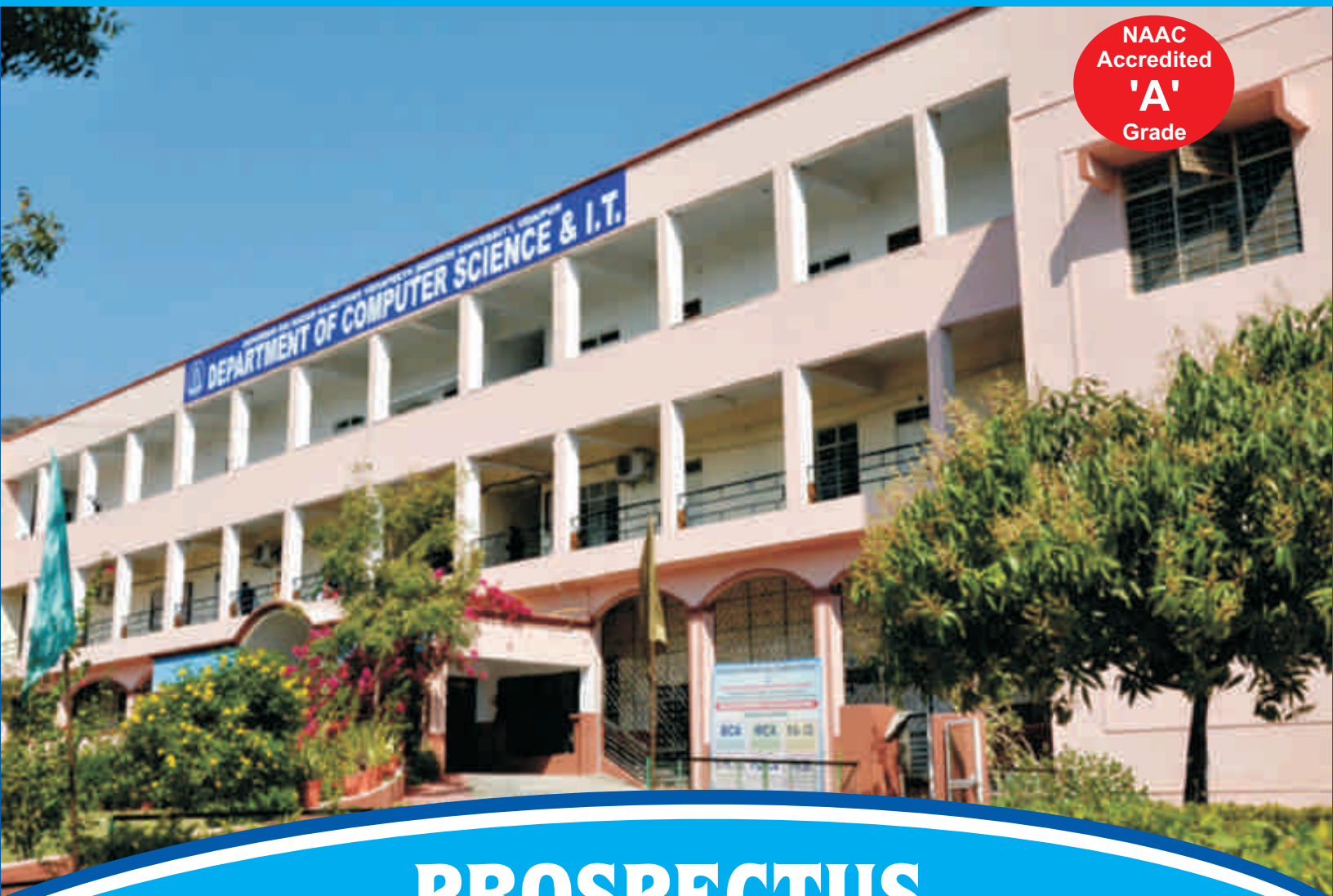# DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Janardan Rai Nagar Rajasthan Vidyapeeth (Deemed-to-be University), Udaipur (Raj.)

NAAC Accredited 'A' Grade

DEPARTMENT OF COMPUTER SCIENCE & I.T.

PROSPECTUS
2019-20

NAAC *Certificate of Accreditation*

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the

National Assessment and Accreditation Council

on the recommendation of the duly appointed

Peer Team is pleased to declare the

Janardan Rai Nagar Rajasthan Vidyapeeth

(Deemed to be University u/s 3 of the UGC Act, 1956)

Pratap Nagar, Udaipur, Rajasthan as

Accredited

with CGPA of 3.04 on four point scale

at A grade

valid up to December 15, 2021

Date : December 16, 2016

Director

EC(SC)/20/A&A/59 2

Hon'ble Manishi Pt. Janardan Rai Nagar

Born on 16- 06- 1911   **Passed Away on 15-08-1997**

OUR BELOVED FOUNDER

"We Feel very proud of you and your family have done to glorify the name of Rajasthan Vidyapeeth throughout the country & elsewhere. You would always be a beacon of guiding lights in our deeds and action we promise to do whatever we can to convert your dreams into reality, we the members of the staff, the Ex-students and the present students of the department would always remember you and be guided by your spirit. Though you have left us your moto of hard work and dedication would always be kept up"

No. F.9-5/84-U.3
Government of India

Ministry of Human Resource Development

(Deptt. of Education)
New Delhi, the 12th January, 1987

NOTIFICATION

In exercise of the powers conferred by Section 3 of the University Grants Commission Act, 1956 (3 of 1956), the Central Government on the advice of the Commission, hereby declare that the Rajasthan Vidyapeeth, Udaipur shall be deemed to be a University for the purpose of the aforesaid Act.

Sd/-
(J.D. Gupta)
Joint Secretary of the Government of India

State Govt. *Certificate of Registration*

राजस्थान सरकार

सत्यमेव जयते

रजिस्ट्रीकरण प्रमाण-पत्र

क्रमांक : २२४ /उदयपुर/ 2015-16

प्रमाणित किया जाता है कि डिपार्टमेंट ऑफ कम्प्यूटर साईन्स एण्ड आई टी एल्युमिनी सोसायटी जिला - उदयपुर का राजस्थान संस्था रजिस्ट्रीकरण अधिनियम 1958 (राजस्थान अधिनियम संख्या 28, 1958) के अन्तर्गत रजिस्ट्रीकरण आज किया गया।

यह प्रमाण-पत्र मेरे हस्ताक्षर और कार्यालय की मोहर से आज दिनांक 12 माह फरवरी सन् दो हजार सोलह को उदयपुर में दिया।

रजिस्ट्रार
संस्थाएँ, उदयपुर

CHANCELLOR'S MESSAGE

It is delightful to learn that the Department of Computer Science & Information Technology has been laudably Catering to the long felt need of the society in the field of IT by imparting effective theoretical knowledge and related practical training which I am confident, will help, shape your career in the desirable manner. MCA, M. Sc. (CS), PGDCA, and BCA courses have been continuing very successfully and the passing out youth have been placed very well in various government departments and business institutions and are engaged in nation building. I would like to felicitate the Director Prof. Manju Mandot and all his colleagues for publication of the prospectus 2019-20. I heartily wish that the department will ever attain newer heights. I invite you all to cherish the dream of DR. A. P. J. Abdul Kalam former president of India to make our great nation a fully developed one by 2020. This will be possible only through determination and dedication.

Come, let us join hands to serve our motherland with humility and devotion.

Shri H. C. Parekh

VICE CHANCELLOR'S MESSAGE

I have immense Pleasure to have come to Know that the Department of Computer Science & Information Technology is heading towards granting admissions for the session 2018-19. Needless to say, that the importance of computer education/ Informations technology is enhanced with growing liberalization and globalization the demand of skilled experts in computer application is growing day by day. Fortunately, the department is well equipped with up-to-date computing facilities for practices to match its theoretical contents. The faculty, under the able leadership of the Director, Prof. Manju Mandot, is putting its best efforts in providing valuable education with the aim of not only preparing computer experts but also focus is given for all-round personality development of the student. We invite you to join the college as we engage in research based investigation, standards driven curriculum development and reflective practices.

A hearty welcome to those candidates who are really serious, hardworking and enthusiastic towards creating important place for themselves in the society.

Prof. S. S. Sarangdevot

FROM DIRECTOR'S DESK

The Prestigious, Department of Computer Science and Information Technology posses a state of art infrastructure with equipped laboratories well stocked library and highly qualified faculty. We at Department of Computer Science and Information technology introduce our students to the outcome based education and trained with computing skills for start-ups.

Our students are project innovators, manager, great scientists, entrepreneurs and aspiring leaders- from every age group and are located at every corner of the country.

In the age of globalization , to build a truly different institution of Computer Science and IT, our department with a marked difference in quality to serve the local and tribal people in global arena. Two years lateral entry programme (MCA) that is more beneficial for B.Sc.(CS), BCA students. We are providing some specialization programs like Bigdata, Internet of Things, Graphic designing, digital marketing with UG and PG courses and preparing the students for challenges in today's globalized technology.

The doors of our faculty members are always open for any student who seeks help.

We welcome all the students to join us to make Department of Computer Science and Information Technology a place to grow and hone your skills.

Prof. (Dr.) Manju Mandot

COORDINATORS MESSAGE

Dear Students

Adhering strictly to our mission, 'To give opportunities and uplift the students of Rural and Tribal areas' and following the footprints of our founder, Pt. Janardan Rai Nagar, we, at Department of Computer Science & IT, believe that a great responsibility is vested on us, as educators of the modern world.

In the year 2019-20, we are heading towards the 24rd year of our existence in Udaipur. It is the collective effort of many and the vision of the honorable Vice-chancellor Prof. S.S. Sarangdevot that helped us to achieve this milestone. With profound gratitude to God and sincere acknowledgment to all our well-wishers, we are marching ahead, exploring further opportunities for our students to learn and grow.

Our department has been the foremost institution of higher technical education in the Southern Rajasthan. The All India Council for Technical Education has approved the MCA course offered by us since 2003. It has state of art enabled infrastructure and the faculty members, with top line qualification and extensive experience.

I insist the students to engage themselves in concept based studies rather than mugging up the content as concept building will result in a better quality. We are delighted that many of our students are now holding good positions in premier organizations in the state and country.

I extend a warm welcome to our students and wish them a great future after a rewarding stint of educational career at DCS&IT.

Wish you all the best !

Dr. Bharat Singh Deora

ABOUT DCS & IT

Department of Computer Science is the constitute department of Janadhan Rai Nagar Rajasthan Vidyapeeth Deemed to be University. Pandit Janardhan Rai Nagar established "Rajasthan Vidyapeeth" in 1937 to uplift the down-trodden common men. Initially it is started as Night Study center for elementary, secondary and advance courses. Rajasthan Vidyapeeth get the status of deemed university in 1987. Our university has three campus which are located in Udaipur city, Pratapnagar and Dabok with more than 20 constitute departments or colleges.

The Department of Computer Scienece & IT (Formerly known as "Institute of Computer Education") was founded in the year 1995 and is one of the earliest computer science & IT department in the state. It has highly qualified faculty members in addition to some distinguished visiting professionals of national repute. The department is offering various courses in terms of UG, PG & Diploma like BCA, MCA (3 years as well as 2 years (lateral entry), AICTE Approved), M.Sc. (CS) & PGDCA. It provides computer science education focusing on the basic requirements of the students belonging to the rural and tribal areas, with also to provide excellent higher education to prepare students for making their career in industry or to pursue advanced graduate or post graduate studies. DCS & IT is committed to excellence in fundamental research as well as development of innovative technologies for the future. It aspires to make the students conversant with the structure, functions and architecture of computers to train them to apply this knowledge to business and industry and to foster team spirit to produce IT professionals of national / international standards.

VISION

"To provide excellent education in computer related fields with a vision to prepare students for careers in industry or to pursue advanced graduate or post graduate studies. Also, to provide a teaching environment that emphasizes depth originality and critical thinking."

MISSION

"To give opportunities to and uplift the students of Rural and Tribal areas of Southern Rajasthan and push them into the main stream of IT era."
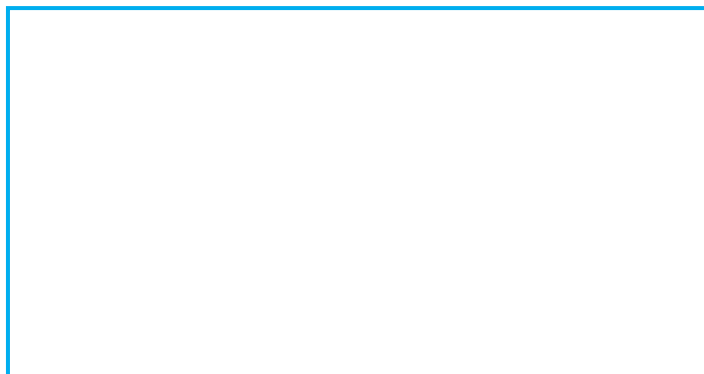
INFRASTRUCTURE FACILITIES

Smart Classroom :

The department consists of 10 well-equipped & well-furnished classrooms which include four smart classrooms provides the necessary tools for faculty members to incorporate a wide range of media in instruction, save the annotation of the course content presentation, and to enrich student learning experience through interactive discussions.

SMART CLASSROOM

SMART CLASSROOM

Computer Labs :

The department consists of state - of - the - art well equipped two computer labs - Web Technologies and OS Lab, Programming Lab, Hardware & IoT Lab & Business Communication lab. for faculty as well as students to learn and improve the programming and communication skills and also to perform research in the various computer fields such as:

Computer graphics, Web technologies, building enterprise application, databases, data mining, networking, operating systems, Android, JAVA and LINUX.

DCS & IT Consists of the best labs with 150 terminals and Internet facilities for the students for the student and teachers. The labs are well equipped with teaching aids such as LCD Projectors and Scanners. The College makes all its students conversant with modern learning aids. The entire campus is Wi-Fi connected.

PROGRAMMING LAB

WEB TECHNOLOGY & OS LAB

Hardware & IoT Lab :

In the digital lab, students learn the basics of hardware and it makes the students to :

* To Learn and understand digital logic circuits.

* To learn Assembling fo the Hardware.

* To Learn Networking & Trouble shooting.

* To Learn Installation of various Operating Systems.

* To Learn Exploration of Hardware architecture.

HARDWARE & IoT LAB

Communication Lab :

The lab is well equipped with multimedia systems and software for improvement of communication skills and personality development, as it is one of the basic needs not only in It industry but also everywhere.

COMMUNICATION LAB

Library :

A library is the heart of an academic institution. Our institution encourages all students and staff members to make the best use of the library that has been carefully built up since the inception of the college. The Library is well-stocked and fully-computerized. It has various text and reference books (Book volumes 12406, Book titles 1900) with 15 research journals and wide range of audio - visual materials including 1000 CD's to supplement to healthy learning environment covering almost all aspects of Computer Science & IT. It regularly subscribes to about 08 Periodicals Including different types of newspapers such as Times of India, The Hindu, The Economic Times, Patrika, Bhaskar, Navbharat Times Etc. The Library has a "Book Bank" facility which consist of core texts books and which are issued to all students for the whole academic year.

Conference Hall & Seminar Hall

The department has a well furnished AC hall with a seating capacity of 250 persons for organizing national and international conferences, workshop and seminars.

The department also has a well furnished AC hall with a seating capacity of 50 persons for project presentation and Ph.D. viva etc.

Conference Hall   **Seminar Hall**

Placement :

Our Passout Students were placed in companies such as argcgate, Fusion, e-solution etc.

Collaboration

Department of Computer Science and IT has collaborated with many Industries and companies for placement and training, few of esteemed companies are as follows:

Fusion Business solutions Pvt, Ltd, 5 Splash, Web Sensor, Dulawat Technologies, Insessor Technologies etc.

Research :

DCS & IT publishes its own referred & peer reviewed research journal (ISSN : 2277-9647)" IJCANS - International Journal of Computer Applications and Natural Sciences" to promote research in the department.

Sports

Department of Computer Science & IT has indoor and outdoor sports facilities like table-tennis, chess, cricket, volley-ball etc. Our students have participated at national level spots competitions.

EDUCATIONAL ACTIVITIES :

Fresher Party

"LOGON" was organized by the department. The main aim of the party is to give warm welcome to the new comers. Such parties not only build their confidence but also add creativity to their levels. It is accompanied with so many colorful event and programs like ramp walk, traditional & fusion dance, singing performances etc., makes it a memorable evening.

Extracurricular activities

Department of Computer Science and IT every year organizes such extracurricular activities for students to teach them how to work for a common goal in a group and this ultimately develop a sense of responsibility in them. These all are for overall development of our students and their bright future.

Village Tour

The students of the department saw the various women empowerment activities run by the community centers of JRN Rajasthan Vidyapeeth. They interact with the school going students and "self help women group". The main objective of the tour was to get insight view of how to empower village women financially, politically and socially.

Independence Day Celebration

Honouring Our Vice-Chancellor

Workshop, Seminar and Conference

One day workshop was organized by SAP on July 31, 2018 at the department for the students of BCA. The main objective of the workshop was to prepare the students for Scholar@SAP program.

One day motivational seminar on November 28, 2018 was organized by department in coloration with Rajasthan Patrika.

One day Seminar on "EVENT FRAME WORK", organized on 15 Sept 2018 by Dutechosys (Dulawat Technosys). The main objective was to teach the students about 'How web APT work', 'Mobile application frame work', 'Database design', etc with Practical sessions.

Three days National workshop on "CLOUD COMPUTING AND WEB TECHNOLOGIES" organized on 1st to 3rd March 2019, in association with "COMPUTER SOCIETY OF INDIA, UDAIPUR CHAPTER". The main objective was to teach the students about 'Current trends in Web Technologies', 'Digital marketing with Practical sessions', 'Mobile application development', 'Internet of Things with practical sessions', etc.

Two days workshop on "ADVANCE TECHNOLOGY IN GRAPHICS & ANIMATION" organized on 15th - 16th April 2019 by Areta Animation Academy, Udaipur. The main objective was to teach the students about 'Animation, VFX, Photoshop, Graphics designing tools' with live examples and practical sessions.

Industrial Visit

Department of Computer Science and IT organized an industrial visit at " Lipi Data System Ltd, Udaipur" , on 22 Feb 2019, for their students to get practical exposure and insight of real working environment in industries.

PROGRAMME AND ELIGIBILITY

PROGRAM	ELIGIBILITY FOR GENERAL CATEGORY	ELIGIBILITY FOR RESERVED CATEGORY	NO. OF SEATS
Master of Computer Application (MCA-Full Time) **	Minimum 50% marks in graduation (any stream) from any recognized University/ Institute	Minimum 45% marks in graduation (any stream) from any recognized University/ Institute	60
Master of Computer Application (MCA-Lateral Entry) **	Minimum 60% marks in BCA/ B.Sc.(CS)/B. Sc. (IT) from any Recognized Institute/ University	Minimum 55% marks in BCA/ B.Sc.(CS)/B. Sc. (IT) from any Recognized Institute/ University	As Per Norm
Master of Science [M. Sc. (Computer Science)] **	Minimum 50% marks in graduation (any stream) from any Recognized Institute/ University with maths	Minimum 45% marks in graduation (any stream) from any Recognized Institute/ Universitywith maths	30*
Master of Science [M. Sc. (Computer Science)] (Lateral Entry) **	Minimum 50% marks in PGDCA from any Recognized Institute/ University	Minimum 45% marks in PGDCA/ 'A' Level from any Recognized Institute/ University	30*
Post Graduate Diploma in Computer Application (PGDCA)**	Minimum 45% marks in graduation (any stream) from any Recognized Institute/ University	Minimum 40% marks in graduation (any stream) from any Recognized Institute/ University	30*
Bachelor of Computer Application (BCA)**	Minimum 45% marks in 10+2(any stream) from any recognized Board	Minimum 40% marks in 10+2(any stream) from any recognized Board	120*

Note:
*Seats may be increased or decreased.
**Admission based on Merit.

PROGRAMME AND FEE STRUCTURE DETAILS

Master of Computer Application (MCA)

PARTICULARS	I YEAR	II YEAR	III YEAR	Foreign Students		
				I YEAR	II YEAR	III YEAR
Course Fee	36,000	36,000	36,000	54,000	54,000	54,000
Library Fee	300	300	300	300	300	300
Project Fee	2,000	2,000	5,000	2,000	2,000	5,000
Student Welfare Fund	1,200	1,200	1,200	1,200	1,200	1,200
University Development Fund	800	800	800	800	800	800
Examination Fee(1500/Semester)	3,000	3,000	3,000	3,000	3,000	3,000
Enrollment Fee	700	-	-	700	-	-
TOTAL	**44,000**	**43,300**	**46,300**	**62,000**	**61,300**	**64,300**

* Enrollment and Examination Fee as per university norms.

Master of Computer Application (MCA-LE)

PARTICULARS	I YEAR	II YEAR	Foreign Students	
			I YEAR	II YEAR
Course Fee	46,000	46,000	69,000	69,000
Library Fee	300	300	300	300
Project Fee	2,000	5,000	2,000	5,000
Student Welfare Fund	1,200	1,200	1,200	1,200
University Development Fund	800	800	800	800
Examination Fee(1500/Semester)	3,000	3,000	3,000	3,000
Enrollment Fee	700	-	7000	-
TOTAL	**54,000**	**56,300**	**77,000**	**79,300**

* Enrollment and Examination Fee as per university norms.

BACHELOR OF COMPUTER APPLICATION (BCA) PROGRAMME DETAILS

Course Code	Course Type	Semester-I Course Name	Credit Hours			
			L	T	P	CU
BCA-11	CC1	Fundamental of Computers & Information Technology	4	0	0	4
BCA-12	CC2	Programming in C	4	0	0	4
BCA-13	AEC1	Communicative English and Professional Ethics	3	1	0	4
BCA-14	GE1	Financial Accounting	5	1	0	6
BCA-15	CC1P	PC Packages Lab.	0	0	4	2
BCA-16	CC2P	C Programming Lab.	0	0	4	2
BCA-17	SEC1	Computerised Accounting	0	0	4	2
			16	2	12	24

Course Code	Course Type	Semester-II Course Name	Credit Hours			
			L	T	P	CU
BCA-21	CC3	Internet and Web Programming	4	0	0	4
BCA-22	CC4	Digital Computer Organization	4	0	0	4
BCA-23	GE2	Fundamentals of Mathematics	5	1	0	6
BCA-24	ACE2	Environmental Studies	3	1	0	4
BCA-25	CC3P	Internet & Web Programming Lab.	0	0	4	2
BCA-26	CC4P	Digital Computer Organization Lab.	0	0	4	2
BCA-27	SEC2	Content Management System	0	0	4	2
			16	2	12	24

Course Code	Course Type	Semester-III Course Name	Credit Hours			
			L	T	P	CU
BCA-31	CC5	Database Management System	4	0	0	4
BCA-32	CC6	Object Oriented Programming With C ++	4	0	0	4
BCA-33	CC7	System Analysis and Design	5	1	0	6
BCA-34	CC5P	Database Management System Lab.	0	0	4	2
BCA-35	CC6P	Object Oriented Programming With C++ Lab.	0	0	4	2
BCA-36	DSE1	Cloud Computing	5	1	0	6
			18	2	8	24

Course Code	Course Type	Semester-IV Course Name	Credit Hours			
			L	T	P	CU
BCA-41	CC8	Java Programming	4	0	0	4
BCA-42	CC9P	Visual Programming using .NET	4	0	0	4
BCA-43	CC10P	Data Communication and Networks	5	1	0	6
BCA-44	DSE2	E-Commerce	5	1	0	6
BCA-45	GE3	Social Work and Community Development	5	1	0	6
BCA-46	CC8P	Java Programming Lab.	0	0	4	2
BCA-47	CC9P	Visual Programming using .NET Lab.	0	0	4	2
BCA-48	GE3P	Village Camp	0	0	4	2
			21	3	12	30

Course Code	Course Type	Semester-V Course Name	Credit Hours L	T	P	CU
BCA-51	CC11	Web Development Using PHP and MySQL	4	0	0	4
BCA-52	CC12	Operating System	4	0	0	4
BCA-53	CC13	Emerging Trends in Information Technology	5	1	0	6
BCA-54	DSE3	Information Security	5	1	0	6
BCA-55	CC11P	Web Development Using PHP and MySQL Lab.	0	0	4	2
BCA-56	CC12P	Operating System Lab.	0	0	4	2
BCA-57	SEC3	XML Programming	0	0	4	2
			18	2	12	26
Course Code	Course Type	Semester-VI Course Name	Credit Hours L	T	P	CU
BCA-61	CC14	Software Engineering	5	1	0	6
BCA-62	SEC4	Mobile Application Development	0	0	4	2
BCA-63	DSE4	Project	0	0	28	14
			5	1	32	22
		Total Credit Units				150

Course Type	No.
CC - Core Course	14
AEC - Ability Enhancement Course	2
GE - Generic Elective	3
SEC - Skill Enhancement Course	4
DSE - Discipline Specific Elective	3
DSE - Discipline Specific Elective (Project)	1

POST GRADUATE DIPLOMA IN COMPUTER APPLICATION (PGDCA)

PARTICULARS	I YEAR	Foreign Students I YEAR
Course Fee	17,000	25,000
Library Fee	300	300
Project Fee	3,000	3,000
Student Welfare Fund	1,200	1,200
University Development Fund	800	800
Examination Fee(1250/Semester)	2,500	2,500
Enrollment Fee	700	700
TOTAL	25,500	34,000

* Enrollment and Examination Fee as per university norms.

I & II Semester : Fundamental of Computers & Information Technology, Programming in C, Internet and Web Programming, Communicative English and Professional Ethics, Financial Accounting, C Programming Lab., Internet & Web Programming Lab., Database Management System, Object Oriented Programming with C ++,Operating System, Information Security Awareness, Fundamental of Mathematics, Database Management System Lab., Object Oriented Programming With C++ Lab., Project

MASTER OF SCIENCE (COMPUTER SCIENCE)

PARTICULARS	I YEAR	II YEAR	Foreign Students	
			I YEAR	II YEAR
Course Fee	18,000	18,000	27,000	27,000
Library Fee	300	300	300	300
Project Fee	2,000	3,000	2,000	3,000
Student Welfare Fund	1,200	1,200	1,200	1,200
University Development Fund	800	800	800	800
Examination Fee(1500/Semester)	3,000	3,000	3,000	3,000
Enrollment Fee	700	-	700	-
TOTAL	26,000	26,300	35,000	35,300

* Enrollment and Examination Fee as per university norms.

I & II Semester : Fundamental of Computers & Information Technology, Programming in C, Internet and Web Programming, Communicative English and Professional Ethics, Financial Accounting, C Programming Lab., Internet & Web Programming Lab., Database Management System, Object Oriented Programming with C++,Operating System, Information Security Awareness, Fundamental of Mathematics, Database Management System Lab., Object Oriented Programming With C++ Lab., Minor Project

III & IV Semester : Java Programming, Data Structures, Software Engineering, Data Communication and Networks, Computer Organization and Microprocessor, Java Programming Lab., Data Structures Lab., Open Source Operating System Lab., Artificial Intelligence, Enterprise Resource Planning and E-Business, Data Mining and Data Warehouse, Wireless and Mobile Communication, Elective-I, Web Development using PHP and MySQL Lab., .NET Technology and C# Lab., Project

BACHELOR OF COMPUTER APPLICATION (BCA)

PARTICULARS	I YEAR	II YEAR	III YEAR	Foreign Students		
				I YEAR	II YEAR	III YEAR
Course Fee	20,000	25,000	30,000	30,000	37,500	45,000
Library Fee	300	300	300	300	300	300
Project Fee	-	-	3,000	-	-	3,000
Student Welfare Fund	1,200	1,200	1,200	1,200	1,200	1,200
University Development Fund	800	800	800	800	800	800
Examination Fee(1000/Semester)	2000	2000	2000	2000	2000	2000
Enrollment Fee	700	-	-	700	-	-
TOTAL	25,000	29,300	37,300	35,000	41,800	52,300

* Enrollment and Examination Fee as per university norms.

MASTER OF COMPUTER APPLICATION (MCA) PROGRAMME DETAILS

S.No.	Course Code	Semester-I Course Name	L	T	P	CU
			Credit Hours			
1	MCA-11	Fundamental of Computers & Information Technology	4	1	0	5
2	MCA-12	Programming in C	4	0	0	4
3	MCA-13	Internet and Web Programming	4	0	0	4
4	MCA-14	Communicative English and Professional Ethics	4	1	0	5
5	MCA-15	Financial Accounting	4	1	0	5
6	MCA-16	C Programming Lab.	0	0	4	2
7	MCA-17	Internet & Web Programming Lab.	0	0	4	2
			20	3	8	27

S.No.	Course Code	Semester-II Course Name	L	T	P	CU
1	MCA-21	Database Management System	4	0	0	4
2	MCA-22	Object Oriented Programming With C ++	4	0	0	4
3	MCA-23	Operating System	3	1	0	4
4	MCA-24	Information Security	3	1	0	4
5	MCA-25	Fundamental of Mathematics	4	1	0	5
6	MCA-26	Database Management System Lab.	0	0	4	2
7	MCA-27	Object Oriented Programming With C++ Lab.	0	0	4	2
8	MCA-28	Minor Project	0	0	4	2
			18	3	12	27

S.No.	Course Code	Semester-III Course Name	L	T	P	CU
1	MCA-31	Java Programming	4	0	0	4
2	MCA-32	Data Structures	4	0	0	4
3	MCA-33	Software Engineering	3	1	0	4
4	MCA-34	Data Communication and Networks	3	1	0	4
5	MCA-35	Computer Organization and Microprocessor	4	1	0	5
6	MCA-36	Java Programming Lab.	0	0	4	2
7	MCA-37	Data Structures Lab.	0	0	4	2
8	MCA-38	Open Source Operating System Lab.	0	0	4	2
			18	3	12	27

S.No.	Course Code	Semester-IV Course Name	L	T	P	CU
1	MCA-41	Artificial Intelligence	3	1	0	4
2	MCA-42	Enterprise Resource Planning and E-Business	3	1	0	4
3	MCA-43	Data Mining and Data Warehouse	3	1	0	4
4	MCA-44	Wireless and Mobile Communication	3	1	0	4
5	MCA-45	Elective-I	4	1	0	5
6	MCA-46	Web Development using PHP and MySQL Lab.	0	0	4	2
7	MCA-47	.NET Technology and C# Lab.	0	0	4	2
8	MCA-48	Minor Project	0	0	4	2
			16	5	12	27

MCA-45A	Multimedia Viritual Reality (Elective)
MCA-45B	Compiler Design (Elective)

S.No.	Course Code	Semester-V Course Name	Credit Hours			
			L	T	P	CU
1	MCA-51	Computer Graphics	4	0	0	4
2	MCA-52	Advanced Database System	3	1	0	4
3	MCA-53	Digital Image Processing	3	1	0	4
4	MCA-54	Parallel Computing	3	1	0	4
5	MCA-55	Elective-II	4	1	0	5
6	MCA-56	Computer Graphics Lab.	0	0	4	2
7	MCA-57	Mobile Application Development using Android Lab.	0	0	4	2
8	MCA-58	Server Administration Lab.	0	0	4	2
			17	4	12	27
	MCA-55a Embedded System (Elective)					
	MCA-55b Object Oriented Analysis and Design (Elective)					

S.No.	Course Code	Semester-VI Course Name	Credit Hours			
			L	T	P	CU
1	MCA-61	Project	0	0	0	25
			0	0	0	25
		Total Credit Units				160

STERN WARNING

As per the Supreme Court Orders laid down for checking ragging in the Colleges, the following actions will be taken on those students who indulge in ragging: -

✶ That any student or students be expelled

✶ F.I.R. will be registered against the defaulters.

✶ That any student or students be, for a stated period, rusticated.

✶ That any student or students be fined with a sum of rupees that may be specified.

✶ That any student or students be debarred from taking a University or College Departmental Examination or Examinations for one or more years.

✶ That the result of the student or students concerned in the Examination or Examinations in which he/she or they have appeared be cancelled.

✶ Any other as per university regulations.

ONLINE TRANSACTION DETAILS

Bank Name : **Allahabad Bank**

Branch : **Pratapnagar, Udaipur**

Account No. : **21408371965**

Account Name : **Director, Department of Computer Science & IT**

IFCI CODE : **ALLA0212151**

Free Ship And Scholarship Policy

	Program	Percentage	Fee Ship (Boys) (% of Course Fee)	Fee Ship (Girls) (% of Course Fee
Free ship	BCA I Year MCA I year / MCA (LE)	>= 90%	50%	60%
		>=80% < 90%	30%	40%
		>=70% < 80%	20%	30%
		>=60% < 70%	10%	20%
		>=50%	-	10%
Scholarship	All Programmes BCA / MCA/ M.Sc. (CS)	Applicable as per state / central government norms.		

STUDENT HELPLINE COMMITEES

ANTI - RAGGING COMMITTEE

S.N.	NAME	DESIGNATION	CONTACT	EMAIL
1.	Prof. (Dr.) Manju Mandot	Chairperson	9414737125	director.dcsit@jrnrvu.edu.in
2.	Dr. Manish Shrimali	Member	9887285752	
3.	Dr. Bharat Singh Deora	Co-coordinator	9829588286	bharat.deora@jrnrvu.edu.in
4.	Dr. Gaurav Garg	Member	9413319864	gaurav.garg@jrnrvu.edu.in
5.	Mr. Bhawani Pal Singh	Member	9829943205	bhawanipal.singh@jrnrvu.edu.in
6.	Ms. Priyanka Soni	Member	9511588609	Priyanka12kimmi@gamil.com
7.	Mr. Faizal Khan	Member	MCA V Semester	--
8.	Mr. Deepika Menaria	Member	MCA V Semester	--

ANTI - SEXUAL HARASSMENT COMMITTEE

S.N.	NAME	DESIGNATION	CONTACT	EMAIL
1.	Prof. (Dr.) Manju Mandot	Chairperson	9414737125	director.dcsit@jrnrvu.edu.in1
2.	Dr. Pradeep Singh Shaktawat	Member	9887575613	pradeep.shaktawat@jrnruv.edu.in
3.	Ms. Priyanka Soni	Member	9511588609	Priyanka12kimmi@gamil.com
4.	Ms. Bhavna Joshi	Member	MCA IV Semester	--
5.	Mr. Jaimik Panchal	Member	MCA II Semester	--

STUDENT GRIEVANCES COMMITTEE

S.N.	NAME	DESIGNATION	CONTACT	EMAIL
1.	Prof (Dr.) Manju Mandot	Chairperson	9414737125	director.dcsit@jrnrvu.edu.in
3.	Dr. Bharat Singh Deora	Co-coordinator	9829588286	bharat.deora@jrnrvu.edu.in
4.	Dr. Dinesh Shrimali	Member	9829288669	dinesh.shrimali@jrnrvu.edu.in
5.	Ms. Devika	Member	MCA IV Semester	--
6.	Mr. Faizal Khan	Member	MCA IV Semester	--

TEACHING STAFF

S.N.	NAME	DESIGNATION	QUALIFICATION
1	Prof. S.S. Sarangdevot	Professor	Ph.D. (CS)
2	Prof. Manju Mandot	Director & Professor	Ph.D., M.Sc. (CS)
3	Dr. Manish Shrimali	Professor	Ph.D., M. Tech. (CS)
4	Dr. Bharat Singh Deora	Coordinator & Sr. Asst. Prof.	Ph.D., M.Phil. (CS), M.Sc. (CS)
5	Dr. Gaurav Garg	Asst. Professor	Ph.D., M.Phil. (CS), M.Sc. (CS)
6	Dr. Dinesh Shrimali	Asst. Professor	Ph.D., M.Phil. (CS), M.Sc. (CS)
7	Dr. Pradeep Singh Shaktawat	Asst. Professor	Ph.D., M.Phil. (CS), MCA
8	Dr. Chandresh Chhatlani	Asst. Professor	Ph.D., M.Phil. (CS), M.Sc. (CS)
9	Dr. Tarun Shrimali	Asst. Professor	Ph.D., M.Tech (CS)
10	Dr. G.S. Rathore	Professor	Ph.D., MA
11	Ms. Priyanka Soni	Asst. Professor	MCA, NET
12	Mr. Dilip Choudhary	Asst. Professor	M.Phil. (CS), MCA
13	Dr. Lalit Salvi	Asst. Professor	Ph.D., M.Phil. (CS)
14	Mr. Pankaj Shrimali	Asst. Professor	M. Tech. (CS), M.Sc. (CS)
15	Ms. Mamta Rathore	Asst. Professor	M.Sc. (IT)
16	Ms. Divya Shrimali	Asst. Professor	M.Sc.(IT)
17	Mr. Mohd. Akram Khan	Asst. Professor	M.Phil(Cs), MCA
18	Mr. Zakir Hussian	Asst. Professor	MCA
19	Ms. Shivani Shrimali	Asst. Professor	M.Sc.(CS)
20	Mr. Roshan Garg	Lecturer	M.Sc. (CS)
21	Mr. Akhil Upadhay	Lecturer	M.Com.
22	Mr. Bhushan Soni	Lecturer	MBA
23	Mr. Shadab Khan	Project Officer	MCA

NON - TEACHING STAFF

S.No	NAME	DESIGNATION
1	Mrs. Kunjbala Sharma	LDC
2	Mr. B. L. Shrimali	LDC
3	Mr. Durga Shankar	LDC
4	Mr. Umar Farooq	LDC
5	Mr. Mukesh Shrimali	Librarian
6	Mr. Manoj Yadav	Lab. Assistant
7	Ms. Vijay Laxmi	LDC
8	Mrs. Hasina Bano	Book Lifter

संस्था गीत

ज्योतिर्मय यह देश हमारा ।

धवल हिमालय के ललाट पर अरुण–तिलक अति न्यारा–ज्योतिर्मय...

कोटि–कोटि संवत्सर से यह

चलता पथिक सनातन।

अन्धकारमय पतन–निशा में,

दीप्तिमान सपनों से पावन।।

पुण्य श्लोक यह श्रेय पंथ का कोटि–कोटि जनगण का प्यारा–ज्योतिर्मय...

महिमामय स्मृतियों से जगमग,

अजर–अमर यह चिर–चिर सुन्दर।

जगत वंद्य विश्रुत गरिमामय,

अगणित गुण गाथा से मनहर।।

यह पुराण नित–नूतन गतिमय, जीवन मरण सहारा–ज्योतिर्मय...

घोर मूर्छना में स्पन्दनमय,

जागृति में कम्पित पीड़ामय।

प्रतिभामय संघर्ष काल में,

आलोकित निर्माण काल में।।

सिंधु तरंगों सा गुंजनमय भारतवर्ष हमारा–ज्योतिर्मय...

उद्यत एक अखण्ड तेजमय,

अमित ओज में सदा शीलमय।

नितही मति, घृति, कृति में प्रभुमय

गहन निराशा में आशामय।।

सर्व–भूमि से भी बढ़कर यह नन्दन–विपिन हमारा–ज्योतिर्मय...

रचयिता–पं. जनार्दनराय नागर

![logo] **DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY**

Janardan Rai Nagar Rajasthan Vidyapeeth (Deemed-to-be University)

NAAC Accredited 'A' Grade

Pratap Nagar, Udaipur - 313003 Ph: 0294-2494217-227 Email: - dcsit.jrnrvu@gmail.com

Note : In Case of any discrepancy University decision will be Final.