	3
	Group Optional 02	3
	Group Optional 03	3
MTS-102	Mathematics for Economics & Business	3

Third Semester

Code	Subject	Credit Hours
ECON-211	Intermediate Microeconomics	3
ECON-212	Intermediate Macroeconomics	3
STS-201	Statistics for Economics & Business	3
	Group Optional 04	3
	Group Optional 05	3
CSC-202	C Language / Object Oriented Programming	3

Fourth Semester

Code	Subject	Credit Hours
MTS-211	Calculus for Economics and Business	3
STS-211	Inferential Statistics	3
ECON-201	Development Economics	3
ECON-221	Microeconomic Analysis	3
ECON-202	Islamic Economics	3
SCS-203	R Language	3

Fifth Semester

Code	Subject	Credit Hours
	Elective-I	3
ECON-301	Game Theory	3
ECON-302	Fiscal Policy	3
ECON-303	Economy of Pakistan-I	3
ECON-304	Monetary Economics	3
ECON-321	Macroeconomic Analysis	3

Sixth Semester

Code	Subject	Credit Hours
SSC-305	Business Ethics	3
ECON-306	Public Finance	3
	Elective-II	3
ECON-311	Economy of Pakistan-II	3
ECON-306	Econometrics I	3
	Elective-III	3

Seventh Semester

Code	Subject	Credit Hours
ECON-401	Financial Institutions & Capital Markets	3
ECON-402	Labor Economics	3
ECON-411	Econometrics II	3
	Elective-IV	3
	Elective-V	3

Eighth Semester

Code	Subject	Credit Hours
	Elective-VI	3
ECON-421	Research Project	9

Specialization Courses

Specialization in Economics and Finance

Code	Subject	Credit Hours
FIN-301	Financial Economics	3
FIN-311	Financial Risk Management	3
FIN-421	Econometrics of Time Series & Panel Data	3
FIN-302	Islamic Finance	3
FIN-422	Monetary Policy Analysis	3
FIN-312	Public Financial Management and Budgeting	3
FIN-423	Financial Engineering & Modeling	3
FIN-303	Finance Ethics & Regulations	3
FIN-424	Analytics of Finance	3
FIN-425	Advanced Mathematical Models for Finance	3

Specialization in Environmental Economics

Code	Subject	Credit Hours
ENV-301	Energy Economics	3
ENV-302	Sustainable Development	3
ENV-303	Input Output Economics	3
ENV-304	Environmental Law & Policy	3
ENV-305	Economics Of Climate Change	3
ENV-306	Greening the Economy: Sustainable Cities	3
ENV-411	Climate Change Mitigation in Developing Countries	3
ENV-412	Planning for Climate Change	3

Specialization in Public Planning and Policy

Code	Subject	Credit Hours
PPP-301	Policy design and delivery	3
PPP-311	Effective Policy Communication	3
PPP-312	Leadership as Improvisation	3
PPP-421	Strategic Thinking and Decision Making	3
PPP-302	NGO Design and Management	3
PPP-422	Legislative Analysis	3
PPP-303	Health Economics	3
PPP-313	Methods for Policy Analysis	3
PPP-304	Economics of Public Policy	3

Specialization in Development Economics and Policy

Code	Subject	Credit Hours
DEP-301	Theories of Economic Development	3
DEP-311	Poverty and Income Distribution	3
DEP-302	Globalization, Trade and Development	3
DEP-303	Political Economy	3
DEP-304	Anti-Poverty Transfer Programs in Developing Countries	3
DEP-305	Financing Social Protection	3
DEP-306	International Finance for Development	3

DEP-411	Quantitative Analysis of Policies, Interventions and Experiments	3
DEP-307	Industrial Competitiveness and Global Transformation	3
DEP-412	Behavioral Experiments, Quantitative Field Research and Development Policy	3

Specialization in International Economics

Code	Subject	Credit Hours
INT-301	International Trade Theory	3
INT-311	International Trade Policy	3
INT-302	Globalization and Economic Development	3
INT-303	Economics of International Migration	3
INT-312	World Economy: Issues and Challenges	3
INT-411	Competition, regulations and Business Strategies	3
INT-412	International Banking: regulations and Supervision	3
INT-413	Global Environmental Governance	3

Specialization in Economics, Artificial Intelligence and Data Analytics

Code	Subject	Credit Hours
ECAI-301	Introduction to Artificial Intelligence for Economics and Business	3

ECAI-302	Introduction to Machine Learning in Economics	3
ECAI-311	Deep Learning	3
ECAI-312	Algorithmic Game Theory and Optimization	3
ECAI-303	Economics of Smart Cities	3
ECAI-304	Economics of Digital Markets	3
ECAI-305	Foundations in Big Data Analytics; Concepts and Techniques	3
ECAI-306	Foundations in Big Data Analytics: Programing	3
ECAI-411	Data Visualization with story-telling	3
ECAI-314	Law and Economics of Data Protection	3
ECAI-421	Economic Forecasting with Big Data	3
ECAI-307	Innovation and Entrepreneurial Economy: Global Development	3

Specialization in Behavioral Economics

Code	Subject	Credit Hours
BECO-301	Introduction to Experimental Economics	3
BECO-302	Introduction Behavioral Economics	3

BECO-311	Psychological Models of Choice	3
BECO-421	Behavioral Change: Nudging and Persuasion	3
BECO-303	Introduction to Neuroeconomics	3
BECO-304	Behavioral Ethics	3
BECO-312	Approaches to behavioral Science	3
BECO-305	Behavioral Science in age of new technology	3
BECO-422	Experimental Design and Methods for Behavioral Science	3
BECO-313	Consumer Psychology	3
BECO-314	Organizational and social decision making	3
BECO-423	Innovation and Entrepreneurial Economy: Global Development	3
BECO-415	Cost Benefit Analysis	3

Group Optional Courses

Marketing Group

Code	Subject	Credit Hours
MKT-101	Principle of Marketing	3
MKT-211	Marketing Management	3
MKT-212	Consumer Behavior	3

MKT-102	Introduction to Digital Marketing	3
MKT-213	Marketing Analytics	3
MKT-214	Sales Management	3
MKT-215	Advertising Management	3
MKT-216	Production and Operation Management	3

Human Recourse Management Group

Code	Subject	Credit Hours
HRM-101	Organizational Behavior	3
HRM-211	Human Resource Management	3
HRM-212	HR Planning & Labor Law	3
HRM-213	Comparative Management	3
HRM-102	Human Resource Information System	3
HRM-214	Talent Acquisition	3
HRM-215	Recruitment and Selection	3
HRM-216	Organizational Development	3
HRM-217	Strategic HRM	3

Political Science Group

Code	Subject	Credit Hours
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PLSC-101	Introduction Political Science	3
PLSC-211	Constructional Law	3
PLSC-102	History of Constitutional Development of Pakistan	3
PLSC-212	Comparative & Development politics	3
PLSC-213	Ideology & Dynamics of Political Science	3
PLSC-103	International Politics	3
PLSC-214	Mediate and Conflict Resolution	3
PLSC-215	Political Thought and itsHistory	3

Sociology Group

Code	Subject	Credit Hours
SCLG-101	Introduction to Sociology	3
SCLG-211	Development Psychology	3
SCLG-102	Modern sociological Theory	3
SCLG-212	Sociological Development	3
SCLG-103	Gender and Society	3
SCLG-213	Social change and Development	3
SCLG-104	Political sociology	3

SCLG-201	Criminology	3
SCLG-202	Environment & Society	3

Accounting Group

Code	Subject	Credit Hours
ACCO-101	Principles of accounting	3
ACCO-102	Principles of Taxation	3
ACCO-201	Introduction to Business Laws	3
ACCO-202	Introduction to cost accounting	3

Course Descriptions of Discipline Specific and Foundation Courses:

Principles of Microeconomics

Microeconomics focuses on individual economic units-consumers and business organizations. It examines how purchase decisions by consumers and production decisions by producers determine prices and quantities sold. Similarly, it shows how decisions by employers and workers interact to determine wages and employment.

These principles are applied to a variety of economic issues and problems, including price and rent controls, exchange rates and international trade, energy pricing, collective bargaining, and environmental issues.

Principles of Macroeconomics

The subject aims to provide the students core concepts of Macroeconomic theory and policy. Build the students understanding regarding aggregate output and income determination, key issues in macroeconomics (Inflation, Unemployment, rate of interest and productivity), major policy discussions and other components of Macroeconomics.

Mathematics for Business and Economics

Mathematics for business and economics course deals with how to apply the techniques of algebra to problems arising in business and economics. Teaches the mathematical skills required for problem solving and decision making in the business world through use of mathematical models and specialized techniques. Topics include: functions as mathematical models, equation-solving techniques, differential and integral calculus, exponential growth and time-value of money and partial derivatives and their applications in economic functions.

Intermediate Microeconomics

This course uses microeconomic tools to analyze economic issues and the decisions made by consumers and producers. Additionally, the assumptions and arguments underlying these tools are examined in intermediate microeconomics. For example, we are not just interested in knowing that increases in the price of apples increases the number of orchards devoted to apple production. We are also interested in knowing what alternatives are available to the owners of orchards when deciding how to use their land; how those decisions are made; and what other factors can affect the decisions made? Formally, we are interested in the motivations of, and constraints faced by decision makers. We will cover supply and demand analysis, theory of the consumer, theory of the firm, and market structures. We will touch on welfare economics and competitive strategy.

Intermediate Macroeconomics

The course will cover the determination of income, employment, the price level, interest rates and exchange rates in the economy. The economy will be analyzed in the short run (e.g. business cycle and stabilization policy) and in the long run (e.g. economic growth). The insights of Keynesian and classical theories will be integrated. During the course a variety of simple models will be presented. As macroeconomics is an empirical discipline the course will cover case studies and statistical data interpretation.

Statistics for Business and Economics

It is the introductory course in the business and economic application of descriptive and inferential statistics. The meaning and role of statistics in business and economics, frequency distributions, graphical presentations, measures of central tendency and dispersion, probability, discrete and continuous probability distributions, inferences pertaining to means and proportions, regression and correlation, time series analysis, and decision theory will be discussed.

Calculus for Economics and Business

This is an introduction to basic calculus with emphasis on applications to business, economics, management, information science, and related fields. Topics include relations and functions, limits, continuity, derivatives, techniques of differentiation, chain rule, applications of differentiation, anti-derivatives, the definite integral, the fundamental theorem of calculus, and applications of integration.

Inferential Statistics

This course introduces the theory of inferential statistics. It is concerned with the frequent approach to inference covering point and interval estimation of parameters and hypothesis testing. Properties of estimators such as unbiasedness and sufficiency are applied to estimators of parameters of various distributions. Test of statistical hypotheses include certain best test, uniformly most powerful tests, likelihood ratio tests and chi-square tests.

Microeconomic Analysis

The object of this course is to give students a general overview of concepts, techniques and analytical tools in microeconomics. In particular, the course is concerned with the analysis of the choices consumers and producers make, and the interaction of these choices. We will analyze the nature of equilibrium in competitive, monopolistic and oligopolistic markets. We will also discuss game theory (study of strategic decision-making) and some of its applications to economics.

Macroeconomic Analysis

The course provides an introduction to advanced models and methods in macroeconomics and economic measurement. This course will cover designing and implementing macroeconomic policies, forecasting GDP and its components, as well as provide an overview of models of national income determination; sectorial inflation; labor markets, production theories, and aggregate supply models; supply and demand for money; foreign trade and balance of payments.

Development Economics

The subject aims to provide students with understanding of economic theories and their analysis in the field of development economics. The course is designed to build the students' understanding regarding the issues and problems facing the developing economies. The subject also enhances students' global perspective in terms of global socio-economic issues worldwide.

Fiscal Policy

The goal of the course is to study fiscal policy in a macroeconomic context, using dynamic equilibrium models. We study how to tax, who to tax, and when to tax. We discuss issues of efficiency, countercyclical policy along the business cycles, when to issue debt and what kind of debt.

Monetary Economics

This course introduces the concept of money; what it is, why we use it and how it is created. It examines monetary policy in a closed economy, considering a number of models that allow real effects of monetary policy, ranging from new-Classical to Keynesian. Specific models will be introduced and solved, allowing students to see exactly how these models work and what differentiates one from another. It then studies Dynamic Stochastic General Equilibrium Models which brings together insights from Real Business Cycle Models and Keynesian macroeconomics. Finally, it studies uncertainty in monetary economics that is pervasive in macroeconomic modelling and takes the form of data, parameter and model uncertainty and introduces students to the concept of robust monetary policy design.

Pakistan's Economy-I&II

The course has been divided into two semesters so that students will have in-depth understanding of the core economic issues of Pakistan's Economy. The aim of the subject is to understand the structural transformation over seven decades in a political economy framework. The course shall examine how and where such transformations have taken place, in the economy, society, in class and gender relations, in manifestations of consumerism and culture, and in other ways. The subject will assesses Pakistan's trajectory of economic and political development, and focuses on an economic and social history of Pakistan, using a political economy framework to examine the nature of this structural transformation. The subject will discuss the evolution of Pakistan's social, economic and even political dispensation over many decades, highlighting key developments and events. As has happened so many times in Pakistan's history, unintended consequences have shaped developments. Yet, social and economic change has also been somewhat anticipated and predictable, giving rise to relatively more certain outcomes. The immense growth of urban populations, a middle class, and a buoyant informal sector, alongside the breakdown of state authority and of state institutions, have been unfolding almost expectedly.

Public Economics

This course covers theory and evidence on government taxation policy. Topics include tax incidence, optimal tax theory, the effect of taxation on labor supply and savings, taxation and corporate behavior, and tax expenditure policy.

Labor Economics

This course is an introduction to labor economics with an emphasis on applied microeconomic theory and empirical analysis. We are especially interested in the link between research and public policy. Topics to be covered include: labor supply and demand, taxes and transfers, minimum wages, immigration, human capital, education production, inequality, discrimination, unions and strikes, and unemployment.

Econometrics I

The course focuses on the estimation, inference and identification of linear models. We will discuss the issues and challenges of linear regression models, how to interpret the results of these models, and apply econometrics can be applied to study real-world problems. The topics to be covered in the course include estimation issues such as model misspecification, measurement errors endogenous regressors, as well as instrumental variable regressions, panel data approaches, and econometric analysis using matrices. STATA, a standard software for econometric and statistical analysis, will be used throughout the course.

Econometrics II

This course will present an advanced treatment of econometric principles for cross-sectional, panel and timeseries data sets. While concentrating on linear models, some non-linear cases will also be discussed, notably limited dependent variable models and generalized methods of moments. The course will focus on modern econometric techniques, addressing both technical derivations and practical applications. Applications in the areas of microeconomics, macroeconomics and finance will be considered.

Financial institutions and capital Markets

This course focuses on the role of financial markets and financial institutions in facilitating the flow of funds to finance investments by corporations and governments. This course systematically evaluates each market and describes the participants and types of instruments offered. We examine four key markets: equity markets, debt markets, foreign exchange markets, and derivative markets. We will also examine the role of financial institutions such as commercial banks and mutual funds.

Islamic Economics

This course is aimed at providing basic knowledge of the principles of Islamic economics and the Islamic economic system, developing skills necessary to appreciate an alternative to a commonly familiar approach of interpreting the economic behavior of men and women in the society, and helping the students probe liberally outside the frontiers of familiar forms of capitalist and socialist systems.

Game theory

This course provides a rigorous treatment of non-cooperative solution concepts in game theory, including rationalizability and Nash, sequential, and stable equilibria. It covers topics such as epistemic foundations, higher order beliefs, bargaining, repeated games, reputation, super modular games, and global games. It also introduces cooperative solution concepts—Nash bargaining solution, core, and Shapley value—and develops corresponding non-cooperative foundations.

Business Ethics

This course applies ethical theory and practice to business management. We review different ethical systems, cultural variations, and ways organizations develop and implement ethics programs. A variety of cases and projects are included from many different sources. Cases are used. Written work is required.

Course Descriptions of Specialization Courses:

Specialization in Economics and Finance:

Financial Economics

This course is designed to provide both a self-contained study of the principles of financial economics, and a bridge to higher level courses in economics and finance, including third year international finance. It includes a critical discussion of the efficient markets theory, an overview of quantitative methods in finance, considers risk aversion in the context of utility theory, examines portfolio theory, the Capital Asset Pricing Model and multi-factor asset pricing models, covers bond pricing, duration and convexity, behavioral finance theory, an introduction to the economics of financial crises, and introduces the top down approach to investment decisions. The emphasis is on a thorough coverage of modern finance theory as applied to investment analysis, balanced with a consideration of new developments in the discipline, and of the application of both old and new theoretical perspectives to understand the current environment for financial investment decisions.

Financial risk management

This course introduces financial risk management principles, with an emphasis on practical implementation and application. It presents standard market, credit and liquidity risk measurement techniques, as well as their drawbacks and limitations. Students will understand risk management techniques from the viewpoint of financial intermediaries, such as banks, investment managers, and hedge funds, as well as that of financial regulators.

Econometrics of Time series and panel data

Introduce the student modern econometric tools applied in empirical finance and economics. The topics cover econometric applications in analysis of financial time series including risk measurement, panel data econometrics and cointegration analysis. The emphasis is in empirical modeling and interpretation of the results with real data examples. The potential of solving complicated estimation and modeling problems with modern software (R, SAS, STATA, EViews) are illustrated by examples.

Islamic Finance

The Course offers an opportunity to study the structure of the Islamic banking and finance industry, including its theoretical foundations, products, performance, Islamic financial instruments and risk management issues. The course is designed for finance professionals and students of contemporary modern world. The lessons cover all aspects of financial markets and will benefit anyone with an interest in the vast opportunities offered by Islamic Financial system.

Monetary policy Analysis

This course describes the role of money and financial institutions in recent economies. It provides the main theories of Monetary Economics and analyses monetary and fiscal policy issues in the IS-LM framework. Central Banking behavior is the core of the financial system and the lender of last resort for the banking system.

Public Financial management and budgeting

This course introduces you to the theory and practice of public budgeting and financial management. In this core course, you will learn the fundamentals of budgeting and financial management for government and not-for-profit organizations. Through readings, lectures, problem sets, and exams, you will gain an understanding of how to use budgetary and financial information in organizational planning, implementation, control, reporting, and analysis. Topics include basic management of public funds, preparation and processing of budgets, revenue projection and expenditure controls, issues of fiscal policy, and the establishment of priorities through budgeting and financial management. Additionally, you will have a chance to develop spreadsheet skills by using Excel to perform financial calculations and create financial documents.

Financial Engineering and Modelling

The course aims to provide students with the tools, knowledge and understanding of the derivative product set (these are forward and futures contracts, swaps and options), how the instruments are priced and the markets in which they are traded. The emphasis in the course is on financial management and pricing rather than the mathematics of derivatives. To integrate the discussion of these instruments, the course stresses the relationship that exists between derivatives and fundamental financial instruments (cash securities) and, in particular, the important no-arbitrage conditions that underlie the pricing of derivatives. Note that the course does not delve into the more advanced aspects of derivatives valuation such as stochastic processes, although an intuitive understanding of this is required. The course will also cover some non-standard instruments and securities since these now form an important element in financial markets.

Finance Ethics and regulations

Financial Regulation and Ethics is a course designed to thoroughly review the important topics of financial regulations, policies, and ethics. The course will explore an overview of the financial systems, their history, problems, and issues for the purpose of understanding the enactment of regulations as a method to protect the financial systems and investors. Also, regulators and their authority will be identified, both domestically and internationally.

Analytics of Finance

This course covers the key quantitative methods of finance: financial econometrics and statistical inference for financial applications; dynamic optimization; Monte Carlo simulation; stochastic calculus. These techniques, along with their computer implementation, are covered in depth. Application areas include portfolio management, risk management, derivatives, and proprietary trading.

Mathematical models for finance

This course provides students with the basic mathematical concepts and techniques used in finance and business, highlighting the inter-relationships of the mathematics and developing problem-solving skills with a particular emphasis on financial and business applications. The course will concentrate not only on the theory but also on practical applications.

Specialization in Environmental Economics:

Energy Economics

This course is an energy economics course not a general energy policy course. It will cover a variety of theoretical and empirical topics related to energy demand, energy supply, energy prices, environmental consequences of energy consumption and production, and various public policies affecting energy demand, supply, prices, and environmental effects.

Sustainable Development

The aim of this course is to give students the opportunity to acquire a systems perspective on society of today, and based on this develop their insights into restrictions and possibilities that follow from the need to transform the society to conform to a sustainable development. Besides attaining knowledge of the concept of sustainable development, including different perspectives on this concept, students will learn about the consequences of societal resource use, and about strategies for changing this use into a more sustainable direction.

Input output Economics

The course provides an introduction to Input-Output Analysis (IOA) with applications to trade and the environment. One third of the course is dedicated to developing a conceptual and practical understanding of IOA. The remainder of the course is broken into two applications. The first application analyzes the environmental impacts of consumer consumption with an emphasis on sustainable consumption. The second application models international trade and pathways to sustainable development through an economic input-output model of world trade based on comparative advantage.

Environmental law and policy

Environmental law is critically important and endlessly fascinating. In this course, we will look at the major statutes and policies used, at both the federal and state levels, to protect humans and the environment against exposure to harmful substances, including the Clean Air Act, Clean Water Act, Superfund, the Resource Conservation & Recovery Act, and laws designed to regulate toxic substances. This class will also examine the challenges of global air pollution, including climate change and ozone depletion. The class will look not only at the substance of these laws and policies, but also at enforcement challenges, alternative legal mechanisms for advancing environmental policies (such as voter initiatives and common-law actions), the role of market mechanisms in addressing environmental problems, and constitutional restrictions on environmental regulation.

Economics of Climate change

In this course, students will investigate the climatic changes resulting from global warming and the policy actions being taken to address these problems. Topics include an overview of the science and economics of climate change; the impact of climate change on growth and economic development; the economics of stabilization including efficiency, externalities, public goods, and environmental policy instruments; inter-temporal decisions and uncertainties about the impacts of climate change; the policy responses to mitigation and adaption and their cost; international collective action and its challenges; and prominent climate policy approaches, such as the United Nations Framework Convention and the Kyoto Protocol.

Greening the economy: Sustainable cities

This course will explore sustainable cities as engines for greening the economy. We place cities in the context of sustainable urban transformation and climate change. Sustainable urban transformation refers to structural transformation processes – multi-dimensional and radical

change – that can effectively direct urban development towards ambitious sustainability and climate goals. We will connect the key trends of urbanization, decarbonisation and sustainability. We will examine visions, experiments and innovations in urban areas. We will look at practices (what is happening in cities at present) and opportunities (what are the possibilities for cities going forwards into the future).

Climate change mitigation in developing countries

This course provides you an opportunity to consider how one might lift societies out of poverty while also mitigating greenhouse gas emissions. It explores the inherent complexity of developing country governments wanting to grow their economies in a climate-friendly way. You will be introduced to an approach with which to address this challenge. The approach consists of a facilitated process whereby academic researchers and high-level influential actors within society co-produce knowledge. You will track this process in four Latin American countries - Brazil, Chile, Colombia, Peru, and South Africa.

Planning climate change

The course on Planning for Climate Change in African Cities provides the foundation for understanding cities' exposure and sensitivity to climate change, and how cities can manage these impacts in the face of growing uncertainty. It does so by introducing the basic concepts of urban resilience and adaptation, by using illustrative case studies in different African cities. Furthermore, this module provides lectures on the different approaches for climate change planning, whether ad hoc, strategic or mainstreaming; introduces the different steps in the planning cycle – from initial assessment to monitoring and evaluation; and presents the different decision support and assessment tools for prioritizing climate change actions. This course broadens the discussion on planning for climate change by engaging learners to apply their knowledge and practice their decision-making skills in a simulated exercise.

Specialization in public policy and planning:

Policy design and delivery

This course equips you to analyze, design, and recommend policies that create change in the world. You will learn essential techniques by examining real policies using a structured design process. In this course, you will develop systematic approaches to designing policies that emphasize public value and diagnose and structure policy design with frameworks that address markets, governments, and civil society.

Effective policy communication

This course engages students in the communicative aspects of public policy. Students examine how actors both within and outside government seek to communicate, advocate and participate in the policy process. Particular emphasis is given to the form and nature of policy communication, persuasion, public engagement, and public talk. Students study the principles of effective policy communication, persuasion and participatory policy making including policy argumentation, rhetoric, inclusion, participation, representation and legitimacy. Through applied examples and cases students consider the practicalities, challenges and politics involved in realizing these ideals in contemporary governance.

Leadership and Improvisation

This course teaches students to apply improvisational techniques to business leadership challenges, with a focus on the personal development of leadership skills. The highly interactive curriculum allows you to develop an improvisational mindset through exercises and framings that build upon each other throughout the term. You emerge with practical soft-skill tools that are useful in any future leadership position or situation.

Strategic thinking and decision making

This course helps students become more strategically aware both organizationally and within their operating environment. It challenges some of the myths about strategy and tactics as well as helping senior leaders to be more effective decision makers. Beginning with a clear definition of good strategy and how to create and measure it; the course helps managers to re-engage or create their own strategy and set out how they will improve competitiveness and achieve their vision. The course helps managers discover their own decision making biases and provides them with a strong decision making process for leading change and achieving results.

Legislative Analysis

This course is a hands-on introduction to legislative analysis and drafting using current, pending legislation. The course will provide the context for the legislative process, covering members of Congress, party leadership, congressional committees, and other actors who influence legislative policy. Students will learn how to analyze and draft legislation, as well as related policy documents such as position papers, floor statements, correspondence, and talking points. This course will introduce students to researching and analyzing legislation in a manner that is useful to the intended audience, and drafting clear and concise legislation that reflects the goals of the bill's sponsors.

Health Economics

Health economics is the study of how scarce healthcare resources are allocated among competing interventions and among groups in society. This course introduces basic concepts and practical issues faced by decision makers at all levels in the health system in allocating scarce resources so that the choices they make maximize health benefits to the population. This course has four main learning modules each comprising a set of lectures and problem-solving practicals: (1) An introduction to key concepts of health economics (e.g. opportunity costs), the demand for and supply of health services, fundamentals of markets and the price mechanism with a focus on the healthcare market; (2) An introduction to economic evaluation in healthcare, with an emphasis on identifying, measuring, valuing and analyzing health outcomes and costs. (3) This module focuses on presentation and interpretation of the results of economic evaluation and the use of economic evaluation to inform funding decisions (4) An overview of the organization of health care (provision and funding). The organization and finance of the Australian health system will be specifically analyzed and compared internationally.

Methods for policy Analysis

In this course, we will examine critically selected rational approaches of policy analysis. In theory, these standard procedures help frame policy questions, identify stakeholders and program goals, design policy options, weigh the costs and benefits of alternative courses of action, and evaluate actual outcomes. In practice, however, these procedures are seldom linear and unidirectional. We will discuss how to strike a balance between theory and practice in policy analysis using actual cases. The class is designed for students who may be planning a career in public or non-profit sectors. The primary goal is to help you understand the implications of public policy for different pursuits. This understanding facilitates interactions with public officials and agencies.

Economics of Public Policy

In this course, you will learn how to use the tools of microeconomics and empirical analysis to answer these questions: When should the government intervene in the economy? How might the government intervene? And, what are the effects of those interventions on economic outcomes? The course will include topics such as: income distribution and welfare programs, taxation and tax reform, government debt, market failures, Social Security, unemployment insurance and health insurance.

Specialization in Development Economics and Policy:

Poverty and Income Distribution

This is a course dedicated to an in-depth study of poverty and inequality. In particular, we will examine how poverty and inequality are measured, consider the underlying causes of poverty/inequality, consequences of poverty/inequality and then consider how our views of these causes shape public policy. We will examine theories of the culture of poverty, social stratification and discrimination, concentrated poverty and the underclass, economic and family structure drivers as well as institutional causes of poverty such as education and incarceration. We will also consider how special populations are particularly affected by poverty, such as children.

Globalization, Trade and inequality

The course of Globalization, Trade and Industry is a coherent, interdisciplinary and applied course that analyses industrial development strategies and international trade policies and their implications for developmental processes. The changing dynamics of cross-border trade, finance and labor are fundamentally affecting how developed and developing countries relate to each other. This course will convey to you a variety of analytic perspectives on contemporary issues

relating to globalization, international trade policy, industrial development, and their development consequences.

Political Economy

This course is designed to introduce students to the analytical side of political economy – i.e., the use of economic assumptions and analysis to understand political and social phenomenon. We will explore a school of thought commonly known as “rational choice” and its derivatives – decision theory, public choice, and game theory. “Rational choice” analysis is contrasted frequently with cultural and psychological perspectives on human behavior, though they are not necessarily incompatible. Second, we will also tackle a fundamental question underlying all political economy inquiries: How do humans allocate resources in society? We will compare and contrast decentralized (market) and centralized (hierarchy/government) methods of allocation.

Financing social protection

In this course, students will be introduced with concepts of social protection financing and the reinforcement of technical skills that every policy analyst in social protection should be familiar with and be able to use. It builds on the concepts of poverty, inequality, social justice, social development and the need for social protection, the range of social protection interventions and their rationale as well as the range of existing quantitative costing techniques and impact analysis that were developed in the preceding courses.

Specialization in international Economics:

Trade theory

The course provides a theoretical analysis of international trade topics with references to empirical evidence. The course covers the main theories of international trade and international trade policy. Students will learn the main empirical patterns of current international trade and how to access sources of this information. They will become familiar with the concept of comparative advantage, and study models showing how technological differences, differences in resource endowments, and economies of scale determine trade patterns and income distribution. The effects of various trade policy instruments on welfare will be analyzed. Students will acquire the problem-solving skills necessary to analyze these and similar matters.

Trade policy

This course will analyze the causes and consequences of trade policy. It will then investigate the motives for nations or group of nations to restrict or regulate international trade and study the effects of such policies on economic welfare. We will also spend some time discussing aspects of the different ways of trade integration such as custom unions, preferential trade agreements, as well as the pros and cons of unilateral policies pursued by individual countries, regionalism and multilateralism.

Globalization and Development

The course aims to provide an in-depth coverage of a selected set of issues in the field of political economy of globalization and development. A major part of the course covers broad themes such as neo-liberal globalization and its challenges, the debate on WTO and new regionalism, competing models of capitalism: Anglo-Saxon model, the European social market model and Asian style strategic capitalism in comparative perspective, the challenge of BRICs, and the global financial crisis. The final part focuses on the political economy of Turkey in a global context with special emphasis on Turkish development trajectories, crises and relations with the IMF.

Economics of international migration

The course will offer a multidisciplinary approach to the topical subject of international migration, its causes and consequences, and the challenges it presents to policy makers. Popular myths about migrants and migration will be challenged as the course addresses the highly-charged issues of immigration control and migrant integration. The role of employers, governments, and international organizations such as the European Union will be analyzed as the course reviews current policy responses to immigration.

World Economy: Issues and challenges

The course will address global issues in the realms of the global economy (international trade, financial stability, poverty and inequality, foreign aid, debt relief, international migration, food security); environment and natural resources (climate change, deforestation, access to safe water, sustainable energy), and global governance (conflict prevention, reform of international financial institutions, global compacts). We shall explore the underlying forces that shape each issue, the consequences of addressing or not addressing it, and possible solutions, controversies, and actions already under way. The main goal of this course is to help increase awareness and understanding of global economic issues so that we can participate in an informed way in the debate over these issues and ultimately contribute to their solution.

International Banking

The course examines why risk, return and capital of international banking institutions need to be managed in an integrated manner. The role of prudential regulation in managing critical risks of internationally active banks is examined in the context of financial crises. Topics covered also include management of country risk, international trade financing, structured products, project financing structures and economic capital management.

Global Environmental Governance:

This course establishes the theoretical underpinnings of green politics, including addressing traditional political theory and the environment, from conservatism to liberalism and neo-liberalism on the right, to Marxist and anarchist responses on the left. Next, case studies are taken from numerous countries and cultures where people are pursuing diverse green political goals through a myriad of political processes. These range from the informal dynamics of networks, groups and social movements through to the more institutionalized responses of organizations, corporations, mass media, legal systems, political parties, and governments. Environmental movements and their campaigns are selected from across the globe: from the more affluent worlds of Australasia, Europe and North America; to the majority worlds of Africa, South America and Asia.

Course Codes:

The course codes are designed in following way;

- First four English letters represent the field. For example, for economics discipline specific and core courses the code is ECON.
- The first digit represent the year in which course is offered. If the course is offered in first year, the code is 1, and if the course is offered in second year the code is 2.
- The second digit represents the difficulty level. 0 represent the basic level of the course, 1 represent the intermediate level and 2 represent advance level.
- The last third digit represent the course number in the specific year.

For example, the code ECON-101 assigned to Principles of Microeconomics. The code shows that it is the Discipline specific first basic course of the year first.

MBA (2-YEARS) CASE BASED PROGRAM

Program Goals:

Overall Educational Goals for MBA Program:

To equip the students with modern knowledge, understanding and skills required primarily to -

- Lead, restructure and contribute while undertaking strategic positions in local and multinational organizations in Pakistan and other countries.
- Initiate and develop successful entrepreneurial ventures especially at large scale

GENERIC LEARNING GOALS:

Goal 1- Strategic Thinking

Goal 2- Effective Learning & Planning

Goal 3- Managerial and Negotiation Communication Skills

Goal 4- Consultancy Skills

Goal 5- Effective Decision Making Skills

Goal 6- People Skills

Eligibility Criteria for Admission:

16 years education in business discipline with 60% or 2.2 G.P.A.

Program Details:

Duration : 02 Years

Semesters : 04 Semesters

Credit Hours : 60

Core Courses : 36 Credits

Electives : 09 Credits

Project (duration six months) : 12 Credits

HEC Requirement : 60-72 Credit Hours (May offer up to 30 Cr. Hrs exemption to 4yrs Business Graduates)

Other Requirements:

- Comprehensive Examination for award of degree.

COURSES OFFERED

Semester-I

Course Code	TITLE	Credit Hours	Pre-Req
ACC-502	Financial Reporting & Analysis	3+0	
MTS-501	Quantitative Methods for Decision Making	2+1	
MGT-505	Organizational Behavior and Leadership	3+0	
ECO-504	Managerial Economics	3+0	
ENG-502	Critical Thinking & Managerial Communication	3+0	

Semester-II

Course Code	TITLE	Credit Hours	Pre-Req
FIN-504	Strategic Financial Management	3+0	
LAW-501	Legal and Regulatory Environment of Business	3+0	
MKT-504	Strategic Marketing Management	3+0	
MGT-610	Supply chain & Operations Management	3+0	
	Elective-I	3+0	

Semester-III

Course Code	TITLE	Credit Hours	Pre-Req
MGT-610	Supply Chain Management	3+0	
MGT-611	Corporate Strategy	3+0	
MGT-612	Change Management & Innovation	3+0	
SSC-601	World History	3+0	
	Elective-II	3+0	

	Elective-III	3+0	
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Semester-IV

Course Code	TITLE	Credit Hours	Pre-Req
PRJ-601	MBA Project	6+0	

MS IN MANAGEMENT PROGRAM

Our students should be able to:

1. explore and analyze contemporary management concepts and theories in the areas of particular interest
2. identify the major stream of research in the area of particular interest and contribute in that area
3. demonstrate basic problem solving and technical skills related to business management
4. use latest computer technologies/software related to their area of research
5. work in collaborative and interdisciplinary contexts
6. communicate effectively
7. examine personal and community values and ethical dimensions of business management

MS in Management Program Goals & Objectives:

- 1. Explore and analyze contemporary management concepts and theories in the areas of particular interest.**
 - Students will be compatible with current market requirements.
 - Students will be able to work in diverse situations by developing insights in core business management concepts.
 - Students will be able to provide solutions to contemporary business problems both in local & International organizations.
- 2. Identify the major stream of research in the field of particular interest and contribute in that area**
 - Graduates who possess analytical skills to identify emerging research opportunities.
 - Students will possess both quantitative and qualitative research skills.
 - Students will be able to provide practical solutions to the problems faced by the society.
- 3. Demonstrate basic problem solving and technical skills related to business management**
 - Students will be able to generate multiple solutions and pick the most optimized solution
 - Students will work and excel in the challenging environment
- 4. Use latest computer technologies/software related to their area of research**

- Students will be able to use analytical computer softwares related to their research.
- Students will be able to use latest editing and referencing softwares related to their research.

5. Work in collaborative and interdisciplinary contexts

- Students will be able to synchronize their research with related disciplines
- Students will be able to conduct interdisciplinary research

6. Communicate effectively

- Students will be able to produce a well written research work
- Students will be able to present & defend their research findings

7. Examine personal and community values and ethical dimensions of business management:

- Students will be able to align their personal values with community values
- Students will be able to conduct their research according to the socio-cultural norms of the society.

MS in Management Program Detail:

Duration:	Minimum 2 years & Maximum 4 years
Semesters:	04
Credit Hours:	30

Sukkur IBA University offers MS program in Management. In this program, specializations include **Human Resource Management, Marketing, and Finance**. The minimum duration of completion of MS is 2 years and maximum duration is 4 Years. The prime objective of this programme is to prosper, flourish and extend the great knowledge and traditions of Management Sciences through rigorous research and dedicated education in order to benefit society and the country.

Eligibility Criteria For Admission

- BBA 4 years programme 124 – 136 Credit Hours with minimum CGPA of 2.2
- 16-years of education in related fields MBA/MPA/M.Com with at least first division from a HEC recognized institution OR secured 60%.
- Candidate must have passed the NTS test before applying for admission.
- Candidate must have to appear in Sukkur IBA University Admission test for MS/M.Phil.
The test is composed of:
 - 50% from relative field subjects
 - 25% from English.

- 25% from Mathematics

Ms In Management Sciences Degree Requirements

For the completion of MS degree, the candidate must fulfill the following requirements:

- Candidate must secure minimum 2.2 CGPA
- Candidate must submit the thesis and defend his/her thesis. The thesis must be approved by internal and external examiners.
- Candidates must have cleared NTS GAT (General) test.

POLICIES

➤ **Drop-out Policy**

There will be no drop-out concept in MS program and candidates can repeat/re-sit in course(s) and complete the degree in maximum four years with minimum Cumulative GPA of 2.2 (on a scale of 4).

➤ **Course Withdrawal Policy**

- Students can withdraw from any registered course(s) after taking maximum classes of 12 credit hours of that course(s)
- Withdraw course(s) will not be mentioned in the transcript of the student.
- Fee of withdrawal course(s) will be adjusted / refunded to the students.
- In case of attending any course for more than 12 credit hours, full fee of the course will be charged.

➤ **Attendance Policy**

The scholars are allowed for not more than 6 (Six) absences in the course of a regular semester.

PhD in MANAGEMENT

PHD IN MANAGEMENT PROGRAM GOALS

Our students should be able to:

1. acquire advanced and in-depth knowledge in the specialized field to develop their own concepts resulting into knowledge creation
2. apply their conceptual knowledge for the betterment of community
3. have excellent research capability to contribute to their academic societies
4. work in collaborative and interdisciplinary contexts with ethical integrity
5. have capability to develop well written and well reviewed piece of research

Phd In Management Program Goals & Objectives

- 1. Acquire advanced and in depth knowledge in the specialized field to develop their own concepts resulting into knowledge creation**
 - Student will acquire in-depth theoretical knowledge in specialized discipline
 - Students keep themselves abreast of growing related literature in their respective research fields
 - Students will aim to conduct a rigorous research that aims at addressing a specific problem of the society.
- 2. Apply their conceptual knowledge for the betterment of community**
 - Students will be able of utilizing conceptual knowledge in building theoretical models of research that will be beneficial for the society
 - Students will be able to identify, define, and provide solutions for the key societal problems.
- 3. Have excellent research capability to contribute to their academic societies**
 - Students will learn and share current research interests and issues through collaboration.
 - Students research work will enhance their contribution in the academic research.
- 4. Work in collaborative and interdisciplinary contexts with ethical integrity**
 - Students will be able to synchronize their research with related disciplines.
 - Students will be able to conduct interdisciplinary research.
- 5. Have capability to develop well written and well reviewed piece of research**
 - Students will be able to produce a well written research work.
 - Students will be able to present & defend their research findings.

PhD (IN MANAGEMENT)

Duration:	Minimum 03 Years & Maximum 05 years
Semesters:	06
Credit Hours:	48

ELIGIBILITY CRITERIA FOR PHD

- Candidate must have 18 years of education (MS/M.Phil/MBA) with thesis in relevant field with minimum of 70% or 3.0 CGPA from the HEC recognized university/institution
- Candidate have passed international subject GRE/NTS (GAT-Subjective) subject test.
- Candidate must appear in Sukkur IBA University Admission test for PhD. The test is composed of:
 - 50% from related subjects
 - 25% from English
 - 25% from Mathematics

DESIGN OF THE PROGRAM

PhD in management program mainly focuses on the areas of the specialization, i.e., **Finance, Marketing, & HRM**. In this program students have to take four elective courses and two seminars/independent studies from their selected area of specialization. The students will choose the electives on the recommendation of the supervisor that will be allocated to students on the very first day of admission.

POLICIES

➤ **Admission Policy in PhD Program**

- Applicant who has MS with course shall be given provisional admission in Sukkur IBA University's PhD program that he/she can make at least one research publication in HEC recognized research journal with approval of the Doctoral Committee or submit and defend one research based Mini- Thesis before Doctoral Committee,
- The candidate will have to complete either condition within one year from the date of admission in PhD Program.

➤ **Drop-out Policy**

There will be no drop-out concept in MS program and candidates can repeat/re-sit in course(s) and complete the degree in maximum four years with minimum Cumulative GPA of 2.5 (on a scale of 4)

➤ **Course Withdrawal Policy**

- Students can withdraw from any registered course(s) after taking maximum classes of 12 credit hours of that course(s)
- Withdraw course(s) will not be mentioned in the transcript of the student.

- Fee of withdrawal course(s) will be adjusted / refunded to the students.
- In case of attending any course for more than 12 credit hours, full fee of the course will be charged.

➤ **Attendance Policy:**

The scholars are allowed for not more than 6 (Six) absences in the course of a regular semester.

DEPARTMENT OF COMPUTER SCIENCE:

Mission Statement:

“The mission of Computer Science Department is to provide quality education in both theory and applications of computer science, information technology and software engineering to serve the community. We aim to integrate with other departments for achieving knowledge as a whole. We strive to equip our graduates with awareness of ethical norms and technological skills to promote their entrepreneurial behavior and leadership expertise.”

Goals and Objectives of the Degree Programs

Goals and objectives of Bachelors of Science (Computer Science) BS (CS)

1. Adequate Domain Knowledge:

To produce graduates who possess adequate knowledge and skills to qualify to become competent applications developer, database programmer / designer, systems developer / analyst or network administrator / manager etc. The objectives of this goal are to produce graduates having:

- a. Knowledge of core computing, mathematics, and science fitting to the discipline.
- b. Ability to apply acquired knowledge in developing solutions using state-of-the-art methods, techniques, skills, and tools.
- c. Skills to construct software programs using latest programming languages.

2. Critical Analysis and Problem Solution:

To produce graduates who can critically analyze a problem, and develop appropriate computer-based solution by identifying the computing requirements for that solution. The objectives of this goal are to produce graduates having:

- a. Ability to critically analyze a problem, identify computing requirements for its different solutions and apply the most optimized solution.
- b. Ability to design, implements, and evaluate computer-based system solutions.
- c. Ability to apply design and development principles in the construction of automated solutions for various problems.

3. Multidisciplinary Approach:

To familiarize graduates with multi-disciplinary work style. The objectives of this goal are to produce graduates having:

- a. Ability to work effectively in multidisciplinary teams to accomplish a common goal.
- b. Sufficient domain knowledge of relevant disciplines.
- c. Skills to use software project management tools and methods

4. Aware of state-of-the-art Technologies:

To produce graduates well aware of technological advancements in the field of computer science that enables them in decision making. The objectives of this goal are to produce graduates having:

- a. Awareness of emerging trends and changes in computing domain.
- b. Ability to conceive and select market oriented projects for Final Year Projects
- c. Skill to provide effective consultations to organizations requiring computer-based solutions.

5. Effective Communication:

To produce graduates who can effectively communicate their ideas and work, both orally and in writing. The objectives of this goal are to produce:

- a. Graduates who communicate effectively with diverse stakeholders
- b. Graduates who possess ability to write research proposal and project reports.
- c. Graduates who possess ability to present research and development work.

6. Ethical Values:

To produce graduates well aware of professional, ethical, legal, security and social dimensions. The objectives of this goal are to produce graduates having:

- a. Ability to demonstrate professional approach in work at Institute as well as at workplace.
- b. Ability to exhibit ethical behavior within colleagues, Institution, workplace and society.
- c. Ability to realize the legal values for using software and other intellectual properties.

7. Society Services:

To sensitize the graduates about the impact of their technological work on society and environment. The objectives of this goal are to produce graduates having:

- a. Skills to identify real-world problems and provide computing solutions for these problems.
- b. Skills to understand current environmental issues of today's electronic world.

Goals and objectives of Bachelors of Science (Software Engineering) BS (SE)

The main goals of BS (Software Engineering) program are:

1. Adequate Domain Knowledge:

To produce graduates who possess adequate knowledge and skills to qualify to become a competent software engineer, applications developer, systems developer / analyst. The objectives of this goal are to produce graduates having:

- a. Knowledge of core software engineering, mathematics, and science, fitting to the discipline.
- b. Ability to apply this knowledge in developing software solutions using state-of-the-art methods, techniques, skills, and tools.
- c. Skills to construct software programs using latest high level programming languages.

2. Critical Analysis and Problem Solution:

To produce graduates who can critically analyze a problem, and develop appropriate software solution by identifying the software requirements for that solution. The objectives of this goal are to produce graduates having:

- a. Ability to critically analyze a problem, identify software requirements for its different solutions and apply the most optimized solution
- b. Ability to design, implement, and evaluate a software solution.
- c. Ability to apply design and development principles in the construction of automated software solutions for various problems.

3. Software engineering Tools and methods:

To produce graduates who can use appropriate software engineering tools and methods to model, simulate and test their design. The objectives of this goal are to produce graduates having:

- a. Ability to use diverse software engineering tools and techniques.
- b. Skills to use various simulations applications and packages
- c. Awareness of software development life cycle and CASE tools.
- d. Awareness of software quality assurance standards.

4. Aware of state-of-the-art Technologies:

To produce graduates well aware of technological advancements in the field of Software Engineering that enables them in decision making.

- a. Consciousness of current trends and changes in computing domain. Ability to select market oriented projects for FYPs
- b. Skills to offer effective consultations to organizations requiring computer-based solutions.

5. Effective Communication:

To produce graduates who can effectively communicate their ideas and work, both orally and in writing. The objectives of this goal are to produce:

- a. Graduates who can communicate effectively with a range of audiences
- b. Graduates who possess ability to write research and development reports. Ability to present research and development work.

6. Ethical Values:

To produce graduates well aware of professional, ethical, legal, security and social paradigms. The objectives of this goal are to produce graduates having:

- a. Ability to demonstrate professional approach in research and development work at Institute as well as at workplace.
- b. Ability to reflect ethical behavior among colleagues, Institution, workplace and general society.
- c. Ability to realize the legal values for using software and other intellectual properties.
- d. Ability to properly serve the society through the application of computer technology.

7. Society Services:

To sensitize the graduates about the impact of their technological work on society and environment. The objectives of this goal are to produce graduates having:

- a. Skills to identify social problems and provide computing solutions for these problems.
- b. Skills to understand the needs for current society and environment of today's electronic world.

Structure of BS (AI) Program

Areas Covered in BS AI program

Course Group	Credit hours
General Education	16
University Electives	09
Mathematics & Science Foundation	12
Computing – Core	39
Common courses (76 CH)	
Domain (AI)	
Domain Core (AI)	24
Domain Supporting (AI)	09
Domain Electives (AI)	21
Domain courses (54 CH)	
TOTAL	130

Study Schema of BS Artificial Intelligence

General Education

General Education Courses (Credit Hours: 16)				
#	Code	Course Title	Credit Hours	Proposed Semester
1	HUM-101	Islamic Studies/Ethics	2(2+0)	Semester-I
2	HUM-102	Pakistan Studies	2(2+0)	Semester-I
3	ENG-101	English Composition & Comprehension	3(3+0)	Semester-I
4	ENG-150	Communication and Presentation Skills	3(3+0)	Semester-II

5	ENG-301	Technical Writing	3(3+0)	Semester-V
6	CSC-101	Introduction to Information and Communication Technology (ICT)	3(2+1)	Semester-I
Total			16	

□ **University Elective Courses**

University Elective Courses (Required Credit Hours: 09)		
#	Course Title	Credit Hours
1.	Principles of Management	3(3+0)
2.	E-Business Management	3(3+0)
3.	Technology Entrepreneurship	3(3+0)
4.	<i>Professional Practices</i>	3(3+0)
5.	Financial Accounting	3(3+0)
6.	<i>Research Methods in Computer Science</i>	3(3+0)
7.	Management Information Systems	3(3+0)
8.	Organizational Behavior	3(3+0)
9.	Human Resource Management	3(3+0)

University Elective Courses (Required Credit Hours: 09)		
10.	Financial Accounting	3(3+0)
11.	Financial Management	3(3+0)
12.	Principles of Marketing	3(3+0)
13.	Introduction to Economics	3(3+0)
14.	Psychology	3(3+0)
15.	International Relations	3(3+0)
16.	Foreign/Regional Language (French, German, Sindhi, Punjabi, Urdu etc.)	3(3+0)
17.	Philosophy	3(3+0)
18.	System Analysis & Design	3(3+0)

□ **Mathematics and Science Foundation:**

Mathematics and Science Foundation Courses (Credit Hours: 12)				
#	Code	Course Title	Credit Hours	Proposed Semester
1	PHY-150	Applied Physics	3(2+1)	Semester-II
2	MTS-150	Calculus and Analytic Geometry	3(3+0)	Semester-II
3	MTS-250	Linear Algebra	3(3+0)	Semester-IV
4	MTS-251	Probability and Statistics	3(3+0)	Semester-IV
5	MTS-101	Precalculus	Non-Credit	Semester-I
Total			12	

□ **Computing Core**

Computing Core Courses (Credit Hours: 39)				
#	Code	Course Title	Credit Hours	Proposed Semester
1	CSC-102	Programming Fundamentals	4(3+1)	Semester-I
2	CSC-151	Discrete Structures	3(3+0)	Semester-II
3	CSC-150	Object-Oriented Programming	4(3+1)	Semester-II
4	CSC-201	Data Structures	4(3+1)	Semester-III
5	SWE-201	Software Engineering	3(3+0)	Semester-III
6	CSC-252	Operating Systems	4(3+1)	Semester-IV
7	CSC-301	Computer Networks	4(3+1)	Semester-V
8	CSC-251	Database Systems	4(3+1)	Semester-IV
9	CSC-401	Information Security	3(3+0)	Semester-VII
10	FYP-401	Project-I	3(0+3)	Semester-VII
11	FYP-451	Project-II	3(0+3)	Semester-VIII
Total			39	

Artificial Intelligence Core

Artificial Intelligence Core Courses (Credit Hours: 24)				
#	Code	Course Title	Credit Hours	Proposed Semester
1	CSC-250	Machine Learning	3(2+1)	Semester-VI
2	CSC-304	Data Mining	4(3+1)	Semester-V
3	CSC-301	Deep Learning	3(2+1)	Semester-VIII
4	CSC-250	Artificial Intelligence	4(3+1)	Semester-IV
5	CSC-351	Design and Analysis of Algorithms	3(3+0)	Semester-VI
6	CSC-352	Bigdata Analytics	3(2+1)	Semester-VI
7	CSC-452	Robotics Fundamentals	3(2+1)	Semester-VI
Total			24	

Artificial Intelligence SUPPORTING

Artificial Intelligence SUPPORTING Courses (Credit Hours: 09)				
#	Code	Course Title	Credit Hours	Proposed Semester
1	MTS-201	Multivariate Calculus	3(3+0)	Semester-III
2	MTS-301	Differential Equations	3 (3+ 0)	Semester-V
3	ESE-201	Digital Logic Design	4(3+1)	Semester-III
Total			09	

Artificial Intelligence Elective

Artificial Intelligence ELECTIVE Courses (Required Credit Hours: 21)		
#	Course Title	Credit Hours
1	Digital Signal Processing	3(3+0)
2	Scientific Computing	3(2+1)
3	Digital Image Processing	3(3+0)
4	Computer Vision	3(3+0)
5	Web Engineering	3(3+0)
6	Recommender System	3(3+0)
7	Natural Language Processing	3(3+0)

Artificial Intelligence ELECTIVE Courses (Required Credit Hours: 21)		
#	Course Title	Credit Hours
8	Sensing Technologies	3(3+0)
9	Reinforcement Learning	3(2+1)
10	Emerging Trends in AI	3(3+0)
11	Mobile Application Development	3(3+0)
12	Case-based Reasoning	3(3+0)
13	Speech Signal Processing	3(3+0)
14	Stochastic Processes	3(3+0)
15	Expert Systems	3(3+0)
16	Social Network and AI	3(3+0)
17	Fuzzy Logic	3(3+0)
18	Computational Intelligence	3(3+0)

19	Multi Agent System	3(3+0)
20	AI for Finance	3(3+0)
21	Information Retrieval	3 (3+0)
22	Computational Linguistics	3 (3+0)
23	Medical Imaging	3 (3+0)

Semester Wise Study Plan - BS Artificial Intelligence

Semester I (Credit Hours: 14)

#	Code	Course Name	Category	Credit Hours	Pre-Requisite
1	CSC-101	Introduction to Information and Communication Technology (ICT)	General Education 1	3(2 + 1)	-NONE-
2	CSC-102	Programming Fundamentals	Computing Core 1	4(3+1)	-NONE-
3	ENG-101	English Composition and Comprehension	General Education 2	3(3+0)	-NONE-
4	MTS-101	Pre- Calculus	Maths & Science 1	Non - Credit	-NONE-
5	HUM-101	Islamic Studies/Ethics	General Education 3	2(2+0)	-NONE-
6	HUM-102	Pakistan Studies	General Education 4	2(2+0)	-NONE-
Total Credit Hours				14	

Semester II (Credit Hours: 16)

#	Code	Course Name	Category	Credit Hours	Pre-Requisite
1	CSC-150	Object-Oriented Programming	Computing Core 2	4(3+1)	CSC-102
2	MTS-150	Calculus and Analytic Geometry	Maths & Science 2	3(3+0)	MTS-101
5	ENG-150	Communication and Presentation Skills	General Education 5	3(3+0)	-NONE-
4	CSC-151	Discrete Structures	Computing Core 3	3(3+0)	-NONE-

5	PHY-150	Applied Physics	Maths & Science 3	3(2+1)	-NONE-
			Total Credit Hours	16	

Semester III (Credit Hours: 17)

#	Code	Course Name	Category	Credit Hours	Pre-Requisite
1	CSC-201	Data Structures	Computing Core 4	4(3+1)	<i>CSC-102</i>
2	xxx-xxx	Uni – Elective - I	Uni elective 1	3(3+0)	--
3	ESE-201	Digital Logic Design	AI Support 1	4(3+1)	-NONE-
4	MTS-201	Multivariate Calculus	AI Support 2	3(3+0)	MTS-150
3	SWE-201	Software Engineering	Computing Core 5	3(3+0)	-NONE-
Total Credit Hours				17	

Semester IV (Credit Hours: 18)

#	Code	Course Name	Category	Credit Hours	Pre-Requisite
1	CSC-252	Operating Systems	Computing Core 6	4(3+1)	-NONE-
2	MTS-251	Probability and Statistics	Math & Science 5	3(3+0)	-NONE-
3	MTS-250	Linear Algebra	Maths & Science 4	3(3+0)	NONE-
4	CSC-251	Database Systems	Computing core 7	4(3+1)	-NONE-
5	<i>CSC-250</i>	<i>Artificial Intelligence</i>	<i>AI Core 2</i>	<i>4(3+1)</i>	<i>-NONE-</i>
Total Credit Hours				18	

Semester V (Credit Hours: 17)

#	Code	Course Name	Category	Credit Hours	Pre-Requisite
1	MTS-301	Differential Equations	AI Support 3	3(3+0)	MTS-150
2	CSC-301	Computer Networks	Computing Core 8	4(3+1)	-NONE-
3	CSC-304	Data Mining	AI Core 3	4(3+1)	CSC-251

4	ENG-301	Technical Writing	General Education 6	3(3+0)	-NONE-
5	xxx-xxx	Uni – Elective - II	<i>Uni elective 2</i>	3(3+0)	-NONE-
Total Credit Hours				17	

Semester VI (Credit Hours: 18)

#	Code	Course Name	Category	Credit Hours	Pre-Requisite
1	CSC-350	Machine Learning	AI Core 4	3(2+1)	CSC-350
2	xxx-xxx	AI – Elective I	AI Elective 1	3(3+0)	-NONE-
1	CSC-353	Information Security	Computing Core 9	3(3+0)	-NONE-
4	CSC-352	Big Data Analytics	AI Core 5	3(2+1)	-NONE-
5	CSC-351	Design and Analysis of Algorithms	AI Core 6	3(3+0)	CSC-201
6	CSC-354	Robotics Fundamentals	AI Core 8	3(2+1)	-NONE-
Total Credit Hours				18	

Semester VII (Credit Hours: 15)

#	Code	Course Name	Category	Credit Hours	Pre-Requisite
1	xxx-xxx	AI – Elective II	AI Elective 2	3(3+0)	-NONE-
2	xxx-xxx	AI-Elective-III	AI Elective 3	3(3+0)	---
3	CSC-401	Deep Learning	AI Core 7	3(2+1)	CSC-250
4	xxx-xxx	Uni – Elective - III	Uni Elective 3	3(3+0)	-NONE-
5	FYP-401	Project-I	Computing Core 10	3(0+3)	-NONE-
Total Credit Hours				15	

Semester VIII (Credit Hours: 15)

#	Code	Course Name	Category	Credit Hours	Pre-Requisite
1	xxx-xxx	AI-Elective-IV	AI Elective 4	3(3+0)	---
2	xxx-xxx	AI-Elective-V	AI Elective 5	3(3+0)	---
3	xxx-xxx	AI-Elective-VI	AI Elective 6	3(3+0)	---
4	xxx-xxx	AI-Elective-VII	AI Elective 7	3(3+0)	--
5	FYP-451	Project-II	Computing Core 11	3(0+3)	FYP-401
Total Credit Hours				15	

MS & PhD COMPUTER SCIENCE PROGRAM

Vision

To produce high-class scholars, industrialists and citizens who will utilize their knowledge of problem solving for the benefit of mankind.

Mission Statement

The mission of the MS/PhD program offered by Faculty of Sciences and Information Technology (FSIT) is to develop independent thinkers who can provide leadership in the IT industry or academia, with deep insights in the computer science, a broad perspective in the established and emerging fields of computing, and expertise in fields of their choice.

Objectives

- To develop highly skilled professionals with capability of adapting in the dynamic field of Computer Science.
- To prepare graduates with knowledge, skill and research orientation to pursue advanced studies and research in computer science and related engineering and scientific disciplines.
- To prepare students for the leadership role in the field of Information and Communication Technologies.
- Apply fundamental theory and practical methods to design and develop computer intensive systems.

Program Outcomes

- Graduates will have a solid foundation in computer science with advanced knowledge of one or more areas of specialization.
- Graduates will demonstrate their ability to apply their knowledge to practical problems on projects involving people from different educational and cultural backgrounds.
- Graduates will exhibit cross-cultural communication skills and understand how international and regional differences influence and how work is done in the professional environment.
- Graduates will have capability of effective writing and oral communication skills particularly with respect to preparing, publishing, and presenting technical material to diverse audiences.
- Graduates will exhibit skills for adapting new environments and technologies, adapting to cultural differences, and embracing life-long learning.

MS in Computer Sciences

Specialization Areas:

1. Database and Multimedia Systems
2. Computer Networks (CN)

MS in Software Engineering

Eligibility Criteria for MS (CS/SE)

Admission is purely merit-based and depends exclusively on the following factors:

- Academic Eligibility
- Performance in the Sukkur IBA University Graduate Admission Test
- Interview Performance
- **Academic Eligibility:**
 - **For MS in Computer Science and MS in Software Engineering**
 - BS/B.E., in Computer Science/Engineering, Software Engineering, Telecommunication Engineering, Electrical Engineering, and Electronics Engineering 4 Years Degree Program (min 130 credit hours), or
 - 16-year Science and Engineering graduates are eligible but they have to make good.
 - **Sukkur IBA University Graduate Admission Test (SIBAGAT)**
 - The applicant has to appear in Sukkur IBA University Admission test that is equivalent to GRE (General and Subjective) test.
 - Followed by comprehensive written test (English, and Mathematics) which is especially designed for deficiency measurement.
 - **Interview Performance:**
 - Only shortlisted applicants will be invited for interview.
 - Finally, applicants will be shortlisted on the basis of their academic performance and admission test scores.
- **Degree Requirements for MS in Computer Sciences (CS) and MS in Software Engineering (SE):**
 - For completion of MS degree, the candidates must fulfill the following requirements:
 - Candidate must have completed MS studies through Thesis work or Project
 - MS with Thesis Work:
 - Candidates must have completed 24 credit hours Course work.
 - Candidate must submit the thesis and defend their thesis after they are approved by the internal and the external examiners.
 - MS with Project Work:
 - Candidates must have completed 27 credit hours Course work.
 - Candidate must submit the Project report and defend in front of Doctoral Committee.

- Candidate must have cleared two non-credit courses offered as SIBA Core courses
- Candidate must have cleared NTS-(GAT) test
- Candidate must secure/maintain minimum Cumulative GPA of 2.2 (on a scale of 4)

PhD in Computer Sciences

Specialization Areas:

- 1. Soft Computing**
- 2. Databases and Information Systems**
- 3. Computer Networks**

PhD (Computer Sciences)

Duration: 3 Years, 6 Semesters Credit Hours: 48

Overview:

- The general purpose of the PhD program is to provide an educational experience, which will enable its graduates to develop new knowledge in the discipline.
- PhD candidates are fundamentally driven by their desire to advance the state of the art, and to discover new phenomena, theories and applications that were previously unknown.
- The Sukkur IBA University PhD Program puts emphasis on rigorous coursework and high quality research that should be published in peer-reviewed international conferences and journals. A PhD student is encouraged to tackle both course work and research in parallel; success in both these components is a requirement for the award of the PhD degree.
- Following is a list of research topics being offered in the PhD program. This list is not exhaustive and can be changed depending upon faculty interests.
 - Soft Computing
 - Database and Information Systems
 - Computer Networks

Eligibility Criteria for PhD (Computer Sciences)

Admission is purely merit-based and depends exclusively on the following factors:

- Academic Eligibility
- Performance in the Sukkur IBA University Graduate Admission Test
- Interview Performance
- **Academic Eligibility:**
 - MS (Computer Science, Software Engineering, Information Technology) 18 years degree

- 18-year Computer Science and Engineering graduates are eligible but they have to make good.
 - Student must possess the degree of MS/M.Phil with minimum of 70% or CGPA 3.0 (out of 4.0 in the Semester System)
- or

First Division (in the Annual System) in MS/M.Phil Equivalent is required from the HEC recognized university/institution

➤ **Additional Requirements:**

- GRE (International) Subject Test with minimum 60% Percentile Score
- Or

In the case of GAT Subject test a minimum of 60% marks is required to pass the test

- Two references from the institute/university last attended
- Brief proposal indicating research interests

➤ **Sukkur IBA University Graduate Admission Test (SIBAGAT)**

- The applicant has to appear in Sukkur IBA University Admission test that is equivalent to GRE (General and Subjective) test
- The test is composed of 50% percent from relative field of subjects and 50% from English and Mathematics.

➤ **Interview Performance:**

- Only shortlisted applicants will be called for interview.
- Finally, applicants will be shortlisted on the basis of their academic performance and admission test scores

Degree Requirements for PhD in Computer Sciences

- For completion of PhD degree, the candidates must fulfill the following requirements:
 - Candidate must take and pass the PhD Comprehensive Examination after the completion of course work. The comprehensive Examination will be conducted by the Doctoral Committee.
 - Candidate of PhD program must have their research work conducted at Sukkur IBA University and the research should be accepted by and published in HEC recognized journals. It is also necessary that the research must be accepted prior to final dissertation defence.
 - The Candidate must have cleared GRE (International) Subject Test according to HEC criteria.

- After successful completion of the doctoral research, the candidate will present the draft of the PhD dissertation to the Doctoral Committee in the prescribed format. The dissertation will be sent to overseas experts for evaluation, after it approved by PhD Doctoral Committee. After the approval of PhD dissertation by the external examiner, the candidate will be asked to appear for his PhD dissertation defence by making a formal presentation. If required, the Doctoral Committee may recommend changes to be incorporated in dissertation within a permitted time and to be resubmitted to the Doctoral Committee for final approval.

Distribution of Total Credit Hours

Category of Area	Credit Hours
Course Work	18
Thesis	30
Total Credit Hours	48

Scheme of Studies for PhD in Computer Sciences (Credit Hrs.: 48)

Note: All courses have 3 credits each

First Year: Semester I (Credit hrs.: 09)

Course Title	Credits Hours
Specialization Core-I	3
Specialization Core-II	3
Seminar-I	3
Total	09

First Year: Semester II (Credit hrs.: 09)

Course Title	Credits Hours
Specialization Elective-I	3
Specialization Elective -II	3

Seminar-II	3
Total	09

Second Year: Semester III

Course Title	Credits Hours
Comprehensive Examination	
Writing of Research Proposal for Dissertation	
First Seminar for Proposal	

Second Year: Semester IV

Course Title	Credits Hours
Dissertation	

Third Year: Semester V

Course Title	Credits Hours
Dissertation	

Third Year: Semester VI

Course Title	Credits Hours
Dissertation	

Specialization Electives for Soft Computing

Category: Soft Computing

Course Title	Credit Hours	Expected Offering
Advanced Topics in Artificial Intelligence	3	Fall / Spring
Fuzzy Logic	3	Fall / Spring
Neural Networks	3	Fall / Spring

Genetic Algorithms and Evolutionary Computing	3	Fall / Spring
Probabilistic Networks	3	Fall / Spring

Category: General Electives for Soft Computing

Course Title	Credit Hours	Expected Offering
Pattern Recognition Techniques	3	Fall / Spring
Computer Vision	3	Fall / Spring
Expert System	3	Fall / Spring
Machine Learning	3	Fall / Spring
Natural Language Processing	3	Fall / Spring

*Electives (Specialized Areas)-Not limited to the list given above/Subject to the availability of the Faculty

Specialization Electives for Databases and Information Systems

Specialization Core and Specialization Elective courses can be selected from the List of MS Courses

Specialization Electives for Computer Networks

Specialization Core and Specialization Elective courses can be selected from the List of MS Courses

DEPARTMENT OF ELECTRICAL ENGINEERING:

Mission Statement:

“The mission of the Department of Electrical Engineering is to produce high quality engineers through academic excellence and meritorious platform by infusing ethical values, innovative and leadership qualities in the product to address societal needs besides imparting engineering education and research based on sound technical knowledge to contribute in commercial and entrepreneurial ventures.”

Goals and Objectives:

The main goals and objectives of BE (Electrical Engineering) program are to produce engineers:

1. To contribute in the fields of Telecommunication, Electronics, Computer Systems and Power Engineering to add value at national & international levels. The specific objectives are to:
 - a. Acquire and apply professional knowledge in science, mathematics and core disciplines of engineering
 - b. Develop oral & written communication skills and to apply technical knowledge for problem solving and independent learning.
 - c. Appreciate the application of engineering practices to address societal needs.
2. To serve corporate enterprises and to initiate entrepreneurship with their acquired scientific and technical skills. The objectives are to:
 - a. Design & conduct experiments as well as to analyze & interpret data.
 - b. Work with multi-disciplinary teams for socio-economic uplift of the society.
 - c. Develop components, processes and systems to meet the engineering requirements.
 - d. Make use of modern tools needed for effective engineering practices.
3. To understand contemporary issues and the impacts of technology on society and environment. The specific objectives are to produce engineers who possess:
 - a. Up-to-date knowledge of latest issues and emerging technologies.
 - b. Thorough understanding of the humanities and social sciences.
 - c. Awareness of the impacts of products on the environment.
4. To create awareness to promote the national moral and establish legal & ethical practices to help create a crime-free and just society. The specific objectives are to produce engineers who:
 - a. Uphold ethical and moral values in their respective disciplines.
 - b. Understand legal, cultural, ethnic norms.
5. To demonstrate intellectual capabilities in research and practical engineering problems. The specific objectives are to produce engineers who possess the ability to:

- a. Apply natural and mathematical sciences to solve engineering problems.
 - b. Use the most relevant equipment, engineering tools and techniques.
 - c. Recognize engineering problems and provide suitable solutions.
6. To possess technical engineering skills to function effectively in the work environment as well as in the society. The specific objectives are to produce engineers having capability to:
- a. Communicate clearly and concisely.
 - b. Lead and work as effective team members.

ME- Electrical Engineering

The objective of this program is to establish a meritorious platform and center of excellence in the diverse fields of electronics and communication. With highly qualified faculty and excellent on-campus facilities. This program is ideally suitable for mid-career professionals and fresh graduates looking to augment their technical competence with consolidated teaching/ learning of advanced and emerging technologies and research.

Degree Requirements for ME

For completion of ME degree, the candidates must fulfill the following requirements:

Candidate must have completed ME studies either through Thesis work or through Course work.

ME with Thesis Work:

- Candidates must have completed 24 credit hours Course work.
- Candidate must submit the thesis and defend their thesis after they are approved by the internal and the external examiners

ME with Course Work:

- Candidates must have completed 30 credit hours Course work.
- Candidate must submit the Project report and defend in front of Doctoral Committee.
- Candidate must have cleared two non-credit courses offered as SIBA Core courses
- Candidate must secure/maintain minimum Cumulative GPA of 2.2 (on a scale of 4)

Eligibility Criteria

Candidate must have 16 years of education in relevant field with at least first division or 2.2 CGPA secured in annual examination from any HEC recognized university/Institution. Candidate should have either cleared GAT-General with atleast 50% marks or appear in SIBA Graduate Test-General to secure admission.

Introduction to PhD Electrical Engineering Program

Sukkur IBA University is an emerging seat of higher learning located in the strategically important city of Sukkur in the north of Sindh. Being the only university on the left bank of river Indus, Sukkur IBA caters to vast catchment area spanning from Larkana, Shikarpur and Jacobabad to Balochistan in the west, Sadiqabad, Rahimyar Khan and Bahawalpur in the north and Dadu, Moro, Noushero Feroze and Shaheed Benazirabad in the south.

Setting up a Postgraduate program will go long way in equipping the youth of this region with both technical and theoretical prowess required for indigenous design and development of products in the vast field of Electrical Engineering.

With extra-ordinary investment in both infrastructure and human resource development Sukkur IBA University aspires to become a leading player at the provincial and national level.

The department has at its disposal highly qualified and experienced faculty in the fields of electrical power systems, renewable energy sources, conventional and smart grid systems, power electronics, signal/image processing, robotics, machine learning, artificial intelligence, VLSI design, application design using FPGA/ASIC. This program is specifically designed to inculcate necessary theoretical foundation as well as thorough exposure to technical processes including hardware/software platforms.

The department of Electrical Engineering is offering an undergraduate program since last 10 years. The program is duly recognized by Pakistan Engineering Council. It's the one of the few program in Sindh province to be awarded accreditation based on Outcome Based Assessment (Level II Accreditation) in line with Washington Accord.

With more than 18 Full-time foreign qualified Ph.Ds on campus and another 16 scholars pursuing their Doctoral studies at the top universities of the world, Department of Electrical Engineering at Sukkur IBA University is well placed to lead the region by driving growth through academic excellence and technological innovation.

Program Structure

The program is offered as a regular program. The program comprises of 06 semesters. The students can take up to 12 credit hours in each semester. The minimum duration for completion of degree is 3 years while maximum duration is 05 years.

The program will commence from 15th January, 2020

Objectives of the program

The general objectives of the program are as follows:

- i. The graduates would demonstrate academic proficiency in their field of expertise through publication.

- ii. The graduates would be able to undertake technical problems facing local and international industry through technical/scientific rigor.
- iii. The graduates would demonstrate integrity and honesty in their academic and professional endeavor.

Ph.D. in Electrical Engineering is research-oriented program offering interested scholars with an opportunity to delve deeper into contemporary research.

The wide spectrum of the program caters to the needs of bright Electrical Engineering students of the region and beyond. Department of Electrical Engineering boasts state-of-the-art facilities and highly qualified faculty including 20 foreign qualified PhDs and 7 MS faculty members specializing in different sub-domains of electrical engineering.

Scope regarding market, social and employment perspective of program

The Ph.D. of Electrical Engineering program offers aspiring students access to high quality education. Sukkur IBA boasts state of the art laboratory and academic infrastructure very significant program for the students of the region.

The proposed program offers students to specialize in Power Systems, Electronics Systems Design and Communication & Signal Processing, Robotics and Artificial Intelligence and Nano Engineering.

These scholars would be ideally placed for Academic and Research Career. The graduates of this program will possess all requisite scientific and technical skills to pursue their academic / research career in the field of their interest. These students will also possess the ability to critically analyze scientific literature and publish their finding in reputable journals.

The program pivots around applied research which means that the scholars will aim at contemporary research problems faced by industry and focus on solutions which translate into patentable intellectual property.

Entry/admission requirement of the program

Academic Eligibility

- A. MS in (Electrical, Electronics, Telecommunication, Computer, Environment, Mechatronics, Renewable Energy Engineering) with thesis component.
- B. The students must possess an MS/ME degree with a minimum of 70% or CGPA 3.0 (out of 4.0 in semester system) or first division in annual system from an HEC recognized University / institute.

NTS GAT General TEST/ SIBA Graduate Test

GRE International / NTS / STS (GAT subject test) as per criteria laid down by HEC.

- GRE (international) subject test with minimum 60% percentile score or
- In case of GAT subject test with minimum of 60% marks.

Interview Performance

Only shortlisted applicants on the basis of GAT (General)/SIBA Graduate Test will be invited for interview.

Score Card

Category	Weightage
GAT (General)/SIBA Graduate Test	50%
Interview	25%
Research Proposal	25%

a) Durations of the program and semester wise breakup of workload/credit hours

The minimum duration of completion is 3 years while maximum duration is 5 years. The program consists of teaching load of 24 credit hours whereas the thesis component amounts to 30 credit hours. Full-details of the course schema and semester-wise breakup is available in the Annexure C and D.

b) PhD thesis review policy

The procedure adopted for submission, assessment and final evaluation is documented in Annexure E.

c) Policy of publication of research papers in HEC recognized journals

In line with the policies of Higher Education Commission, candidates are required to publish at-least one research article based on his/her research in an HEC approved 'W or X' category journal.

Course Scheme for Doctor of Philosophy in Electrical Engineering

COURSE DISTRIBUTION		
Core Courses	03	09 Credit Hours

Elective Courses	03	09 Credit Hours
Interdisciplinary Electives	02	06 Credit Hours
Thesis	--	30 Credit Hours
Total		54 Credit Hours

Core Courses (Robotics and Intelligent Systems)

S. No.	Course	Credit Hours
1.	Non-Linear Control Systems	3
2.	Robot Mechanics & Control	3
3.	Machine Learning & Artificial Intelligence	3

Core Courses (Electrical Power)

S. No.	Course	Credit Hours
1.	Advanced Electrical Machines	3
2.	Advanced Power Conversion	3
3.	Advance Power Systems	3

Core Courses (Communication Systems)

S. No.	Course	Credit Hours
1.	Advanced Digital Communication	3
2.	Advanced Mobile and Wireless Communication	3
3.	Information and Coding Theory	3

Core Courses (Signal Processing)

S. No.	Course	Credit Hours
1.	Advanced Digital Signal Processing	3

2.	Advanced Digital Systems Design	3
3.	Bio-Medical Signal Processing	3

Core Courses (Embedded Systems Design)

S. No.	Course	Credit Hours
1.	Advanced Digital Systems Design	3
2.	Advanced VLSI Design	3
3.	Analog and Mixed System Design	3

Core Courses (Nano Engineering)

S. No.	Course	Credit Hours
1.	Modeling and Simulation of Nano Systems	3
2.	Nanofabrication	3
3.	Nano Scale Synthesis and Characterization	3

Elective Courses (Robotics and Intelligent Systems)

S. No.	Course	Credit Hours
1.	Sensor Technology/Advanced Sensors & Materials	3
2.	Advanced Digital Signal Processing	3
3.	Deep Learning & Big Data Analysis	3
4.	Bio-Medical Robotics	3
5.	Mobile Robotics & Autonomous Navigation	3
6.	Fuzzy Systems	3
7.	Human-Computer Interface	3
8.	Developmental Robotics	3
9.	Swarm Robotics & Bio-Inspired Robots	3

10.	IoT Based System Design	3
11.	Energy Storage & Energy Harvesting	3
12.	Computer Vision & Applications	3
13.	Intelligent Machine Design	3

Elective Courses (Electrical Power)

S. No.	Course	Credit Hours
1.	High Voltage DC Transmission	3
2.	Industrial Drives - Power Electronics	3
3.	Electric Vehicle Technology	3
4.	Electric Machine Design	3
5.	Photovoltaic Power System Design	3
6.	Wind Power System	3
7.	Distributed Generation & Micro grids	3
8.	Sustainable Energy System	3
9.	Electricity Market	3
10.	Steam and Gas Power Systems	3
11.	Smart Grids	3
12.	Power Economics & Management	3
13.	Electrical Power Quality	3
14.	Power System Stability	3

Elective Courses (Communication Systems)

S. No.	Course	Credit Hours
1.	mm-Wave Communication	3
2.	Microwave Systems Design	3

3.	Wireless Sensor Networks	3
4.	Advanced Optical Communication Systems	3
5.	Error Correcting Codes	3
6.	Multimedia Communication	3
7.	Advanced Communication Networks	3
8.	Radar Engineering	3
9.	Machine Learning Techniques	3
10.	Advanced Topics in Communication Systems	3

Elective Courses (Signal Processing)

S. No.	Course	Credit Hours
1.	Adaptive Filter Theory	3
2.	Bio-Medical Signal Processing	3
3.	Advanced Digital Image Processing	3
4.	Applied Signal Processing	3
5.	Computer Vision	3
6.	Pattern Recognition	3
7.	Statistical Signal Processing	3
8.	Estimation and Detection Theory	3
9.	Multirate Systems and Filter Banks	3
10.	Machine Learning Techniques	3

Elective Courses (Embedded Systems Design)

S. No.	Course	Credit Hours
1.	Digital Integrated Circuit Design	3
2.	Analog Integrated Circuit Design	3

3.	Advanced Digital Image Processing	3
4.	Electronic Packaging	3
5.	ASIC Design Methodology	3
6.	MEMS	3
7.	Semiconductor Material technology	3
8.	Non-Linear Control Systems	3
9.	System Validation	3
10.	Applied Signal Processing	3

Elective Courses (Nano Engineering)

S. No.	Course	Credit Hours
1.	Nano-Electronics	3
2.	Nano Devices For Energy Applications	3
3.	Nano Materials Characterization Instruments And Processing Techniques	3
4.	Nano-Photonics	3
5.	Smart Batteries	3
6.	Nano systems Integration	3
7.	Nano Medicine	3
8.	Nano Sensors and Systems	3
9.	Nano Electronics & Organic Electronics	3
10.	Special Topics in Nano Science & Engineering	3

Inter-Disciplinary Elective Courses

S. No.	Course	Credit Hours
1.	Convex Optimization	3

2.	Advanced Linear Algebra	3
3.	Numerical Analysis	3
4.	Advanced Engineering Mathematics	3
5.	Probability and Stochastic Processes	3

Semester Wise Course Schema Ph.D. (EE)

Robotics and Intelligent Systems			
	Semester-I	Pre- req	CHR
	Non-Linear Control Systems	--	3
	Machine Learning and Artificial Intelligence	--	3
	Elective Course-I	--	3
	IDE-I	--	3
	Semester-II	Pre- req	CHR
	Robot Mechanics and Control	--	3
	Elective Course-II	--	3
	Elective Course-III	--	3
	IDE-I	--	3
	Semester III-VI	Pre- req	CHR
	Doctoral – Thesis	--	30

Electrical Power			
	Semester-I	Pre- req	CHR
	Advanced Electrical Machines	--	3
	Advanced Power Conversion	--	3
	Elective Course-I	--	3
	IDE-I	--	3

	Semester-II	Pre- req	CHR
	Advance Power Systems	--	3
	Elective Course-II	--	3
	Elective Course-III	--	3
	IDE-II	--	3
	Semester III-VI	--	CHR
	Doctoral – Thesis	--	30

Communication Systems

	Semester-I	Pre- req	CHR
	Advanced Digital Communication	--	3
	Advanced Mobile and Wireless Communication	--	3
	Elective Course-I	--	3
	IDE-I	--	3
	Semester-II	Pre- req	CHR
	Information and Coding Theory	--	3
	Elective Course-II	--	3
	Elective Course-III	--	3
	IDE-II	--	3
	Semester III-VI	--	CHR
	Doctoral - Thesis	--	30

Signal Processing

	Semester-I	Pre- req	CHR
	Advanced Digital Signal Processing	--	3
	Advanced Digital System Design	--	3
	Elective Course-I	--	3
	IDE-I	--	3

	Semester-II	Pre- req	CHR
	Bio-Medical Signal Processing	--	3
	Elective Course-II	--	3
	Elective Course-III	--	3
	IDE-II	--	3
	Semester III-VI	--	CHR
	Doctoral - Thesis	--	30

Nano Engineering			
	Semester-I	Pre- req	CHR
	Modeling and Simulation of Nano Systems	--	3
	Nano Fabrication	--	3
	Elective Course-I	--	3
	IDE-I		3
	Semester-II	Pre- req	CHR
	Nano Scale Synthesis and Characterization	--	3
	Elective Course –II	--	3
	Elective Course –III	--	3
	IDE-II	--	3
	Semester III-VI	--	CHR
	Doctoral - Thesis	--	30

Embedded Systems Design			
	Semester-I	Pre- req	CHR
	Advanced Digital System Design	--	3
	Advanced VLSI Design	--	3
	Elective Course-I	--	3
	IDE-I		3
	Semester-II	Pre- req	CHR
	Analog & Mixed Systems Design	--	3
	Elective Course –II	--	3
	Elective Course –III	--	3
	IDE-II	--	3
	Semester III-VI	Pre- req	CHR
	Doctoral - Thesis	--	30

DEPARTMENT: EDUCATION MANAGEMENT

Mission Statement:

The DoE aims to provide an enabling learning environment embedded with research based practices to develop professionals equipped with innovative instructional and leadership skills to address the educational needs of the community.

Vision Statement:

The DoE is to become a centre of excellence in the field of teacher education, educational leadership & management and educational research to produce dynamic educational professionals and raise the standards of education at local, national and international levels.

Values Statement:

The DoE promotes excellence and innovation through professionalism, merit, inclusivity and collaboration. These core values have been explained below.

Value	Definition
1. Inclusiveness	We are open to accept diverse opinions, beliefs, ideologies, persons, knowledge, and approaches in all aspects of our work.
2. Excellence	We strive to perform in the best possible ways with merit and professionalism in available resources.
3. Collaboration	We work with others to achieve common goals in a congenial environment
4. Innovation	We value new ideas and critical thinking

Goals

The broadest goals are:

- * Develop innovative & effective educational models of school improvement, educational leadership and management, curriculum design & assessment and test them in Pakistani educational contexts and classroom settings to know their maximum benefits.
- * Build the capacity of schools/educational institutions through relevant and quality programs for effective implementation of educational reforms in order to achieve the maximum benefit for all stakeholders.
- * Enhance teachers' and teacher educators' professional attitude, status and self-esteem through creating a sense of professionalism, knowledge, competencies, skills, critical thinking, scientific behaviour and decision making power.

- * Assess the impact of all efforts, research results, different techniques, policies implementation and other initiatives to improve the quality of education and finally develop a road map for radical reforms and successful innovations to scale up the education system of Pakistan.

Programs at Department of Education and their Eligibility Criteria

B.Ed Degree Programs with Scheme of Studies

- **(A). B.Ed (Hons) Secondary Four Years**

This degree will be of four years duration and the eligibility criteria of admission will be Higher Secondary Certificate /F.A / F.Sc with minimum 50% marks/second class. The admission will be confirmed on the bases of admission test results.

- **(B). B.Ed Extension 2.5 Years**

This degree will be of Two years duration and the eligibility criteria of admission will be B.A / B.Sc / B.Com / Fourteen years of education in any HEC recognized discipline / Associate Degree in / **Any other Equivalent degree** with minimum 50% marks/second class. The admission will be confirmed on the bases of admission test results.

- **(C) M.Phil. in Education**

The overall mission of the program is to develop educational leaders, policy planners, practitioners, implementers and reformers with a sound theoretical, contextual, contemporary, analytical and pragmatic knowledge and vision of education, with a global outlook, innovative yet contextually relevant skill and ethical values along with a capacity of leading and managing, designing and changing systems, undertaking and disseminating theoretical and applied research. The program also prepares the participants for undertaking doctoral studies in the field of education.

Program Objective - Discipline Specific Knowledge:

- At a level appropriate to the level of study related to a discipline/ profession and program.
- Enable participants to demonstrate an understanding of the major theoretical foundation of the discipline by generating a substantial piece of work.

Evaluative Thinking

Enable participants to examine, analyze, investigate and review current views, policies and practices in light of a major theoretical foundations in the field of study by generating evidenced based research papers and reports.

Critical and Reflective Thinking:

Enable participants to critically analyze the current debates in the field to reflect on and extend their knowledge of theories, trend and issues in the field.

Global Outlook

- Enable participants to engage ethically and productively with diverse cultures in professional context.
- Enable participants to review and develop a global view of the theories, issues and trends.

Researching Skills

- Explore, synthesize, apply and analyze existing and new knowledge in one or more discipline areas to develop new concepts or interpretations through engagement in ethical research, critical reflection, continuous evaluation and demonstration of research skills.
- Enable participants to develop research proposal and undertake applied research through quantitative and qualitative approaches.

Knowledge Contribution

Enable participants to formulate and justify their own contextual, contemporary, analytical and pragmatic knowledge to help shape the future directions in education in general and the field of study in particular.

Eligibility Criteria

Candidate must have 16 years of education in any subject with 50% marks, and B.Ed/M.Ed degree with minimum 60% marks or or 2.2 CGPA secured in annual examination from any HEC recognized university/Institution. Candidate should have either cleared GAT-General with at least 50% marks or appear in SIBA Graduate Test-General to secure admission.

Admission Process

- Sukkur IBA University Entry Test (NTS GAT is also acceptable). Minimum qualifying marks in the Entrance Test is 50%.
- Qualifying the interview by the admission committee.

Final selection as per following weightages

- Entrance Test (Based on Language, Logical and Quantitative Reasoning, Quantitative, and General Knowledge About Education) 60%
- Interview 40%

Program Details

- Candidates with following qualification are required to complete 6 deficiency courses of 18 credits at Department of Education
- GPA 2.2 or 60% in annual examination

Thesis Writing

Master thesis in one part of the major subject studies, which indicates student abilities into the scientific thinking, mastering of research methods, familiarity with the topic of thesis, and abilities into the scientific communication. Scope of the master thesis is 06 credits.

DEPARTMENT OF MATHEMATICS

Limited access of poor people to quality education in Mathematics and increasing rate of un-employment has resulted in many socio-economic problems in the country. We strongly believe that using modern mathematical techniques and the targeting market and industrial needs, BS Mathematics program can produce more positive result. We will provide a successful BS Mathematics Program for community development at Sukkur IBA which will prove itself fruitful by bringing the change in the society.

Objectives of BS-Mathematics

To develop the quantitative skills of students.

- To enhance the knowledge of students to move to higher levels of independent learning
- To utilize Mathematics as a tool in various field of Industrial and Applied Sciences
- To provide quality education with modern and scientifically tools so that graduates may possess globally outlook

Vision

To become a world leader in theoretical and applied mathematics Candidate must have Intermediate / F.Sc with a minimum of 50% marks passed in annual examination with no supplement and no subject (s) condone by Board OR A level (at least an average of 'C' grade in three principal subjects) OR American High School Diploma (with minimum of 60%) OR An international Baccalaureate (at least 28 points out of 45).

Program Details

Duration : 04 Years

Semesters : 08

Credit Hours : 141

Core Courses : 126 Credits

Electives: 15 Credits

HEC Requirements : 124-136 Credits

Introduction to MS Mathematics Program

Sukkur IBA University offers MS in Mathematics. The MS program in Mathematics prepares students for careers in research, applications and academia. The courses and research areas are designed so that students excel in the following fields:

I. Mathematical Finance: Mathematical finance, also known as quantitative finance, is a field of applied Mathematics, concerned with financial markets. Generally, Mathematical finance will derive and extend the Mathematical or numerical models without necessarily establishing a link to financial theory,

taking observed market prices as input. Mathematical consistency is required, not compatibility with economic theory. Thus, for example, while a financial economist might study the structural reasons why a company may have a certain share price, a financial Mathematician may take the share price as a given, and attempt to use stochastic calculus to obtain the corresponding value of derivatives of the stock. The fundamental theorem of arbitrage-free pricing is one of the key theorems in Mathematical finance, while the Black–Scholes equation and formula are amongst the key results. Mathematical finance also overlaps heavily with the fields of computational finance and financial engineering. The latter focuses on applications and modeling, often by help of stochastic asset models, while the former focuses, in addition to analysis, on building tools of implementation for the models. In general, there exist two separate branches of finance that require advanced quantitative techniques: derivatives pricing on one hand, and risk- and portfolio management on the other.

II. Abstract Algebra: Algebra is a fundamental and universal language upon which most other branches of Mathematics are built. In recent decades, Algebra has become an increasingly important field of study due to its numerous contemporary applications in physics, chemistry, computer science, data communication and security. Semigroups, groups and rings are abstract algebraic structures and are very important in theoretical computer science, crystallography, quantum physics and cryptography.

III. Fluid Mechanics: Fluid mechanics is the branch of physics that studies the mechanics of fluids (liquids, gases, and plasmas) and the forces on them. Fluid mechanics has a wide range of applications, including for Mechanical Engineering, Chemical Engineering, Geophysics, Astrophysics, and Biology. Fluid Mechanics can be divided into fluid statics, the study of fluids at rest; and fluid dynamics, the study of the effect of forces on fluid motion. Fluid Mechanics, especially Fluid Dynamics, is an active field of research with many problems that are partly or wholly unsolved. Fluid mechanics can be mathematically complex, and can best be solved by numerical methods, typically using computers. A modern discipline, called computational fluid dynamics (CFD), is devoted to this approach to solving fluid mechanics problems.

Computational Mathematics: The Mathematical models in Physics, Geology, Astrophysics, Mechanics, Geophysics, as well as in most engineering disciplines often involve nonlinear differential equations and complex geometric constraints. Besides the applications of such models, one must understand the solution approaches to such systems. It demands an in-depth knowledge of numerical methods, computer simulation and software design. The field of Computational Mathematics addresses these aspects. It enables the students to equip with tools and skills to formulate numerical methods for the solution of system of differential equations and produce associated running algorithms. The course can be divided into basic and advanced level. Also the mathematical models include stationary, unsteady, deterministic and stochastic. The advanced level topics may include the uncertainty quantification and data assimilation procedures.

Program Goals

The goals and objectives of the MS Mathematics are as follows:

1. To foster excellence in Mathematical research foundation and to offer a strong graduate education that will prepare students for their PhD studies.
2. To develop a level of quantitative literacy and analytical skills among the students in order to enable them to deal effectively with the quantitative issues that they will encounter throughout their lives.
3. To develop competence in those areas most relevant to the scholarly and professional objectives of the students.
4. To make students able to use technology, including specialized computational and graphics software in order to test the validity of certain conjectures, to solve problems, to conduct Mathematical experiments and do Mathematical research.
5. To make students able to effectively disseminate Mathematical knowledge and other understanding orally, in writing, or by

Structure of MS Program

Breakdown of the Marks

Category	Weightage
GAT (General) NTS/STS Test	50%
Academic Performance	25%
Interview	25%

Distribution of Total Credit Hours

Category of Area	Credit Hours
Core Courses	18
Elective Courses	06
Thesis	06
Total Credit Hours	30

Roadmap of the Program

Students are required to successfully qualify eight courses each of 3 credit hours duration. On successful completion of MS course work students will be allowed to work on a 06 credit hour thesis on a subject of interest and on the availability of the faculty. The minimum duration of completion of MS Program is 2 years (Four Semesters) and maximum duration is 4 Years and students must pass GAT (General) before applying for the admission.

Introduction to PhD Program

In many disciplines, Mathematics plays an extremely important role ranging from Stochastic Analysis and Models of large scale systems and networks, Financial Mathematics, Statistical Models, Fluid dynamics computations, and risk assessment. Mathematical research, in general, contributes indirectly by supporting the advanced research in a variety of other discipline offered at Sukkur IBA University.

Department of Mathematics offers several courses for the students such as Calculus, Linear Algebra, Analysis, Mathematical Modeling, Probability Theory, Mathematical Finance and Statistics, Discrete Mathematics, and Stochastic processes. The offered coursework is designed to provide basic as well as advance training for the tools of Applied Mathematics, including Numerical Methods, Ordinary, Partial and Stochastic Differential Equations and Scientific Computing. The courses offered build a solid Mathematical background of the students, to further pursue their doctoral research/degree. The graduate program opens opportunity for the students interested in multidisciplinary mathematics projects for their PhD research in the fields of Mathematics.

Sukkur IBA University has about 17 faculty members working in different areas of Mathematics. Mathematics department is offering PhD courses, which are taught by our HEC recognized PhD faculty.

The PhD course contents are also designed such that students can improve and enhance their fundamental knowledge which is required to conduct doctoral research in their area of interest. The offered PhD coursework is designed, specifically, to choose from the following research areas of the available faculty members:

- I. Stochastic Analysis and Finance
- II. Abstract Algebra
- III. Fluid Mechanics
- IV. Computational Fluid Dynamics

Program Goals

The objectives of our PhD program in Mathematics are as follows:

1. Provide training for the development of the research capabilities in Mathematics.
2. Building strong foundation in mathematical analysis and its real world applications.
3. Extending the Mathematical thinking and proficiency beyond master level.
4. Contributing in the development of new emerging fields in Applied Mathematics as well as managing the complex interdisciplinary projects.
5. Becoming active in conducting the quality research with professional and ethical integrity.
6. Develop highly trained Mathematicians who can explore and address the Mathematical needs in other sciences, industry and community.

Scope regarding market, social and employment perspective of program

1. The logical thinking/reasoning and strategic knowledge of Mathematics is highly valued by operational researcher, stockbroker, business and investment analyst. Therefore, the Mathematicians are hired by a wide range of sectors in market, for example by insurance companies, marketing companies, banks, and accountancy firms.
2. Mathematicians have opportunities for employment in many engineering firms, industries, publically funded research institutes or government agencies, and different government departments in Pakistan. Moreover, if one wants to pursue career in academia then they can easily find job in some reputed institutes or universities in Pakistan.

Structure to PhD Program

Breakdown of the Marks:

Category	Weightage
GAT (General) NTS/STS Test	50%
Academic Performance	25%
Interview	25%

Distribution of Total Credit Hours

Category of Area	Credit Hours
Courses	18
Thesis	30
Total Credit Hours	48

PHYSICAL EDUCATION & SPORTS SCIENCES DEPARTMENT

Introduction of Physical Education and Sports Sciences Department

Physical Education & Sports Sciences Department, Sukkur IBA University has been established by the Vice Chancellor Professor (Late) Nisar Ahmed Siddqui in 2018 at National Highway Shikarpur Road Sukkur. In view of contemporary global trends in physical education sports sciences department has started academic activities of (spring semester) form January 2019 with commitment to preparing its graduates to assist individuals to achieve their health and fitness goals through medium of academics.

The primary aim of this program is to produce broad base graduates able to face the challenges of the modern world in the field of Physical Education & Sports Sciences. The department has offered BS (Hons), Associate Degree (AD) and Associate Degree (Bridge Program) will have a broad background in the theories as well as practical's.

Vision

The Physical Education & Sports Sciences department seeks an active leadership role in the development of health and physical activity at all levels through the application of Physical Education and Sports Sciences theories and practices. The Department aims at improving the overall health in society.

Mission

The mission of the Physical Education and Sports Sciences program at Sukkur IBA University is to critically engage students with a broad spectrum of field perspectives, drawing on a range of research and applied methodologies.

Research and Learning Facilities?

Degree Programs Offered

BS (Hons) Bachelor of Science in Physical Education and Sports Sciences
(4 Years)

Eligibility Criteria 12 years of education FA / FSc, Pre-Engineering, Pre-Medical, Computer Sciences, Commerce other fields of Arts or equivalent (A-level), with 50% marks.

Associate Degree (AD) Bachelor of Science in Physical Education and Sports Sciences
(2 Years)

Eligibility Criteria 12 years of education FA / FSc, Pre-Engineering, Pre-Medical, Computer Sciences, Commerce other fields of Arts or equivalent (A-level), with 50% marks.

Associate Degree (AD) Bachelor of Science in Physical Education and Sports Sciences
(2 Years) **(Bridge Program)**

Eligibility Criteria 14 years of education; B.A/B.Sc, B.Com and other fields of Arts or equivalent (A-level), with 50% marks

Degree Program Introduction

The program will facilitate the study of sports sciences by focusing on the provision and practices of sports and modern society. It will provide a sound theoretical background to enrich students' Knowledge based and enable them to apply this knowledge to their specific sports.

Key areas of study include sports administration, sports management, sports psychology, exercise physiology, track and fields in addition to strategic planning for sports medicine, health and exercise.

Goals and Objectives

The program will train the students to understand the functional anatomy and biomechanics of the human body.

The program will introduce the students to the physiological basis for exercise and physical activity in direct application to physical fitness and athletic conditioning.

The program will facilitate the students to assess health status, conduct fitness testing, and prescribe administer exercise programs.

The program will familiarize the students to perform health and wellness programming based upon the ability to assess needs, and to design, implement, and evaluate a project.

The program will enable the students to analyze the social settings, propose and execute event management and turn it into a lucrative business opportunity.

Course Scheme Bachelor of Science (BS) 4 Years

Semester I	Name Of Subject	Credits
	English I (Compulsory 1)	3+0
	Pakistan Studies (Compulsory 2)	2+0
	Mathematics I (Compulsory 3)	3+0
	Philosophical basis of Physical Education (Foundation 1)	3+0
	Games-I	2-1
	Athletics-I	1+1
Semester II	Name Of Subject	Credits
Second	English II (Compulsory 4)	3+0
	Islamic Studies / Ethics (Compulsory 5)	2+0
	Mathematics II / Univ. Optional (Compulsory 6)	3+0
	Biochemistry (General 2)	3+0
	Sports Biomechanics (Foundation 3)	2-1
	Athletics-II	0+1
	Games-II	1+1
	Gymnastic-I	0+1
	Total Credit Hour	14+4
Semester III	Name Of Subject	Credits
Third	English III (Compulsory 7)	3+0
	Introduction to Computer (Compulsory 8)	2+0
	Talent Identification in Sports	3+0
	Games-III	0+2
	Basics of Human Anatomy (Foundation 6)	2-1
	Athletics-III	0+1
	Gymnastic-II	0+1
	Total Credit Hour	11+5
Semester IV	Name Of Subject	Credits

Fourth	English IV/ Univ. Optional (Compulsory 9)	3+0
	Introduction to modern technologies (General 4)	3+0
	Sociology (General 5)	2+0
	Administration and Management in Sports (Foundation 7)	3+0
	Basics of Human Physiology (Foundation 8)	2-1
	Practical Athletics-IV	0+1
	Games-IV	0+2
	Total Credit Hour	13+4
Semester V	Name Of Subject	Credits
Fifth	Science of Sports Training (Major 1)	3+0
	Environmental Sciences (General 6)	3+0
	Physical Education for Special population (Elective 1)	3+0
	Sports Nutrition (Major 2)	3+0
	Introduction to Statistics (General 7)	3+0
	Total Credit Hour	15+0
Semester VI	Name Of Subject	Credits
Sixth	Specialization in one group of track and field (Elective 4)	1+2
	Research Methodology in Physical Education (Major 3)	3+0
	Planning Sports Facilities (Foundation 9)	3+0
	Test, Measurement & Evaluation in Phy: Edu: & Sports (Major 4)	3+0
	Sports Psychology (Major 5)	3+0
	Practical (Teaching Practice)	0+2
	Total Credit Hour	13+4
Semester VII	Name Of Subject	Credits
Seventh	Common Sports Injuries, Treatment & Rehabilitation (Major 6)	3+0
	Exercise Physiology (Major 7)	2+1
	Role of Media in Sports (Elective 3)	3+0
	Scientific Sports Coaching (Foundation 10)	3+0
	Specialization in one game (Elective 2)	1+2
	Research Proposal	1+0
	Total Credit Hour	13+3
Semester VIII	Name Of Subject	Credits
Eighth	Sports Medicine (Major 8)	3+0
	Curriculum Development in Physical Education (Major 9)	3+0
	Adapted Physical Education (Major 10)	3+0
	Research Thesis/Research Project	6+0
	Sports Entrepreneurship	3+0
	Total Credit Hour	18+0

Course Scheme Associate Degree (AD) 2 Years

Semester I	Name Of Subject	Credits
1st	English 1	3
	Mathematics 1	3
	Foundation of Physical Education	3
	Rules and Technique of Games	3
	Fundamental application of Physics	3
	Basic Human Anatomy	3
	Practical's	
	Skills in Games and Sports (Outdoor & Indoor)	3
	Skills in Athletics (Apparatus and Floor Work)	3
	Skills in Gymnastic	3
Semester II	Name Of Subject	Credits
2nd	English II	3
	Biomechanics of Sports	3
	Research Method in Physical Education	3
	Science of Track and Field	3
	Pakistan Studies	3
	Practical's	
	Skills in Games and Sports (Outdoor & Indoor)	3
	Skills in Athletics (Track and Field)	3
	Skills in Gymnastic (Apparatus and Floor Work)	3
Semester III	Name Of Subject	Credits
3rd	English-III	3
	Islamic Studies/Ethics	3
	Human Biology	3
	Test & Measurement in Phy. Edu. & Sports	3
	Physiology	3
	Administration and Management in Sports	3
	Practical's	
	Skills in Games and Sports (Outdoor & Indoor)	3
	Skills in Athletics (Track and Field)	3
	Skills in Gymnastic (Apparatus and Floor Work)	3
Semester IV	Name Of Subject	Credits
4th	Introduction to Computer	3
	Health Education	3
	Sports Medicine	3
	Sports Psychology	3
	Sports Nutrition	3
	Science of Sports Training & Coaching	3
	Sports Entrepreneurship	3
	Practical's	
	Skills in Games and Sports (Outdoor & Indoor)	3
	Skills in Athletics (Track and Field)	3
	Skills in Gymnastic (Apparatus and Floor Work)	3

DEPARTMENT OF MEDIA AND COMMUNICATION

Department Introduction

The Department of Media and Communications at Sukkur IBA University is a very innovative centre for education and research in communication and media studies. It is established to enhance media knowledge and awareness among students. The Creative Arts Center at Sukkur IBA University is state of the art center to equip students with practical knowledge. It will house modern digital labs, FM Radio Station, HD TV Channel, NEWS Studio and Production House. It will help students turn their thinking into very fine-tuned projects with the help of necessary tools.

Facilities

- Creative Arts Center
- Cameras and other equipment
- State-of-the-art Library
- Fully equipped digital labs

BS Media and Communication (4 Years)

BS Media and Communication Program Mission Statement

The mission of BS Media and Communication program is to prepare students to become principled, well-informed citizens and intellectuals who are capable of initiating careers in the 21st Century as skilled content producers, public relations practitioners, social media managers and other professionals related to communication.

• Goals and Objectives and other info

BS Media and Communications Program Goals and Objectives

Goal 1 – Ethical Consciousness – Students will be able

PLO(s):

- 1.1 To demonstrate an understanding of professional ethical principles and work ethically in pursuit of truth, accuracy, fairness, and diversity.
- 1.2 To understand the legal and ethical implications of social media and other forms of media.

Goal 2- Communication Skills – Students will be able

PLO(s):

- 2.1 To present with oral proficiency.
- 2.2 To write for a diverse audience, using proper grammar and punctuation, word usage and spelling, sentence and storytelling structure across multiple media formats.
- 2.3 To use information and communication tools.

Goal 3-Critical thinking skills – Students will be able

PLO(s):

- 3.1 To explore and highlight critical contemporary issues associated with working in creative and media industries.
- 3.2 To look into the communication practices that enable us to navigate complex work situations skillfully.

Goal 4 - Teamwork Skills – Students will be able

PLO(s):

- 4.1 To collaborate in the development of common projects working as a team.
- 4.2 To explore as a team the skills, strategies and professional expectations of collaborative media production.

Goal 5 – Creativity Skills – Students will be able

PLO(s):

- 5.1 To use key concepts in digital media making, using innovative approaches and a range of equipment and other material.
- 5.2 To develop innovative ideas related to field of media.

Goal 6 – Global Awareness – Students will be able

PLO(s):

- 6.1 To inculcate the understanding of current global perspectives on various issues.
- 6.2 To make a student comprehend narrative building processes and agenda setting

Goal 7 – Media and Communications knowledge – Students will be able

PLO(s):

- 7.1 To understand and apply tools/digital tools and technologies appropriate for the media professions in which they work to communicate for and with diverse publics.

• Course Scheme

Structure of BS (Media and Communications) Program

Areas Covered in BS Media and Communications Program

<i>Course Group</i>	<i>Credit Hours</i>
Compulsory Courses	25
General Courses	15
Core	42
Major Courses Including Research	39
Elective Courses	12
Total	133

Compulsory Courses (Credit Hours: 25)				
#	Course Code	Course Title	Credit Hours	Proposed Semester
1	MC-501	Functional English I	3	Semester I

2	MC-513	Technical Writing and Presentation Skills (English III)	3	Semester III
3	MC-507	Communication Skills (English II)	3	Semester II
4	MC-519	English for Journalism (English IV)	3	Semester IV
5	MC-502	Islamic Studies	2	Semester I
6	MC-503	Pakistan Affairs	2	Semester I
7	MC-514	Computer Skills	3	Semester III
8	MC-509	Mathematics for Liberal Studies	3	Semester II
9	MC-511	Personal Development	3	Semester II
		Total	25	

General Choice (Credit Hours: 15)

#	Course Code	Course Title	Credit Hours	Proposed Semester
1	MC-515	Introduction to Psychology	3	Semester III
2	MC-506	Introduction to International Relations	3	Semester I
3	MC-611	Introduction to Innovation and Entrepreneurship	3	Semester VI
4	MC-521	Introduction to Philosophy and Thought	3	Semester IV
5	MC-508	Introduction to Sociology	3	Semester II
		Total	15	

Core (Credit Hours: 42)

#	Course Code	Course Title	Credit Hours	Proposed Semester
1	MC-505	Introduction to Mass Communication	3	Semester I
2	MC-517	Mass Media and Society	3	Semester III
3	MC-522	Contemporary World Media	3	Semester IV
4	MC-523	Social Media Networks Culture	3	Semester IV
5	MC-518	Introduction to Broadcast Media	3	Semester III

6	MC-614	Online Journalism	3	Semester VII
7	MC-524	Introduction to Film and Theatre	3	Semester IV
8	MC-606	International Communication	3	Semester V
9	MC-505	Introduction of Multimedia	3	Semester I
10		Photography	3	Semester II
11	MC-520	Digital Audio/Video	3	Semester IV
12	MC-510	Storytelling in Digital Age	3	Semester II
13	MC-605	Media Ethics and Laws	3	Semester V
14	MC-516	Media Psychology	3	Semester III
		Total	42	

Major Courses Including Research Project/Internship (Credit Hours: 39)

#	Course Code	Course Title	Credit Hours	Proposed Semester
1	MC-601	Theories of Mass Communication I	3	Semester V
2	MC-603	Opinion Writing	3	Semester V
3	MC-604	Introduction to Advertising and Public Relations	3	Semester V
4	MC-602	Journalistic Urdu/Functional Urdu	3	Semester V
5	MC-607	Theories of Mass Communication II	3	Semester VI
6	MC-608	Research Methods-I	3	Semester VI
7	MC-609	Development Communication	3	Semester VI
8	MC-610	Introduction to Conflict Reporting	3	Semester VI
9	MC-612	Current Affairs	3	Semester VII
10	MC-619	Regional Mass Media	3	Semester VIII
11	MC-613	Media Management	3	Semester VII
12	MC-617	Research Project/Internship	3	Semester VIII
13	MC-618	Academic Writing and Professional Writing	3	Semester VIII
		Total	39	

Electives Courses within the Major (Any Four Courses Credit Hours: 12)

#	Course Code	Course Title	Credit Hours	Proposed Semester
1	MC-615	Brand Management	3	Any two of these Courses in Semester VII
2	MC-616	Event Management	3	
		3D Animation Design	3	
		Storytelling and Script Writing	3	
		News Writing Reporting	3	
3	MC-620	Media and Politics	3	
4	MC-621	Visual Effects		Any two of the Remaining Courses in Semester VIII
		Total	12	

Semester 1

Serial Number	Course Code	Course Name	Credit hours	Pre Requisite
1	MC-501	Functional English	3	None
2	MC-502	Islamic Studies	2	None
3	MC-503	Pakistan Affairs	2	None
4	MC-504	Introduction to Multimedia	3	None
5	MC-505	Introduction to Mass Communication	3	None
6	MC-506	Introduction to International Relations	3	None
Total			16	

Semester 2

Serial Number	Course Code	Course Name	Credit hours	Pre Requisite
7	MC-507	Communication Skills	3	
8	MC-508	Introduction to Sociology	3	
9	MC-509	Mathematics for Liberal Arts	3	
10	MC-510	Storytelling in Digital Age	3	
11	MC-511	Personal Development	3	
12	MC-512	Photography	3	
Total			18	

Semester 3

Serial Number	Course Code	Course Name	Credit hours	Pre Requisite
13	MC-513	Technical Report Writing and Presentation Skills	3	
14	MC-514	Computer Skills	3	

15	MC-515	Introduction to Psychology	3	
16	MC-516	Media Psychology	3	
17	MC-517	Mass Media and Society	3	
18	MC-518	Introduction to Broadcast Media	3	
Total			18	

Semester 4

Serial Number	Course Code	Course Name	Credit hours	Pre Requisite
19	MC-519	English for Journalism (English IV)	3	
20	MC-520	Digital Audio/Video	3	Intro to Multimedia
21	MC-521	Introduction to Philosophy and Thought	3	
22	MC-522	Contemporary World Media	3	
23	MC-523	Social Media Networks Culture	3	
24	MC-524	Introduction to Film and Theatre	3	
Total			18	

Semester 5

Serial Number	Course Code	Course Name	Credit hours	Pre Requisite
25	MC-601	Theories of Mass Communication I	3	
26	MC-602	Journalistic Urdu/Functional Urdu	3	
27	MC-603	Opinion Writing	3	
28	MC-604	Introduction to Advertising and Public Relations	3	
29	MC-605	Media Laws and Ethics	3	
30	MC-606	International Communication	3	
Total			18	

Semester 6

Serial Number	Course Code	Course Name	Credit hours	Pre Requisite
31	MC-607	Theories of Mass Communication II	3	
32	MC-608	Research Methods-I	3	
33	MC-609	Development Communication	3	

34	MC-610	Introduction to Conflict Reporting	3	
35	MC-611	Introduction to Innovation and Entrepreneurship		
Total			15	

Semester 7

Serial Number	Course Code	Course Name	Credit hours	Pre Requisite
36	MC-612	Current Affairs	3	
37	MC-613	Media Management	3	
38	MC-614	Online Journalism	3	
39	MC-615	Elective I	3	
40	MC-616	Elective II	3	
	To be selected from the Electives			
Total			15	

Semester 8

Serial Number	Course Code	Name	Credit hours	Pre Requisite
41	MC-617	Research Project and Internship	3	
42	MC-618	Academic Writing and Professional Writing	3	
43	MC-619	Regional Mass Media	3	
44	MC-620	Elective III	3	
45	MC-621	Elective IV	3	
	To be selected from the Electives			
	To be selected from the Electives			
Total			15	

DEPARTMENT OF COMPUTER SYSTEMS ENGINEERING (CSE)

The Department of Computer Systems Engineering (CSE) is an initiative with the vision of incorporating modern engineering techniques and skill in the recent years. Computer systems engineers solve problems by creating systems that possess a computer embedded within a large operation. Computer Systems Engineering focuses on the development of both software and hardware skills for designing and building the smart products that are an integral part of our real world and ensure that these products can make decisions and function in the real world. The department is providing state of art Laboratories and highly qualified faculty. The department is offering a four years Bachelor of Engineering degree programmer in Computer Systems Engineering.

PROGRAM EDUCATIONAL OBJECTIVES.

PEO-1 Graduates will have sound knowledge of engineering fundamentals and effective communication skills and ability to investigate or analyses problems for designing and developing better environment friendly solutions.

PEO-2 Graduates will develop sustainable engineering solutions by imparting new technological advancements in accordance with societal and ethical responsibilities.

PEO-3 Graduates will initiate businesses or service industry in leading or collaborative roles for offering innovative applications.

PEO-4 Graduates will excel their academic skills through lifelong learning or graduate studies in world class universities around the globe.

Program Learning Outcomes for BE-CSE

The graduates of CSED Department at Sukkur IBA University possess following list of attributes by the time of graduation.

- 1. Engineering Knowledge:** An ability to apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- 2. Problem Analysis:** An ability to identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- 3. Design/Development of Solutions:** An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
- 4. Investigation:** An ability to investigate complex engineering problems in a methodical way including literature survey, design and conduct of experiments, analysis and interpretation of experimental data, and synthesis of information to derive valid conclusions.

5. **Modern Tool Usage:** An ability to create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling, to complex engineering activities, with an understanding of the limitations.
6. **The Engineer and Society:** An ability to apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice and solution to complex engineering problems.
7. **Environment and Sustainability:** An ability to understand the impact of professional engineering solutions in societal and environmental contexts, demonstrate knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics, responsibilities, and norms of engineering practice.
9. **Individual and Team Work:** An ability to work effectively, as an individual or in a team, on multifaceted and /or multidisciplinary settings.
10. **Communication:** An ability to communicate effectively, orally as well as in writing, on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project Management:** An ability to demonstrate management skills and apply engineering principles to one's own work, as a member and/or leader in a team, to manage projects in a multidisciplinary environment.
12. **Lifelong Learning:** An ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments. The PLOs of EE program at Sukkur IBA University will be published at the departmental website and displayed across the departmental building after PEC grants green signal for the program.

B.E Computer Systems Engineering Course Schema

COURSE SCHEMA OF BE COMPUTER SYSEMS ENGINEERING (FALL-2020)

SEMESTER-I	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	CSE-111	Computing Fundamentals	CSE Foundation	-----	3 (2+1)
	2	CSE-112	Introduction to Programming	CSE Foundation	-----	4 (3+1)
	3	HUM-111	Functional English	Humanities	-----	3 (3+0)
	4	HUM-112	Pakistan Studies	Humanities	-----	2 (2+0)
	5	MTS-111	Calculus and Analytical Geometry	Natural Science	-----	3 (3+0)
	6	ELE-111	Workshop Practice	ELE Foundation	-----	1 (0+1)
TOTAL CREDIT HOURS						16(13+3)

SEMESTER-II	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	CSE-121	Object Oriented Programming	CSE Foundation	CSE-112	4 (3+1)
	2	MTS-121	Discrete Mathematics	Natural Science	-----	3 (3+0)
	3	HUM-122/3	Islamic Studies/ Ethics	Humanities	-----	2 (2+0)
	4	ELE-121	Fundamentals of Electrical & Electronics Engineering	ELE/ESE Foundation	-----	4 (3+1)
	5	PHY-121	Applied Physics	Natural Science	-----	4 (3+1)
	6	CSE-122	Computer Aided Design	CSE Foundation	-----	1 (0+1)
TOTAL CREDIT HOURS						18(14+4)

SEMESTER-III	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	MTS-211	Complex Variables & Transforms	Natural Science	MTS-111	3 (3+0)
	2	CSE-211	Data Structures and Algorithms	CSE Foundation	CSE-121	4 (3+1)
	3	ELE-211	Circuit Analysis	ELE Foundation	PHY-121	4 (3+1)
	4	ESE-211	Digital Logic Design	ESE Foundation	-----	4 (3+1)
	5	HUM-211	Communication and Presentation Skills	Humanities	-----	3 (3+0)
TOTAL CREDIT HOURS						18(15+3)

SEMESTER-IV	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	MTS-221	Linear Algebra & Differential Equations	Natural Science	MTS-111	3 (3+0)
	2	CSE-221	Computer Architecture & Organization	CSE Foundation	ESE-211	4 (3+1)
	3	ESE-221	Signals and Systems	ESE Foundation	ELE-121 or ELE-211	4 (3+1)
	4	CSE-222	Operating Systems	CSE Foundation	CSE-211	4 (3+1)
	5	HUM-221	Technical Writing	Humanities	-----	3 (3+0)
TOTAL CREDIT HOURS						18 (15+3)

SEMESTER	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	MTS-311	Probability & Statistics	Natural Science	MTS-221	3 (3+0)

	2	CSE-311	Database Management System	CSE Breadth	CSE-211	4 (3+1)
	3	CSE-312	Computer Communication and Networks	CSE Breadth	-----	4 (3+1)
	4	CSE-313	Artificial Intelligence	CSE Breadth	CSE-211	4 (3+1)
	5	HUM-311	Organizational Behavior	Humanities	-----	3 (3+0)
	TOTAL CREDIT HOURS					18 (15+3)

SEMESTER-VI	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	MTS-321	Numerical Methods	Natural Science	-----	3 (3+0)
	2	CSE- 321	Microprocessor and Microcontroller	CSE Breadth	CSE-221	4 (3+1)
	3	CSE-322	Software Engineering	CSE Breadth	-----	4 (3+1)
	4	XXX-XXX	IDEE-I	IDEE-I	-----	3 (3+0)
	5	MGT-321	Engineering Economics & Management	Management Science	-----	3 (3+0)
TOTAL CREDIT HOURS					17 (15+2)	

SEMESTER-VII	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	CSE-XXX	Elective-I	Elective (CSE-Depth)-I	-----	3 (3+x)
	2	CSE-XXX	Elective-II	Elective (CSE-Depth)-II	-----	3 (3+x)
	3	XXX-XXX	IDEE-II	IDEE-II	-----	3 (3+0)
	4	MGT-411	Entrepreneurship Development & Project Management	Management Science	-----	3 (3+0)
	5	CSE-419	Final Year Project-I	FYP	-----	3 (0+3)
TOTAL CREDIT HOURS					15(12+3)	

SEMESTER-VIII	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	CSE-XXX	Elective-III	Elective (CSE-Depth)-III	-----	3(3+x)
	2	CSE-XXX	Elective-IV	Elective (CSE-Depth)-IV	-----	3(3+x)
	3	CSE-XXX	Elective-V	Elective (CSE-Depth)-V	-----	3(3+x)
	4	CSE-429	Final Year Project-II	FYP	-----	3 (0+3)
TOTAL CREDIT HOURS					12 (9+3)	
GRAND TOTAL CREDIT HOURS					132 (108+24)	

IDEE (Inter-Disciplinary Engineering Electives)	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	XXX-XXX	Health Safety and Environment	Environmental Engineering	-----	3(3+0)
	2	XXX-XXX	Energy Storage Devices	Energy Engineering	-----	3(3+0)
	3	XXX-XXX	Precision Agriculture	Agriculture Engineering	-----	3(3+0)
	4	XXX-XXX	Smart Grids	Power Engineering	-----	3(3+0)

ELECTIVES	S.NO	COURSE CODE	SUBJECT	Knowledge Area	PRE-REQ	CREDIT HOURS
	1	CSE-XXX	Digital Signal Processing	CSE Depth	ESE-221	4(3+1)
	2	CSE-XXX	Control System and Robotics	CSE Depth	ESE-221	4(3+1)
	3	CSE-XXX	Digital Image Processing	CSE Depth	Digital Signal Processing	4(3+1)
	4	CSE-XXX	Cloud Computing	CSE Depth	CSE-311	4 (3+1)
	5	CSE-XXX	Internet of Things	CSE Depth	CSE-312	4(3+1)
	6	CSE-XXX	Machine Learning	CSE Depth	CSE-211, MTS-311	4(3+1)
	7	CSE-XXX	Fuzzy Logic and Neural Networks	CSE Depth	Artificial Intelligence	4(3+1)
	8	CSE-XXX	Computer Vision	CSE Depth	CSE-112 MTS-221	4(3+1)
	9	CSE-XXX	Block chain	CSE Depth	CSE-211 CSE-311	4(3+1)
	10	CSE-XXX	Cyber Security	CSE Depth	CSE-312	4(3+1)
	11	CSE-XXX	Human Computer Interactions	CSE Depth	CSE-112	3(3+0)
	12	CSE-XXX	Web Engineering	CSE Depth	CSE-311 CSE-121	4(3+1)
	13	CSE-XXX	Data Warehousing and Data Mining	CSE Depth	CSE-311	4(3+1)

	14	CSE-XXX	Digital System Design	CSE Depth	CSE- 321	4(3+1)
	15	CSE-XXX	VLSI	CSE Depth	-----	4(3+1)
	16	CSE-XXX	Biomedical Engineering	CSE Depth	-----	3(3+0)

SUMMER PROGRAM

Welcome Letter

Dear Students, Parents and Teachers,

On behalf of the Management team at Sukkur IBA University, we would like to extend a warm welcome to all incoming students. We hope you will have an enriching and rewarding experience at our summer programme and will be able to utilize it as a springboard for launching your respective careers.

The objective of our summer programme is to provide students an opportunity to receive intensive academic training from expert academics in various fields at Sukkur IBA University, one of the leading centres of learning in the Pakistan. Sukkur IBA University believes on Merit, Quality and Excellence and ranked as 3rd best Business Institute in Pakistan by Higher Education Commission within a span of 7 Years.

Fields in Summer Program:

Sukkur IBA University, an Institute known for the quality education, enviable academic environment and wonderful infrastructure has been contributing in the economic development of Pakistan for last 16 Years by imparting quality education. Our Summer Program offers an opportunity to business executives, managers and other professionals to enhance their professional skills and also provides students an opportunity to take advance credits and help cover their academic deficiencies.

We offer comprehensive range of courses under different fields mentioned below:

Fields of Study:

- * Accounting
- * Management
- * Human Resource Management
- * Finance
- * Marketing
- * Economics
- * Entrepreneurship
- * English and Communication
- * Social Sciences
- * Computer Science
- * Mathematics and Statistics
- * Electrical Engineering

Courses in Summer Program:

Accounting	Marketing
<input type="checkbox"/> Principles of Accounting-I <input type="checkbox"/> Principles of Accounting-II <input type="checkbox"/> Financial Accounting-I <input type="checkbox"/> Financial Accounting & Information <input type="checkbox"/> Fundamentals of Managerial Accounting <input type="checkbox"/> Managerial Accounting <input type="checkbox"/> Managerial Accounting for Decision Making <input type="checkbox"/> Corporate Accounting	<input type="checkbox"/> Principles of Marketing <input type="checkbox"/> Export Marketing <input type="checkbox"/> Brand Management <input type="checkbox"/> Consumer Behavior <input type="checkbox"/> Sales Management <input type="checkbox"/> Advertising Management <input type="checkbox"/> Personal Selling <input type="checkbox"/> Service Marketing <input type="checkbox"/> SAP-Sales and Distribution <input type="checkbox"/> Agri Marketing <input type="checkbox"/> Entrepreneurship Marketing <input type="checkbox"/> Social Marketing
Management	Human Resource Management
<input type="checkbox"/> Principles of Management <input type="checkbox"/> Change Management <input type="checkbox"/> Organizational Behavior <input type="checkbox"/> Comparative Management <input type="checkbox"/> Managerial Policy <input type="checkbox"/> Production Management <input type="checkbox"/> Methods in Business Research <input type="checkbox"/> Strategic Management <input type="checkbox"/> Supply Chain Management <input type="checkbox"/> Corporate Strategy <input type="checkbox"/> SAP-Material Management <input type="checkbox"/> Entrepreneurship	<input type="checkbox"/> Performance Management <input type="checkbox"/> Recruitment & Selection techniques <input type="checkbox"/> Industrial Relations & Labor Laws <input type="checkbox"/> Leadership & Team-work <input type="checkbox"/> Training & Development techniques <input type="checkbox"/> Human Resource Management <input type="checkbox"/> Compensation & Benefit Management <input type="checkbox"/> SAP-Human Resource Capital Management
Finance	Economics
<input type="checkbox"/> Introduction to Business Finance <input type="checkbox"/> Financial Management <input type="checkbox"/> Corporate Finance <input type="checkbox"/> Security Analysis <input type="checkbox"/> Financial Institutions & Markets <input type="checkbox"/> SAP-Financial Information & Confirmation <input type="checkbox"/> Strategic Financial Management <input type="checkbox"/> Financial Reporting and Analysis <input type="checkbox"/> Advance Corporate Finance <input type="checkbox"/> Portfolio Management	<input type="checkbox"/> Principles of Macroeconomics <input type="checkbox"/> Principles of Microeconomics <input type="checkbox"/> Development Economics <input type="checkbox"/> Managerial Economics <input type="checkbox"/> Econometrics <input type="checkbox"/> Engineering Economics & Management <input type="checkbox"/> Management & Organization of Pakistan Economy <input type="checkbox"/> Analysis of Pakistan Industries
Social Sciences & Others	English & Communication
<input type="checkbox"/> Social Psychology <input type="checkbox"/> Human Behavior <input type="checkbox"/> Pakistan History <input type="checkbox"/> Pakistan Studies & Islamic Studies	<input type="checkbox"/> English Grammar <input type="checkbox"/> English Composition <input type="checkbox"/> Business Communication <input type="checkbox"/> Speech Communication <input type="checkbox"/> Communication & Presentation Skills

English & Communication	Mathematics and Statistics
<input type="checkbox"/> Business & Technical Writing Skills <input type="checkbox"/> English Phonetics <input type="checkbox"/> Functional English	<input type="checkbox"/> Linear Algebra and Differential Equation <input type="checkbox"/> Linear Algebra
Computer Science	Electrical Engineering
<input type="checkbox"/> Computer Architecture <input type="checkbox"/> Computer Communication and Networks <input type="checkbox"/> Network Security & Cryptography <input type="checkbox"/> Database Management Systems <input type="checkbox"/> Introduction to Programming <input type="checkbox"/> Object-Oriented Analysis and Design <input type="checkbox"/> Web Engineering <input type="checkbox"/> Management Information Systems <input type="checkbox"/> Computer Graphics and Animation <input type="checkbox"/> Analysis of Algorithm <input type="checkbox"/> Data Structure and Application <input type="checkbox"/> Object Oriented Programing <input type="checkbox"/> Software Engineering <input type="checkbox"/> Human Computer Interaction <input type="checkbox"/> Assembly Language <input type="checkbox"/> Algorithms and Data Structures <input type="checkbox"/> Introduction to ICT (Information and Communication Tech) <input type="checkbox"/> Mobile Application Development <input type="checkbox"/> Computer Applications to Business <input type="checkbox"/> Simulation and Modeling	<input type="checkbox"/> Analog & Digital Communication <input type="checkbox"/> Computer Aided Engineering Drawing <input type="checkbox"/> Fundamentals of Telecommunication <input type="checkbox"/> Wireless & Mobile Communication <input type="checkbox"/> Business Telecommunication <input type="checkbox"/> Signals & Systems <input type="checkbox"/> Microwave and Radar Engineering <input type="checkbox"/> Optical Communication <input type="checkbox"/> Mobile & Pervasive Computing <input type="checkbox"/> E-Business Management <input type="checkbox"/> Basic Electronics <input type="checkbox"/> Circuit Analysis <input type="checkbox"/> Digital Logic Design <input type="checkbox"/> Electronic Devices & Circuits <input type="checkbox"/> Electromagnetic Theory <input type="checkbox"/> Micro-processor & Interfacing Techniques <input type="checkbox"/> Electronic Circuit Design <input type="checkbox"/> Amplifiers and Oscillators <input type="checkbox"/> Instrumentation and Measurement <input type="checkbox"/> Antena and Wave Propagation
Mathematics and Statistics	<input type="checkbox"/> Microwave and Redar Engineering <input type="checkbox"/> CAED (Computer Aided Engineering Drawing) <input type="checkbox"/> Workshop Practice <input type="checkbox"/> Digital Signal Processing <input type="checkbox"/> Linear Circuit Analysis <input type="checkbox"/> Network Circuit Analysis <input type="checkbox"/> Telecom Switching and Transmission
<input type="checkbox"/> College Algebra <input type="checkbox"/> Fundamentals of Mathematics <input type="checkbox"/> Business Maths and Statistics <input type="checkbox"/> Probability & Statistics <input type="checkbox"/> Numerical Analysis <input type="checkbox"/> Introduction to Statistics <input type="checkbox"/> Calculus-I <input type="checkbox"/> Calculus-II <input type="checkbox"/> Statistical Inferences <input type="checkbox"/> Discrete Structures <input type="checkbox"/> Differential Equations	

Why our Summer Program:

Our Summer Program has a number of advantages and there are several reasons why you should attend this. Below are a few of the areas where we believe our strengths lie:

- ❖ Alongside the courses we offer, we also provide expert advice to students on applying to Sukkur IBA University for their undergraduate studies and Graduate Studies and what career paths would suit their intellectual abilities.
- ❖ Our program emphasizes the development of soft skills such as networking, team working and leadership.
- ❖ We train our students in special techniques for improving performance at interviews.
- ❖ We encourage active participation in class discussions so that every student gets to make an individual contribution.
- ❖ Train our students to develop their critical thinking skills and question established theories and concepts.
- ❖ We use latest teaching techniques that make learning a fun and interactive process and include a number of co-curricular activities.

Note:

- ❖ Summer Course will be offered at minimum five registrations in that course.
- ❖ For final year students that may be relaxed subject to condition that students submit the fee of remaining students.

SCHOLARSHIPS AND FINANCIAL ASSISTANCE ARE OFFERED TO STUDENTS:

SCHOLARSHIP OPPORTUNITIES:

- * Sindh Endowment Fund Scholarship
- * LU Continental Biscuit Scholarship
- * HEC USAID Merit & Need based Scholarship Program
- * HEC- Needs & Merit Based Scholarship
- National ICT R&D Fund Scholarship:
- * National ICT R&D Fund Scholarship Program 2010
- * PM-National ICT R&D Fund Scholarship Program Fall 2011
- * PM-National ICT R&D Fund Scholarship Program 2011
(Extended for Spring 2012)
- * PM-National ICT R&D Fund Scholarship Program 2012 (Fall Intake)
- * PM-National ICT R& Fund Scholarship Program Fall 2013
- * United Bank Limited Scholarship Program
- * Shell Scholarship Program
- * Ayesha Memon Scholarship Program
- * SSGC Scholarship Program
- * Mr. Ahmed Ali Sheikh Scholarship Program
- * Individual Scholarship Program
- * Mr. Usman Ghani Khatri & Abdul Ghaffar Bhadelia Scholarship Program
- * Rural Education & Health Development Society
- * Mera Passion Pakistan Scholarship Program
- * Meezan Bank “ Ihsan Trust” Students Loan
- * Sindh Small Cottage & Industry Sukkur
- * SANA FAME Scholarship Program
- * Mr. Pehlaj Roy Scholarship Program

WHY STUDY AT SUKKUR IBA UNIVERSITY

- Learn the skills and abilities that are needed in today's work place and fundamental concepts that will be important for decades to come.
- We provide the educational foundation necessary for life-long learning.
- We strive to integrate research and education so that research contributes tangibility to the undergraduate and graduate curriculum, keeping it continually up-to-date.
- Through Research and innovation, we create collaborate bridges across Sukkur IBA University and educate to the next generation.
- Through research and innovation, we create collaborative bridges across Sukkur IBA University and educate the next generation of global leaders.

ACADEMIC ACHIEVEMNET:

- * HEC ranked us as 3rd best business schools in Pakistan.
- * Case Based Teaching Methodology.
- * Special Focus on Faculty Development.
- * 30 Faculty Members pursuing MS Leading to Ph.D. in top foreign universities sponsored by Sukkur IBA University through Faculty Development Program.
- * Establishment of Career Development Center (CDC).
- * Establishment of Center for Entrepreneurial Leadership and Incubation.
- * Introduced degree program in Entrepreneurship.
- * Introduced degree program in Agri-Business
- * Establishment of Department of Education Management.
- * Quality Enhancement Cell (QEC).
- * Membership of AACSB (Association to Advance Collegiate Schools of Business).

- * Membership of Programs by National Business Education Accreditation Council (NBEAC).
- * Accreditation of programs by National Computing Education Accreditation Council (NCEAC), which awarded the Highest category "W" to Sukkur IBA University's Computer Science programs.
- * Accreditation of Engineering Program by Pakistan Engineering Council (PEC).
- * Academic Linkages with Asian Institute of Technology, Bangkok, University of British Columbia, Simon Fraser University Canada and Kent University, UK.
- * Network of Four Community Colleges in under-developed districts
- * Campus Management Solution & Learning Management Software
- * Credit Course through video conferencing facility from Professors of USA, UK and Ireland.
- * NBEAC (National Business Education Accreditation Council) has awarded the accreditation to Sukkur IBA University and awarded "W" category to the Business Administration Degree Programs (BBA & MBA) which is the top most ranking category.
- * WWF certifies Sukkur IBA University as the first Green Office / Campus across Pakistan.
- * Center for Entrepreneurship and Incubation (CELInc.) at Sukkur IBA University in collaboration with Higher Education Commission (HEC) of Pakistan established a Business Incubation Center (BIC).

Disclaimer:

The Competent authority of Sukkur IBA University reserves all rights to change and update any data and information presented herein and also amend the policies given herein.

DROP OUT POLICY

The proposed dropout policy for business department is as under:

For BBA (4 Years)/BS (04 Years)/BE (04 Years)/MBA (4 Years) Program

1. If any of the students is dropped during 1st or 2nd year of program, he/she may rejoin the program from the 1st semester without appearing in the entry test.
2. If any of the students is dropped during the 3rd or 4th year of program, he/she may be regulated under the term back policy.

For MBA (2 Years) Program

1. In this program, if any of the students is dropped during 1st year of program, he/she may rejoin from in the 1st semester without appearing in the entry test.
2. If any of the students is dropped in the 2nd year of program, he/she may be regulated under the term back policy.

For EMBA (2 Years) Program

In this program the drop out policy may be different from the regular programs at Sukkur IBA University.

1. Students of this program have to maintain minimum of 2.2 CGPA.
2. Only Two Probations will be allowed to EMBA students like in our regular program.
3. If students are awarded with “F” grade in any of the course(s), then the grading of that course will not be included in the CGPA calculation.
4. If the any of the EMBA candidates failed to fulfill the above mentioned criteria, he/she will be dropped.
5. If any of the students is dropped during 1st year of program, he/she may rejoin from in the 1st semester without appearing in the entry test.
6. If any of the students is dropped in the 2nd year of program, he/she may be regulated under the term back policy.

FEE REFUND POLICY:



Sukkur Institute of Business Administration

MERIT - QUALITY - EXCELLENCE



No: SUK-IBA/Rgv/1227/12

Dated 17 - 09 - 2012

NOTIFICATION

This is notified information to all the student, parents and teachers of the University/Institute that the Higher Education Commission (HEC) has announced the policy of **Fee Refund** on National Level in all HEIs of Pakistan under the Agenda Item#03 of the 27th meeting of the Commission held on August 27, 2012 as per following schedule:

%age of Tuition Fee	Timeline For Semester/Trimester System	Timeline for Annual System
Full (100%) Fee Refund	Up to 7 th day of convene of classes	Up to 15 th day of convene of classes
Half (50%) Fee Refund	From 8 th – 15 th day of convene of classes	From 16 th – 30 th day of convene of classes
No Fee (0%) Refund	From 16 th Day of convene of classes	From 31 st day of convene of classes

Sukkur IBA has adopted above fee refund policy with immediate effect.

Engr. Zahid Hussain Khand
Registrar
Sukkur IBA

Cc to:

1. PS to Director
2. All HoDs
3. Treasurer
4. Internal Auditor
5. Controller of Examinations
6. Director CDC
7. All Notice Boards
8. Admission Office
9. All Concerned

Sukkur IBA - Airport Road Sukkur-65200, Pakistan UAN: +92-71 (111-785-422) Tel: +92-71-5630272-5633490, 5633492
Fax: +92-71-5632465 E-mail: info@iba-suk.edu.pk Website: <http://www.iba-suk.edu.pk>

7. Evaluation and Grading

The performance of students is evaluated through a system of continuous testing spread over the entire period of studies. In addition to the final examination given at the end of each semester, students are tested through term examinations, a series of short quizzes, class discussions, written assignments, research reports, presentation in different topics etc all which contribute to the final grade.

Students have to sit for two mid-term examinations for each course every semester (score of both term examinations are counted towards the final grade).

A number of surprise quizzes are also conducted during the semester to assess the performance of the students.

To rate student's academic performance, the following grades are applied, which are subject to change at Sukkur IBA University's discretion;

Grade	Percentage	CGPA
A	93 – 100	4.00
A-	87 - 92	3.67
B+	82 - 86	3.33
B	77 - 81	3.00
B-	72 - 76	2.67
C+	68 - 71	2.33
C	64 - 67	2.00
C-	60 - 63	1.67
F	0 - 59	0

In determining the course grade, sixty percent of the final grade is based on the semester work and 40 percent is on the semester final examination. The Institute may modify weights assigned to the semester final examination and semester work for courses. If the requirements of the courses are not met within the semester, the student receive 'F' grade. No make-up examination is allowed in any case under any circumstances for students.

A Cumulative Grade Point Average (CGPA) is computed at the end of the semester for all students. Final letter grade for practical exam in each course is converted to grade points on the following basis.

Grade	Percentage / Marks	CGPA
A	46 – 50	4.00
A-	44 - 45	3.67
B+	42 - 43	3.33
B	39 - 41	3.00
B-	37 - 38	2.67
C+	35 - 36	2.33
C	32 - 34	2.00
C-	30 - 31	1.67
F	0 - 29	0

The CGPA is computed as follows:

Sum of (credit hrs x grade points) / Sum of Credit hours

Minimum CGPA Requirements

A student must have maintained a minimum CGPA of 2.2 on the cumulative basis during his / her stay at the Sukkur IBA University. Any student with a CGPA of less than 2.0 is dropped from the rolls of the Institute.

A student securing a CGPA between 2.0 and 2.2 is put on probation for one semester and required to improve his / her CGPA and bring it to the required minimum 2.2 in the following semester. No semester break is allowed during this time.

If a probationer shows an improvement / count his / her CGPA is still below 2.2 his / her probation may be extended for another semester. If he / she still fail to improve C his / her GPA 2.2 by the end of the next semester, he / she will be dropped from the rolls of the Institute.

If a student fails to pass certain courses and yet manages to maintain his / her GPA equal to or above 2.2 he / she is allowed to repeat and clear' the course (s) or substitute (s), whatever permissible, before the degree is awarded to him / her. The GPA and CGPA is computed at the end of each semester including the summer semesters that a student enrolls in.

For the subjects having Lab component, students must pass the subjects with minimum GPA in both theory and practical. If any student fails in any component (Theory/Practical), he/she has to repeat the course both theory and practical.

50% Marks policy in final result

Students are required to secure 50% marks out of Total marks in i.e (40/50) final result of every subject to improve quality of education.

8. Internship Evaluation

The summer internships for full-time students are closely monitored and evaluated. Interns are encouraged to discuss their problems with the faculty members during the follow-up meetings arranged for this purpose during the internship period. Faculty members to frequently visit the organizations to keep abreast of the progress of internees. At the end of internship, students submit an internship report, certificate and are also interviewed in detail. Feedback about the performance of the internee is also obtained from the supervisors of the internee. A final grade is awarded to the internee on the basis of the interview, the follow-up meetings and visits, the internship report and the company's supervision's evaluation.

9. Comprehensive Examination

All students have to pass the Comprehensive Examination as a partial requirement for the MBA degree.

- a. A student must pass the comprehensive examination within 05 years after completing the course work.
- b. There shall be no restriction on number of attempts in the allowed period of time.
- c. Degree is not issued if student does not pass the Comprehensive Examination, only provisional transcript may be issued.
- d. Comprehensive examination shall be held on the second Sunday of July and February of every year.

10. General Rules for Full-time Students

a. Attendance

The provision of absences is for emergencies such as late comings or sickness during a semester. These cannot be used on the first day of the semester or before midterm / final examinations. Students are required to attend lectures, laboratory sessions, seminars and fieldwork as may be specified for each course regularly each semester. In case a student accumulates more than six absences in courses, or three during summer courses, he / she is awarded "F" Grade in the particular course. The teachers take attendance online through CMS system in each class (of one hour) late comers are marked absent: No excuse is accepted in this regard.

b. Withdrawal from a Course

Students are allowed to withdraw from one course in a semester if such withdrawal helps the student in improving his / her performance in the remaining courses. The withdrawal must be sought on prescribed form after the 2nd midterm examinations. Withdrawal from a course is not treated as a failure. However, once a student has accumulated-more than six absences in any course, he/she is not allowed to withdraw from that course and is awarded as 'F' Grade.

c. Improvement of Grades

The students are allowed to repeat courses with (C, C-) grades for improvement. The repetition of courses is however not allowed to students dropping out in the same semester.

d. Policy on Cheating

The Sukkur IBA University maintains a very strict policy on academic improprieties. Based on its zero-tolerance for such activity, any student found cheating or using unfair means is expelled from the Sukkur IBA University and is not eligible for readmission.

e. Summer Semester

Students undertaking an internship during the summer semester are not allowed to register for an advanced credit or additional course. However, such students are allowed to remove deficiency in one course during the summer semester.

Students not doing an internship can clear up to two deficiencies, in the summer semester.

Students may withdraw from one course during the summer semester. Withdrawal should be sought within a week of the midterm examination.

f. Make-up Examination

A make-up for the semester final examination is not allowed in any case or circumstances.

g. Transcript of Record

Students can get a transcript of their grades at Institute within two weeks. Urgently required transcripts can be obtained within three working days on payment of prescribed fee.

11. Procedure for Issuance of Degree

a. The applicant is required to enclose the following documents with the application form:

- (1) Original Enrolment Card.
- (2) Attested photocopy of Transcript

b. The applicant should fill up his / her name and father's name as entered in the Enrolment Card

c. Duplicate Degree

The Duplicate Degree can be issued on prescribed application form along with

- (1) An attested photocopy of lost degree
- (2) An affidavit on a stamp paper of Rs. 20/- duly attested by, a First Class Magistrate.
- (3) Original cutting of the newspaper announcing the loss of the degree.

In the absence of a photocopy of lost degree the applicant is required to submit all documents as mentioned under Serial No. a & b.

d. **Fee**

Candidates are required to deposit the prescribed fee through directly into the institute of Sukkur IBA University, bank accounts designated for, this purpose. (PAYMENT THROUGH CHEQUE / CASH WILL NOT BE ACCEPTABLE).

e. **Duplicate Degree Fee**

An additional prescribed fee besides ordinary fee.

f. **Urgent Degree Fee**

An additional prescribed fee besides ordinary fee.

g. **Time for Issuance of the Degree**

Ordinary: One month

Urgent: 10 days

Degree shall be issued only to the student in person or to a person duly authorized by the student.

h. **Eligibility**

- (1) Enrolment with Sukkur IBA University.
- (2) Passing the comprehensive examination (For MBA)
- (3) Completion of complete course work.

12. **Migration**

- a. Students desiring to leave the Sukkur IBA University shall apply to the Controller of Examination with necessary fee giving reasons, in the application.
- b. No migration certificate will be issued to a student who has been debarred from appearing an examination or expelled from the Sukkur IBA University for misconduct, till such time as the period of punishment lasts.
- c. If a student after taking a migration certificate does not join any other University and wishes to re-join Sukkur IBA University he / she will surrender the migration certificate issued to him / her and his / her name may be restored in the Register of Students after payment of the prescribed enrolment fee.

THE CONDUCT OF EXAMINATIONS

1. Preamble

Whereas it is necessary to maintain integrity of the system of examinations and evaluation at all levels of education and to create utmost trust in the degrees, diplomas and certificates awarded by the Institute, and whereas all examinations must be conducted in an environment of maximum fairness, the ensuring Regulations define acts of unfair-means in examinations, prescribe penalties and lay down procedure for due process against violators of the integrity of the examination system.

2. Title

These regulations, framed in pursuance of Section 23 (1) (c) of the Sukkur IBA University Gazette / Act XVIII of 2006, for the establishment of the Sukkur IBA University, shall be called “Sukkur IBA University Regulation Relating to the Use of Unfair-Means and Academic Dishonesty in the Examinations, 2006.”

3. Commencement

These Regulations shall come into force with immediate effect.

4. Applications

These Regulations shall apply to all students of the Institute.

5. Definitions

In these Regulations, unless there is anything repugnant to the subject or context, the following expressions shall have the meanings hereby respectively assigned to them as under:

- (a) “Campus” means a Constituent Campus of the Institute;
- (b) “Campus Unfair-Means Control Committee” means a Committee constituted on a campus for the stated purpose, and hereinafter shall be referred to as the Committee in these Regulations;
- (c) “Institute” means the Sukkur IBA University;
- (d) “Officer In charge of Examinations” means and officer appointed as such on a campus, for the stated purpose and hereinafter shall be referred to as the Secretary of the Committee, under these Regulations;
- (e) “Director” means the Director of the Institute;
- (f) “Student” means a student of the Institute;

- (g) “Teacher” means Professors, Associate Professors, Assistant Professors, Lecturers, Lab Engineers and Research Staff, engaged on whole time basis by the Institute for teaching at the Institute, and such other persons as may be recognized to be Teachers by the Senate.

All other terms and expressions used in these Regulations shall have the same meaning as assigned to them under Section 2 of the Sukkur IBA University Gazette / Act XVIII of 2006.

6. ***Unfair Means in Examinations***

The following shall constitute acts of unfair-means during an examination:

- (a) Using hand signals during an examination.
- (b) Procuring or divulging information to a student pertaining to the examination question paper.
- (c) Concealing notes on clothing, hands, caps, shoes or in pockets.
- (d) Supplying to a student during his / her examinations, answer to a question that may or may not be contained in the question paper.
- (e) Copying from any paper, book or note, or any electric device, or allowing any other student to copy the answer, or using or attempting to use these or any other unfair means.
- (f) Possessing papers, books notes, any electric device, mobile phone, or any materials which may possibly be of assistance in the examination, and which have been explicitly prohibited in the examination.
- (g) Giving or receiving unlawful assistance during an examination.
- (h) Impersonating or falsely representing a student in the examination.
- (i) Replacing an answer book or any portion thereof.
- (j) Mutilating an answer book by way of tearing off pages.
- (k) Impeding the progress of an examination by any means whatsoever.
- (l) Assaulting or threatening to assault any person in charge of an examination.
- (m) Possessing fire-arms or anything capable of being used as a weapon of offence during an examination.
- (n) Falsifying an examination result by any means including the substitution of answer books, mutilation, or alteration of the examination records, etc.
- (o) Approaching or influencing an employee of the Institute to act corruptly or dishonestly in the conduct of an examination, declaration of examination result, or marking of paper or obtaining secret information relating to an examination.
- (p) Intentionally or knowingly representing the words or ideas of another as one’s own in any academic exercise, and failure to attribute direct quotation, paraphrase, or barrowed facts, information, or prose.
- (q) Mutilating, altering, interpolating or erasing a certificate or other document or any record maintained by the Institute, or in any manner using or causing to be used, a certificate, document or record, knowing that it is mutilated, interpolated or erased.
- (r) Any such offence which is deemed to constitute the use of unfair-means.

7. ***Committee to Deal with the Use of Unfair Means***

(a) The Campus Unfair-Means Control Committee shall normally consist of:

- | | | |
|-------|---|------------------|
| (i) | Chairman/Head of a Department,
to be nominated by the Director,
as the case may be | Chairman |
| (ii) | Three teachers from different Departments
to be nominated by the Director,
as the case may be | Members |
| (iii) | Officer In Charge of Examinations | Member/Secretary |

The term of office of the members, other than the ex-officious, shall be two years.

- (b) The Secretary shall be responsible for calling meeting of the Committee and when required; for maintaining the record of its deliberations; and for further action if the Committee's decisions are challenged at any forum.
- (c) The decision of the Committee by the majority shall be final, otherwise the matter shall be referred to the Director, as the case may be, who shall either decide the matter at himself/herself, or refer it back to the Committee for review.
- (d) The Committee shall reconsider the case, whose decision, or otherwise, the decision of the Director, as the case may be, shall be final.

8. ***Procedure for Action against Offenders***

When an incident of malpractice occurs, the examiner / invigilator / teacher shall immediately stop the student(s) from continuing the malpractice. The following procedure against the offender(s) shall be observed:

- (a) The examiner / invigilator / teacher shall demand signature on the documents used in malpractice, from the accused student(s). In case the accused student(s) refuse(s) to sign, the fact shall be noted in writing in the examiner/invigilator/teacher's report.
- (b) The examiner/invigilator/teacher shall report the matter with evidence to the chairman/head of department concerned in writing, immediately upon the completion of the examination in which the malpractice had occurred. The chairman/head of the department concerned shall forward the matter to the Secretary of the Committee for further processing.
- (c) The Secretary shall issue a show-cause notice to the accused student(s) giving him/her/them a reasonable opportunity to reply.
- (d) The Secretary shall then calls a meeting of the Committee in consultation with the Committee's Chairman, to which the accused student(s) shall also be called defend himself/herself/themselves.

- (e) If necessary, the Committee may call the reporting examiner/ invigilator/teacher to its meeting for further clarification.
- (f) The findings/recommendations shall be submitted to the Director, as the case may be, for approval.
- (g) The Secretary shall communicate the decision of the Committee to the accused student(s) and to all other concerned.
- (h) In case involvement of an employee is proved in the malpractice, the findings and recommendations of the Committee shall be sent to the Director, as the case may be, for appropriate action in accordance with the Employee Efficiency and Discipline Statutes.

9. Penalties

The penalties for using unfair-means in examinations may be any of the following or a combination thereof:

- (a) Cancellation of the examination paper in which the unfair-means were used.
- (b) Cancellation of a portion of the paper in which unfair-means were used.
- (c) A fine of upto Rs. 20,000 commensurate with the offence.
- (d) Cancellation of the entire examination result of a semester, whether or not already completed, wherein the malpractice occurred.
- (e) Cancellation of the entire course to which the examination paper was related.
- (f) Disqualification from appearing in examinations for specified period.
- (g) Rejection of the research report, dissertation, or thesis when found guilty of plagiarism.
- (h) Expulsion from the rolls of the Institute.
- (i) Rustication from the Institute.
- (J) Forfeiture of degree/diploma/certificate.

Sukkur IBA University Knowledge Center (Library)

Introduction:

Library at Sukkur IBA University is a world class facility for students, researchers and academicians. State of the art technology tools are being utilized in the Library for maximum facilitation of the users. Qualified and experienced staff of the library remains engaged in providing proactive library services to library clients. Keeping in view the needs of library users, diverse library services are initiated.

Print & Electronic Books:

Library has a collection of more than 40,000 books in print format. These books are on a variety of subjects catering to needs of students, researchers and faculty members. More than 100,000 electronic books have been made available to the users in digital library. The electronic books can be used by adhering to copyright laws.

Periodical Collection:

Library subscribes to more than 40 print journals whereas an access to more than 7000 electronic journals is also available through various online databases. The library owns a periodical section which displays the latest journals, magazines and newspapers. Library also subscribes to five national and one international newspaper. Dawn, The News, Business Recorder, Jang, and Express are the national newspapers.

Electronic Databases:

Library is providing IP based access to electronic resources through online databases. Below mentioned databases can be accessed across the campus:-

- African Cultural Heritage Sites and Landscapes
- Cambridge Journals Online
- eBrary
- Emerald Insight
- IMF e-Library
- JSTOR
- JSTOR – Global Plants
- McGraw-Hill’s Access Engineering
- McGraw-Hill’s Access Science
- Springerlink
- Struggles for Freedom in Southern Africa
- Taylor & Francis Journals
- Wiley Online Library

Services @ Library:

Following services are available:

check-out, check in, reservations, reference services, readers services literature searching, digital Library, Online Public Access Catalogue (OPAC), helpdesk services, online renewal, inter library loan, electronic document delivery, table of contents services, multimedia services etc.....

Donated Collections:

Library welcomes unconditional donations. A number of books donations have been received and are processed to make them ready for users. The major donated collections include more than 5000 books and magazines with diverse subject coverage from Syed Shah Muhammad Shah and a very good collection of books from worthy Director Sukkur IBA University, Mr. Nisar Ahmed Siddique. In order to acknowledge these donations Riaz Siddiqui and Shah Muhammad Shah corners are established in the library.

Systems:

Library at Sukkur IBA University is utilizing a state of the art integrated library management system i.e. VIRTUA. EM and RFID based security and shelf management system respectively have also been deployed to facilitate library users and staff. For the facilitation of users, a drop box has also been installed where they can self check-in their borrowed items during library hours as well as when the library is closed. Chamo is web based Online Public Access Catalogue (OPAC) of the library. Users of the library have an online account at library portal which helps them take benefit of library services remotely. Users can view their borrowed items, overdue items, and fines. They can renew their borrowed items by logging in to their library accounts.

Library Opening Hours:

Sukkur IBA University library operates in following hours:-

09:00 AM to 10:00 PM (Monday to Saturday)

10:00 AM to 04:00 PM (Sunday)

Closed on holidays announced by Sukkur IBA University administration

Library opening hours may be extended, as per need, during examinations.

Borrowing Privileges:

Members of the faculty, staff, fellows and research scholars on their joining and students on their admission to the institute become member of the library. However, they are required to fill up and sign the library membership form to activate their membership.

Users are entitled to borrow books as per following privileges:-

<u>MEMBERSHIP CATEGORY</u>	<u>BORROWING PRIVILEGE</u>	<u>LOAN PERIOD</u>
Undergraduate Students	04 Books	14 Days
Graduate & Post Graduates	08 Books	14 Days
Teaching Assistants	04 Books	14 Days

Research Associates	08 Books	14 Days
Faculty	30 Books	120 Days (One Semester)
Staff	04 Books	14 Days
Other Members	04 Books	14 Days

General Rules:

- All members shall be required to leave their personal belongings (books, files, briefcases, handbags, registrar, etc) at the entrance of library.
- Library disclaims any responsibility for any loss.
- Users are not allowed to write, underline or mark the library books. The library books are carefully examined on return and the borrower shall be held responsible for defacing or damaging or causing loss of library material in their possession.
- In case of study in the library, after consultation the library materials are to be left on the reading table, which shall be shelved by the library staff appropriately.
- Complete silence shall be observed inside the library ground floor, except for brief and subdued talk with the library staff at the circulation desk or any other section of the library. However, non-noisy discussions are allowed in designated discussion rooms.
- Drinking (except water) and eating shall not be allowed inside the library.
- Use of mobile phone and smoking are strictly prohibited inside the library.
- Institutional card is a must for access to library premises and to check out any library item.
- Users have to pay Rs. 500 for new library card and for replacement in case of loss or damaged card.

Fines:

To encourage timely return of library materials and to provide optimal sharing of the collections, fines are charged for overdue items. Borrowers are responsible for returning or renewing items by the due date.

- If item are not returned within the due date, fines become retroactive to the first overdue day at Rs. 10/- per book per day.
- **Lost Books:** In case of loss or damage, the patron will have to replace the lost item with the original or new edition or he / she will be charged two times the current price of the item.
- **Disciplinary Fines:** Rs. 500/- on first time violation. If the patron continues the violation, the case will be referred to the disciplinary committee.

- Overdue and fine notices will be sent through official email. All library fines are only paid with the bank through bank challan. Library account will be blocked if the fine exceeds Rs. 5,000/-
- Report lost(s) or other material(s) to the library immediately through email or personally at circulation desk to avoid fines.
- Make sure that you know the due dates you check out library material. It will help you avoid overdue fines by online renewing of your borrowed item(s) within due date.
- While returning library books or other materials at the circulation desk, please ensure that the circulation staff has returned the item(s) from your account.
- Do not give your library card or checked out material(s) to others. This may be helpful to avoid hefty overdue fines, especially in case of non-circulating textbooks.

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- **Informational Retrieval Systems:**

libraryportal.iba-suk.edu.pk
 library.iba-suk.edu.pk
<http://digitallibrary.iba-suk.edu.pk:8080/xmlui/>

Contacts:

	Amir Subhani
Deputy Chief Librarian	Email: deputychief librarian@iba-suk.edu.pk amir.subhani@iba-suk.edu.pk ,

	Naveed Mustafa
Circulation, Electronic Resources and Serials Management	Email: naveed.mustafa@iba-suk.edu.pk circulation@iba-suk.edu.pk libraryhelpdesk@iba-suk.edu.pk

REGULATIONS GOVERNING STUDENTS DISCIPLINE

1. Preamble

It is a primary goal of the Institute to create conditions on its campuses which are conducive to not only imparting education to students in a peaceful and serene environment, but also to enrich their personalities by inculcating in them a sense of reason, tolerance, discipline, enlightened moderation, and civilized behavior, thereby ensuring an orderly and decent atmosphere of learning. The following Regulations establish the Ground Rules of permissible student behavior and structure for their enforcement.

2. Title

These Regulations, framed in pursuance of Section 21(2) (s) of the Sukkur IBA University Gazette / Act XVIII of 2006, for the establishment of the Sukkur IBA University, shall be called “Sukkur IBA University Students Discipline Regulations, 2006”.

3. Commencement

These Regulations shall come into force with immediate effect.

4 Application

These Regulations shall apply to all the students of the Institute.

5. Definitions

In these Regulations, unless there is anything repugnant to the subject or context, the following expressions shall have the meanings respectively assigned to them as under:

- (a) “Academic Council” means the Academic Council of the Institute;
- (b) “Senate” means the Senate of the Institute;
- (c) “Campus” means a Constituent Campus of the Institute;
- (d) “Discipline Committee” means the Discipline Committee constitute at the Institute;
- (e) “Institute” means the Sukkur IBA University;
- (f) “Officer In-charge of Student Affairs’ means the Officer In-charge of Student Affairs, by whatever name called;
- (g) “Provost” means the Provost of the Institute;
- (h) “Director” means the Director of the Institute;
- (i) “Student” means the student of the Institute.

All other terms and expressions used in these Regulations shall have the same meaning as are assigned to them under Section 2 of the Sukkur IBA University Gazette / Act XVIII of 2006.

6. Competent Authorities

In order to facilitate maintenance of student discipline on the campuses, following shall be the competent authorities:

- (a) The Director
- (b) Discipline Committee
- (c) Provost
- (d) Officer In-charge of Student Affairs/Program Officer

7. Discipline Committee

- (a) The Discipline Committee shall comprise the following members.
 - (i) The Director or his / her nominee, as Chairman;
 - (ii) Three senior teacher to be nominated by the Director as members;
 - (iii) The Provost, as member.
 - (iv) The In-charge Student Affairs, as member who shall also act as Secretary.
- (b) The terms of office of the member of the Discipline Committee other than the ex-officio members shall be two years.
- (c) The quorum for a meeting of the Discipline Committee shall be three members.
- (d) The functions of the Discipline Committee shall be:
 - (i) To deal with all cases of indiscipline and misconduct of students in the Institute and in the Campuses.
 - (ii) Propose Regulations to the Academic Council for the conduct of students, maintenance of discipline, and for dealing with cases of indiscipline; and
 - (iii) Perform such other functions as may be assigned to it by the Regulations.
- (e) An appeal against the decision of the Discipline Committee shall lie with the Director, whose decision shall be final and binding.

8. Act of Indiscipline

The following, among others, shall constitute as acts of indiscipline cognizable under these Regulations:

- (a) Violation of public morals, such as use of indecent and abusive language; undesirable verbal remarks and vulgar gestures; acts of moral turpitude; disorderly behavior; quarrelling; fighting; insolence towards others; use of force; breaking laws; etc.
- (b) Indulgence in act that may cause insult or bodily injury to fellow students, teachers, officers, staff & other employees.
- (c) Defiance of lawful authority.
- (d) Spreading by word of mouth or written material religious, sectarian, ethnic, regional or linguistic conflict, or hatred.

- (e) Impersonation, giving false information, wilful suppression of information, cheating, deceiving, plagiarizing.
- (f) Possession, carrying or use of any type of weapons/fire arms or explosive material in the premises of the campus.
- (g) Damaging campus property, including its buildings, equipments, vehicles, etc.
- (h) Using campus property, including its buildings, equipment, vehicles, etc. without lawful authority.
- (i) Encouraging, assisting or aiding another person to commit misconduct.
- (j) Possession, sale, distribution or consumption intoxicants/drugs on campus.
- (k) Using of student organizations for furthering the cause of a political party.
- (l) Circulation by word of mouth or in written form material derogatory to Pakistan, Islam or any other religion.
- (m) Allowing or abetting entry of expelled/rusticated students or anti-social elements to the campus.
- (n) Obstructing the smooth functioning of the campus or causing disruption of curricular/co-curricular/extracurricular activities.

09. Punishment/Penalties for Acts of Indiscipline

Punishment or penalties for acts of indiscipline shall be commensurate with the gravity of the offence, and may be any one or combination of the following, or any other punishment or penalty deemed appropriate by the Discipline Committee, as the case may be:

(a) Minor Punishment/Penalties

- (i) Censure or warning in writing.
- (ii) Probation for a specified period.
- (iii) A fine of under Rs. 10,000 commensurate with the nature and extent of the act of indiscipline.
- (iv) Withholding of a certificate of good moral character for specified period.
- (v) Withholding benefits/privileges available to the students of the campus for a specified period.
- (vi) Withholding of an examination result for a specified period.
- (vii) Declining admission in the Campus Hostel.
- (viii) Withdrawal of membership from students' club/ societies.
- (ix) Ban on representing the Campus and the Institute for a specified period.
- (x) Cancellation of financial benefits/concessions for a specified period.

(b) Major Punishment / Penalties

- (i) A fine of over Rs. 10,000, commensurate with the nature and extent of the act of indiscipline.
- (ii) Suspension of admission and ban on entry into the campus for a specified period.
- (iii) Cancellation of an examination result.
- (iv) Rustication from the Institute for a specified period and ban of entry into the campus.
- (v) Expulsion from the Institute and ban on entry into the campus.
- (vi)

10. Procedure for Dealing with Acts of Indiscipline

Acts of indiscipline shall be reported to the Discipline Committee , for dealing with the case, which shall follow the procedure:

- (a) The Secretary Discipline Committee shall issue a show-cause notice to the student charged with an act of indiscipline.
- (b) The Discipline Committee shall ensure that the student against whom disciplinary proceedings have been initiated is given an adequate opportunity to explain his / her conduct.
- (c) The Discipline Committee may ask, if necessary, the student(s) charged with an act of indiscipline to personally appear before the Committee.
- (d) In case the reply to the show-cause notice is not received within the specified time, or if the student concerned fails to appear before the Committee when so required, the Committee may take an ex-parte decision.
- (e) An appeal against the decision of the Discipline Committee or Campus Discipline Committee, as the case may be, may be filed with the Director, as the case may be, within 15 days of the notification of the decision.
- (f) The Director, as the case may be, shall dispose of the appeal himself/herself or refer it to an Appellate Committee, comprising three senior most teachers, for review. The decision of the Director, as the case may be, shall be final, who may also provide an opportunity of personal hearing to the student(s) charged with act(s) of indiscipline.
- (g) In order to create an effect of deterrence against acts of indiscipline, the notification of the decision of penalties may be placed on the campus notice board and/or in the public media.

11. Residuary Provisions

The following are the residuary provisions of these Regulations:

- (a) Nothing provided in the clauses 10 (a) and 10 (b) shall restrict the powers of the Director, as the case may be, to issue an immediate order without referring the case to the Discipline Committee and without following the normal procedure, if circumstances so require.
- (b) Any orders of imposition of penalty/penalties may be withdrawn and misconduct pardoned as may be considered necessary by the Director, as the case may be, if after passing such orders the Director, as the case may be, is satisfied that the penalized student has exhibited genuine repentance/remorse over his / her past conduct and has promised to demonstrate and ensure improved conduct in future.

Plagiarism Policy

Preamble

1. Higher Education Commission (HEC) has formulated a comprehensive policy on plagiarism which is available on HEC website. It is mandatory for all Pakistani universities to comply with it and educate their respective faculty members, researchers and research staff about the policy.
2. The HEC policy makes no mention of its application on undergraduate students. It has therefore become necessary to devise a Plagiarism Policy to deal with undergraduate students. It is stated below for the information of and compliance by all concerned.

Scope

3. This policy pertains to the undergraduate coursework and does not include research publications or similar work. The plagiarism in publications will be dealt with in the light of HEC Plagiarism Policy.

Plagiarism Standing Committee

4. Each department will form a Plagiarism Standing Committee (PSC) to deal with respective undergraduate plagiarism cases. The committee will comprise:
 - a. HOD (Chairman)
 - b. 01 Faculty Member
 - c. The reporting person (mostly the class teacher)
 - d. 01 Student member designated by the HOD)

Reporting

5. The concerned course instructor will report all cases of plagiarism along with complete evidence, stating exactly the extent of Plagiarism to the PSC. The PSC will keep track of the plagiarists for future references.

Penalties

6. The penalties are classified into categories depending upon the magnitude of offence: minor, moderate and major penalties. The course instructor has the power to execute minor and moderate penalties but the major penalty will be decided only by the PSC.
7. In the first semester, only minor and moderate penalties will be imposed. From second semester and onwards major penalties can also be awarded. In the first semester the focus will be on apprising students of the ethical and legal consequences of Plagiarism.

Minor Penalty

8. Minor penalty will apply if the student is found guilty of copying of only a part (up to 50 %) of the core assignment / project in a course. In this case, the instructor will award zero marks in that assignment and PSC will be informed for record purposes. The instructor is to make a red entry in the folder of the student and must also counsel him or her.

Moderate Penalty

9. A moderate penalty will apply:
 - a. If the copied content is more than 50% of the assignment/project, or
 - b. If the student has already received a minor penalty.
10. In case of a moderate offence, besides awarding the student zero marks in that assignment / project, the instructor will report the matter to the PSC. The HOD will issue a written warning to the student with a copy to his parents. In this case, the PSC will carry out counseling of the student.

Major Penalty:

11. A major penalty will be awarded if the student has already received a moderate penalty. The instructor will refer the case to PSC with full details. The HOD will forward the case to SEECs Disciplinary Committee for appropriate disciplinary action.

HOSTEL RULES

General:

- i) Hostel rooms are allotted according to the policies and merit set by the Hostel Administration. Students may not claim allotment of a specific room of their choice and convenience.
- ii) All students have to sign a room inventory after taking over and keep one copy of the same with them for their record. Any damage/discrepancy will be pointed out in the room inventory form.

- iii) The student shall not occupy a room in the hostels without due allotment and taking over from administrative staff /Warden of the hostel.
- iv) He/she shall not transfer the allotted room to any other person, nor exchange it with another student without written permission from the office of Provost.
- v) Students are not allowed to exchange keys of their rooms with other students or any other unauthorized person. They shall not make, in any circumstances, duplicate keys at their own. Locks compromised in any way due to negligence of a student shall be replaced at the cost of concerned student.
- vi) The residents are advised to keep their valuable articles under lock and keys at all times. They may not, in their own interest, keep in their rooms heavy cash, valuable articles. Administrative staff will not be responsible for any theft/loss/damage.
- vii) Student concerned will be held responsible for any loss/damage caused by the negligence/careless of the student (e.g. leaving his/her room unlocked, keeping iron on or tape of bath rooms on).
- viii) The residents shall not use any electrical appliance such as heater, refrigerator, air conditioner, microwave ovens, washing machine and cooking/heating appliances or chemicals likely to cause hazard in their rooms.
- ix) The residents shall be responsible for keeping their rooms tidy and clean. They shall not dispose of litter in the corridors or other parts of the hostel. Waste basket provided in the hostel should be used.
- x) The Institute authorities can visit the student's rooms at any time if they so desired for inspection purposes and implementing Institute/Hostel policies.
- xi) There is no special dress code however; students are expected to wear modest dress in the common areas in the hostel (Dining Hall or TV Lounge)
- xii) Institute hostel premises shall not be used as an office, reading room, library or for any other purpose by a political, religious or sectarian body/organization of the students.
- xiii) Students shall not keep any fire–arm or other weapons, even if licensed. Violation of this rule shall render a resident liable to expulsion from the Institute.
Students must deposit the keys of their living rooms with the hostels authorities/wardens when proceeding for semester breaks. They are not allowed to handover their room key to any other student.
- xiv) A resident shall not indulge in any amusement, which is likely to cause nuisance to others. Residents must not make any kind of noise during the silence time zone (11.00 p.m. to 6.00 a.m.).

- xv) Religious ceremonies are not permitted in the hostels. No political or religious gathering is allowed in the Hostel premises.
- xvi) The residents are not allowed to gamble or to use any intoxicant and narcotic. Violation of this rule shall render a resident liable to expulsion from the Institute in addition to any criminal proceeding that may be instituted against him under the Penal Laws of Pakistan.
- xvii) The residents shall not tamper with the room fittings, nor shall they get the doors fitted with internal locks/hatches.
- xviii) The residents shall not leave lights/fans or TVs in common rooms "ON" when the rooms are not in use or vacant.
- xix) The female residents shall not meet their male guests within the premises of their hostel except parents. Female students are not permitted to entertain guests in their hostels other than those authorized by their parents in writing. Female students can entertain their parents at Parents Room.
- xx) Students shall not entertain guests in their rooms.
- xxi) Guests are not allowed to stay overnight unless permitted by the hostel authorities and accommodation is available in the guest room.
- xxii) The gates of the female hostel shall remain closed during the following hours:
Summer: 11:00 pm to 5:00 am (April - October)
Winter: 10:00 pm to 7:00 am (November - March)
- xxiii) A female student shall not leave the campus without the written permission of the Hostel Warden (Girls). Male student shall not leave the campus without informing Warden and making entry in the register (book out/in) kept at the main gate. For going out and coming in, only main gate shall be used. They must not hesitate to disclose their identity and show their ID cards on demand to the security staff on duty.
- xxiv) Male hostel residents are not allowed entry/exit after 10:30 p.m except in case of any emergency. For going out and coming in, only main gate shall be used. They must not hesitate to disclose their identity and show their ID cards on demand to the security staff on duty.
- xxv) Smoking inside Hostel building and common areas of the campus is strictly prohibited.
- xxvii) The hostel premises must be kept clean. Littering and spitting is very much disliked. Spoiling lawns and writing on the walls or furniture is not allowed.
- xxviii) Displaying notice on the glasses of the doors or walls is not permitted.

- xxix) Students will be responsible for the sports equipment issued to them. They will be responsible for the loss or damage to the issued equipment and will have to pay the actual cost.
- xxx) Students shall not keep any vehicle like car and motorcycle on the premises without written permission/approval of Registrar office. Students shall not take their cycles, if any, inside the hostels. No student is allowed to ply/drive the car on campus during the week except proceeding/returning on/from weekends/holidays. Parking permits/stickers of vehicles can be obtained from Transport In-charge.

Premises Shared

(TV Lounge, Corridor, Dining Hall and Parents Room):

- i) Smoking is strictly prohibited in these areas.
- ii) Taking meals/edibles in the shared premises, other than the dining room is not permitted.
- iii) The common room will be closed and locked at 11.00 p.m. by the hostel staff on duty.
- iv) The parking areas are for the general use of all the residents. No specific area shall be allotted to any individual.
- v) All students can avail the common facility of washing and ironing clothes provided on at designated floor of each hostel or from laundry shop.
- vi) Common rooms have been provided with TV connected with cable TV. TV must be switched OFF when not being watched. Student shall not fiddle with it unnecessarily.
- vii) Students shall co-operate with hostel staff to keep the common room clean and tidy. Shifting of sofa sets and removing of newspapers etc. are not permitted.
- viii) Indoor games such as table tennis, carom board etc .have been provided in the hostel. Students can draw these from storekeeper and must return when no longer required. No student is allowed to play table tennis after 11:00 p.m.

MESS RULES

- 1) Each semester a students' committee will be constituted by the students themselves. The committee will chalk out meals menu, fix meal timings and suggest any improvement required in preparation/service of food. The committee can also inspect mess accounts under intimation to Officer In charge Hostel Messes who has been authorized to

operate and maintain catering accounts jointly with a nominated student on behalf of students.

Every Mess manger is supposed to leave the charge by the end of semester by clearing all dues. No mess in-charge is allowed to leave the mess committee in between semester without the clearance and consent of hostel administration

- 2) No student, except member of mess committee, is permitted to go inside the kitchen.
- 3) Students will not be served meals in living rooms. Mess staff will not be compelled or asked to serve in rooms unless advised by doctor. Meals and other edibles, tea etc. will be served in dining hall only. Male guests can also be entertained in dining hall only.
- 4) All students residing in a hostel can become member of mess of that hostel.
- 5) Students are expected to be properly dressed while having food or sitting in common room.
- 6) It is student's own responsibility to record check out and check in while proceeding on leave/weekend etc. failing which he/she will be charged for the meals cooked for him/her. Students must not make false entry in the record book.
- 7) A student shall not indulge in discussion with mess staff. It is expected that the students behave in a dignified manner and be courteous to mess staff. Complaints if any may be referred to Mess Supervisor or Officer In charge Mess.
- 8) There is no provision of partial dining system or preparation of food other than that being served according to menu except on doctor's advice.
- 9) For non-Muslim students during the month of Ramdan meals or edibles will be served at the timing prescribed. All students are expected to observe the sanctity of Ramadan.
- 11) Students are not permitted to take to their rooms or to common rooms any crockery or cutlery from the mess. Breakage/loss will be recovered from students through monthly catering/mess bill.
- 12) Mess bills for the preceding months are issued by 5th of each month. Students are required to pay the mess bill to designated person.
- 13) Students are not allowed, in any circumstances, to change mess from resident hostel to any other neighboring hostel.
- 14) Defaulters of any Mess Bills are not issued No Dues until they get their dues cleared.

Student Services

Computer Laboratories

Sukkur IBA University has a total of 8 computer laboratories: 2 in the Academic Block-I , 3 in VU Academic Block and three in Academic Block-II. The purpose of these labs is to facilitate the students **in** their studies and provide help to them for their research work. Two Video Conferencing rooms are available at academic block-I and Academic Block-II. Mesh topology wi-fi access inside the campus premises. For 24 hour high speed Internet facility is available in these labs. A student also has access to digital Library and e-barry books.

Telecommunication Laboratories:

- 1. Information and Communication Technology (ICT) Lab**
- 2. Microsoft Lab**
- 3. DSP Lab**
- 4. Antenna and Microwave Eng Lab**
- 5. Telecom Eng-I Lab**
- 6. Telecom Eng-II Lab**
- 7. Electronics Eng Lab**
- 8. Electrical Eng Lab**
- 9. Control & Embedded Systems Lab**
- 10. Physics Lab**
- 11. Work Shop**

Auditorium

A magnificent centrally air- conditioned auditorium seats more than 550 participants. It is equipped with modern facilities such as multimedia projector and sound system.

Health Club

Health club facility provided at VU Academic Block building. The facility is open for students from 4:00 p.m to 11:00 p.m.

Transport Facility

Transport & Bus Routes

Sukkur IBA University provides transport facilities for its students wishing to avail this facility should

contact the Transport Incharge @ 071-5630272 Ext: 181

For your convenience, the bus routes have been appended below:

BUS ROUTES

S. No	Bus Name	Routes
1	Point-A	Physical Hostel, Sukkur IBA University, Military Road, By-Pass, Hamdard Society, Sukkur
2	Point-B	Civil Hospital, Reginet, DPO office, Qasim Park, Bandar Road, Lab-e-Mehran, By-Pass, Sukkur IBA University
3	Point-C	Physical Hostel, Sukkur IBA University, Military Road, By-Pass, Hamdard Society, Sukkur
4	Point-D	Old Sukkur, Dolphin Bakery Chowk, Gurdwara Chowk, Dadu Chowk, Waritar, High Court, By-Pass, Sukkur IBA University
5	Point-E	Old, Sukkur, Local Board, Dolphin Bakery Chowk, Ayoub Gate, Gurdwara Chowk, Police Line, High Court, By Pass, Sukkur IBA University
6	Point-F	Qasim Park, Bunder Road, Teer Chowk, Hira Hospital, Railway Ground, High Court, By-Pass, Military Road, Hamdad Society Sukkur IBA University
7	Point-G	Rohri, Karbala Chowk, Barri Chowk, Sukkur Barrage, Military Road, Airport Road, Sukkur IBA University

Cafeteria and Tuck Shop

Sukkur IBA University cafeterias at offer you a wide variety of snacks to choose from and that,

too, at affordable rates. Sukkur IBA University cafeteria is open on all workdays, from 8.30 a.m. to 8.00 p.m. (Sunday 9:30 a.m to 6:00 p.m). The rate list is displayed by the administration of Sukkur IBA University at counter of cafeteria.

Tuck shop provides all the necessary items required by the resident community of Sukkur IBA University. The Sukkur IBA University Tuck shop is open on all working days from 9:00 AM to 9:00 PM.

Emergency Medical Services

Arrangements are being made for emergency medical treatment for Sukkur IBA University students . 24 hours designated vehicle with driver is available for any medical treatment.

Photostats & Stationery

Sukkur IBA University IBA provides its students with Photostat facilities at economical prices inside campuses. Stationery items (e.g. pens, notebooks) are available at tuck shop.

Career Development Centre (CDC)

Career development centre at Sukkur IBA University is established to minimize the gap between industry and Academia by providing services to students, Teachers, Research associates, parents and organizations. Selecting a career path and choosing career option is a challenge to students, specially the fresh graduates who want to start their career with reputable organizations. At the same time choosing right person for the right job is one of the foremost concerns for Companies and organizations. In today's competitive Jobs Market, Students with right skills and abilities have better opportunities as compare to others. Career Development Centre (CDC) is common plate form and liaison office for all partners and stockholders. There are three key components of CDC at Sukkur IBA University, which makes it unique and first in any Public university in Pakistan.

- Students Services

Jobs / Placement Services

- Assisting in Jobs Applications
- Jobs Postings and Announcements
- Resume Collection and Distribution
- Access to Employers List and Key contacts
- Applications for Internships/ Work-study/ Projects
- Recommendation letters
- Job Fairs
- On Campus Interviews
- Walk-in-Hours; Placement Counseling
- On line Forms, Resources and Participation

Career Development Courses

Learning about Careers / Career Planning
Self Assessment Tests / Career Options
Resume / Cover letter Writing Skills
Job Search Techniques and Strategies
Preparing for Job Tests
Interview Techniques and FAQ's
Filling up Job applications and Follow-ups
Career Counseling Sessions

Workshops and Seminars

Guest speakers from Industry

Financial Aid Services

Scholarships
Work-study Programs
Internships
Students Loans

Collection and Assistance of Financial Aid Applications

Counseling Hours

- Corporate Services & University Advancement
 - Employment Services
 - Access to Resume Data Bank
 - On campus Interviews
 - Participate in Job Fairs
 - Post your Jobs
 - Internships/ Summer Jobs / Management Trainees
 - Training And Development Services
 - Need Assessments
 - Special Courses and Workshops
 - Onsite Training Facilities
 - Distance Learning Through LMS

- Alumni Services
 - Career Development Courses
 - Training And Development
 - Jobs Upgrading and Placements
 - Career Counseling Sessions
 - Alumni Social Network and Societies
 - Alumni Dinner /Mentor Session with Students
 - Scholarships for Higher Education
 - Financial Assistance

Newsletters /online Blogs and Journals
Access to Alumni Directory
Access to LMS, Digital Library, Central Library etc

Code of Conduct

Dress Code:

Female students

- Girls should wear a minimum of short sleeves, no sleeveless dresses /T-shirts are allowed.
- Short tops, fitted T-shirts or clothing which are revealing are not allowed.
- Ankle (full) length jeans/trousers are permissible with long, hip-length kurtis.
- No short length trousers or capris are allowed.
- Dupattas are desirable and encouraged.

Male Students

- Shirts/t-shirts with any inscription, graphics or lettering is strictly prohibited.
- Brand logos, names, symbols are allowed.
- Short trousers and open slippers are not allowed.
- Appearance should be neat and not unkempt e.g. shaven faces, **neatly** cut and combed hair, properly maintained beards.

All the students during class hours must be in formal dress.

Academic Conduct:

- Plagiarism/ cheating is prohibited at the Institute. Academic honesty is mandatory. There should be absolutely no plagiarism/ cheating in any examination, quiz, assignment, report, and/or presentation by any student. Each case will be decided on its own merit in accordance with notified policies.
- Ideally, cell phones should be switched off during class. Permission to attend to emergencies is to be obtained from the respective faculty.
- No use of cell phones for any purpose e.g. playing games and/ or exchanging messages is allowed during classes.
- Cleanliness of the classes and the IBA premises are the responsibility of those who use them. Litter should not be spread around the premises. Please use the dustbins generously.

Smoking

SMOKING IS STRICTLY PROHIBITED AT CAMPUS.

Food and Beverages

Students are not allowed to carry cold drinks/tea and edibles in the classrooms, library and computer labs. Litter should be disposed in to the dustbins and plates, glasses, bottles and /or cups must be returned back to the cafeteria.

Ragging

Ragging is absolutely prohibited at Institute. Any student subjected to such behavior should report to the administrator immediately.

Extra-curricular activities

Sports / music playing and /or other activities on campus during class timings, especially near classrooms are not allowed. Designated areas will be demarcated.

Behavior around colleagues

There should be self-censorship. Both girls and boys should behave in a propriety manner, within the bounds of Islamic and Pakistani society and culture. Use of appropriate language is desirable.

Language

Cursing or uses of slang titles and foul language is not acceptable.

Attendance in each class is taken daily by the teacher as soon as the class starts.

All students must note the following information on Attendance & Disciplinary Rules for strict compliance

Late comers are promptly marked "Absent" even if they are late by one minute. No excuse is accepted for any reason.

A maximum of 4 absences are allowed in 32-sessions course and 6 absences are allowed in 64-sessions course in a semester.

Anyone who accumulates more than the allowed number of absences in a course in a semester is not allowed to appear in the semester final examinations and is awarded an "F" in that particular course. More than the allowed numbers of absences are NOT CONDONED for any reason.

Students are, however, not allowed to remain absent on the first and last day of semester.

Attendance Policy

Life at Sukkur IBA University is not an easy drive. Hectic, Speedy, Tough, Enthusiastic and pressure these words explain the students' life at Sukkur IBA University.

Sukkur IBA University demands high caliber students with sound education background who can bear the study pressure at Sukkur IBA University and can compete the students of world class Universities. Students at Sukkur IBA University are passed through tough curriculum, time bound assignments, hi tech presentations and quizzes during their study period. Discipline and time limits are strictly followed and no one is allowed to break the policies made by management.

With this hectic life Students at Sukkur IBA University are strongly encouraged to make their lives colorful by engaging in extra-curricular activities. Students' enthusiastically participate in extra-curricular activities to keep themselves fresh and energetic. The focus of these activities is not only enjoyment but to give a practical exposure of leadership and group participation. Involvement of everybody is emphasized as to get relaxed from packed study schedules.

Students at Sukkur IBA University are transformed from pebbles to pearls and this is the reason why we claim that we transform generations through education.

Students Clubs

The Business Administration Student Club (BASC) is student body with office - bearers elected by students.

Elections to these posts are usually preceded by highly charged pre - election campaigns. The members of these clubs elect a vice - president, general secretary and treasurer for each calendar

year. The Director Sukkur IBA University is the president of the club and is assisted by the students' counselor for managing student affairs.

These student clubs are responsible for conducting various educational and recreational activities for students such as seminars, debates, movie shows, picnics, and other such events. There are number of other societies/clubs working in Sukkur IBA University to facilitate the different needs of students and arrange the events of their interest. These societies/clubs are highly encouraged and appreciated by the management and faculty for their events and activities as they provide a healthy platform to students to explore their hidden skills.

Marketing department at Sukkur IBA University works very closely with these societies in arrangement of their events and designing their yearly plans.

Other Students Clubs

Public Speaking and Literary society

Public Speaking and Literary society is working since 2008 and now it is at its par and benefiting the students of Sukkur IBA University in various shape like Debates, Speech competitions, Poetry contests, Art and Calligraphy competitions, and celebrates Islamic And cultural days as well. It has its annual magazine and fan page on Facebook where our well wishers do interact and suggest us about different activities and healthy discussions are being held between these fans.

Public Speaking and Literary society has expanded its membership to all batches of Sukkur IBA University.

Information Technology Students Club - ITSC

A Center of Excellence in the field of Information Technology and Business Administration. ITSC (Information Technology Students Club) always stand second to none in arranging youth talent shows, Seminars, Competitions and study trips. The Mission of iTSC (Information Technology Students Club) is to provide a platform and opportunity to the students of Sukkur IBA University to excel their skills.

Dudes & Divas Club

Dudes and Divas Club is all about self development and grooming. This club is formed to provide platform to the students of Sukkur-IBA to strengthen their interpersonal skills, Appearance, communication skills, etc via arranging different seminars, workshops, Students' meetings and students' circles. We are providing an environment to the students where they can not only groom their personality but also their surroundings.

Marketing Society

The need of marketing society aroused from the fact that students of marketing really need to have practical exposure, and since international universities have different societies, so to compete at such level marketing students need some platform where they can show up their potential and have some experiences which may prove to be helpful in their professional careers. And the important thing is that, this platform is also open for the other students apart from students having their majors in marketing, but focus is still on marketing students.

Office of Research Innovation and Commercialization (ORIC) Overview:

Recognized as one of the best performing ORICs throughout country and highest score in the province in “X” category, ORIC was initially established, realizing the importance of research in academic excellence, and providing solutions to social problems, Office of Research, Innovation, and Commercialization (ORIC) was established in September 2011. ORIC's mission is very much aligned with the university's mission. Its mission is:

“To develop, expand, enhance, and manage the university's research programs and to link research activities directly to the educational, social, and economic priorities of the university and its broader community”.

ORIC has the mandate to promote research culture in the university. It provides support to research activities across all disciplines. It specifically helps researchers at Sukkur IBA University in identifying grant opportunities, writing grant-winning proposals, maintaining a record of research activities, patent filing, linking academia with industry for commercialization and funding, assisting faculty in negotiating the grant projects with funding agencies and industry, and helping faculty and students in starting new businesses based on their innovations.

Sukkur IBA University, through ORIC, is pursuing its faculty members and research students to engage in the applied research to provide the patentable solution to common social problems including education, health, energy, and agriculture.

In the energy sector, the researchers at Sukkur IBA University are engaged in providing solutions of energy problems by working on the projects of enhancing the efficiency of alternate energy sources such as solar energy, using wireless energy, and managing the efficient use of available energy sources. Recently the scientist at Sukkur IBA University has provided the fuel management system involving mobile applications and sensors. The patent of this solution has been filed with IPO Pakistan.

Similarly, the scientists at Sukkur IBA University are working on the water management system in agriculture fields. They have provided the solution of assessing exact water needs of the land using sensors and controlling the supply of water through a mobile application that can work on GSM technology. The patent for this solution has also been filed.

Besides the contribution in technology, the social scientists at Sukkur IBA University are also engaged in conducting the applied research studies that aim at helping policymakers to introduce the interventions to overcome the social problems. Likewise, Standardized Achievement Test (SAT) project helps in informing the policymakers in education to understand the achievement level of students in primary and secondary education. SAT identifies the content strands in every subject where the students are weak. This helps policymakers to design the training programs for head teachers and teachers, improve curriculum, and change recruitment policies. Researchers in the education department have helped the government of Sindh in assessing the efficiency of government examination boards of secondary and higher secondary education with the objective of helping policymakers in education to re-think and re-engineer the existing examination system.

Moreover, scientists in social sciences discovering the socio-economic indicators of country's economy an ongoing study on Assessing the Environmental Awareness in Tharparkar Sindh: a survey study on Thar Coal Power Project has provided the economic policymakers with a view of people's perception and acceptance to projects that can shape the country's economy. Our social scientists are also working on various other research projects in the field of microfinance and health sector with the support of Higher Education Commission. The findings of these studies are also expected to provide better inputs to policymakers.

ORIC Initiatives to Promote Research Culture

With the support of management of Sukkur IBA University, several interventions have been introduced to achieve the objectives. Following are some of the important initiatives.

a. Sukkur IBA University Research Policy

Sukkur IBA University has developed a comprehensive research policy, and it is being implemented. Consequent upon the implementation of research policy, the number of research publications and grants has increased. This research policy clearly articulates:

- Reduction in teaching load of faculty members engaged in research.
- Reward policy for publications in Journal of good repute (ISI impact factor, ISI indexed and HEC recognized)
- Conference, Workshops, Symposiums, and Seminars Travel grants policy for researchers to present their research work at national and international conferences, workshops, symposiums, and seminars.

- Profit sharing policy for the commercial projects/research activities

b. Sukkur IBA University Intellectual Property Policy

Considering the importance of innovation in this era of technology Sukkur IBA University has formulated Intellectual Property Rights Policy (IPR Policy) for faculty and students to encourage them in designing and building new and innovative ideas, prototypes, and products. IPR Policy is designed to provide guidelines for ownership, distribution of revenues or royalties, and commercial development of technical innovations, inventions, teaching material and the computer software developed by faculty, staff, students, and others who use Sukkur IBA University as their platform. Policy articulates that ORIC will support and will take the charge of product patenting and commercialization process after the disclosure of the innovation/invention is made. With the introduction of IPR Policy, Sukkur IBA University has recently signed an MoU with an IP association to facilitate our researchers in the filing of the patent. This MoU is expected to encourage and bring out the Innovator within our faculty members and come up with ideas that are patentable globally.

c. Sukkur IBA University Internal Research Grant Program

Sukkur IBA University firmly believes that research has significance in developing economies like Pakistan. For the enhancement of research culture at the institute, ORIC has developed a Research Grant Program for faculty to initiate the research projects. Approved proposals are rewarded with monetary support to execute the project. The purpose of Sukkur IBA University Research Grant Program is to promote innovation by motivation and encouragement of our natural and social scientists to provide solutions to the problems faced by industry, community, and country at large. A seed grant of 0.5 to 1 million rupees is provided to a researcher(s) from Sukkur IBA University to carry out the research project. Some research projects have been awarded this seed grant after the acceptance of their submitted research proposals.

d. Research Capacity Building Workshops Series

After assessing the research strength of our faculty, staff, and students engaged in research, Sukkur IBA University ORIC initiated Research Capacity Building Workshops Series to build the strong research capacity of our researchers. Since 2015, several workshops have been organized from the platform of ORIC on different topics of research.

e. Think-Tank Meeting

ORIC provides a platform to faculty and researchers of Sukkur IBA University in form of Think Tank Meeting to discuss new research ideas and innovations. This platform provides an opportunity to deliberate upon and initiate interdisciplinary research within the institute. The faculty members are gathered to discuss innovative teaching pedagogies to make the learning process more effective. In these meetings, faculty members and researchers are rewarded with cash prizes and certificates for their outstanding achievements in teaching and research. Faculty members candidly provide suggestions for improvements in policies and processes of Sukkur IBA University.

f. Sukkur IBA University Research School

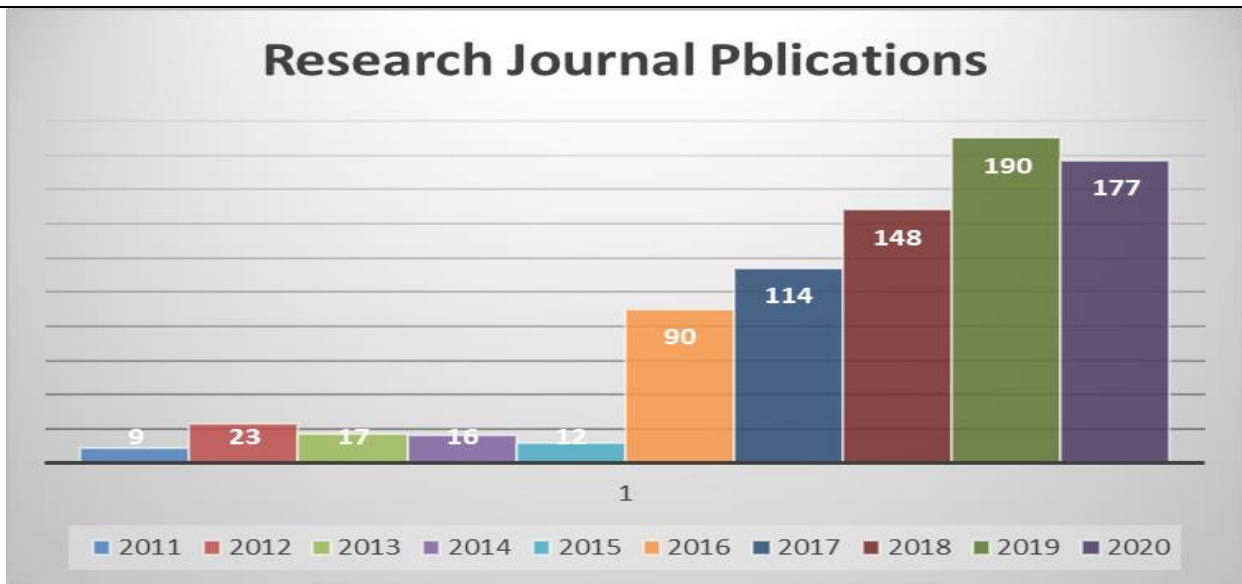
Office of Research, Innovation and Commercialization– ORIC is continuously striving to promote research culture at Sukkur IBA University and has introduced several initiatives to achieve this objective. To further strengthen the research culture, ORIC has introduced new initiative named “Sukkur IBA University Research School”. The objectives of this initiative are:

- To provide a platform to researchers/scientists of Sukkur IBA University to share their research work with peers and get the critical review of their work.
- To help and guide young faculty members to initiate the research in collaboration with senior researchers.
- To provide new research avenues/future research directions to young faculty members of Sukkur IBA University
- To facilitate research students and non-PhD faculty members in choosing their research topics and supervisors

Sukkur IBA University Research School opens fortnightly on Thursday from 3:30 PM to 5:30 PM for faculty and research students to present their research ideas and work.

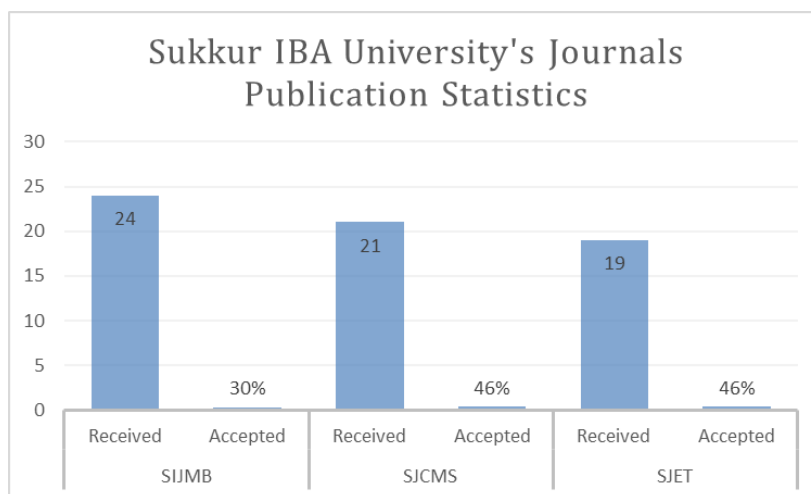
g. Research Progress at Sukkur IBA University

As academic research plays a very important role in the economic and social development of society in terms of a new product, technology or service, knowledge creation for policymakers, and increased understanding of social values or cultures, etc., Sukkur IBA University always encourages and promotes the research culture among the faculty, professional staff, and students. Below graph shows the progress in terms of number of research papers published. As can be seen evidently that because of the policies and its strategic role, number of Research Publications has increased many folds over the time. From just 09 in 2011 to a 177+ in 2020.



h. Establishment of Research Journals Publication and Conferences Cell

Research journals publication and conferences cell is responsible for all the operational procedures for the organization of conferences and management of research journals. Since its establishment, Six research conferences have been organized in last four years Moreover, under this cell, three research journals have been launched i.e. Sukkur IBA University Journal of Management and Business (SIJMB), Sukkur IBA University Journal of Computing and Mathematical Sciences (SJCMS), and Sukkur IBA University University Journal of Emerging Technologies (SJET). Each journal has separately a Chief Editor and Editorial team comprised of Advisory and Review Board for technical input on publications whereas, the cell is responsible for operational procedures such as printing, publication, distribution, editing, formatting, maintaining the journals’ websites and coordination with chief editors and reviewers. All three research journals are recognized by HEC in “Y” category. Following graph shows the acceptance rate over the time.



i. ORIC Steering Committee

As per the recent policy shifts in HECs policy for ORIC, all ORICs throughout the country were directed to form a Steering Committee which will guide ORIC to devise a strategic plan for the next 5 years. Keeping in line the directives of HEC, ORIC, Sukkur IBA University University approached some of the most renowned names of the industry and had them agreed to be the part of ORIC Steering Committee. Following are the major tasks to be performed by ORIC-SC:

- ORIC-SC is the governing body for the ORIC and shall provide strategic leadership and governance oversight. ORIC-SC will provide dedicated advice to the VC for decisions and actions to be taken in accordance with the objectives, approach, and scope of the ORIC.
- ORIC-SC shall continuously review the performance of ORIC in line with the devised KPIs and strategic plan and guide the ORIC leadership by providing effective oversight and evaluations.
- Devise and approve the 5-year strategic plan for the ORIC and ensure its proper compliance.

Led by the Vice Chancellor and top industrialists, Steering Committee of ORIC will prove to be beneficial in the process of Innovation and commercialization.

j. Corporate Advisory Board

Since its conception ORIC Sukkur IBA University has always focused on building the bridge between Industry and academia. In this regard, a corporate advisory board was set-up under the leadership and guidance of Vice Chancellor to guide ORIC is developing course schemas and pedagogies that are most required by the industry. The CAB of ORIC Sukkur IBA University comprises from the experts of Local chamber of Commerce, Experts from Industry and academia who meet quarterly to ponder upon the latest developments and shortcoming to best bridge the gap between industry and academia.

k. Linkages: Industry and other Higher Education Institutions

Sukkur IBA University staunchly believes in creating synergy by working together with National and International Higher Educational Institutes and Industries to create a long-lasting impact for the local community and globally as well. These linkages not just help our scholars and students to undertake joint research projects and have global exposure but also create an impact and mark the presence of community resources, skills and talent in global workspace. Sukkur IBA University, under these MoUs, insights and learnings from real life projects not only improve its curriculum but also adopts International teaching pedagogies which enable better and improved learning.

Under these MoUs with other International and National Higher Education Institutes, Sukkur IBA University benefits in terms of (not limited to):

- Exchange of Faculty members and/or researchers with the objective of offering courses and realizing research projects in areas mutually agreed upon by both universities through prior invitation and in accordance with the procedures and expectations established by each university and specific department.
- Exchange of undergraduate and graduate students with the objective of enrolling students in courses appropriate to their year and area of study.
- Support reciprocity in university extension activities of common interest.
- Exchange of books, scientific publications, study programs, academic projects, course information, seminars, conferences and any other data and information of common interest.
- Develop joint research projects and joint publications.

Apart from other Higher Educational Institutes, Linkages are established with Angel Investor/ Venture capitalists to boost and create an entrepreneurial eco-system to produce entrepreneurs that will not only create employment but will also help curb with the socio-economic challenges faced by the local community. Under following terms MoUs tend to help our young aspiring entrepreneurs:

- To provide solutions for the development of a business/entrepreneurial acumen among the university students
- To create strategies and frameworks for catering to the entrepreneurial development needs of the students
- To provide Incubation & Co-Working space for potential Start-Ups
- To aid in setting up incubators or sustaining existing ones within university vicinity
- A non-binding commitment from BOV to provide access to finance/investment and online/offline market linkages to viable business ideas.
- To encourage, retain and develop business ideas with the help of training and mentorship to develop products/services that provide financially empowerment to young individuals.

Industry is a key stakeholder for any university and is the end-user of the university's graduating student. In today's world its most important to take industry on board which creates greater chance of hiring for the graduating student. These Industrial Partners, share real time industry problems and look upon on aspiring graduates to propose a solution. In the meantime, this whole process grooms and develops graduating students for the real time professional setting.

I. Establishment of Technology, Innovation Support Center (TISC) at ORIC, Sukkur IBA University

In collaboration with Intellectual Property Organization (IPO) Pakistan and Ministry of Science & Technology (MoST), the HEC of Pakistan supports the establishment of Technology and Innovation Support Centers under the World Intellectual Property Organization (WIPO) TISC program and ORIC, Sukkur IBA University is one of the initial Universities with approved TISC notified by HEC.

TISC provides the following services:

- Access to online patent database systems and science and technology resources
- Access to intellectual property related publications
- Assistance in searching and retrieving technology information.
- Training on searching databases.
- On-demand searching (novelty, state-of-the-art and infringement)
- Technology and competitor monitoring
- Basic Information on intellectual property laws
- Basic information on intellectual property management and strategy
- Basic information on technology commercialization and marketing Whereas, the contributions of HEC, IPO Pakistan and WIPO include:
 - To support access to patent database systems and science and technology
 - Build technical skills for future TISC staff via training and distance learning courses.
 - Information and training materials
 - Provide platforms and activities to facilitate an exchange of experiences within national networks of TISCs or between different networks.

TISC Resources

1. Publications – WIPO (World Intellectual Property Organization)

<https://www.wipo.int/publications/en>

2. WIPO Academy Programs

<https://www.wipo.int/academy/en>

3. PATENTSCOPE

<https://www.wipo.int/patentscope/en/>

4. Patent Landscape Reports (PLRs)

https://www.wipo.int/patentscope/en/programs/patent_landscapes/

5. Access to Research for Development and Innovation (ARDI)

<http://ardi.wipo.int/content/en/journals.php>

6. Hinari Access to Research for Health program

<https://www.who.int/hinari/en/>

7. Online access to research in the environment (OARE)

www.unep.org/oare/

8. Access to Global Online Research in Agriculture (AGORA)

<http://www.fao.org/agora/en/>

9. Global Online Access to Legal Information

<http://www.ilo.org/goali/lang--en/index.htm>

Sukkur IBA University Executive Development Center (EDC)

To assist business organization through consultancy and executive education, Sukkur IBA University established Executive Development Center (EDC) in 2013, to provide technical and managerial skills development training programmes to corporate as well as public sector employees. In 2016, The Executive Center shifted to newly established building which is solely dedicated to EDC.

Vision

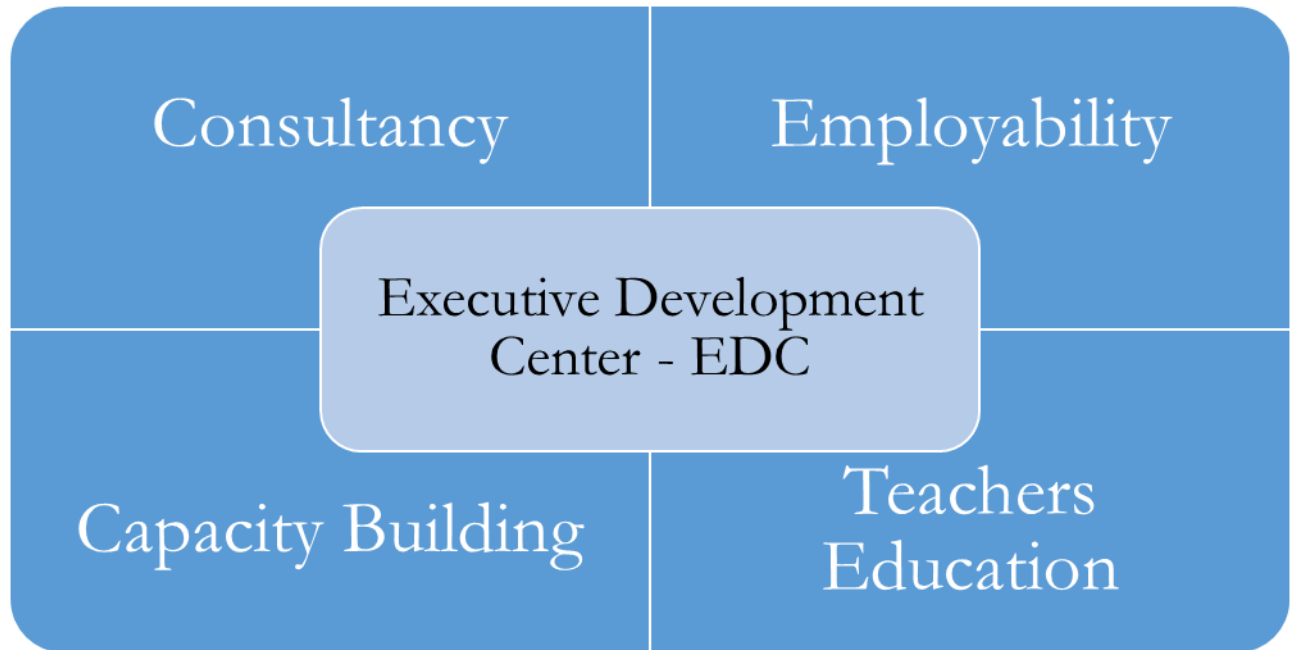
Our vision is to become the leading center of the region for transformational executive education at global level of excellence.

Mission

Following our vision, the mission of Sukkur IBA University EDC is to develop leaders and managers in both public and private sectors by incorporating research and market-oriented knowledge. We strive to enhance individual and organizational competencies through high quality training and consultancy using state of the art technology. Our aim is to equip executives who become ethically and socially responsible at global level.



Our Core Values



Executive Development Center (EDC) holds a comprehensive portfolio of conducting more than 400 trainings which calculates more than 15000 executives. In addition, EDC successfully served 10 extensive training and consultancy projects on its account in a very short span of (7 years) time. In this fast pace and innovation-driven working epoch, it is indispensable for an organization to stay in the loop of transformation and growth and this is where Executive Development Center plays a pivotal role. EDC benefits organizations transform by working on their employees' abilities to further embellish them in order to achieve more on both individual and organizational levels. Our indigenous methodology of assessing organization's critical areas by scrutinizing their workforce & processes and then delivering the best possible solutions in terms of training and consultancy in excellent learning settings. Besides providing comprehensive training and consultancy programs to enhance employees' managerial and technical skills, Sukkur IBA University Executive Development Center also holds 3 Months Short Courses Program for rapid learning in Sales Management, Supply Chain Management, Leadership, CCNA Preparatory Classes, IELTS Preparatory Classes, MS-Office so on and so forth.

Keeping in view the mission and core values of Executive Development Center (EDC), the center has following strategic objectives to be achieve in coming years.

Executive Development Center – Strategic Goals

1	Consultancy	1.1 Strategic Goal: To provide result based, quality and cost effective training consultancy for business organizations
		1.2 Strategic Goal: To provide educational services for quality education in rural areas of the region.
2	Employability	2.1 Strategic Goal: To Produce employable youth through skill development program
		2.2 Strategic: Goal: To provide professional executive education on emerging technologies like 3D printing, Big Data Analytics and Block chain technology.
3	Capacity Building	3.1 Strategic Goal: To provide quality, cost-effective training designed to increase individual and organizational productivity and enrichment.
		3.2 Strategic Goal: To develop advance leadership skills through executive education to effectively navigate challenges related to rapid growth and changes in strategic direction.
4	Teachers Education	4.1 Strategic Goal: Provide early, sequential teaching experiences that incorporate growth and development concepts.
		4.2 Strategic Goal: Develop executives who foster a teaching-learning environment by effectively managing, organizing and monitoring the learning of students.
		4.3 Strategic Goal: To develop the leadership and governance skills in head teachers for providing quality education.

Facilities

Sukkur IBA University Executive Development Center (EDC) is equipped with state-of-the-art learning facilities to facilitate our training clients. Following are the facilities we provide to our clients.

- 02 Executive Training Room with seating capacity of 40-50 participants.
- 01 mini Auditorium with capacity of 80-100 participants
- 30 Single Executive Accommodation Room

- 8 Executive Suites
- In-House Executive Dining Facility for 100 participants
- On Campus Executive Fitness Center
- 04- 06 Discussion Rooms
- In-House Tuck Shop
- State of the art Computer Lab for 30 participants
- Digital Studio for Online Webinars / Sessions

All facilities are equipped with Air-Conditioned and Wi-Fi facilities.

CSS Program at Sukkur IBA University EDC

Sukkur IBA University has started the program of CSS Preparatory Classes in 2013 in coordination with district administration of Sukkur. Program has brought wonderful results by upgrading educational standard. In this short period of 8 Years, Sukkur IBA University has produced more than 10 candidates, who have cleared different competitive exams and appointed as Assistant Commissioners at different district management groups. Other than this lots of students appeared and appointed in other commissioned / competitive exams under federal / provincial government for different posts. Each year two batches are prepared for competitive examination.



Short Courses Program for Professionals

Keeping in view the demand for professional skills development program, Sukkur IBA University Executive Development Center has started Short Courses Skills Development Program from May 2016. We offer different short course keeping in view the market demand. Currently our 12th batch of Skill Development Program is going on. Following short courses, we announce quarterly.

1. English Language Skills
2. IELTS Preparation
3. Sales Management
4. Supply Chain Management
5. Leadership
6. GRE Preparation
7. MS Office
8. CCNA
9. SPSS Qualitative Research Methods
10. Advance Excel
11. Advanced Management
12. Cyber Security
13. Emotional Intelligence
14. Web Development



15. Graphic Designing
16. Chinese Language Skills
- 17. Project Management**

Diploma in Early Childhood Education

Based on the emerging significance of learning during the early years of human life Early Childhood Care and Education ECCE is becoming a priority for many educational institutions around the world. According to the research insights, the quality of children’s learning at the earlier stages of their life has significant implications for their educational success at the latter stages.



In this context, Sukkur IBA University University Executive Development Centre started to offer a diploma course in Early Childhood Education (ECE) for the practicing and perspective teachers to improve their understanding and enhance their career choices. At Initial level, Sukkur IBA University EDC begin to offer it with a short course for 03 months period. In second phase, EDC offered a one year diploma from February 2019.

Diploma in Chinese Language

Chinese language and culture are becoming more popular all over the world. China and Pakistan have more frequent links in history, economy, culture and education. The "One Belt and One Road" Initiative, the CPEC project and the successful opening of the Chinese-funded Gwadar Port have



further increased Pakistan's demand for Chinese Language courses. Sukkur IBA University University is strategically located and has a strong comprehensive strength.

In this connection, Sukkur IBA University EDC has started diploma in Chinese Language ranging from 04-06 months duration.

Training Rental Services

Apart from conducting training for our clients, Sukkur IBA University provide training facilities to its clients which include, executive training rooms and executive dining room facilities. Sukkur IBA University has provided training facilities to its following clients.

1. International Relief Development-IRD
2. Sindh Agriculture Growth Project (SAGP)
3. LU Continental Biscuits
4. Plan Pakistan
5. Unilever
6. Nestle
7. Pepsi (Sukkur Beverages)
8. Coca Cola
9. Bayer Group
10. Agha Khan University
11. Sindh Education Foundation - SEF
12. Sanofi Pakistan
13. Soneri Bank Limited
14. Delloite Yousuf Chartered
15. Engro Foods Ltd
16. Ufone
17. Benazir Income Support Program – BISP
18. NADRA



Sukkur IBA University EDC Experience

Since its inception Sukkur IBA University EDC has organized many national and international training program. Following are the training program / projects carried out by Sukkur IBA University EDC.

1. Signed MoU with Taj Corporation for **Innovative Business Ideas Competition** for seed funding of Rs. 1 million to top business idea that cater the need of local market.
2. 03 Days Training Program on **Enterprise Development for the managers** of Sindh Rural Support Organization on January 14-16, 2021.
3. Organized 01 Day Training on **Digital Marketing for the Artisans** of Khairpur district on October 28, 2020.
4. University of Baluchistan in partnership with Sukkur IBA University University, has been awarded Governance and Policy Project by Government of Baluchistan to **Establish Center of Excellence for Result Based Management at University of Baluchistan.**
5. Organized 05 days training program on **Procurement Management** for Public Sector Officials in collaboration with SPPRA.
6. Intake **Demand Based Training program for SMEs on Brand Management, Sales Force Management and Digital Marketing** through Pakistan under National Business Development Program.

7. Organized 02 series of 06 Days Capacity Building Program on **NPO Management for Civil Society Organizations (CSOs)**.
8. 03 Days Case Study Teaching and Writing Workshop in collaboration with **IVEY Business School Canada** for the faculty of Pakistani Universities.
9. 01 Day Training on **Scaling Up Master Class by Mark Turrel** for Public and Private Sector Faculty Members.
10. 01 Day Training on **Credit Modeling & Risk Analysis by Prof. Edward Bodmer** from Amsterdam Institute of Finance.
11. Organized 06 Days Teachers Training with Sindh Rural Support Organization for **USAID funded EMOs School**.
12. Sukkur IBA University EDC organized training for **4000** Teachers of **Sindh Education Foundation** throughout Sindh Province of Pakistan. Teachers gone through comprehensive 15 days content based training.
13. Sukkur IBA University EDC organized training of **600** teachers under **Adult and Adolescent Learning and Training Project funded by Sindh Education Foundation**.
14. Organized 14 days Training for Newly Recruited Teachers of **Sindh Rural Support Organization** at Sukkur IBA University.
15. Executed a Program titled” **Teach for Khairpur Initiative**” Sponsored by Syed Qaim Ali Shah (PS: 29 Community Development Program). The main objective of this Program is to Improve Learning Outcomes of Students Enrolled in Government High School and Higher Secondary Schools of Khairpur Taluka. Following are the main task of this Program.
 - Supporting Science Laboratories (Five Schools)
 - Services of Mobile Science Laboratory (Where Labs are Not Available)
 - Capacity Building of 107 Teachers (SS/HST)
 - Enhancing Leadership and Management Skills of 36 Principals and Head Teachers.
 - Fundamental ICT Training to Aprox.1,000 Students
16. Organized 05 Days Workshop on **Inquiry Based Science Education** in collaboration with **ECO Science Foundation**.
17. Organized Skill Development Courses for 100 unemployed youth under **HEC Skill Gap Program**.
18. Organized Training for the Executives of **State Bank of Pakistan** on Stress & Time Management, Emotional Intelligence, Team Work, Effective Writing Skills, Leadership, Effective Team Building, Goal Setting and Decision Making.

19. Organized training for **Head Teachers of Sindh Province** School in collaboration with Sindh Education Foundation.
20. Organized 06 Week Training on Supply Chain Management for the Executives of **LU Continental Biscuit**.
21. Sukkur IBA University Organized 12 Day Training Program on **Early Childhood Education** for the teachers of Interior Sindh Province.
22. 07 Series of Assurance of Learning Workshop for 1200 Education Managers of Sindh under **Canadian International Development Agency (CIDA) Project**.
23. Capacity Building of 480 Government Managers under **Canadian International Development Agency (CIDA) Project**. Government Officials' got training for 12 days in Management, HR, Financial Management and Quality Education
24. 03 Days Training on Community Mobilization for Education Managers of Sindh in collaboration with **International Relief Development (IRD)**
25. Sukkur IBA University in-collaboration with the **USAID funded Assessment and Strengthening Program LUMS** conducted different training programs i.e. HR Management, Financial Management, Procurement Management and Monitoring & Evaluation for Operational Executives of Public Sector Organizations at Sukkur IBA University
26. Organized **Preparatory Classes for CSS Competitive Exams** since 2013. So far 11 batches have been prepared for competitive exams.
27. Organized 03 Months Weekend **Professional Skill Development Program** for the Executives of different company since 2015. 10 to 12 professional courses are offered for this weekend program. So far 11 batches have been trained.
28. Started **Diploma in Early Childhood Education – ECE** from 2018. Currently two batches for ECE diploma has been completed.
29. Started **Diploma in Chinese Language** from 2017. So far 04 batches have trained for Chinese language.

Center for Entrepreneurial Leadership and Incubation-CEL&Inc.

Sukkur IBA University (SIBAU) assigns utmost importance to entrepreneurship. Under the patronage of management of the SIBAU, a unique and innovative journey for the establishment of the Center for Entrepreneurial Leadership and Incubation (CEL&Inc.) took place on September 28, 2012. The management aimed to promote the culture of entrepreneurship in the region. Resultantly CEL&Inc. designed programs that aim to contribute to vibrant tech and agro-based economy in the region. The current umbrella of programs provides a conducive environment to nurture new and innovative ideas into economically viable products and services. The stated conducive environment provides the culture of innovation, incubation services, collaboration, entrepreneurship curriculum development, entrepreneurial research, conferences, training and development, community interventions, mentorship, and global outreach programs. The CEL&Inc. provides specific support to young entrepreneurs in the form of training and development and connects them with national and international stakeholders through its existing networking. The management of CEL&Inc. is convinced and determined that entrepreneurship is the solution for youth employment and the country's economic development. Keeping in view the importance of entrepreneurship, CEL&Inc. train students, alumni, aspiring entrepreneurs, SMEs, and members of the local community in materializing their entrepreneurial dreams with a specific focus on women's entrepreneurship development.

Our vision is to develop a robust, vibrant, tech, and agro-based economy in Sukkur and beyond by developing an entrepreneurial ecosystem, culture, and practices that will support entrepreneurs and innovative startup businesses.

Our mission is to offer a University-driven platform and research solutions relevant to regional needs and adjustable to the national context through the collaboration of HEC, university, state, and corporate sectors.

Our Goal:

1. To provide a conducive environment for aspiring entrepreneurs to grow and expand efficiently.
2. To create jobs and entrepreneurial opportunities in the Sukkur region and beyond.
3. To build a portfolio of tech and agro-based companies for focused change in tech and agro-based economy.

Our Services: CEL&Inc. offers the following services:

- (a) Enterprise Development
- (b) Consultancy Network
- (c) Entrepreneurial Synergy

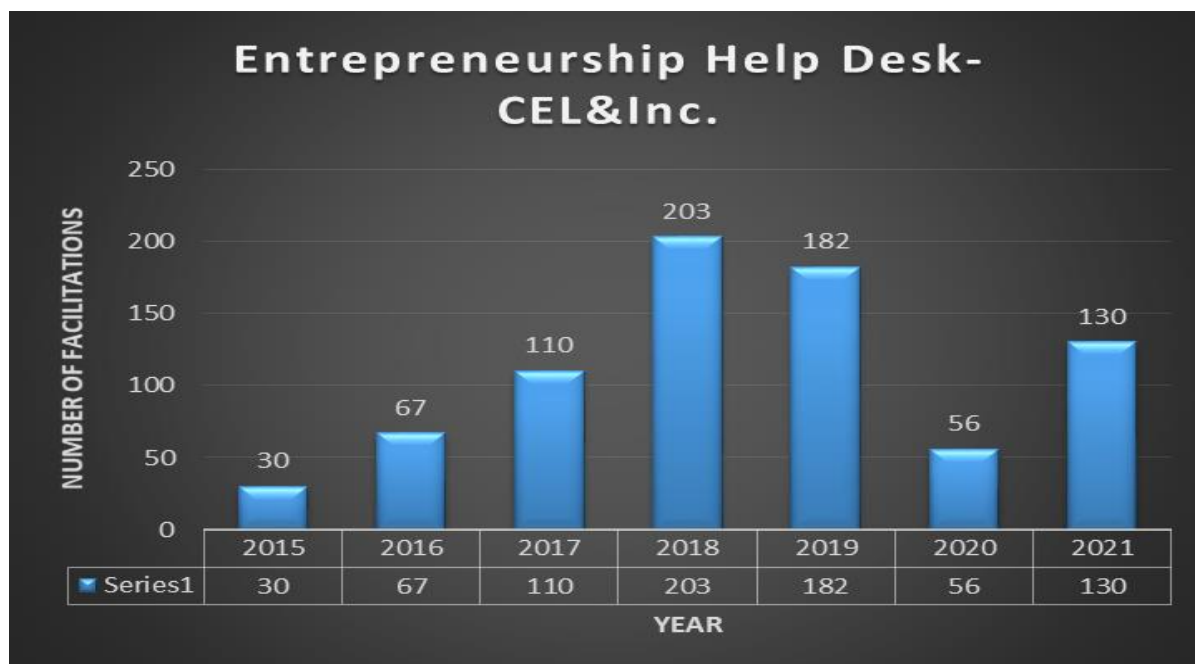
- (d) Flexible Space
- (e) Shared Services
- (f) Entrepreneurship Development Program
- (g) Entrepreneurship Development Projects

CEL&Inc. Programs

The CEL&Inc. entrepreneurship programs are designed for the different sections of society, i.e., students, aspiring entrepreneurs, SMEs, women, and communities, to help them to develop entrepreneurial skills and learn the entrepreneurial process for the launching of innovative and successful startups which benefits society, nation and world at large. The CEL&inc. programs focus on regional problems and entrepreneurial solutions for them. Program participants are encouraged to take advantage of the entrepreneurial ecosystem of CEL&Inc. and broaden their understanding of entrepreneurship and become creative, innovative, and entrepreneurial leaders whose passion for entrepreneurship is lifelong. The key programs of CEL&Inc. includes on Entrepreneurship Help-Desk, Women Entrepreneurship Development Program (WED), Incubation, Seasonal Start-ups, Necessity Entrepreneurship Development Program (NEDP), Incubation, Dice Chapter, SIBAU Entrepreneurship BootCamp, Hult Prize, Ek Din Ka Sale, E'Ship Corner, SIBAU Entrepreneurship Society and Recognition of Prior Learning (RPL).

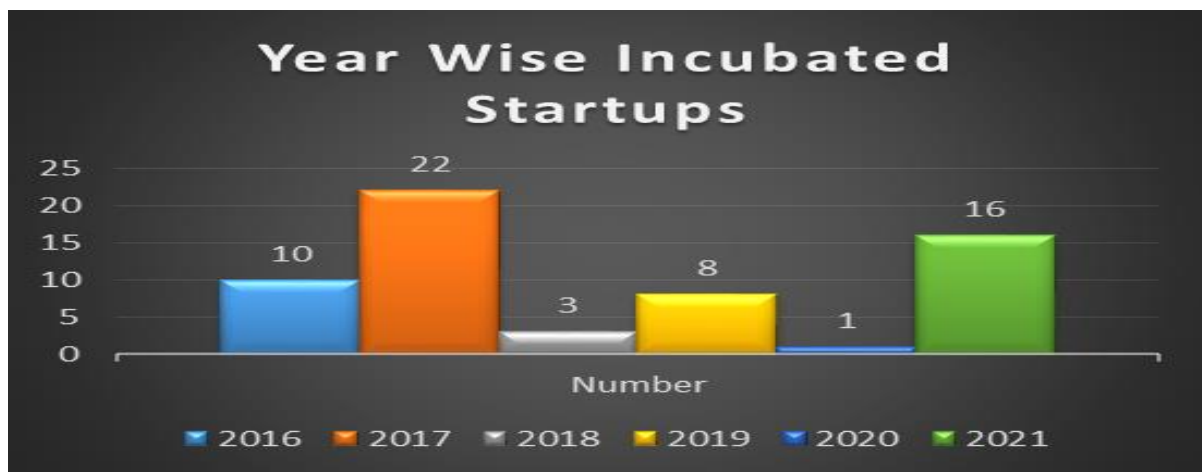
Key Achievements of the CEL&Inc. Programs:

CEL&Inc. Entrepreneurship Help Desk (HD) is a first service point of the service for the visitor of the center where their problems and innovative ideas are discussed and mentored. The visitors later guided accordingly to contact concerned team person for further coaching and networking and if required mentors are assigned. The objective of the helpdesk is to facilitate visitors immediately after their problems appeared. Since 2017 help desk of the center has facilitated 778 visitors.



Women Entrepreneurship Development (WEDP) Program is a unique program specifically designed for the women who are not yet employed. This program aims to build the capacity and mentor women to enter into a start-up club and coach existing businesses to grow innovatively across Pakistan. The program interventions start from capacity building to individual mentoring for the launch of business idea and connecting them with related stakeholders. The WEDP also provides an opportunity to the participants to share, link and grow business with other participants. Since the inception of the program in 2016 so far 300 women are trained under the program.

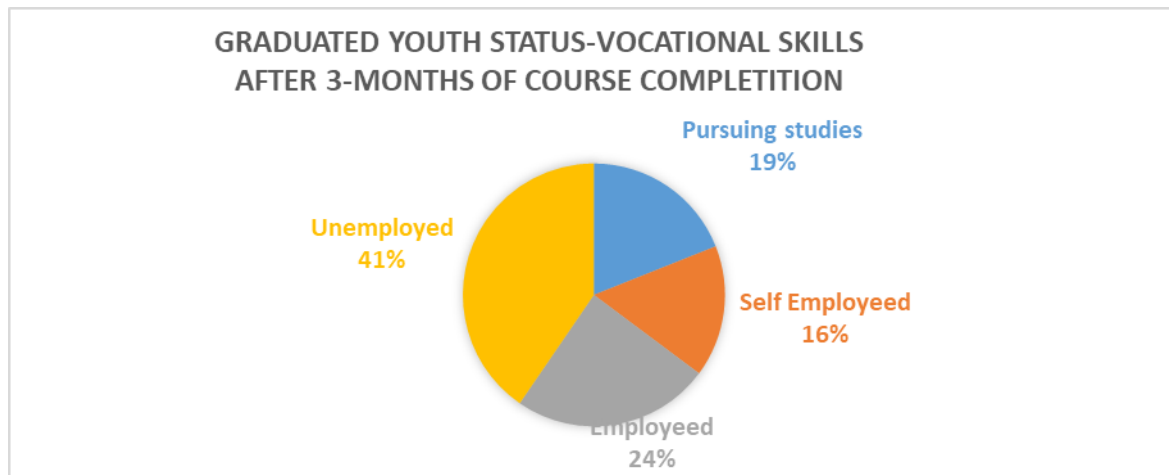
The CEL&Inc. offers an incubation program for the students of Sukkur IBA University University and community after every six months with capacity to incubate twenty start-ups at a single time. The incubation period can vary from six months to twenty fourths months depending on the nature and potentiality of the entrepreneurial idea. The incubation period is divided in three stages 1st to pre-incubation, 2nd is the incubation and 3rd is the post incubation and services vary at different stages of incubation process. Since 2014, CEL&Inc. incubated 60 start-ups in service sector, IT, garments, Designing, Animation, architecture etc. and graduated 46 start-ups.



CEL&Inc. also feels proud to encourage and mentor the seasonal entrepreneurial ideas and facilitate them to launch the ideas and learn the entrepreneurial process. Since 2017, six seasonal start-ups have been started who have created nine employment opportunities and generated Rs. 0.78 million revenues. During the year 2020, one seasonal start-up was launched who generated Rs. 310,000 in revenue from their operations.

The Necessity Entrepreneurship Development Program (NEDP) is a signature program of the CEL&Inc. since the start of the program in 2014. Since 2014, the program received 13286 applications in 26 different short courses having duration of 3 to 12 months. The program encouraged 18 to 32 years of male and female belonging to underprivileged part of the community. This was done through the mass media by giving advertisements in largely circulated print media and promotion on social media. Based on total applications 18% applications were received from female candidates and 82% from male candidates.

Though the demand was high for the quality program but due to the limited seats and funding only 17% were selected from total applications.

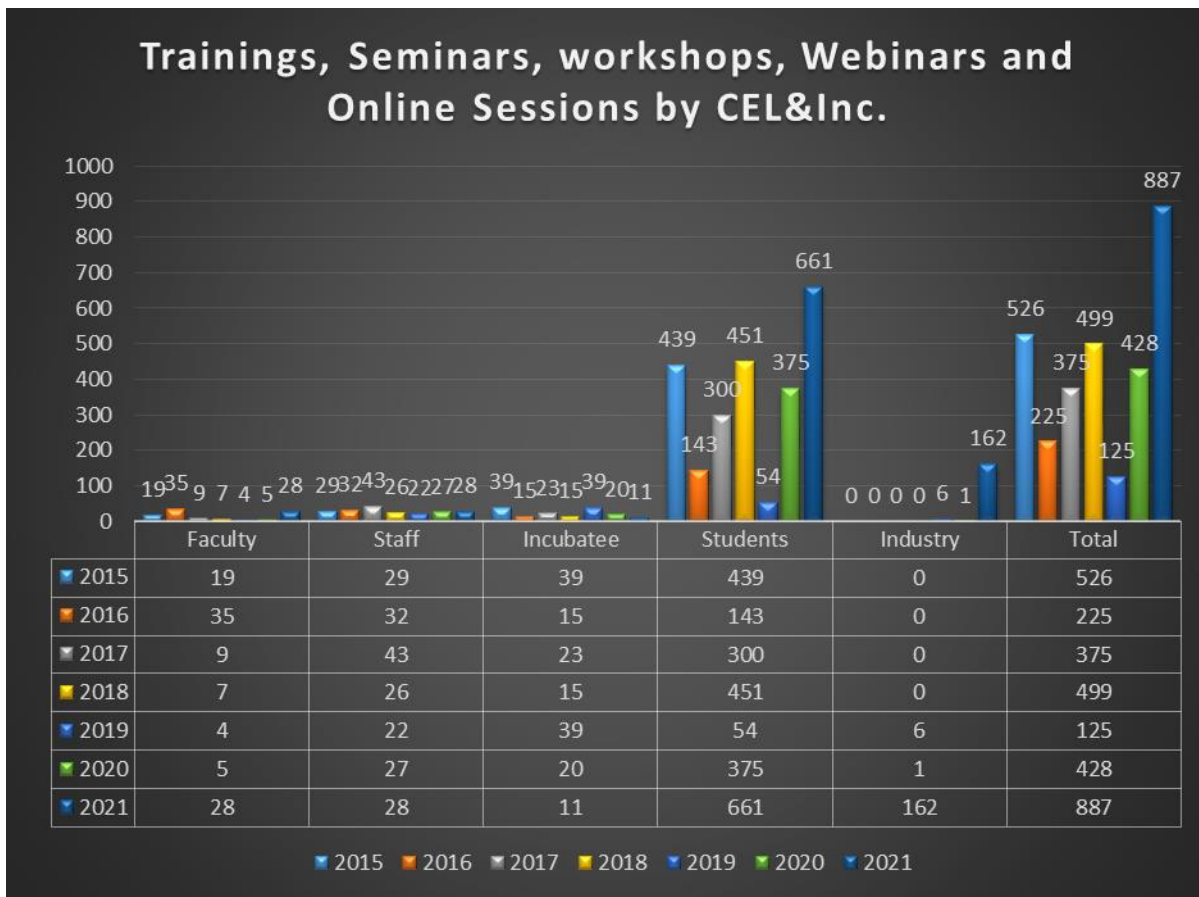


The CEL&Inc. used to measure the data of all passed out candidates after three months of the course completion and the result was amazing. The study shows that (19%) of pass out students started perusing their further studies due to the mentoring and exposure during the course, (16%) were self-employed through different micros start-ups in their respective qualified courses i.e electrician shop, graphic designer, civil architecture designing, selling, retail shops etc., (24%) were employed in different public and private sector organizations, whereas 297 (41%) remained unemployed. The most important to mention that this program generated 46.063 million annual income for the underprivileged youth of the Sindh

Sukkur IBA University University (SIBAU) organized “Ek Din Sale Ka” an entrepreneurial event for the students, faculty and staff of SIBAU family. The objective of the event was to provide a platform and ecosystem to the participants to practice, show case, and experience the entrepreneurial adventure. The said platform attracted 25 entrepreneurial ideas to adventure for one day and get customer feed back on their entrepreneurial initiative and were limited to sale, service, food, games, garments and accessories adventure. The Vice Chancellor SIBAU Prof. Dr. Syed Mir Muhammad Shah inaugurated the event along with Registrar, Engr. Zahid Hussain Khand, the Director CEL&Inc. Ikhtiar Ahmed Khoso along with other senior members of SIBAU family. Later, the team visited each stall, appreciated efforts taken by the students. The day ended with fun, learning and earning which witnessed the total sale of Rs.158,000. The event was concluded with three best stall awards and participation certification to the all one day entrepreneurs by the Vice Chancellor.

CEL&Inc. strongly believes in continuous improvement of staff, faculty, incubate and students through the capacity building programs which include trainings, seminars, workshops, online sessions. CEL&Inc.

made collaboration with national and international partners and organizations to jointly organize the capacity building activities to support the entrepreneurial ecosystem. Since 2015, 59 capacity building activities are organized in which 107 faculty members, 207 staff members, 162 incubates of CEL&Inc., 2423 students and 169 industry persons are trained which raised the total figure to 30625 participants since 2015. In 2020, 13011 participants were trained with aim to further strengthen the already established entrepreneurial ecosystem and to motivate students to launch new startups. We have observed that these trainings also helped the Incubates in networking with other stakeholders for business development.



CEL&Inc. organizes number of entrepreneurial events every year in collaboration with its national and international partners with aim to further strengthen entrepreneurial ecosystem. These events focused to provide a platform for Sukkur IBA University University stakeholders to learn, experience and develop prototypes for exhibitions and events. The prominent yearly events are DICE VIC, HUIt Prize and Sukkur IBA University University National Entrepreneurship Boot Camp along with many other events. Since 2015, CEL&Inc. organizes 31 events in which 9850 participants participated nationally and internationally.

CEL&Inc. has always focused to give priority to the community by uplifting the underdeveloped geographical areas of the country. This has been done through the sector and focused research studies and identified the more vulnerable geographical areas and make intervention with the help of provincial,

federal and other funding agencies. In this regard center developed 44 proposals since 2015 and become successful in hunting of 21 proposals ultimately became successful in the implementation of Rs. 161 million rupees entrepreneurial projects. These projects made incredible impact on the life of selected groups which are already mentioned in employment section.

CEL&Inc. initiated and signed 26 MoUs since 2015, among six were in year 2020 with different national and international partners. Prominent to mention here are Higher Education Commission (HEC), Community Development Program (CDP) Government of Sindh, Idea Gist, Hult Prize, Engro Pakistan, DICE Foundation US etc. Entrepreneurship remained the center of MoUs which impacted the life of the selected groups under these MoUs.

Academic Calendar:

SUKKUR IBA UNIVERSITY

For all Semester except Semester I & Semester II

Tentative Academic Calendar

SPRING SEMESTER 2021

w.e.f: February 15, 2021 to June 30, 2021



Month	Total Days	Sundays	Holidays	Exam Days	Working Days
February 15, 2021	14	02	---	---	12
March, 2021	31	04	01	07	19
April, 2021	30	04	00	01	25
May, 2021	31	05	04	08	13
June, 2021	30	04	0	09	16

Total Working Days: 85

Exam Schedule	
* First Term Exam	March 24 – April 01, 2021
* Second Term Exam	May 03 – May 11, 2021
Preparatory Holiday	June 21, 2021
**Final Exam	June 22 – June 30, 2021

(* First & Second Term Examination will be of 2 hours duration)
(**Final Examinations will be of 3 hours duration.)

List of Tentative Holidays during Spring Semester 2021				
S. No.	Name of the days	No. of Days	Dates	Days
1.	Pakistan Day	01	March 23, 2021	Tuesday
2.	Labor Day	01	May 01, 2021	Saturday
3.	Eid ul Fitar	03	May 13,14 & 15,2021	Thursday, Friday, Saturday

Note: ***Islamic holidays are subject to appearance of the moon.

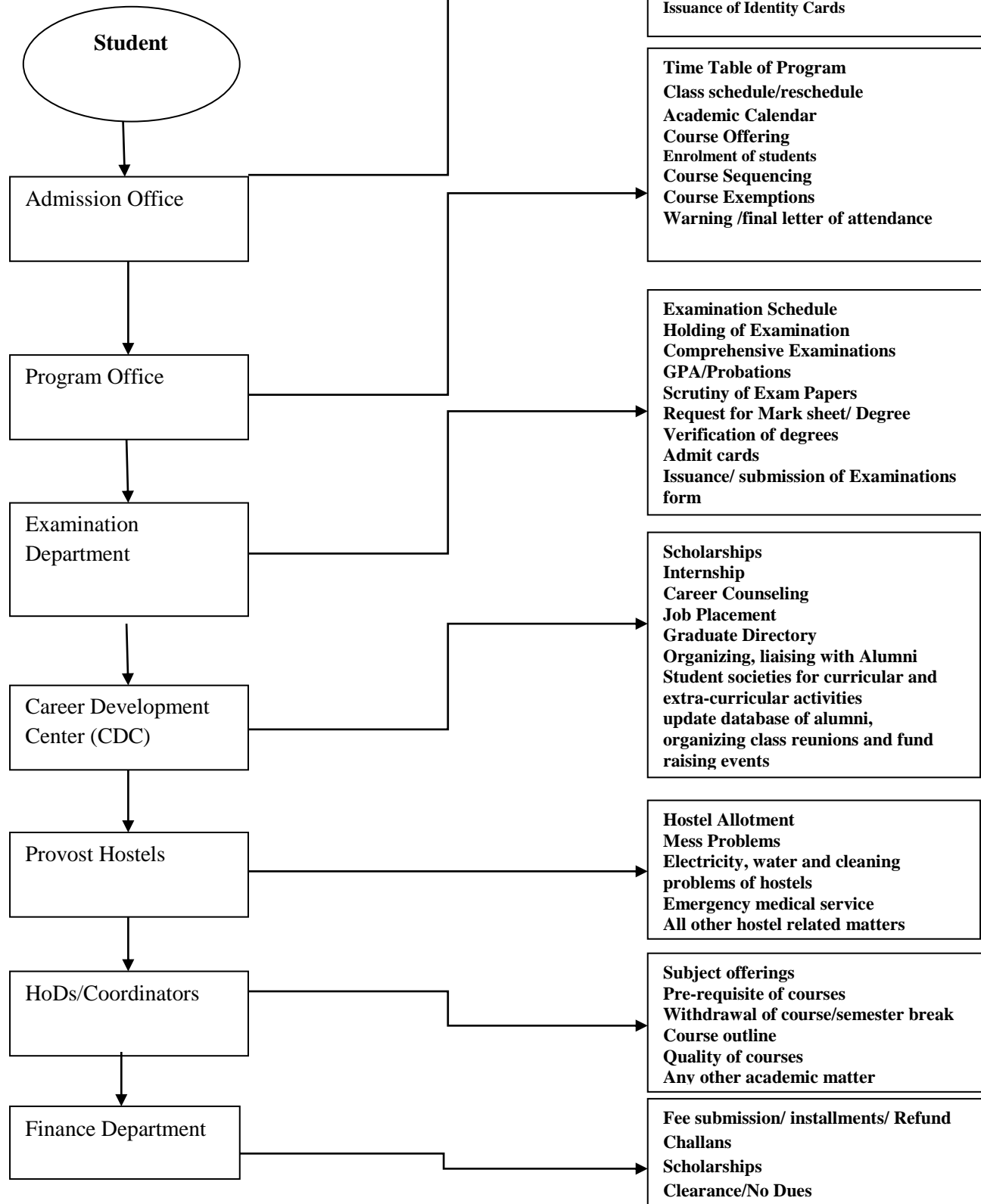
*National holidays subject to declaration by Govt. of Pakistan

**Provincial Holidays for Sindh only subject to declaration by Govt. of Sindh.

Controller of Examinations
Sukkur IBA University

Vice Chancellor
Sukkur IBA University

Students Services



Green Office Initiative

Introduction

Sukkur IBA started "**Green Office Initiative**" in collaboration with WWF Nature Pakistan. The aims and objectives of the program are to create awareness among the Sukkur IBA Community about the environmental issues, to reduce the wastage of resources and to increase the sustainability of the institute natural environment, making it more environment friendly by continuous efforts for reducing environmental burden; consumption of natural resources as well as measures to influence the preservation of biodiversity. The program's mission is to make the world a better place to live by helping people and creating a sense of environmental responsibility among the students and other community members.

Green Office is a practical environmental program that aims to reduce carbon dioxide emissions and offices' ecological footprint. This initiative is suited to offices both large and small in public/private organizations. Office premises hold a key position in energy consumption and in sustainable solutions. Green Office motivates office staff to act in an environmentally friendly way with regard to everyday tasks, and it improves environmental awareness and brings in cost savings. The scheme will benefit both the organization and the environment. WWF awards the Green Office designation to offices fulfilling the criteria of the Green Office program.

Sukkur IBA agreed to sign a memorandum of understanding (MoU) with the World Wide Fund (WWF) Nature Pakistan for green office co-operation. The aim of this MoU is to make Sukkur IBA more environment friendly by continuous efforts for reduction on environmental burden and the use of natural resources as well as measures to influence the preservation of biodiversity in a positive manner.

What is Green Office?

Green Campus means the building/s that use key resources such as energy, water, materials, and land more efficiently than buildings that are erected simply to building code.

The purpose of green office in Sukkur IBA is to reduce energy and paper at the workplace. Reuse paper waste, recycle paper and waste - Save as much as possible, recycle paper, glass, bottles & packs Communicate latest techniques, advantages, issues and solutions. Green (or environmentally sustainable) buildings contribute to improved health, comfort, and productivity of their residents by utilizing more natural light and promoting better air quality.

Sukkur IBA has a set of Institute-wide sustainability principles

and is committed to reducing energy cost. Sukkur IBA implemented green building concept by providing double leaf cavity wall with a polystyrene sheets (Jambolan) in between the cavity walls and also in roof top. The buildings are designed by providing enhanced circulation area, double leaf cavity walls and large aluminum windows, but also need to green the way work in order to reach our goals.

Green practices can help us to:

- Reduce pollution
- Conserve resources
- Conserve energy
- Reduce consumption and waste
- Protect the earth's ecological balance

Purpose of Green Initiatives at Sukkur IBA:

- Sukkur IBA has initiated a Go Green Drive. It's implemented a Green Office/Campus initiative. The purpose of Green Office/Campus Initiatives is to create friendly environment and to make our office greener
- "Green Campus" means the building that uses the less usage of key resources such as energy, water, materials, and land more efficiently than buildings erected simply to building code.
- Green (or environmentally sustainable) buildings contribute to improved health, comfort, and productivity of their residents by utilizing more natural light and promoting better air quality
- Sukkur IBA has a set of Institute-wide Sustainability Principles and is committed to reducing its Greenhouse Gas (GHG) emissions.

Aims & Objectives:

- Reduce pollution, energy and paper at the workplace
- Conserve resources
- Conserve energy
- Reduce consumption and waste
- Protect the earth's ecological balance
- Reuse: Paper waste, save as much as possible, recycle paper, glass, bottles & packs
- Communicate: Gaps, Latest Techniques, Advantages, Issues and solutions Employees & students
- Engagement: Meetings, Emails, Stickers, Intranet Portal and discussions.

Why Green Office?

- Sukkur IBA has a set of Institute-wide sustainability principles and is committed to reducing energy cost.
- This program provides real solutions, and the tools and resources we need to implement them.
- It also provides an entertaining, engaging & competitive way for our office to build community and give us a way of celebrating our accomplishments

Sukkur IBA has been focusing on the following nine conservation categories:

1. Energy:
2. Recycling
3. Waste Reduction
4. Publications
5. Events & Meetings
6. Transportation
7. Tea Rooms & Pantry
8. Purchasing
9. Outreach & Participation

Achievements:

Sukkur IBA is the First Academic Institution across Pakistan to get the Green Campus/Office Certification. It has always strived to benefit this country and its citizens through various green initiatives leading to an environmentally sustainable planet. To that end, Sukkur IBA will always strive to set the path for others so that we can all prosper together today and tomorrow.

Initiatives Taken at Sukkur IBA

1. Designed stickers

for reminder the efficiently usage of natural resources, such as electricity, water and Paper consumption.



Activities:

To conduct several meetings with all heads of the departments and focal persons among faculty and staff to create and foster the soul of the awareness regarding the "green office initiatives" and the awareness campaign.

- Designed stickers for reminder the efficiently usage of natural resources, such as electricity, water & Paper consumption.
- Arrange different awareness sessions and campaigns to make students aware and involve them.
- Organize internships such as ECO-Internship and other green projects in collaboration with WWF Nature Pakistan and others.
- Raise interest of students by arranging different competitions like of the innovative ideas to reduce energy consumption or competitions of modules made by recycled items.



2. Designed 2 separated bins for the properly dumped the wastage organic and in-organic



3. Designed badges for the "green campus initiative" that were to be worn by all the focal persons, that were helpful for all the Sukkur IBA Community. And also design stickers for the systems that reminded to switch off computer when one is not using it.

4. Four-Leaf Concept:

The Green Office Initiative recognizes the efforts of staff and faculty to green their daily activities by offering a Green Office Initiative Certification. Participating offices receive a certificate celebrating their certification status and are acknowledged on the Green Office website and in other publications for their positive contribution in Green Office Initiative Program.

1. Green Office Coordinators/Focal Persons

For better implementation of the concepts and propagation of message among masses a meeting was conducted with all respective heads of the departments to create and inculcate the soul of the awareness regarding the "green office initiatives" and the awareness campaign.

Formation of the group of focal person in each department regarding "green office initiative" and also formation of a group of volunteers from students of each class for the "green campus initiative".

2. Awareness Sessions

Workshops have been scheduled for the continuous hammering of the students and other community members regarding the friendly environment and the proper usages of the natural resources.

A fortnightly meeting of "green office initiative" has been scheduled and properly held to look after the progress and discuss issues regarding the greenery and the environment. Feedback from the focal person of department is also been taken regarding the implementation of initiatives.

Engaging Students with Green Office Concept

vON 21ST August Sukkur IBA "Green Office Initiative" had arranged an awareness session for the students, staff and faculty members, **this awareness session involved students and created awareness about recycling. It also informed the community members about how to become green citizens?**

A proper bi-annual internal audit is also being conducted where paper consumption, electricity and other resource consumptions are compared. Moreover electricity bills of every month are compared with the last one to observe the difference and keep an eye over it. Sukkur IBA "Green Office Initiative" also announced the competition for generating ideas on green environment, that could help us to involve the students to generate ideas for sustainable greenery and the environment and make our campus and city a more greener home for all.




Sukkur IBA conducted a Two-day ECO-Internship Program in collaboration with WWF-Nature Pakistan. The aim of the program was to create awareness among the Sukkur IBA Community members about the core environmental issues. Focus of the internship was to inform students about the measures that could be taken to reduce wastage of resources and increase the sustainability of the Nature. It also helped in generating social responsibility among students for a friendly and green environment ultimately making them a good citizen. Following were the objectives of the ECO Internship Program

- Enable students to generate an insight into the eco dynamics and challenges of the ecosystem.
- Broaden students' scope as responsible custodian of valuable natural resources.
- Inculcate a sense of civic responsibility among students.
- Give students the opportunity to become an official Ambassador of WWF-Pakistan and solicit support of individual members.
- Become well grounded and well aware decision makers for sustainable future.

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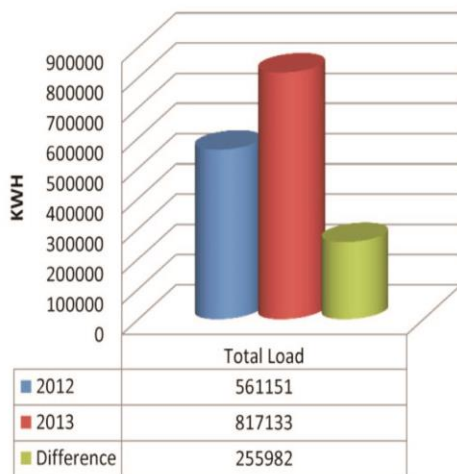
Impact of GOI on Energy



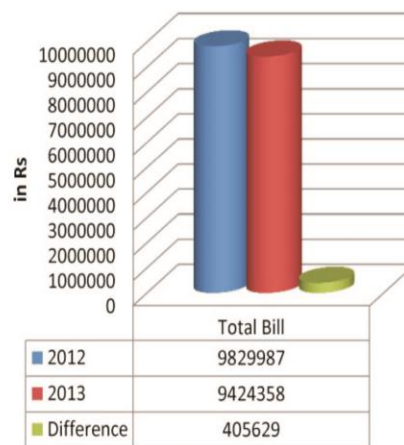
Impacts of Green Office Initiative on Energy

*Sukkur IBA green office took an initiative by starting an Energy Saving Campaign in February-2013. Green Office in this campaign collects data of electricity consumption on monthly basis and compares the figures it with that respective month of last year to evaluate the difference. A major difference has been analyzed by the data comparison. It has been noticed that after taking several green initiatives an amount of approximately **Rs. 3.36 million** (Rupees thirty three lacs and sixty thousands) has been saved in last six months (March- August 2013). The details are given.*

Total Load



Total Bill



2. Sukkur IBA had celebrated “Green Hour” twice for a whole hour where all focal persons took initiatives. Green Hour provides an opportunity to think again on ways to reduce the environmental footprint by taking proactive steps to save our planet. SUKKUR IBA believes in training the employees and public at large for their responsibility to reduce the carbon footprint and providing a healthy & better life to the next generations. All lights all electrical equipments were switched off for the whole hour, blinders were turned up and the students and staff worked in sun light (natural light) for a whole hour.

Green Hour
to make Sukkur IBA
green, clean and sustainable

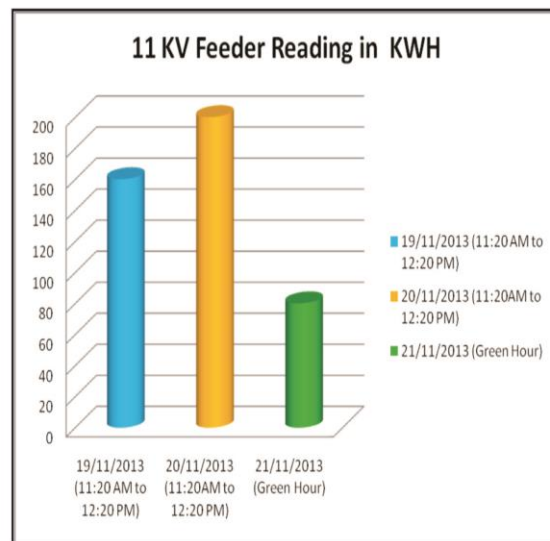
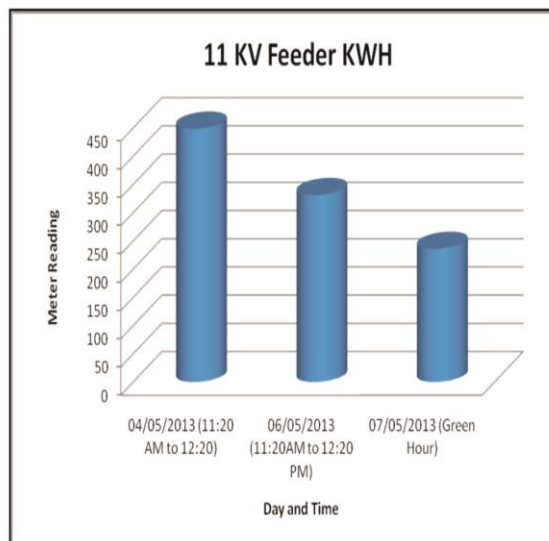
- Allow natural Light in class-rooms and keep windows blinders up
- **OFF** all class-room lights
- **OFF** all electric lights, air-conditioners, water dispensers and other equipment at offices
- Office computers may be **ON** (if required)

11:20 am to 12:20 pm On May 06, 2013

Green Hour
to make Sukkur IBA
green, clean and sustainable

- Allow natural Light in class-rooms and keep windows blinders up
- **OFF** all class-room lights
- **OFF** all electric lights, air-conditioners, water dispensers and other equipment at offices
- Office computers may be **ON** (if required)

11:20 am to 12:20 pm On Nov 21, 2013

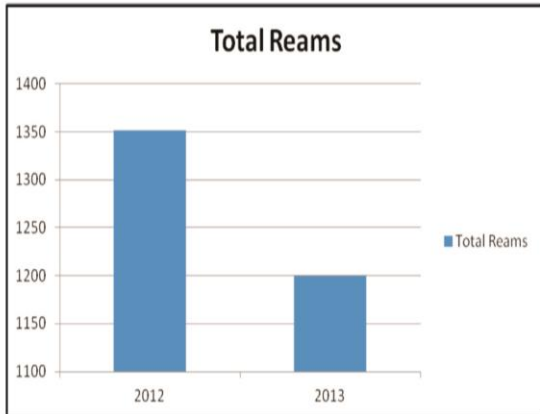


Date & Time	04/05/2013 (11:20 AM to 12:20)	06/05/2013 (11:20AM to 12:20 PM)	07/05/2013 (Green Hour)
11 KV Feeder KWH	448.78	331.2	235.86

Date & Time	19/11/2013 (11:20 am to 12:20 am)	20/11/2013 (11:20 am to 12:20 am)	21/11/2013 (Green Hour)
11 KV Feeder KWH	160	200	80

5. Reducing paper consumption

A huge difference in use of paper has been observed in the campus after establishment of Green Office at Sukkur IBA. The difference in the paper consumption can be observed by studying following report. Paper Reams Consumption Report Comparison of 2012 and 2013 with 11.2% reduction



Year	2012	2013
Total Reams	1351	1200

6. Insulation of Walls (with Jambolon sheets)

Sukkur IBA is located in very hot region, where temperature remains above 50 Centigrade for eight (08) months, so the buildings are designed by providing enhanced circulation area, double leaf cavity wall system (Outer double walls having cavity in between) in the building infrastructure, that cavity is filled with Jambolon sheets, in order to reduce the heat impact inside the building. Jambolon sheets (Polystyrene product) are 8ft by 4ft in size and 2 inch thick.

7. Insulation of Roofs (with Insulation Tiles)

(CCTile + Light Weight Cellular Concrete + Thermo Pore)
Matrixx Company in association with Concrete Measures has developed new lightweight insulation roof tile made from a combination thermo pore and cellular concrete also known as aerated concrete. Composite roof insulation tiles provides following benefits:

- Excellent finish in variety of cement color finish and terrazzo finish
- Double insulation of cellular concrete and thermo pore.
- Lightweight
- Absorption less than 2%
- Concrete compressive strength, approximately 3,500 psi. Micro reinforcement with high strength synthetic fiber.

Details of Roof Tiles are as follows:

- Tiles Size: 300 x 300 x 50 mm, 200 x 200 x 50mm.
- Cellular Concrete Density: 1,500 kg/m³, approximately
- Thermo pore Density: 16 kg/m³ approximately
- Thermo pore Thickness: 25 mm approximately

8. Solar System at Administration Block

The solar system installed at Administration block at Sukkur IBA is of 10.5 KW hybrid power systems, with 5 KW back up. The specification of this system covers the supply of Photo Voltaic Solar Systems that will be operating in conjunction with a D.C. generating set and the associated Solar Inverter to provide necessary A.C. power supplies to Administration Block.



Tree Plantation at Various Localities

Sukkur IBA has always shown a front demeanor and has adopted all the possible means of being environmentally and socially responsible institute. Sukkur IBA thus participated in tree plantation in every season and various other occasions to support and make the green and clean environment sustainable. Numerous plants have been planted at the campus where as another green belt is under process that has to inaugurate soon.

A large numbers of unique flowers like Cosmos, Petunia (earlier F₁, now F₂), Marigold, Bonasa, Tuberose, Penziya, Carnition, Uforia, Inca, Bonsai & Axzora.

Conclusion:

Sukkur IBA has become more environmentally conscious and aware of its surrounding. We insure that our environmental footprint continue to demonstrate our focus on the environment. Be focus on the environmental burdens. We are able to maintain our growth, while also reducing our environmental impact. Sukkur IBA has critically analysis the impact of decision on environmental that our policy and producers and initiative should be taken as an environmental friendly. To reduce the impact of greenhouse emission on the environment we are continue striving the latest technology to ensuring that our newer facilities are more eco-efficient.

