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AMRITA VISHWA VIDYAPEETHAM, AMRITA SCHOOL OF ENGINEERING

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Pre-Qualifier Pro-forma for UG Engineering & Technology

Print

Insstiute Name: AMRITA VISHWA VIDYAPEETHAM, AMRITA SCHOOL OF ENGINEERING		**Program Name** : Computer Science & Engg.
Discipline: Engineering & Technology	**Level** : Under Graduate	**Tier**: 1

Program Specific Information

NAME OF PROGRAM	PROGRAM APPLIED LEVEL	START OF YEAR	YEAR OF AICTE APPROVAL	INITIAL INTAKE	INTAKE INCREASE	CURRENT INTAKE	ACCREDITATION STATUS	From	To	PROGRAM FOR CONSIDERATION	PROGRAM FOR Duration
B.Tech - Computer Science and Engineering	UG	1995	1995	30	Yes	360	Granted accreditation for 5 years for the period (specify period)	2002	2007	Yes	4

NAME OF PROGRAM	PROGRAM APPLIED LEVEL	START OF YEAR	YEAR OF AICTE APPROVAL	INITIAL INTAKE	INTAKE INCREASE	CURRENT INTAKE	ACCREDITATION STATUS	From	To	PROGRAM FOR CONSIDERATION	PROGRAM FOR Duration

Sanctioned Intake for Last Five Years for the B.Tech - Computer Science and Engineering	
Academic Year	Sanctioned Intake
2019-20	360
2018-19	360
2017-18	360
2016-17	360
2015-16	300
2014-15	300

NAME OF PROGRAM	PROGRAM APPLIED LEVEL	START OF YEAR	YEAR OF AICTE APPROVAL	INITIAL INTAKE	INTAKE INCREASE	CURRENT INTAKE	ACCREDITATION STATUS	From	To	PROGRAM FOR CONSIDERATION	PROGRAM FOR Duration
M.Tech - Computer Vision and Image Processing	PG	2003	2003	18	Yes	0	Eligible but not applied	--	--	No	2

Sanctioned Intake for Last Five Years for the M.Tech - Computer Vision and Image Processing	
Academic Year	Sanctioned Intake
2019-20	0
2018-19	0
2017-18	0
2016-17	25
2015-16	25
2014-15	25

NAME OF PROGRAM	PROGRAM APPLIED LEVEL	START OF YEAR	YEAR OF AICTE APPROVAL	INITIAL INTAKE	INTAKE INCREASE	CURRENT INTAKE	ACCREDITATION STATUS	From	To	PROGRAM FOR CONSIDERATION	PROGRAM FOR Duration
M.Tech - Artificial Intelligence and Data Science	PG	2019	2019	30	No	30	Not eligible for accreditation	--	--	No	2

NAME OF PROGRAM	PROGRAM APPLIED LEVEL	START YEAR	YEAR OF AICTE APPROVAL	INITIAL INTAKE	INTAKE INCREASE	CURRENT INTAKE	APPLICATION STATUS	From	--To	PROGRAM FOR CONSIDERATION	PROGRAM FOR Duration
M.Tech - Computer Science and Engineering	PG	2011	2011	24	Yes	30	Eligible but not applied	--	--	No	2

Sanctioned Intake for Last Five Years for the M.Tech - Computer Science and Engineering	
Academic Year	Sanctioned Intake
2019-20	30
2018-19	30
2017-18	24
2016-17	24
2015-16	24
2014-15	24

Student Admission

Student Admissions (Institute level considering all UG programs)

Item	2019-20	2018-19	2017-18	Total
Sanctioned Intake	1200	1080	1200	3480
Number of students admitted (Corresponding to sactioned intake)	1152	1074	1200	3426
% of Students Admitted over last three assessment years (Total Admitted/Sanctioned Intake)				98.45

Student Admissions (Program specific)

Item	2019-20	2018-19	2017-18	Total
Sanctioned Intake of the program (N)	360	360	360	1080
Number of students admitted (Corresponding to sactioned intake)	360	340	360	1060
% of Students Admitted over last three assessment years (Total Admitted/Sanctioned Intake)				98.15

Information of Faculty

Name	PAN No.	University Degree	Date of Receiving Highest Degree	Area of Specialization	Current Designation	Date (Designated as Prof/Assoc. Prof.).	Initial Date of Joining	Association Type	Currently Associated with(Yes/No)	In case of NO, Date of Leaving	IS HOD?
COL. KUMAR P.N.	ABKPP5030G	ME/M. Tech and PhD	23/08/2013	Agent Based Modeling Of Financial Markets, Data Analytics	Professor	17/08/2005	17/08/2005	Regular	Yes		Yes
LATHA PARAMESWARAN	ABNPL9048H	MCA and PhD	31/05/2008	Image Processing, Information Retrieval	Professor	01/07/2008	03/11/1999	Regular	Yes		No
RADHIKA NARAYANASAMY	ADAPN2680G	MCA and PhD	26/12/2008	Wireless Sensor Networks, Smart Grids	Professor	01/07/2015	09/08/2001	Regular	Yes		No
VIDHYA BALASUBRAMANIAN	AJFPV9743F	MS and PhD	20/03/2009	Information Systems, Cyber Physical Systems	Professor	01/01/2018	03/02/2009	Regular	Yes		No
SHUNMUGAVELAYUTHAM C	BJIPS4661K	M.Sc. and PhD	12/11/2005	Evolutionary Computing	Associate Professor	01/07/2011	01/08/2005	Regular	Yes		No
RAJATHILAGAM B	ADTPR3772J	ME/M. Tech and PhD	14/08/2013	Signal Processing, Computer Vision.	Associate Professor	01/07/2014	02/05/2000	Regular	Yes		No
JEYAKUMAR G	AEFPJ1289P	MCA and PhD	06/08/2013	Evolutionary Computing	Associate Professor	01/07/2014	12/05/2000	Regular	Yes		No
SENTHILKUMAR	BBDPS2318Q	ME/M. Tech	20/05/2013	Distributed	Associate	01/07/2014	25/06/2001	Regular	Yes		No

THANGAVEL		and PhD		Systems, Deep Learning, Video Analytics.	Professor							No
BAGAVATHI SIVAKUMAR.P.	AMKPS9043B	MS and PhD	02/05/2014	Predictive Analytics, Machine Learning	Associate Professor	01/07/2014	02/02/1996	Regular	Yes			No
PRASHANT R NAIR	AIMPP1625N	MBA	28/04/2000	ICT For Supply Chain, Business Analytics	Associate Professor	01/07/2015	19/04/2000	Regular	Yes			No
KARTHI R	AIFPK2675L	ME/M. Tech and PhD	10/02/2010	Data Mining, Evolutionary Computing	Associate Professor	11/07/2016	11/07/2016	Regular	Yes			No
SHYAMALA C.K	APLPS0164B	MCA and PhD	22/08/2015	Information Security, Distributed Storages	Associate Professor	01/01/2018	15/09/2000	Regular	No	08/12/2018	No
GANESH NEELAKANTA IYER	AICPG9676N	MS and PhD	31/12/2011	Cloud Computing, Game Theory	Associate Professor	24/05/2018	24/05/2018	Regular	Yes			No
KAMALAVENI VANJI GOUNDER	AIFPK4304A	M.E/M.Tech	13/05/2006	Image Processing, Database System.	Assistant Professor		01/09/1995	Regular	No	01/07/2019	No
N LALITHAMANI	ABQPL6257M	MCA and PhD	31/03/2017	Biometrics, Information Retrieval.	Assistant Professor		06/10/1998	Regular	Yes			No
THANGAVELU S	ACRPT8780D	MCA and PhD	21/08/2006	Evolutionary Algorithms, Database Systems	Assistant Professor		22/10/1998	Regular	Yes			No
HARINI N	ABJPH2692F	MCA and PhD	24/03/2016	Security, Web Technology	Assistant Professor		04/01/1999	Regular	Yes			No

VENKATARAMAN D	ACLPV7005P	ME/M. Tech and PhD	06/03/2014	Image Processing, FOSS	Assistant Professor		22/12/2000	Regular	Yes		No
NALINADEVI. K	ACKPN8428P	M.E/M.Tech	20/07/2006	Software Defined Networks, Information Retrieval	Assistant Professor		01/03/2000	Regular	Yes		No
SWAPNA T RAMACHANDRAN	AZBPS1554M	ME/M. Tech and PhD	02/05/2017	Medical Imaging, Machine Learning	Assistant Professor		08/08/2001	Regular	Yes		No
PADMAVATHI S	ALGPP0839B	ME/M. Tech and PhD	03/07/2015	Digital Image Processing, Pattern Recognition	Assistant Professor		19/01/2001	Regular	Yes		No
BINDU K.R	AEOPR1546J	M.E/M.Tech	22/08/2009	Information Retrieval, Grid Computing	Assistant Professor		05/07/2004	Regular	Yes		No
SENTHILKUMAR MATHI	BCPPS1499R	ME/M. Tech and PhD	16/06/2014	Mobile Networks, Vehicular Networks and Communication Security.	Assistant Professor		01/11/2004	Regular	Yes		No
MALATHI PONNUSAMY	ARYPP9509N	M.E/M.Tech	30/06/2012	Image Steganography, Image Processing	Assistant Professor		02/05/2005	Regular	Yes		No
SUBATHRA PALANIAPPAN	ARYPP9508P	M.E/M.Tech	30/06/2012	Machine Learning, Big Data Analytics, Information Retrieval.	Assistant Professor		18/05/2005	Regular	Yes		No
MANJUSHA R	ALGPR5911A	M.E/M.Tech	30/07/2013	Computer	Assistant		01/07/2005	Regular	Yes		No

				Vision and Image Processing	Professor					
SATHIYA R.R	BLVPS0260D	M.E/M.Tech	28/02/2011	Data Mining, Big Data Analytics, Cloud computing.	Assistant Professor		01/07/2005	Regular	Yes	No
ARUN KUMAR C	AIYPA2292G	ME/M. Tech and PhD	18/10/2019	Bioinformatics	Assistant Professor		18/08/2006	Regular	Yes	No
AARTHI R	AJBPA2591C	M.E/M.Tech	31/07/2006	Image Processing, Computer Vision	Assistant Professor		14/06/2006	Regular	Yes	No
SUJEE R	BQCPS0485C	M.E/M.Tech	04/06/2015	Image Processing, Video Processing	Assistant Professor		16/05/2007	Regular	Yes	No
BASKAR ARUMUGAM	APDPB9202R	M.E/M.Tech	30/07/2007	Computer Vision, Machine Learning	Assistant Professor		01/08/2007	Regular	Yes	No
SABARISH B A	BQLPS0185C	M.E/M.Tech	30/07/2010	Data Mining, Pattern Recognition	Assistant Professor		05/01/2007	Regular	Yes	No
ANANTHA NARAYANAN V	AAXPA9059N	ME/M. Tech and PhD	30/05/2017	Wireless Networks, Embedded Systems, IoT.	Assistant Professor		16/10/2007	Regular	Yes	No
BAGYAMMAL THIRUMURTHY	AOCPB2040R	M.E/M.Tech	30/07/2014	Image Processing, Computer Vision.	Assistant Professor		14/05/2007	Regular	Yes	No
BHARATHI DURAISAMY	APXPB1427J	M.E/M.Tech	30/07/2012	Image Processing,	Assistant Professor		03/03/2008	Regular	Yes	No

				Machine Learning							
ABIRAMI KERALAKANNAN	AMYPA2142H	M.E/M.Tech	30/07/2012	Network Security	Assistant Professor		03/03/2008	Regular	Yes		No
RAMYA G.RAJENDRAN	AOOPR5693E	M.E/M.Tech	30/12/2008	Predictive Analysis, Machine Learning.	Assistant Professor		02/06/2008	Regular	Yes		No
GOVINDARAJAN JAYAPRAKASH	AKKPJ3606M	ME/M. Tech and PhD	22/12/2018	Computer Networks, Wireless Networks.	Assistant Professor		02/06/2008	Regular	Yes		No
RAGHESH KRISHNAN K	ARDPK8948D	ME/M. Tech and PhD	21/11/2019	Image Analysis	Assistant Professor		19/05/2018	Regular	Yes		No
SHANMUGA PRIYA S	BXJPS8221E	M.E/M.Tech	30/07/2009	Pattern Recognition, Data Mining	Assistant Professor		17/01/2018	Regular	Yes		No
RADHIKA G	ASIPR6057J	M.E/M.Tech	13/11/2013	Wireless Sensor Networks	Assistant Professor		07/07/2008	Regular	Yes		No
PRATHILOTHAMAI R. MANIKANDAN	BDSPP3346L	M.E/M.Tech	30/07/2009	Big Data Semantic Web	Assistant Professor		24/11/2010	Regular	Yes		No
SINI RAJ P	BTFPS5210K	M.E/M.Tech	30/06/2011	Recommender System, Machine Learning, Natural Language Processing.	Assistant Professor		22/07/2011	Regular	Yes		No
SUMESH A K	COFPS5728L	M.E/M.Tech	16/10/2010	Embedded Systems.	Assistant Professor		20/06/2011	Regular	Yes		No
RAMYA U.M	BEVPR1781K	M.E/M.Tech	31/05/2010	Big data, Predictive	Assistant Professor		01/12/2011	Regular	Yes		No

				Analytics							
DHANYA MANGALLYA DHANALAKSHMY	BFYPD4342G	M.E/M.Tech	30/07/2011	Image Processing, Evolutionary Computing	Assistant Professor		22/09/2011	Regular	Yes		No
GOWTHAM R	AKFPR2752R	ME/M. Tech and PhD	29/11/2014	Web Security, Semantic Web, Internet Computing	Assistant Professor		19/05/2011	Regular	Yes		No
SHRIRAM K V	AFVPV2221E	ME/M. Tech and PhD	10/06/2015	Embedded Systems, AR/VR, IoT	Assistant Professor		02/05/2012	Regular	Yes		No
JEVITHA K.P	AMIPJ4246K	M.E/M.Tech	30/07/2009	Information Security	Assistant Professor		16/07/2012	Regular	Yes		No
ARCHANAA R	BFEPA4020C	M.E/M.Tech	30/07/2013	Machine Learning, Speech Processing.	Assistant Professor		06/06/2013	Regular	Yes		No
SIKHA O K	FAFPS5386K	M.E/M.Tech	30/07/2013	Computer Vision, Machine Learning	Assistant Professor		24/06/2013	Regular	Yes		No
PRAKASH P	ASCPP8934G	ME/M. Tech and PhD	15/04/2016	Cloud Computing, Big Data Analytics	Assistant Professor		20/05/2013	Regular	Yes		No
RITWIK M	ASUPR2059J	M.E/M.Tech	30/07/2013	Computer Malware Analysis, Threat Modeling, Privacty Preservation in Social Networks, Botnets	Assistant Professor		03/06/2013	Regular	Yes		No
ANUPA VIJAI	AGUPV8717H	M.E/M.Tech	30/07/2012	Image	Assistant		01/08/2013	Regular	Yes		No

				Processing, Computer Vision.	Professor						
ARCHANA DEVI R	AUTPR6996D	M.E/M.Tech	16/12/2013	Android Security, Information Security.	Assistant Professor		25/06/2013	Regular	Yes		No
DHANYA N M	AOYPD5534L	ME/M. Tech and PhD	26/05/2017	Cloud Computing, Machine Learning.	Assistant Professor		14/07/2014	Regular	Yes		No
ANISHA RADHAKRISHNAN	BIKPA4376C	M.E/M.Tech	29/06/2013	Image Processing, Evolutionary Computing	Assistant Professor		21/07/2014	Regular	Yes		No
DAYANAND V	ATRPV9517H	M.E/M.Tech	30/07/2013	Social Computing, Machine Learning.	Assistant Professor		11/08/2014	Regular	Yes		No
VIDHYA S	CDFPS3044G	M.E/M.Tech	29/11/2014	Social Computing, Graph Analytics	Assistant Professor		21/07/2014	Regular	Yes		No
GAYATHRI.V	BASPG0584L	M.E/M.Tech	30/07/2014	Image Processing	Assistant Professor		11/11/2014	Regular	Yes		No
VAMSEE KRISHNA KIRAN MUPPAVARAPU	BJPPK4730E	M.E/M.Tech	30/07/2013	Web Security, Semantic Web.	Assistant Professor		22/07/2014	Regular	Yes		No
SUCHITHRA M	EZVPS5352D	M.E/M.Tech	30/07/2013	Image Processing, Bioinformatics	Assistant Professor		21/07/2014	Regular	Yes		No
PRIYANKA KUMAR	CBKPP8802L	ME/M. Tech and PhD	06/10/2016	Distributed Computing	Assistant Professor		11/07/2016	Regular	Yes		No
SELVI C	ECGPS5949N	ME/M. Tech and PhD	20/12/2018	Machine Learning,	Assistant Professor		09/07/2018	Regular	Yes		No

			Predictive Analytics							
HEMA PARAMESWARA MENON	AHSPM0435C	ME/M. Tech and PhD	26/07/2016	Medical Imaging	Assistant Professor		03/04/2000	Regular	No	09/04/2018	No
DIVYA M	AOTPD9328P	M.E/M.Tech	29/06/2013	Distributed Computing	Assistant Professor		01/10/2007	Regular	No	18/11/2017	No
SHYMALADEVI	BWVPS9864A	ME/M. Tech and PhD	28/04/2017	Distributed Computing	Assistant Professor		20/06/2016	Contractual	No	01/07/2017	No
VENKATESAN R	AFKPV4205P	ME/M. Tech and PhD	03/03/2017	Cloud Computing	Assistant Professor		01/08/2016	Contractual	No	08/09/2017	No
SOWMYA V	ALCPV9531G	ME/M. Tech and PhD	06/07/2018	Image Processing, Machine Learning, Artificial Intelligence	Assistant Professor		01/07/2011	Regular	Yes		No
GOVIND D	BFBPG0490R	ME/M. Tech and PhD	26/06/2013	Speech Processing, computer Vision and Image Processing, Machine Learning, Deep Learning	Assistant Professor		01/08/2012	Regular	Yes		No
GIREESH KUMAR T	AHTPG3760F	ME/M. Tech and PhD	23/11/2011	Artificial Intelligence	Associate Professor	07/01/2014	02/06/2008	Regular	Yes		No
AMRITHA P P	AQXPA1462B	ME/M. Tech and PhD	17/10/2019	Cyber Security	Assistant Professor		17/07/2009	Regular	Yes		No
PRAVEEN K	BGMPP1152K	ME/M. Tech and PhD	16/10/2019	Cyber Security	Assistant Professor		02/09/2010	Regular	Yes		No

Designation	Number of faculty in the Department for both UG and PG *		
	2019-20	2018-19	2017-18

Designation	Number of faculty in the Department for both UG and PG *		
	2019-20	2018-19	2017-18
Professor	4(R) + 0(C)	4(R) + 0(C)	3(R) + 0(C)
Associate Professor	7(R) + 0(C)	7(R) + 0(C)	7(R) + 0(C)
Assistant Professor	54(R) + 0(C)	55(R) + 0(C)	53(R) + 0(C)
Number of Ph.D (as per the AICTE norms)	28	26	25

* At least one Professor or Associate professor with PhD. degree on regular basis should be available exclusively for the department of the program under consideration.

Student Faculty Ratio (No. of faculty as per the sanctioned intake)

UG

No. of UG Programs in the Department : 1

	B.Tech - Computer Science and Engineering					
Year of Study	**CAY**		**CAYm1**		**CAYm2**	
	(2019-20)		**(2018-19)**		**(2017-18)**	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
2nd Year	360	0	360	0	360	0
3rd Year	360	0	360	0	300	0
4th Year	360	0	300	0	300	0
Sub-Total	1080	0	1020	0	960	0
Total	1080		1020		960	

PG

No. of PG Programs in the Department : 3

M.Tech - Artificial Intelligence and Data Science			
Year of Study	**(2019-20)**	**(2018-19)**	**(2017-18)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	30	0	0
2nd Year	0	0	0
Total	30	0	0

M.Tech - Computer Science and Engineering			
Year of Study	**(2019-20)**	**(2018-19)**	**(2017-18)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	30	30	24
2nd Year	30	24	24
Total	60	54	48

M.Tech - Computer Vision and Image Processing			
Year of Study	**(2019-20)**	**(2018-19)**	**(2017-18)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	0	0	0
2nd Year	0	0	25
Total	0	0	25

SFR

No. of UG Programs in the Department : 1   **No. of PG Programs in the Department : 3**

Description	2019-20	2018-19	2017-18
Total No. of Students in the Department(S)	1170 **Sum total of all (UG+PG) students**	1074 **Sum total of all (UG+PG) students**	1033 **Sum total of all (UG+PG) students**
No. of Faculty in the Department(F)	65 **F1**	66 **F2**	63 **F3**
Student Faculty Ratio(SFR)	18.00 **SFR1=S1/F1**	16.27 **SFR2=S1/F1**	16.40 **SFR3=S3/F3**
Average SFR	16.89 **SFR=(SFR1+SFR2+SFR3)/3**		

F=Total Number of Faculty Members in the Department (excluding first year faculty)

Note: 75% should be Regular/full time faculty and the remaining shall be Contractual Faculty/Adjust Faculty/Resource persons from industry as per AICTE norms and standards. The contractual faculty will be considered for assessment only if a faculty is drawing a salary as prescribed by the concerened State Government for the contractual faculty in the respective cadre.

Placement Ratio

Year	No. of Students appeared in final year examination (N)	No. of Students Graduated out of Students appeared in final year examination(G)	Z = (No. of Students Placed + selected for higher studies + opted Entrepreneurship)	Placement Ratio(Z/N)
2018-19	286	262	239	.84
2017-18	297	275	231	.78
2016-17	350	339	285	.81
			Average Placement Ratio	.81
			Percentage	81

Compliance Status to Pre-visit Qualifiers - Essential qualifiers

Sr. No	Discipline	Currrent status	Compliance Status Complied/Not Complied
1	Vision, Mission & PEOs i. Are the Vision & Mission of the Department stated in the Prospectus / Website? ii. Are the PEOs of the Program listed in the Prospectus / Website?	Yes	Complied
2	Whether approval of the competent authority (Approval of AICTE/ UGC/ BoG of Universities/ Deemed Universities etc.) for the programs under consideration has been obtained for all the years including current year	Yes	Complied
3	Whether admissions in the undergraduate programs at the Institute level has been more than or equal to 60% *average of the previous three academic years including Current Academic Year	Yes	Complied
4	Whether admissions in the undergraduate programs under consideration has been more than or equal to 60%**average of the previous three academic years including Current Academic Year	Yes	Complied
5	Whether faculty student ratio in the department under consideration is better than or equal to 1:25 averaged over previous three academic years including Current academic Year.	Yes	Complied
6	Whether at least two Professors or one Professor and one Associate Professor on regular basis with Ph.D. degree is available in the respective Department for previous two academic years including the Current Academic Year.	Yes	Complied
7	Whether number of available Ph.Ds. in the department is greater than or equal to 20% of the required number of faculty averaged for previous two academic years including Current Academic Year.	Yes	Complied
8	Whether two batches have passed out in the programs under consideration	Yes	Complied
9	Whether HODs possess Ph.D. degrees for the programs under consideration	Yes	Complied

Declaration

i)I hereby certify that the information provided in the pre-qualifier is true and correct to the best of my know ledge. In case, it is found that institution has deliberately provided false/incorrect information, the NBA reserves the right to take necessary action as per its rules and procedures.

ii (a). I hereby confirm that the departments has programs assessment and quality improvement committee;

iii (a). I hereby certify that the department under the consideration receives separately earmarked funds for

i. Maintenance of laboratory/computational facilities(recurring funds)

ii. Up-gradation of laboratory/computation facilities (non-recurring funds)