CRITERION 5

SI. NO	FACULTY INFORMATION AND CONTRIBUTIONS	MARKS (200)	PAGE NO.
5.1	Student-Faculty Ratio (SFR)	20	228
5.2	Faculty Cadre Proportion	25	231
5.3	Faculty Qualifications	25	232
5.4	Faculty Retention	25	232
5.5	Innovations by the Faculty in Teaching and	20	233
5.6	Faculty as participants in Faculty	15	267
5.7	Research and Development	30	269
5.8	Faculty Performance Appraisal and Development	30	277
5.9	Visiting/Adjunct/Emeritus Faculty etc.	10	280
		200	

CRITERION 5	FACULTY INFORMATION AND CONTRIBUTIONS	200

FACULTY NAME LIST-2021-2022

Name of the Faculty Member	Degree (highest degree)	University	Year of attaining higher qualification	Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Research Paper Publications	Ph. D. Guidance	Faculty Receiving Ph.D. during the Assessment Years	Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No")	Nature of Association (Regular/ Contract)
Dr.GEETHA R	Ph.D	Vel Tech University	13-04-2017	Y	Professor	13-04-2017	22-06-2001	CSE	Machine Learning	6	YES	2017	YES	Regular
Dr.VEENA S	Ph.D	Sathyabama Univ	30-04-2016	Y	Professor	03-05-2016	01-06-2001	CSE	Data Mining	3	NA	2016	31-05-2022	Regular
Dr.DINAKARAN K	Ph.D	Anna University	30-04-2010	Y	Professor	20-03-2020	20-03-2020	CSE	Web Mining	3	YES	2010	YES	Regular
Dr.JAYANTHI G	Ph.D	SathyabamaUniv	30-04-2016	Y	Professor	05-08-2020	05-08-2020	CSE	Machine Learning	1	NA	2016	31-05-2022	Regular
Dr.HEMANAND D	Ph.D	Anna University	13-04-2017	Y	Professor	28.03.2022	28.03.2022	CSE	Big Data Analytic	0	NA	2017	YES	Regular
Dr.SIVAKUMAR S	Ph.D	St.peters University	30-04-2018	Y	Associate Professor	03-08-2020	03-08-2020	CSE	Theory Of Computation	2	NA	2018	YES	Regular
Dr.PREETHA M	Ph.D	Anna University	13-04-2017	Y	Associate Professor	07-04-2017	18-06-2012	CSE	Wireless Sensor Network	1	NA	2017	29.07.2021	Regular
Dr.SIVA SUBRAMANIAN R	Ph.D	Anna University	30-04-2022	Y	Associate Professor	23-02-2022	23-02-2022	CSE	Machine Learning	1	NA	2022	YES	Regular

Dr.CHITRA DEVI D	Ph.D	Anna University	25-08-2020	Y	Associate Professor	28.03.2022	28.03.2022	CSE	Cloud Computing	1	NA	2020	YES	Regular
Mr.BALAKRISHNAN C	M.E	Anna University	30-04-2008	Y	Associate Professor	01-08-2012	01-06-2001	CSE	Machine Learning	3	NA	NA	YES	Regular
Mr.MANI A	M.E	Anna University	30-04-2011	Y	Associate Professor	01-08-2013	17-06-2005	CSE	Web Technology	1	NA	NA	YES	Regular
Mr.BALASUBRAMANIAN M	M.E	Anna University	28-04-2017	Y	Associate Professor	01-06-2018	20-06-2008	CSE	Machine Learning	1	NA	NA	YES	Regular
Mr.MUTHUKUMARASWAMY S	M.E	Anna University	30-04-2011	Y	Associate Professor	01-06-2018	20-08-2010	CSE	Networking	4	NA	NA	YES	Regular
Ms.SARASWATHI V	M.Tech	PRIST University	30-04-2011	Y	Assistant Professor	NA	04-06-2015	CSE	Web Technology	1	NA	NA	YES	Regular
Mr.PRABHU S	M.Tech	SRM University	30-04-2013	Y	Assistant Professor	NA	21-06-2010	CSE	Networking	2	NA	NA	YES	Regular
Ms.RAMYADEVI K	M.Tech	SRM University	30-04-2015	Y	Assistant Professor	NA	16-06-2014	CSE	Compiler Design	2	NA	NA	30.10.2021	Regular
Ms.SANGEETHA J	M.E	Anna University	30-04-2011	Y	Assistant Professor	NA	01-07-2011	CSE	Compiler Design	1	NA	NA	YES	Regular
Ms.SUREKA V	M.Tech	Sathyabama Univ	30-04-2013	Y	Assistant Professor	NA	12-06-2013	CSE	Cloud Computing	2	NA	NA	YES	Regular
Ms.ARUNA K B	M.E	Anna University	30-04-2012	Y	Assistant Professor	NA	12-06-2013	CSE	Cloud Computing	2	NA	NA	YES	Regular
Ms.JAYANTHI K	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	25-07-2013	CSE	Big Data Analytics	1	NA	NA	YES	Regular
Ms.SUDHA L	M.E	Anna University	30-04-2013	Y	Assistant	NA	16-06-2014	CSE	Big Data Analytics	1	NA	NA	YES	Regular

					Professor									
Ms.SREEVANI R G	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	16-06-2014	CSE	Cloud Computing	1	NA	NA	YES	Regular
Ms.RUBASUDHA P	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	16-06-2014	CSE	Network Security	1	NA	NA	YES	Regular
Ms.ELAVARASI K	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	06-08-2014	CSE	Artificial Intelligence	1	NA	NA	31-08-2021	Regular
Ms.PADMAVATHY T	M.E	Anna University	30-04-2016	Y	Assistant Professor	NA	22-06-2016	CSE	Cloud Computing	1	NA	NA	31-05-2022	Regular
Ms.GUNANANDHINI S	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	15-06-2016	CSE	Artificial Intelligence	1	NA	NA	YES	Regular
Ms.THILAGAM T	M.E	St.Peters University	30-04-2012	Y	Assistant Professor	NA	21-08-2017	CSE	Grid Computing	2	NA	NA	YES	Regular
Ms.ANANTHI S N	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	09-08-2017	CSE	Big Data Analytics	1	NA	NA	YES	Regular
Mr.KALIRAJ V	M.Tech	SRM University	30-04-2013	Y	Assistant Professor	NA	01-08-2019	CSE	Cloud Computing	2	NA	NA	YES	Regular
Ms.SUNTHEYA A K	M.E	Anna University	30-04-2019	Y	Assistant Professor	NA	05-08-2020	CSE	Compiler Design	1	NA	NA	YES	Regular
Ms.SATHYA V	M.Tech	PRIST University	17-05-2013	Y	Assistant Professor	NA	01-04-2020	CSE	Compiler Design	3	NA	NA	31.05.2022	Regular
Ms.ADAIKKAMMAI A	ME	Anna University	30-04-2012	Y	Assistant Professor	NA	04-06-2021	CSE	Artificial Intelligence	0	NA	NA	YES	Regular
Ms.PREMA P	ME	Anna University	30-04-2010	Y	Assistant Professor	NA	04-06-2021	CSE	Compiler Design	0	NA	NA	YES	Regular

Mr.NATTESHAN N V S	ME	Anna University	30-04-2014	Y	Assistant Professor	NA	04-06-2021	CSE	Theory Of Computation	2	NA	NA	YES	Regular
Ms.SHOBANA R	ME	Anna University	06-06-2011	Y	Assistant Professor	NA	04-06-2021	CSE	Artificial Intelligence	0	NA	NA	YES	Regular
Ms.GAYATHRI S	ME	Anna University	21-06-2017	Y	Assistant Professor	NA	04-06-2021	CSE	Networking	0	NA	NA	YES	Regular
Ms.ALOYSIE ANISHA T	ME	Anna University	30-04-2021	Y	Assistant Professor	NA	07-06-2021	CSE	Big Data Analytics	1	NA	NA	31-05-2022	Regular
Ms.KAVITHA V	ME	Anna University	30-04-2015	Y	Assistant Professor	NA	07-06-2021	CSE	Artificial Intelligence	1	NA	NA	YES	Regular
Mr.NITHYANANDHAN R	ME	Anna University	28-04-2017	Y	Assistant Professor	NA	07-06-2021	CSE	Data Mining	0	NA	NA	YES	Regular
Ms.LAKSHMIPRIYA C	ME	Hindustan University	30-04-2013	Y	Assistant Professor	NA	07-06-2021	CSE	Web Technology	0	NA	NA	YES	Regular
Ms.ARUMAI SHINY S	ME	Anna University	30-04-2008	Y	Assistant Professor	NA	07-06-2021	CSE	Network Security	1	NA	NA	YES	Regular
Ms.RAJALAKSHMI J	ME	Anna University	30-04-2020	Y	Assistant Professor	NA	01-07-2021	CSE	Networking	0	NA	NA	YES	Regular
Ms.BELSHIA JEBAMALAR G	ME	Anna University	30-04-2021	Y	Assistant Professor	NA	01-07-2021	CSE	Data Mining	0	NA	NA	YES	Regular
Ms.GIRIJA P	ME	Anna University	30-04-2014	Y	Assistant Professor	NA	12-07-2021	CSE	Compiler Design	0	NA	NA	YES	Regular
Mr.SWAMINATHAN K	ME	Anna University	01-06-2015	Y	Assistant Professor	NA	07-02-2022	CSE	Cloud Computing	1	NA	NA	YES	Regular
Ms.ANITA M	ME	PRIST	30-04-2013	Y	Assistant	NA	16-02-2022	CSE	Data Mining	0	NA	NA	YES	Regular

		University			Professor									

FACULTY NAME LIST-2020-2021

Name of the Faculty Member	Degree (highest degree)	University	Year of attaining higher qualification	Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during the Assessment Years	Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No")	Nature of Association (Regular/ Contract)
Dr.GEETHA R	Ph.D	Vel tech Univ	13-04-2017	Y	Professor	13-04-2017	22-06-2001	CSE	Machine Learning	7	-	2017	YES	Regular
Dr.VEENA S	Ph.D	Sathyabama Univ	30-04-2016	Y	Professor	03-05-2016	01-06-2001	CSE	Data Mining	0	-	2016	YES	Regular
Dr.DINAKARAN K	Ph.D	Anna University	30-04-2010	Y	Professor	20-03-2020	20-03-2020	CSE	Web Mining	0	YES	2010	YES	Regular
Dr.JAYANTHI G	Ph.D	SathyabamaUniv	30-04-2016	Y	Professor	05-08-2020	05-08-2020	CSE	Machine Learning	7	-	2016	YES	Regular
Dr.AHMED MUDASSAR ALI	Ph.D	Bharath Univ	13-04-2017	Y	Professor	01-06-2018	01-06-2001	CSE	Artificial Intelligence	0	-	2017	03-08-2020	Regular
Dr.SUBRAMANIAM M	Ph.D	Anna University	30-04-2013	Y	Professor	28-01-2014	28-01-2014	CSE	Artificial Intelligence	0	YES	2013	03-08-2020	Regular
Dr.SIVAKUMAR S	Ph.D	St.peter's University	30-04-2018	Y	Associate Professor	03-08-2020	03-08-2020	CSE	Theory Of Computation	0	-	2018	YES	Regular
Dr.PREETHA M	Ph.D	Anna University	13-04-2017	Y	Associate Professor	07-04-2017	18-06-2012	CSE	Wireless Sensor Network	1	-	2017	YES	Regular
Mr.BALAKRISHNAN C	M.E	Anna University	30-04-2008	Y	Associate Professor	01-08-2012	01-06-2001	CSE	Machine Learning	1	NA	NA	YES	Regular

Mr.MANI A	M.E	Anna University	30-04-2011	Y	Associate Professor	01-08-2013	17-06-2005	CSE	Web Technology	1	NA	NA	YES	Regular
Ms.USHA N S	M.E	Anna University	30-04-2008	Y	Associate Professor	01-08-2012	17-06-2005	CSE	Operating System	2	NA	NA	30-04-2021	Regular
Mr.BALASUBRAMANIAN M	M.E	Anna University	28-04-2017	Y	Associate Professor	01-06-2018	20-06-2008	CSE	Machine Learning	0	NA	NA	YES	Regular
Ms.VINODHA D	M.E	Anna University	30-04-2011	Y	Associate Professor	01-08-2014	15-06-2011	CSE	Compiler Dsign	2	NA	NA	31-04-2021	Regular
Mr.MUTHUKUMARASWAMY S	M.E	Anna University	30-04-2011	Y	Associate Professor	01-06-2018	20-08-2010	CSE	Networking	0	NA	NA	YES	Regular
Ms.SARASWATHI V	M.Tech	PRIST UNIV	30-04-2011	Y	Associate Professor	06-01-2020	04-06-2015	CSE	Web Technology	0	NA	NA	YES	Regular
Mr.PRABHU S	M.Tech	SRM UNIV	30-04-2013	Y	Assistant Professor	NA	21-06-2010	CSE	Networking	0	NA	NA	YES	Regular
Ms.RENUKADEVI K	ME	Anna University	30-04-2015	Y	Assistant Professor	NA	02.05.2011	CSE	Compiler Design	0	NA	NA	30-04-2021	Regular
Ms.RAMYADEVI K	M.Tech	SRM UNIV	30-04-2015	Y	Assistant Professor	NA	16.06.2014	CSE	Compiler Design	2	NA	NA	YES	Regular
Ms.SANGEETHA J	M.E	Anna University	30-04-2011	Y	Assistant Professor	NA	01-07-2011	CSE	Compiler Design	0	NA	NA	YES	Regular
Ms.SAJINI S	M.E	Anna University	30-04-2011	Y	Assistant Professor	NA	14-06-2012	CSE	Computer Architecture	1	NA	NA	31-04-2021	Regular
Ms.SUREKA V	M.Tech	Sathyabama Univ	30-04-2013	Y	Assistant Professor	NA	12-06-2013	CSE	Cloud Computing	0	NA	NA	YES	Regular
Ms.ARUNA K B	M.E	Anna University	30-04-2012	Y	Assistant Professor	NA	12-06-2013	CSE	Computer Architecture	0	NA	NA	YES	Regular
Ms.JONISHA S	M.E	Anna University	30-04-2012	Y	Assistant Professor	NA	12-06-2013	CSE	Grid Computing	0	NA	NA	30-04-2021	Regular
Ms.JAYANTHI K	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	25-07-2013	CSE	Big Data Analytics	0	NA	NA	YES	Regular
Ms.SUDHA L	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	16-06-2014	CSE	Big Data Analytics	1	NA	NA	YES	Regular

Ms.SREEVANI R G	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	16-06-2014	CSE	Cloud Computing	0	NA	NA	YES	Regular
Ms.RUBASUDHA P	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	16-06-2014	CSE	Network Security	0	NA	NA	YES	Regular
Ms.ELAVARASI K	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	06-08-2014	CSE	Artificial Intelligence	0	NA	NA	YES	Regular
Ms.PADMAVATHY T	M.E	Anna University	30-04-2016	Y	Assistant Professor	NA	22-06-2016	CSE	Cloud Computing	0	NA	NA	YES	Regular
Ms.GUNANANDHINI S	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	15-06-2016	CSE	Artificial Intelligence	0	NA	NA	YES	Regular
Ms.THILAGAM T	M.E	Anna University	30-04-2012	Y	Assistant Professor	NA	21-08-2017	CSE	Grid Computing	0	NA	NA	YES	Regular
Ms.ANANTHI S N	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	09-08-2017	CSE	Big Data Analytics	0	NA	NA	YES	Regular
Mr.KALIRAJ V	M.Tech	SRM UNIV	30-04-2013	Y	Assistant Professor	NA	01-08-2019	CSE	Cloud Computing	0	NA	NA	YES	Regular
Mr.MUTHUGURUNATHAN.G	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	15-07-2019	CSE	Network Security	0	NA	NA	30-04-2021	Regular
Ms.CYNTHIA SHERIN.B	M.E	Anna University	30-04-2018	Y	Assistant Professor	NA	16-12-2019	CSE	Networking	0	NA	NA	30-04-2021	Regular
Ms.SUNTHEYA A K	M.E	Anna University	30-04-2019	Y	Assistant Professor	NA	05-08-2020	CSE	Compiler Design	0	NA	NA	YES	Regular
Ms.SATHYA V	M.Tech	PRIST UNIV	17-05-2013	Y	Assistant Professor	NA	01-04-2020	CSE	Compiler Design	7	NA	NA	YES	Regular

FACULTY NAME LIST-2019-2020

Name of the Faculty Member	Degree (highest degree)	University	Year of attaining higher qualification	Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Research Paper Publications	Ph. D. Guidance	Faculty Receiving Ph.D. during the Assessment Years	Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No")	Nature of Association (Regular/ Contract)
Dr.GEETHA R	Ph.D	Vel Tech Univ	13-04-2017	Y	Professor	13-04-2017	22-06-2001	CSE	Machine Learning	6	-	2017	YES	Regular
Dr.MARY ANITA E.A	Ph.D	Anna University	30.04.2011	Y	Professor	01.10.2012	01.10.2012	CSE	Network Security	1	13	2011	16.09.2019 (Tr)	Regular
Dr.VEENA S	Ph.D	Sathyabama Univ	30-04-2016	Y	Professor	03-05-2016	01-06-2001	CSE	Data Mining	12	-	2016	YES	Regular
Dr.AHMED MUDASSAR ALI	Ph.D	Bharath Univ	13-04-2017	Y	Professor	01-06-2018	01-06-2001	CSE	Artificial Intelligence	1	-	2017	YES	Regular
Dr.SUBRAMANIAM M	Ph.D	Anna University	30-04-2013	Y	Professor	28-01-2014	28-01-2014	CSE	Artificial Intelligence	2	YES	2013	YES	Regular
Dr.DINAKARAN K	Ph.D	Anna University	30-04-2010	Y	Professor	20-03-2020	20-03-2020	CSE	Web Mining	0	YES	2010	YES	Regular
Dr.PREETHA M	Ph.D	Anna University	13-04-2017	Y	Associate Professor	07-04-2017	18-06-2012	CSE	Wireless Sensor Network	2	-	2017	YES	Regular
Mr.BALAKRISHNAN C	M.E	Anna University	30-04-2008	Y	Associate Professor	01-08-2012	01-06-2001	CSE	Machine Learning	1	NA	NA	YES	Regular
Mr.MANI A	M.E	Anna University	30-04-2011	Y	Associate Professor	01-08-2013	17-06-2005	CSE	Web Technology	0	NA	NA	YES	Regular
Ms.USHA N S	M.E	Anna University	30-04-2008	Y	Associate Professor	01-08-2012	17-06-2005	CSE	Operating System	1	NA	NA	YES	Regular
Mr.BALASUBRAMANIAN M	M.E	Anna University	28-04-2017	Y	Associate Professor	01-06-2018	20-06-2008	CSE	Machine Learning	1	NA	NA	YES	Regular
Ms.VINODHA D	M.E	Anna University	30-04-2011	Y	Associate Professor	01-08-2014	15-06-2011	CSE	Compiler Design	2	NA	NA	YES	Regular
Mr.MUTHUKUMARASWAMY S	M.E	Anna University	30-04-2011	Y	Associate Professor	01-06-2018	20-08-2010	CSE	Networking	0	NA	NA	YES	Regular

Ms.SARASWATHI V	M.Tech	PRIST UNIV	30-04-2011	Y	Associate Professor	06-01-2020	04-06-2015	CSE	Web Technology	1	NA	NA	YES	Regular
Mr.PRABHU S	M.Tech	SRM UNIV	30-04-2013	Y	Assistant Professor	NA	21-06-2010	CSE	Networking	0	NA	NA	YES	Regular
Ms.RENUKADEVI K	ME	Anna University	30-04-2015	Y	Assistant Professor	NA	02.05.2011	CSE	Compiler Design	1	NA	NA	YES	Regular
Ms.RAMYADEVI K	M.Tech	SRM UNIV	30-04-2015	Y	Assistant Professor	NA	16-06-2014	CSE	Compiler Design	1	NA	NA	YES	Regular
Ms.SANGEETHA J	M.E	Anna University	30-04-2011	Y	Assistant Professor	NA	01-07-2011	CSE	Compiler Design	0	NA	NA	YES	Regular
Ms.SAJINI S	M.E	Anna University	30-04-2011	Y	Assistant Professor	NA	14-06-2012	CSE	Computer Architecture	2	NA	NA	YES	Regular
Ms.SUREKA V	M.Tech	Sathyabama Univ	30-04-2013	Y	Assistant Professor	NA	12-06-2013	CSE	Cloud Computing	1	NA	NA	YES	Regular
Ms.ARUNA K B	M.E	Anna University	30-04-2012	Y	Assistant Professor	NA	12-06-2013	CSE	Cloud Computing	1	NA	NA	YES	Regular
Ms.JONISHA S	M.E	Anna University	30-04-2012	Y	Assistant Professor	NA	12-06-2013	CSE	Grid Computing	0	NA	NA	YES	Regular
Ms.JAYANTHI K	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	25-07-2013	CSE	Big Data Analytics	0	NA	NA	YES	Regular
Ms.SUDHA L	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	16-06-2014	CSE	Big Data Analytics	3	NA	NA	YES	Regular
Ms.SREEVANI R G	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	16-06-2014	CSE	Cloud Computing	0	NA	NA	YES	Regular
Ms.RUBASUDHA P	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	16-06-2014	CSE	Network Security	0	NA	NA	YES	Regular
Ms.ELAVARASI K	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	06-08-2014	CSE	Artificial Intelligence	2	NA	NA	YES	Regular
Ms.PADMAVATHY T	M.E	Anna University	30-04-2016	Y	Assistant Professor	NA	22-06-2016	CSE	Cloud Computing	1	NA	NA	YES	Regular
Ms.GUNANANDHINI S	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	15-06-2016	CSE	Artificial Intelligence	0	NA	NA	YES	Regular
Mr.RAJKAMAL J	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	17-07-2017	CSE	Computer Programming	0	NA	NA	30.04.2020	Regular
Ms.THILAGAM T	M.E	St Peter's UNIV	30-04-2012	Y	Assistant Professor	NA	21-08-2017	CSE	Grid Computing	0	NA	NA	YES	Regular
Ms.ANANTHI S N	M.E	Anna University	30-04-2013	Y	Assistant Professor	NA	09-08-2017	CSE	Big Data Analytics	1	NA	NA	YES	Regular

Mr.KALIRAJ V	M.Tech	SRM UNIV	30-04-2013	Y	Assistant Professor	NA	01-08-2019	CSE	Cloud Computing	0	NA	NA	YES	Regular
Mr.MUTHU GURUNATHAN.G	M.E	Anna University	30-04-2014	Y	Assistant Professor	NA	15-07-2019	CSE	Network Security	1	NA	NA	YES	Regular
Ms.CYNTHIA SHERIN.B	M.E	Anna University	30-04-2018	Y	Assistant Professor	NA	16-12-2019	CSE	Networking	0	NA	NA	YES	Regular
Ms.SATHYA V	M.Tech	PRIST UNIV	17-05-2013	Y	Assistant Professor	NA	01-04-2020	CSE	Compiler Design	0	NA	NA	YES	Regular

5.1 Student-Faculty Ratio (SFR) (20)

No. of UG Programs in the Department (n): 01

No. of PG Programs in the Department (m): 01

B.E (CSE)

No. of Students in UG 2nd Year= **180**

No. of Students in UG 3rd Year= **180**

No. of Students in UG 4th Year= **180**

M.E (CSE)

No. of Students in PG 1st Year= **18**

No. of Students in PG 2nd Year= **18**

No. of Students = Sanctioned Intake + Actual admitted lateral entry students

S=Number of Students in the Department = UG1+UG2+UG3+PG1+PG2

F = Total Number of Faculty Members in the Department

Table 5.1: Student Faculty Ratio

STUDENTS COUNT (Year wise)	CAY (2021-2022)		CAYm1 (2020-2021)		CAYm2 (2019-2020)	
	Sanction Intake	Actual admitted lateral entry students	Sanction Intake	Actual admitted lateral entry students	Sanction Intake	Actual admitted lateral entry students
u1.1(UG 2nd Year)	180	12	180	5	180	6
u1.2 (UG 3rd Year)	180	5	180	6	180	4
u1.3 (UG 4th Year)	180	6	180	4	180	1
	540	23	540	15	540	11
UG1(u1.1+u1.2+u1.3)	**563**		**555**		**551**	
P1.1(PG 1st Year)	18	NA	18	NA	18	NA
P.1.2 (PG 2nd Year)	18	NA	18	NA	18	NA
PG1(p1.1+ p1.2)	**36**		**36**		**36**	
Total No. of Students in the Department (S) (UG1+UG2+PG1)	**599**		**591**		**587**	
No. of Faculty in the Department (F)	**38**		**35**		**33**	
Student Faculty Ratio (SFR=S/F)	**15.8**		**16.9**		**17.8**	
Average SFR	**16.8**					

5.1.1 Provide the information about the regular and contractual faculty as per the format mentioned below:

Table 5.1.1: Regular and Contractual faculty

Year	Total number of regular faculty in the department	Total number of contractual faculty in the department
2021-2022	38	NIL
2020-2021	35	NIL
2019-2020	33	NIL

5.2 Faculty Cadre Proportion (25)

The reference Faculty cadre proportion is 1(F1): 2(F2): 6(F3)

F1: Number of Professors required = 1/9 x Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F2: Number of Associate Professors required = 2/9 x Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F3: Number of Assistant Professors required = 6/9 x Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

Table B.5.2: Faculty Cadre Proportion

YEAR	Professor		Associate Professor		Assistant Professor	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY (2021-2022)	3	4	7	8	20	26
CAY m1 (2020-2021)	3	4	6	8	20	23
CAY m2 (2019-2020)	3	4	6	7	20	22
AVERAGE	RF1=3	AF1=4	RF2=6.3	AF2=7.7	RF3=20	AF3=23.7

Cadre Ratio Marks = ((AF1/RF1) + (AF2 /RF2 x 0.6) + (AF3/RF3 x 0.4)) x 12.5

= ((4/3) + (8.0/6.5x 0.6) + (25.25/20 x 0.4)) x 12.5

= ((1.33) + (0.73) + (0.47)) x 12.5

=31.66

5.3. Faculty Qualification (20)

FQ = 2.0 x [(10X +4Y)/F)]

Where x is no. of regular faculty with Ph.D.,

Y is no. of regular faculty with M. Tech.,

F is no. of regular faculty required to comply 20:1,15:1

Faculty Student ratio (no. of faculty and no. of students required are to be calculated as per 5.1)

Table B.5.3: Faculty Qualification

YEAR	X	Y	F	FQ=2.5 x [(10X +4Y)/F)]
CAY(2021-2022)	9	29	30	17.2
CAY m1 (2020-2021)	8	27	29	16.2
CAY m2 (2019-2020)	7	26	29	15.0
Average Assessment				**16.7**

5.4 Faculty Retention (25)

No. of regular faculty members in CAY (2021-2022) =38

No. of regular faculty members in CAYm1 (2020-2021) =35

No. of regular faculty members in CAYm2 (2019-2020) =33

Table B.5.4: Faculty Retention

CAYm2(2019-2020)	CAYm1(2020-2021)	**CAY(2021-2022)**	Retention %
Faculty Count: 35	Faculty Retained: 34	Faculty Retained: 23	23/35= **65.7%**

CAYm2(2018-2019)	CAYm1(2019-2020)	**CAY(2020-2021)**	Retention %
Faculty Count: 30	Faculty Retained: 28	Faculty Retained: 27	27/30= **90%**

5.5 Innovations by the Faculty in Teaching and Learning (20)

Innovations by the Faculty in teaching and learning shall be summarized as per the following description.

Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction.

Any contributions to teaching and learning should satisfy the following criteria:

- The work must be made available on Institute website
- The work must be available for peer review and critique
- The work must be reproducible and developed further by other scholars

The Department/Institution may set up appropriate processes for making the contributions available to the public, getting them reviewed and for rewarding. These may typically include statement of clear goals, adequate preparation, use of appropriate methods, and significance of results, effective presentation and reflective critique.

In the Department of Computer Science and Engineering, much importance is given for incorporating innovative techniques in teaching. At college level, in the beginning of every semester a faculty development program to create and promote the innovation techniques are conducted. Every class room in the Department is equipped with Projector, Black board and also white board. Every Class room is equipped with LCD Projectors. Faculty members use the LCD Projectors for their presentations. In most of the class rooms, smart boards are also there and faculty members use these aids to take the teaching learning process to the next level. Apart from this the faculty members encourage the students to participate in Group discussions, team-based activities, presentations etc.

Summary of Innovative Teaching techniques in Teaching Learning Process

S.NO	Innovations by the Faculty in Teaching and Learning	DESCRIPTION
TL1	PROJECT BASED LEARNING	Project based learning was implemented for selected theory and lab courses. It was adapted through Design project ,Project based learning for programming subjects and Project Exhibitions
TL2	EXPERIENTIAL (IBM) PROJECT-BASED LEARNING (NALAYA THIRAN)	Students are allowed to choose the project title based on the Project. The students work in groups of four to complete projects using agile approaches and with the aid of faculty and industry mentors. Faculties and students are trained in this Program
TL3	PEER LEARNING	Peer learning essentially refers to students learning with and from each other as fellow learners without any implied authority to any individual
TL4	GLOBAL CERTIFICATION COURSES & CLUB DETAILS	The students are motivated to be part of the Various Coding hubs and Hackathon contests to sharpen their coding skills
TL5	VIDEO LECTURES	A video capturing facility is available in the institute to facilitate the faculty members to record their video lectures. The students can watch the recorded videos at their own convenience. Students are also motivated to follow the lectures uploaded by experts from academia on the web platforms like NPTEL.
TL6	TEAM-BASED LEARNING	Team-based learning (TBL) provides an active, structured form of small group learning that can be applied to large classes. Student accountability is achieved through the specific steps of TBL, including pre-class preparation, readiness assurance testing, problem-solving activities, and immediate feedback
TL7	VIRTUAL LAB	Teaching through a virtual lab is implemented.
TL8	INQUIRY-BASED LEARNING	The inquiry-based learning (IBL) is that it starts from a place of questioning. Students may spontaneously ask questions or be prompted to ask questions about a particular topic. They might research to find answers, engage in activities that will help them pursue answers, or work collaboratively in pursuit of answers; regardless, all learning stems from these questions.
TL9	ACTIVITY-BASED TEACHING& LEARNING PROCESS	Activity based teaching is a methodology to emphasize the technique of teaching through action in which the learners take interest comprehensively and realize effective learning practices. Activity based Learning can be imparted in a

		number of ways.
TL10	**AICTE-PARAKH-PROGRAM**	All India Council for Technical Education (AICTE) is going to implement a large-scale program to assess and improve the skills of engineering students in India in AICTE Approved Technical Institutions across the country. In respect of analysis, each of the online assessments (including those testing academic skills and those testing higher order thinking skills) may be used for comparing student outcome.
TL11	**GOOGLE CLASS ROOM**	The GOOGLE CLASS ROOM is also used for subjects to effective maintain course ware and post the assignments and quizzes.
TL12	**NAAN MUDHALVAN**	"Nan Mudhalvan" is a massive industry relevant skill enhancement initiative. Faculties are trained by this scheme.
TL13	**E-Learning**	Students are empowered through online learning in many ways. Our students are free to access materials whenever and wherever they want, by using a system they are comfortable with. They are gaining the exposure of course contents designed and delivered by Professors of IIT's, IISC, IMI, ISI and other reputed institutes.
TL14	**Microsoft Teams (Online Class)**	TEACHING THROUGH ONLINE PLATFORMS All departments have introduced online courses in order to make the teaching learning process innovative and effective.
TL15	**Learning through Concept Mapping**	Concept mapping helps students to chunk information based on meaningful connections. It makes students realize that understanding is more important than memorizing and share each person's different knowledge and ideas.

TL1: PROJECT BASED LEARNING

Project based learning was implemented for selected theory and lab courses.

It was adapted through

- ✓ Design project
- ✓ Project based learning for programming subjects.
- ✓ Project Exhibitions

Design project:

- The students are having Design project lab in their curriculum from fourth semester to enhance their problem solving skills and Team playing.
- Students are allowed to choose the project title based on the course
- Minimum 3 maximum 4 in a team are permitted.
- In the end semester examination students will be evaluated based on the complexity of project chosen, power point presentation and demonstration of the project which includes viva also.

Project based learning for programming subjects:

- The programming subjects like Data structures, OOPS, JAVA, Internet Programing and Mobile application development are adapted with Project based learning to make the students to develop the projects in the programming languages they are learning related to the subjects.
- The students are allowed to select the projects based upon their interest.
- The teams are formed by the course instructor.
- Project presentation for each module is conducted during the tutorial hours.
- The final project evaluation is done by invited internal panel members.

Project Exhibitions:

The project expo is conducted for the students to display their projects. The best project is awarded based upon the innovative ideas and social issues handled.

Figure 5.6. (l)Innovations by the Faculty in Teaching and Learning

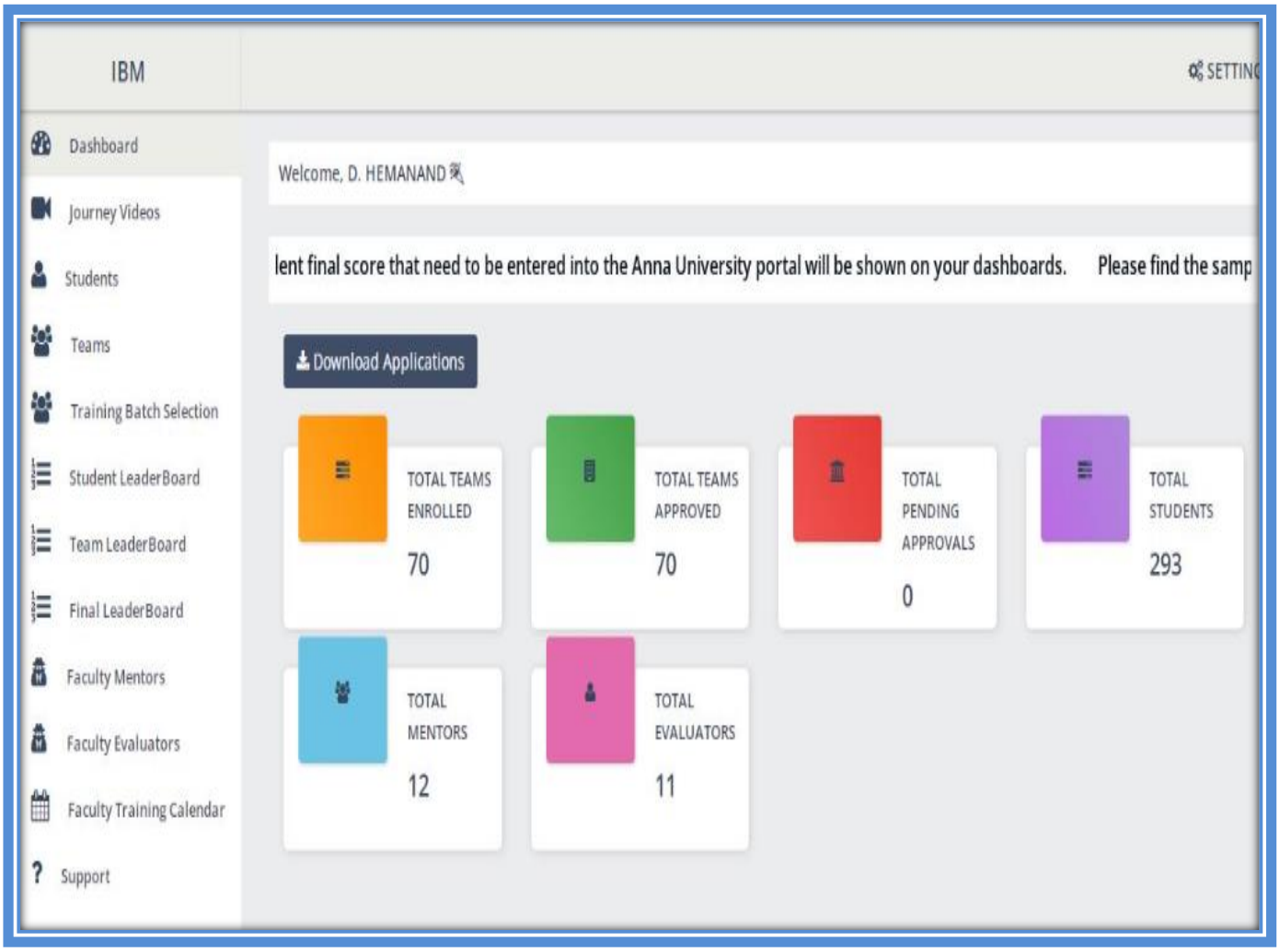
OUTCOME:

Project-based learning offers students rigorous academic experiences that take them beyond the boundaries of textbooks and lectures. In the process, they **learn critical thinking skills and the competence to solve problems in the world around them**.

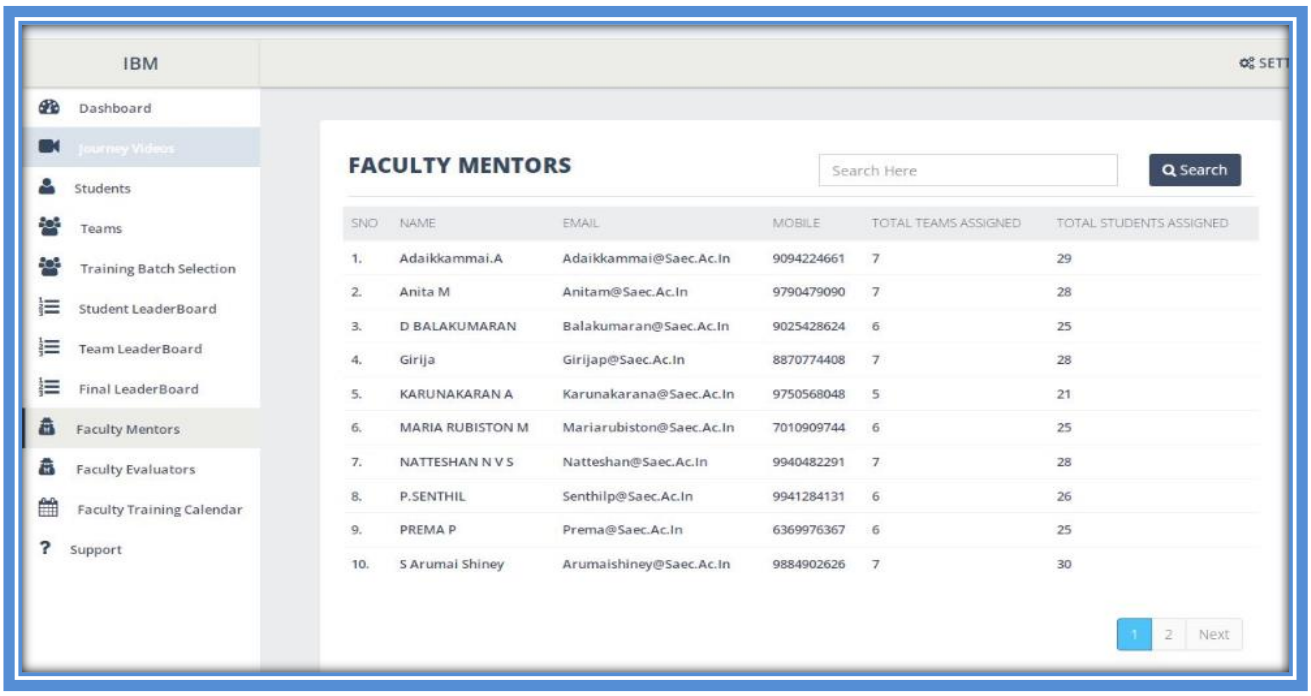
TL2: EXPERIENTIAL (IBM) PROJECT-BASED LEARNING (NALAYA THIRAN)

- Students are allowed to choose the project title based on the project
- The students work in groups of four to complete projects using agile approaches and with the aid of faculty and industry mentors.
- Faculties and students are trained in this Program

Home Page:



Faculty Mentors:



OUTCOME:

- Up skill in emerging technologies and apply to real industry-level use cases.
- Students develop solutions for real –world use cases.
- Have a dedicated mentor to guide.

TL3: PEER LEARNING

Peer learning essentially refers to students learning with and from each other as fellow learners without any implied authority to any individual. As a part of Teaching Learning Process, the Department of computer science & engineering is adapting the one of the Instructional strategy Peer Learning to motivate students to share and exchange their ideas among the peers. The Following activities are organized as the part of peer learning Process.

PEER LEARNING ON DATA STRUCTURES

Speaker(s): Mr.S.Yogeshwaran S,P.Swetha, IV Semester, CSE

Peer Learners: I yr CSE B section students

Coordinator: Mrs.V.Saraswathi, AP, CSE

Date:25/01/2023:11.38am

The peer learning was initiated with an idea of giving an opportunity to senior students to teach junior's .Ms.V.Saraswathi, Assistant Professor, Department of Computer Science and introduced the speakers and delivered a warm welcome speech. Mr.S.Yogeshwaran S, P.Swetha addressed first year CSE- B section students by expressing their happiness to take lecture on 25.01.2023.

TL4: GLOBAL CERTIFICATION COURSES AND CLUB DETAILS

The students are motivated to be part of the Various Coding hubs and Hackathon contests to sharpen their coding skills. The students of the coding club are supported to organize many events under the club.

S.NO.	FACILITY NAME	SOFTWARE DETAILS	NAME OF THE CLUB
1	CCNAv7- CISCO Certified Network Associate	Windows 10 Cisco Packet tracer	Networking Club
2.	IZ0-082 Oracle DBA	Windows 10, VMware, CentOS7	Database Club
3.	Exam 98-349 OS Fundamentals	Windows 10 VMWare workstation	Open Source Club
4.	EX200-Redhat Certified System Administrator	Windows 10 VMware workstation Cent OS7	Open Source Club
5.	Microsoft Python Certification	Python Software	Coding Club
6.	IZ0-808 Oracle Java Certification	JDK,JRE	Coding Club
7.	Exam AZ-220 IOT	IOT components	IOT Club
8.	Data Science	MAT LAB Campus license	Data Science Club
9.	AZ-900 Microsoft AZURE Fundamentals	Windows 10 Microsoft Azure-login	Cloud Clinic Club

OUTCOME:

Activity programs provide valuable lessons for many practical situations. Through participation in activity programs, students learn teamwork, sportsmanship, winning and losing, the rewards of hard work, self-discipline, build self-confidence, and develop skills to handle competitive situations.

TL5: VIDEO LECTURES

A video capturing facility is available in the institute to facilitate the faculty members to record their video lectures. The students can watch the recorded videos at their own convenience. Students are also motivated to follow the lectures uploaded by experts from academia on the web platforms like NPTEL. The students have shown a keen interest in these videos as an effective way of learning. The details of these lectures are available at institute website

Table 5.6. Sample You Tube Video Lectures

SNo	Name of the Faculty	URL/Link of the File
1	Dr.GEETHA R	https://www.youtube.com/watch?v=IkhTmdzzPRA
2	Dr.ANURADHA M	https://youtu.be/1wwKSfVfx_c
3	Dr.HEMANAND D	https://youtu.be/-7ST1krSaiA
4	Dr.NALINI M	https://youtu.be/m2j6hpNmj_s
5	Dr.SIVA SUBRAMANIAN R	https://youtu.be/PDSVNt68y5k
6	Mr.BALAKRISHNAN C	https://youtu.be/VFV_UOGY-aQ
7	Mr.BALASUBRAMANIAN M	https://youtu.be/M_LHzK1Alh4
8	Ms.SANGEETHA J	https://youtu.be/GoFgVh1DRG0
9	Ms.SUREKA V	https://youtu.be/qwMtF4NDlD8
10	Ms.ARUNA K B	https://youtu.be/UiASK2BQuN4
11	Ms.SUDHA L	https://www.youtube.com/watch?v=OxBYZYSe2t4&t=2
12	Ms.GUNANANDHINI S	https://youtu.be/nKcTGNJAXXQ
13	Ms.THILAGAM T	https://youtu.be/Tr_DnjwpuCE
14	Mr.KALIRAJ V	https://youtu.be/e24vAh0Je88
15	Ms.SUNTHEYA A K	https://youtu.be/15IjI9Qdy7Q
16	Ms.ADAIKKAMMAI A	https://youtu.be/P_DKbGA_LKI
17	Ms.SHOBANA R	https://youtu.be/N81_--fOTwM
18	Ms.GAYATHRI S	https://youtu.be/76OFVY2DbwI
19	Ms.KAVITHA V	https://youtu.be/7kF-XTJgC7Q

20	Mr.NITHYANANDHAN R	https://youtu.be/kwyPgyKU4I0
21	Ms.LAKSHMIPRIYA C	https://youtu.be/zV9Be1tCm8I
22	Ms.ARUMAI SHINY S	https://www.youtube.com/watch?v=1E4EwbieYhk
23	Ms.RAJALAKSHMI J	https://youtu.be/H0_ewUik5Uk
24	Ms.BELSHIA JEBAMALAR G	https://www.youtube.com/watch?v=lqVkIEjkI58
25	Ms.ANITA M	https://youtu.be/Me3Jg-y58HI
26	Mr.Prabhu S	https://www.youtube.com/watch?v=eQ8sxwl2cB4&list=PLajlP1Lp5Qj5XZ1_tAuWN9VKLxu5n490r
ACM Expert Talk VIDEO LINK		**https://learning.acm.org/techtalks-archive**

OUTCOME:

- Video Lecture of expert faculties for better understanding of students.
- This strategy can help students better organize information and identity connections between concepts

TL6: TEAM-BASED LEARNING

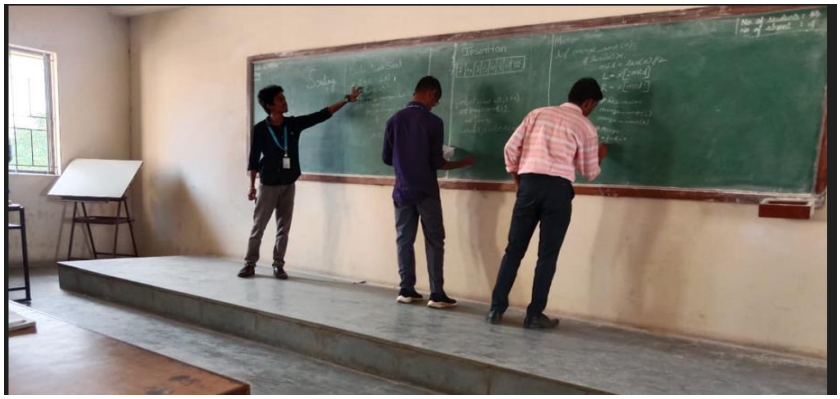
Team-based learning (TBL) provides an active, structured form of small group learning that can be applied to large classes. Student accountability is achieved through the specific steps of TBL, including pre-class preparation, readiness assurance testing, problem-solving activities, and immediate feedback

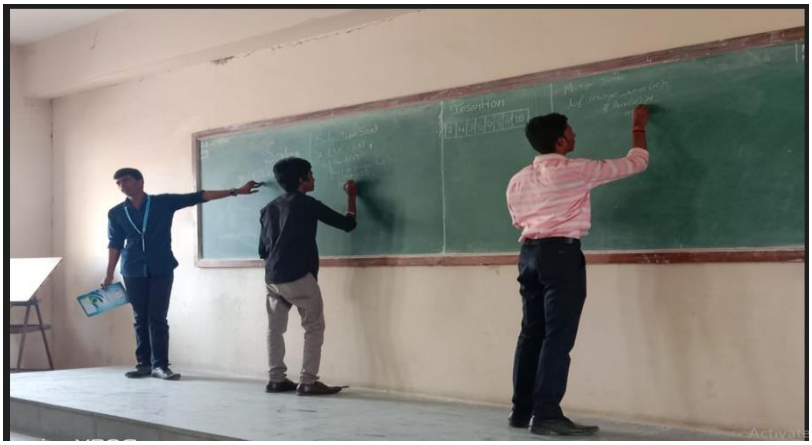
CLASS: II CSE B

SUBJECT: DATA STRUCTURES

BATCH: 2020-2024

Faculty Name: Ms.L.Sudha



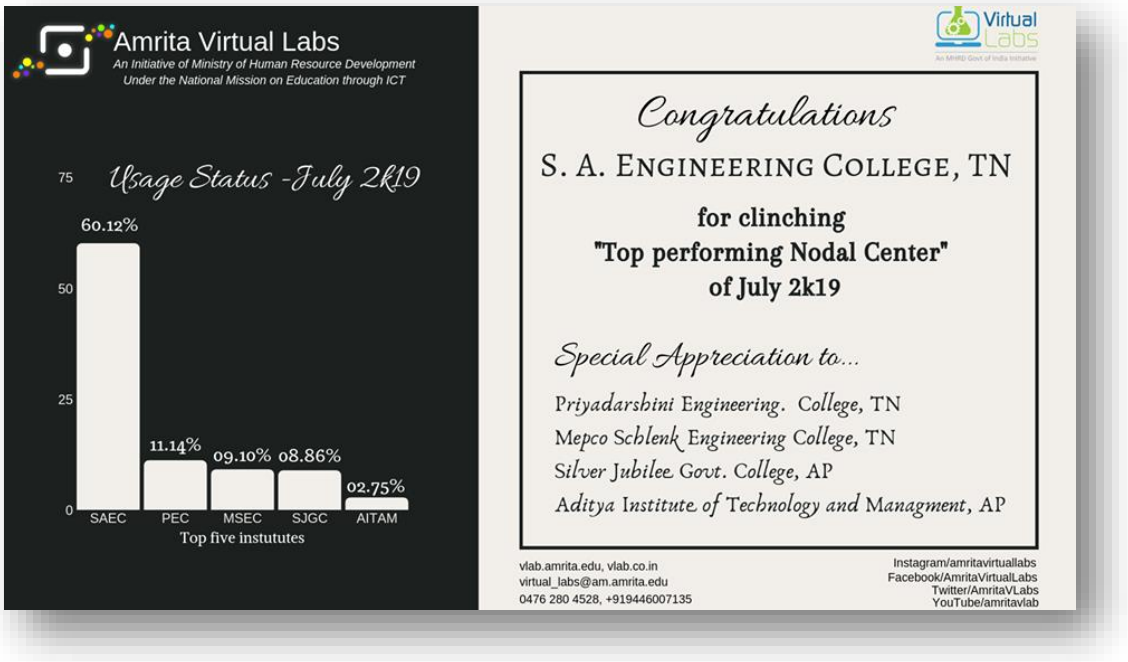


OUTCOME:

It help students to develop a host of skills that are increasingly important in the professional world. They develop their ability to refine understanding through discussion and explanation, challenge assumptions, give and receive feedback on performance and develop stronger communication skills.

TL7: VIRTUAL Lab

We provide remote-access to **simulation-based** Labs in Computer science and Engineering. It Enhances students' enthusiasm for learning through interactivity. We received the “Top Performing Nodal center” awards from Amrita Virtual Labs.



Sample Document for Virtual Lab

Activity - Virtual Lab Practice
Course Faculty: Mrs.L.Sudha,Mrs.Sureka,Mrs.K.BAruna
Course: Data Structures Using Python Lab
Class: III Sem CSE
Topic- Binary Search Tree

Learning Objective: To understand the different operations of binary search trees

Purpose

To develop an understanding of the Binary Search Tree, how elements are inserted, deleted and searched in a binary search tree. Similarly, the student will become familiar with the algorithm with the insertion, deletion, and search elements.

Concept of Binary Search Tree

A Binary Search Tree (BST) is a type of ***binary tree***, and each vertex has only up to 2 children. BST quickly allows us to maintain a sorted list of numbers where the nodes are arranged in a specific order. This is also called an ***ordered binary tree***.

BST property:

1. All nodes (vertices) in the left subtree of a vertex must have a value lesser than its own.
2. All nodes (vertices) in the right subtree of a vertex must have a value higher than its own.
3. Both the left subtree and right subtree must also be a binary search tree.

Example

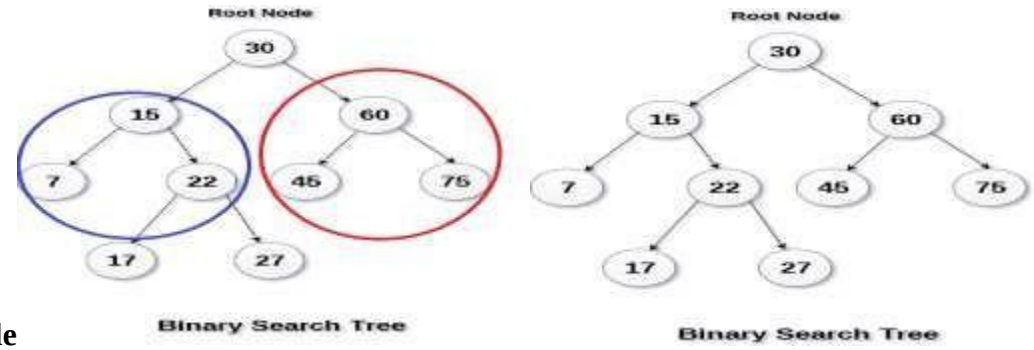


Figure 1a Example binary search tree

In figure 1a, the binary search has the root element as 30, and all its left subtree values are less than the root value, and all its right subtree values are greater than the root value. In figure 1b, both the left and right subtrees are also following the same property.

Pseudo Code
Insert/Create v

create new vertex
if the value to be inserted < this key go left
else go right

Delete v

search for vertex v if (v is a leaf) delete leaf v
else if (v has one child) bypass v
else replace v with the successor

Search v

if (this == null) return null
else if (this key == search value) return this
else if (this key < search value) search right
else search left

Link to Open the virtual lab tool

Use the following link **https://visualgo.net/en/bst** to open the binary search tree simulator.

Steps to Create a Binary Search Tree

Step 1 Select ***Create option*** at left side menu and select ***Empty option*** to empty the old.

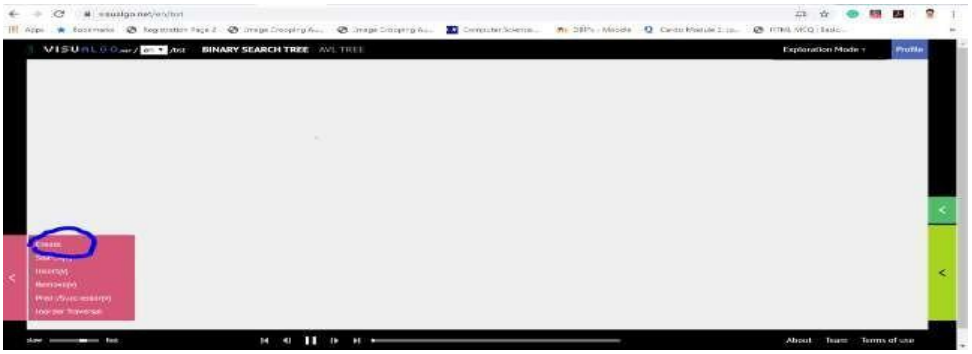


Figure 1 Creating a Binary search tree

Figure 2 Inserting first element 30

Step 2 Select ***insert option*** to insert further elements by using (,) comma as a delimiter (Example) 15,12,18,45,38,49 and press ***go button***.

Now the animator executes the pseudo code and decides where correctly the element need to be inserted.

For example, the binary search tree has 30 as the root element, and if 15 need to be inserted,

The algorithm works as follows.

It checks for the root element < the element to be inserted if the condition satisfies the item will be entered at the right-hand side of the binary tree; otherwise, it will add at left. Here the state is 30 < 15, which is false so that the element will be inserted at the left side of the root.

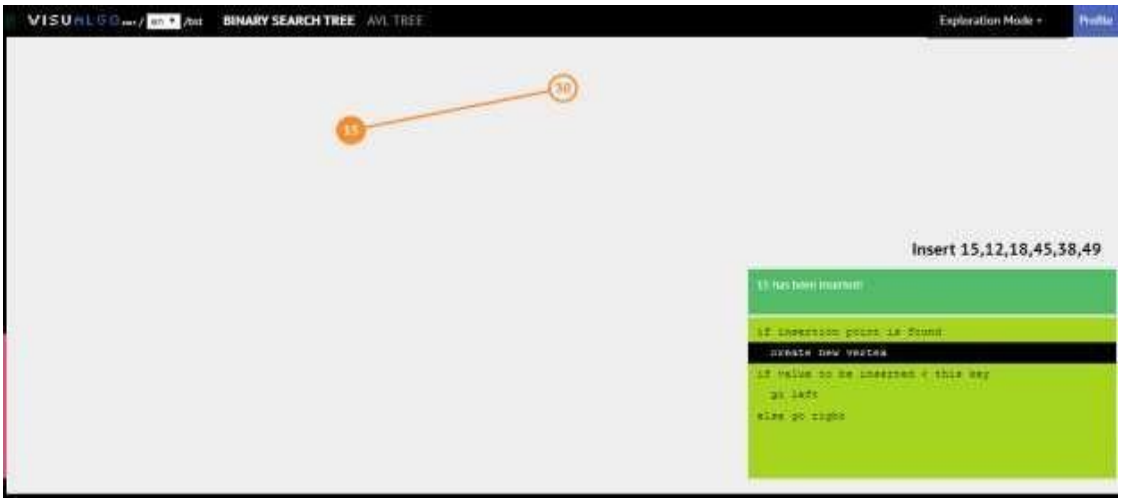


Figure 4 After inserted the element 15

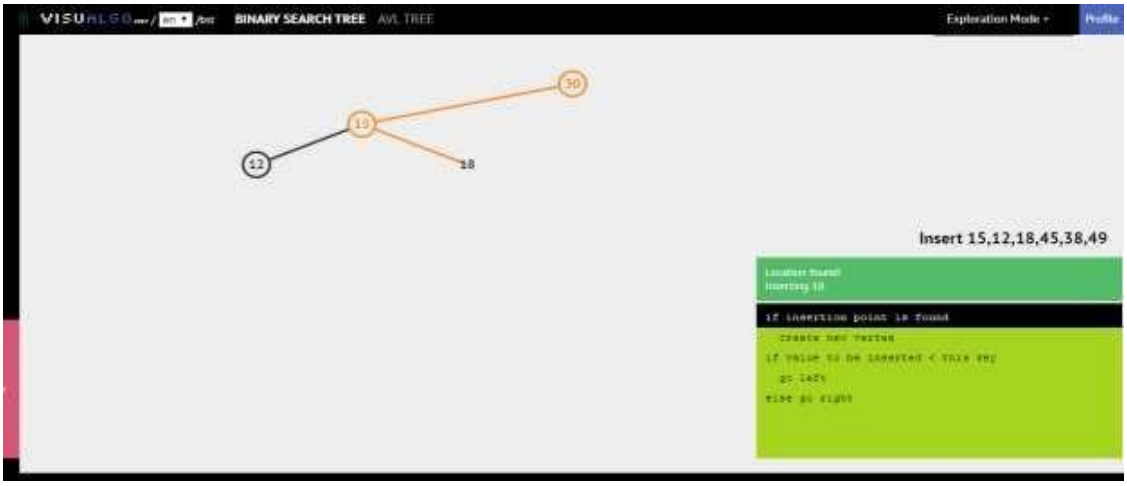


Figure 5 When the element 18 is inserted.

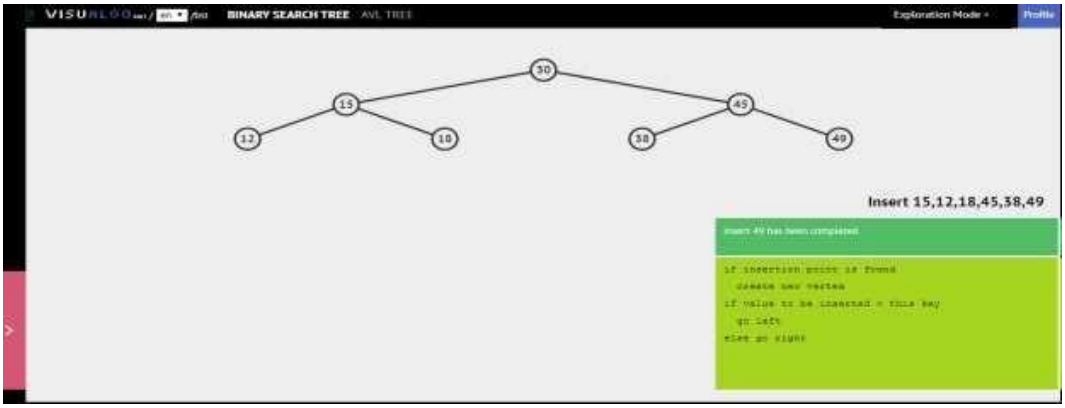


Figure 6 After the tree constructed

To Insert an Element in Binary Search Tree

Step 1 to Insert an element; select the ***Insert option*** in the menu.

Step 2 type the element name.

Step 3 press ***go button*** (Example to insert the element is 8)

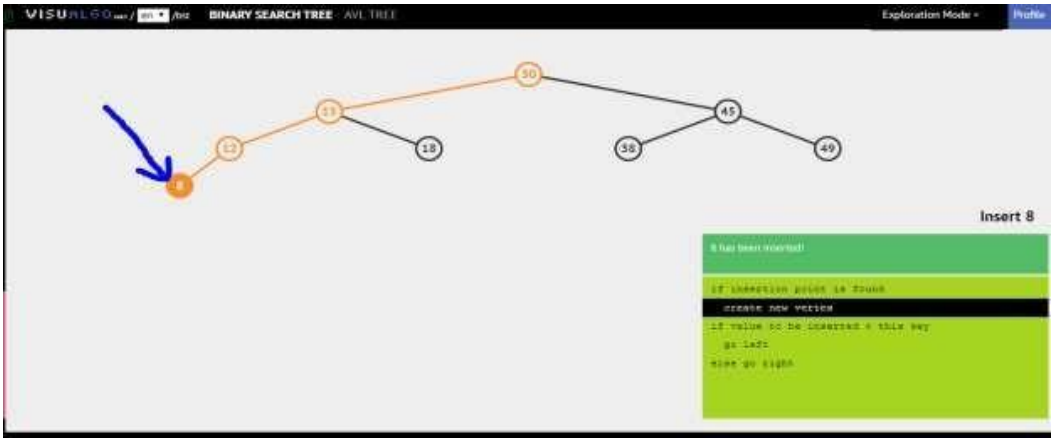


Figure 7 Inserting Element 8

To Delete an Element in Binary Search Tree

Step 1 to delete an element, select the ***remove option*** in the menu.

Step 2 Type the element name to remove.

Step 3 press the ***go button***

(Example to delete the element is 15)

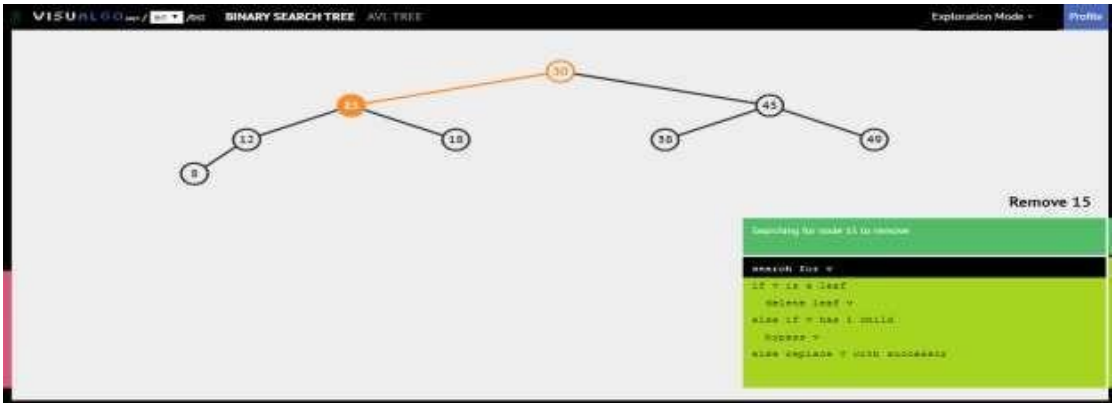


Figure 8 Find the element 15 to remove

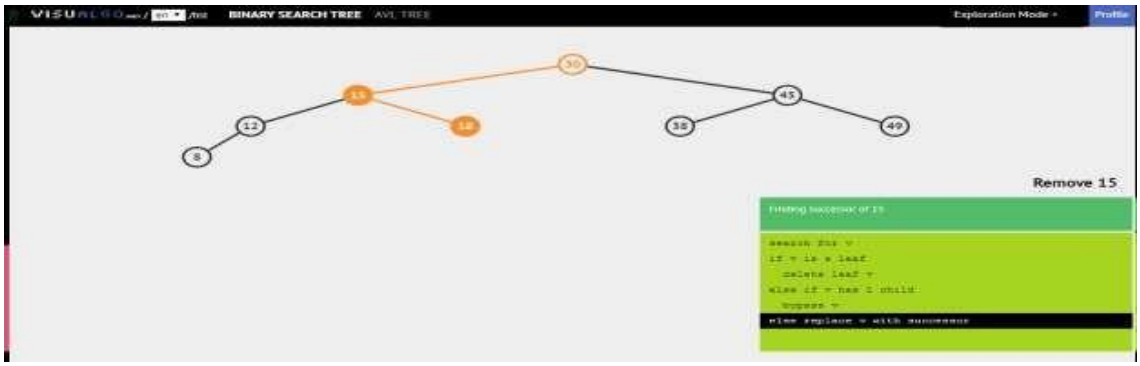


Figure 9 Select the highest element from right sub tree of 15

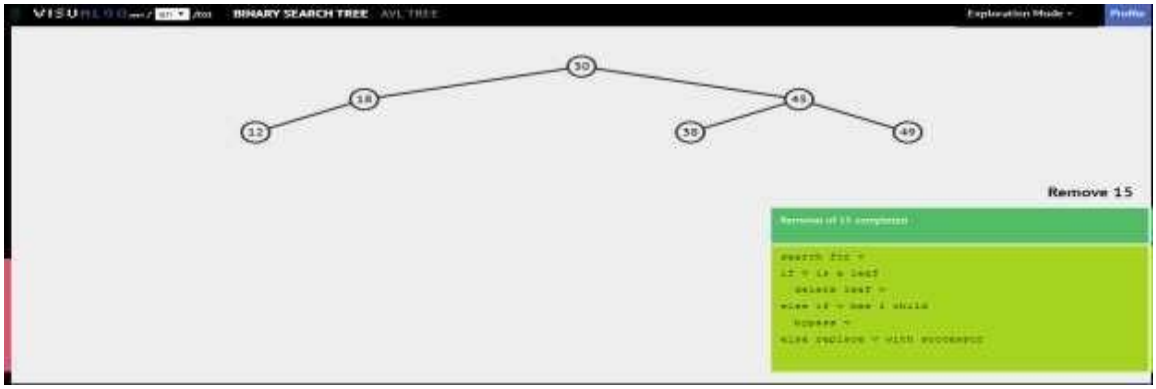


Figure 10 Replace Highest sub tree element with the deleted element. (18 with 15)

To Search an Element in Binary Search Tree

Step 1 to search an element, select the ***Search option*** on the menu.

Step 2 Select ***find minimum*** option for minimum value element or Select ***find maximum*** option for Maximum value element or Type the element name to search a random element.

Step 3 press the ***go button***

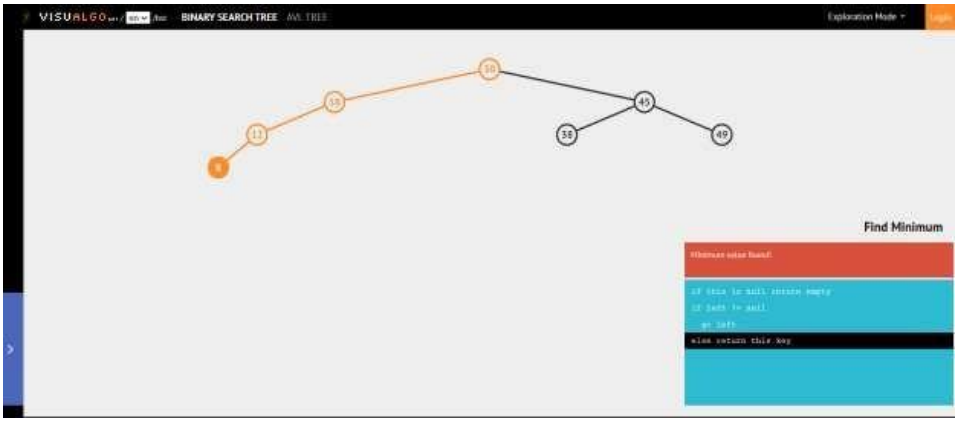


Figure 11 finds a minimum element in BST

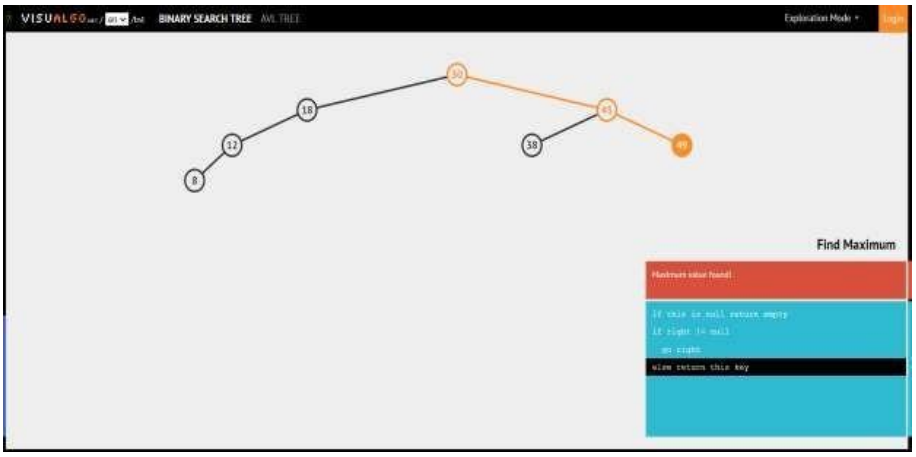


Figure 12 finds the Maximum element in BST

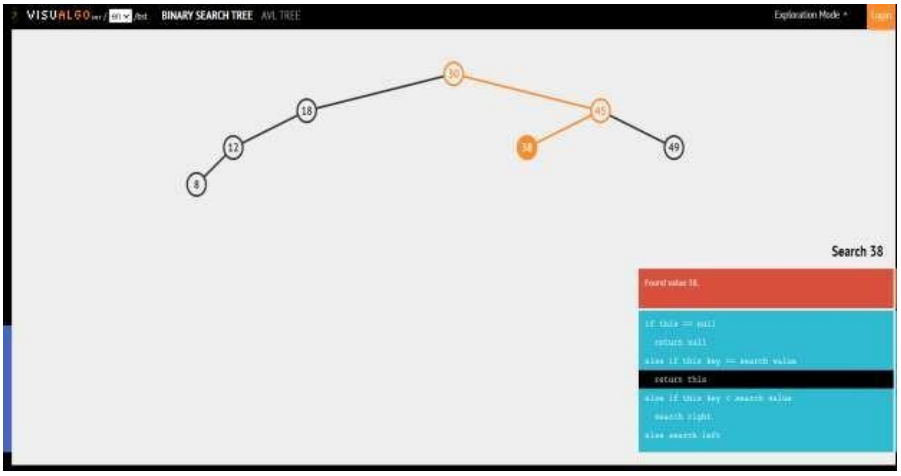


Figure 13 search for a random element (38)

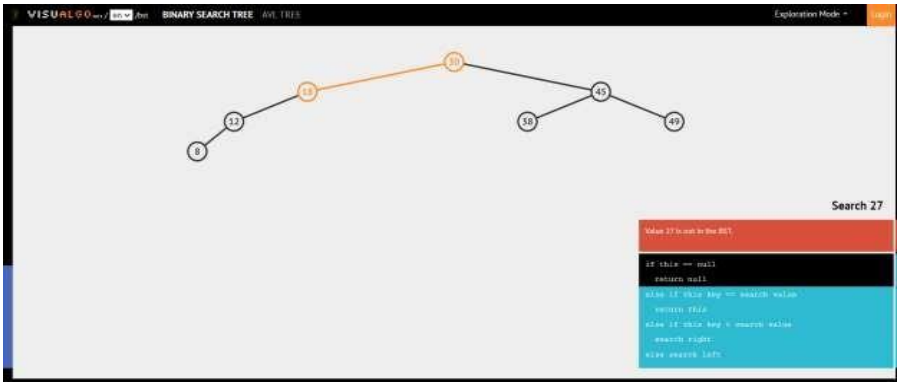
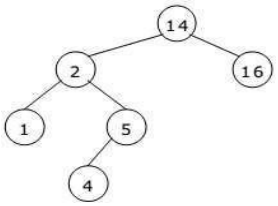


Figure 14 Searching element 27

Quiz Question

1. For the binary search tree shown in the figure below. Suppose we remove the root, replacing it with some node from the left subtree. What will be the new root node?



a. 3
b. 4
c. 5
d. 2

Ans – (c)

Explanation - In the left subtree, 5 is the biggest element.

2. In a binary search tree, which traversal type would print the values in the nodes in sorted order?

a. Preorder
b. Postorder
c. In order
d. None of the above

Ans – (c)

Explanation - In order traversal of the binary search tree is equal to ascending order of the tree's nodes.

3. Which of the following statements about binary search trees is true?

a. Every binary search tree has at least two nodes.
b. Every binary search tree root has exactly two children.
c. Every root node has at least two children.
d. Every non-root node has exactly one parent.

Ans – (d)

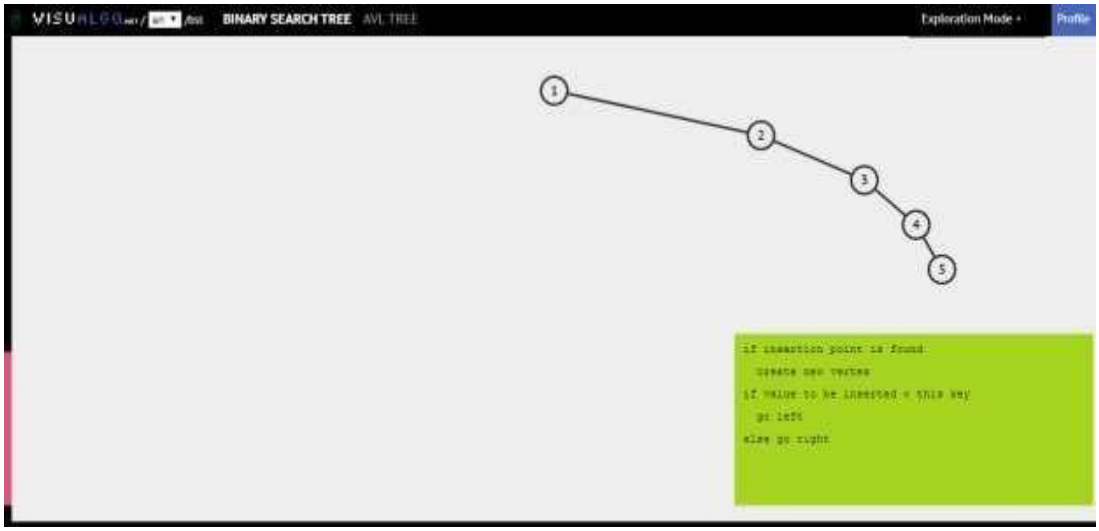
Explanation – In-tree data structure, every non-root node will have exactly one parent node, and only the root node doesn't contain a parent node.

Questions to practice

1. What will happen if the values are given in order (ex 1,2,3,4,5.)?
2. If the inserting element is already present, what will the algorithm do?

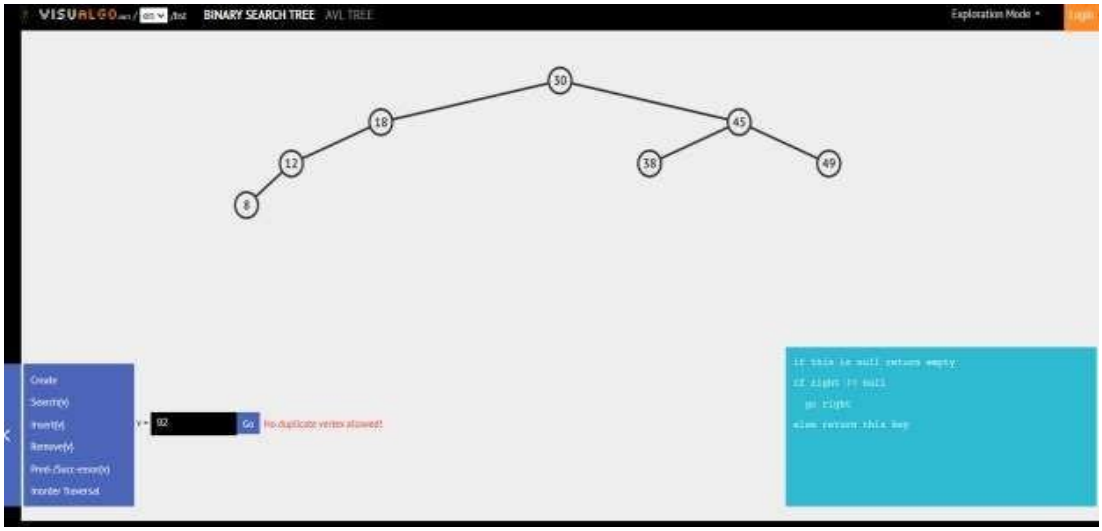
Answer for question 1:

The binary search tree will be formed on the right-hand side, which we call Right Skewed Tree.



Answer for question 2:

The algorithm will not accept the duplicate element.


VISUALGO
BINARY SEARCH TREE
AVL TREE
Exploration Mode
30
18
45
12
38
49
8
Create
Search(v)
Insert(v)
Remove(v)
Pred-/Succ-essor(v)
Inorder Traversal
v =
92
Go
No duplicate vertex allowed!
if this is null return empty
if right != null
go right
else return this key

TL8: INQUIRY-BASED LEARNING

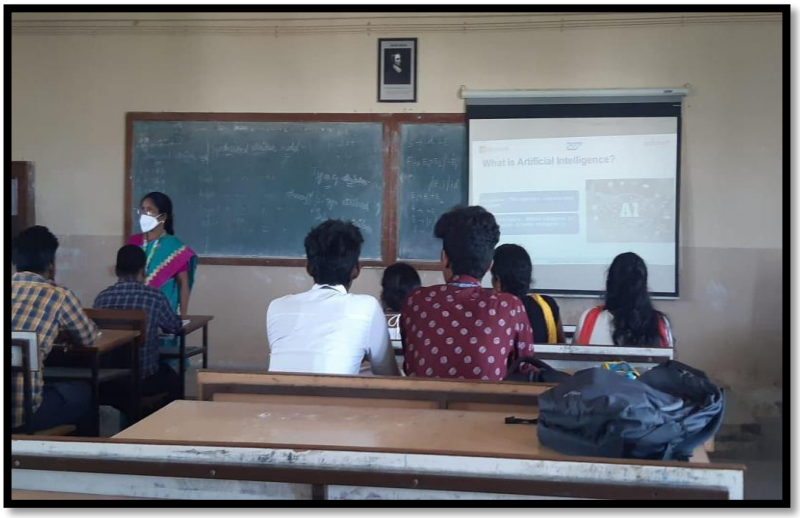
The inquiry-based learning (IBL) is that it starts from a place of questioning. Students may spontaneously ask questions or be prompted to ask questions about a particular topic. They might research to find answers, engage in activities that will help them pursue answers, or work collaboratively in pursuit of answers; regardless, all learning stems from these questions. By engaging in inquiry-based learning, students come to understand that they can take responsibility for their learning.

CLASS: IV CSE A

SUBJECT: ARTIFICIAL INTELLIGENCE

BATCH: 2018-2022

Faculty Name: Dr.R.Geetha



OUTCOME:

Inquiry-based learning helps the students to make their own connections about what they learn. Their curiosity helps them engage and gain a deeper understanding of topics and content.

TL 9: ACTIVITY-BASED TEACHING& LEARNING PROCESS

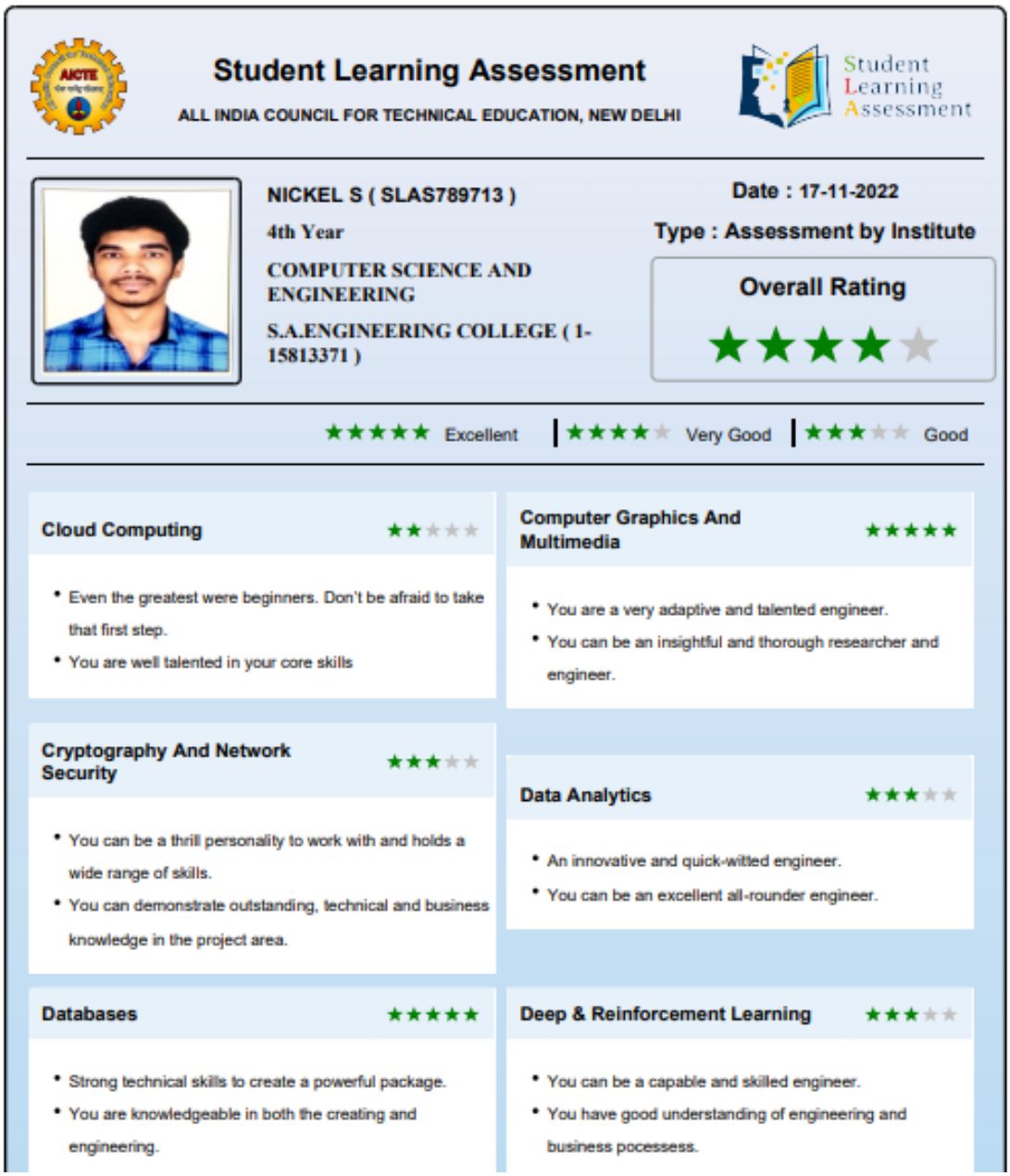
Activity based teaching is a methodology to emphasize the technique of teaching through action in which the learners take interest comprehensively and realize effective learning practices. Activity based Learning can be imparted in a number of ways. The Methodology conveyed to the students are described below:

OUTCOME:

- Learning through activities provides an excellent platform for students to come up with innovative ideas and their learning in real life situations.
- Creativity and out- of -box thinking are rewarded and encouraged in this type of learning.
- It leads to better knowledge retention to the students.

TL10: AICTE-PARAKH-PROGRAM

All India Council for Technical Education (AICTE) is going to implement a large-scale program to assess and improve the skills of engineering students in India in AICTE Approved Technical Institutions across the country. In respect of analysis, each of the online assessments (including those testing academic skills and those testing higher order thinking skills) may be used for comparing student outcome.



Student Learning Assessment

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI

Student Learning Assessment

NICKEL S (SLAS789713)

4th Year

COMPUTER SCIENCE AND ENGINEERING

S.A.ENGINEERING COLLEGE (1-15813371)

Date : 17-11-2022

Type : Assessment by Institute

Overall Rating

★★★★★ Excellent | ★★★★☆ Very Good | ★★★☆☆ Good

Cloud Computing ★★☆☆☆

- Even the greatest were beginners. Don't be afraid to take that first step.
- You are well talented in your core skills

Computer Graphics And Multimedia ★★★★★

- You are a very adaptive and talented engineer.
- You can be an insightful and thorough researcher and engineer.

Cryptography And Network Security ★★★☆☆

- You can be a thrill personality to work with and holds a wide range of skills.
- You can demonstrate outstanding, technical and business knowledge in the project area.

Data Analytics ★★★☆☆

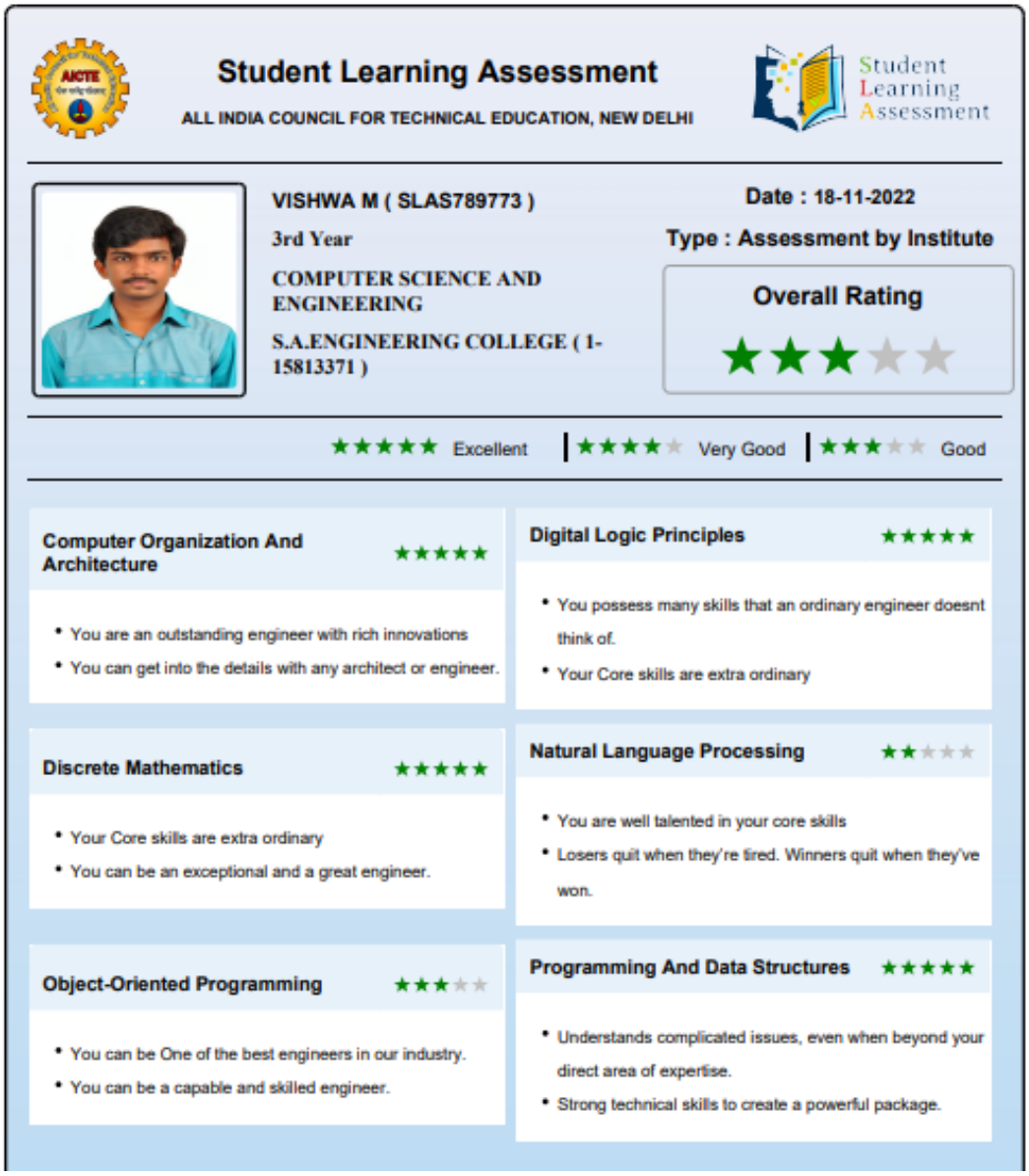
- An innovative and quick-witted engineer.
- You can be an excellent all-rounder engineer.

Databases ★★★★★

- Strong technical skills to create a powerful package.
- You are knowledgeable in both the creating and engineering.

Deep & Reinforcement Learning ★★★☆☆

- You can be a capable and skilled engineer.
- You have good understanding of engineering and business pocessess.



Student Learning Assessment

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI

Student Learning Assessment

VISHWA M (SLAS789773)

3rd Year

COMPUTER SCIENCE AND ENGINEERING

S.A.ENGINEERING COLLEGE (1-15813371)

Date : 18-11-2022

Type : Assessment by Institute

Overall Rating

★★★★★ Excellent | ★★★★☆ Very Good | ★★★☆☆ Good

Computer Organization And Architecture ★★★★★

- You are an outstanding engineer with rich innovations
- You can get into the details with any architect or engineer.

Digital Logic Principles ★★★★★

- You possess many skills that an ordinary engineer doesnt think of.
- Your Core skills are extra ordinary

Discrete Mathematics ★★★★★

- Your Core skills are extra ordinary
- You can be an exceptional and a great engineer.

Natural Language Processing ★★☆☆☆

- You are well talented in your core skills
- Losers quit when they're fired. Winners quit when they've won.

Object-Oriented Programming ★★★☆☆

- You can be One of the best engineers in our industry.
- You can be a capable and skilled engineer.

Programming And Data Structures ★★★★★

- Understands complicated issues, even when beyond your direct area of expertise.
- Strong technical skills to create a powerful package.

OUTCOME:

Motivate to bridge the gap between academics and industry by providing a platform for self-assessment of knowledge and 21st century skill capabilities in students and faculty members to ensure global competitiveness.

TL11: GOOGLE CLASS ROOM

The GOOGLE CLASS ROOM is also used for subjects to effective maintain course ware and post the assignments and quizzes.

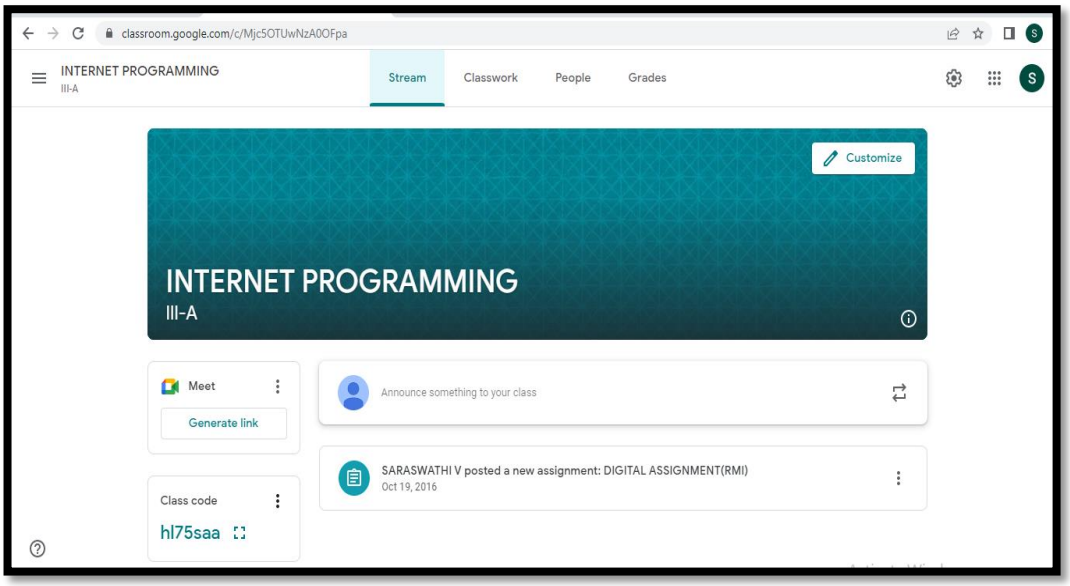
CLASS: II CSE A,B,C

SUBJECT: DESIGN AND ANALYSIS OF ALGORITHM

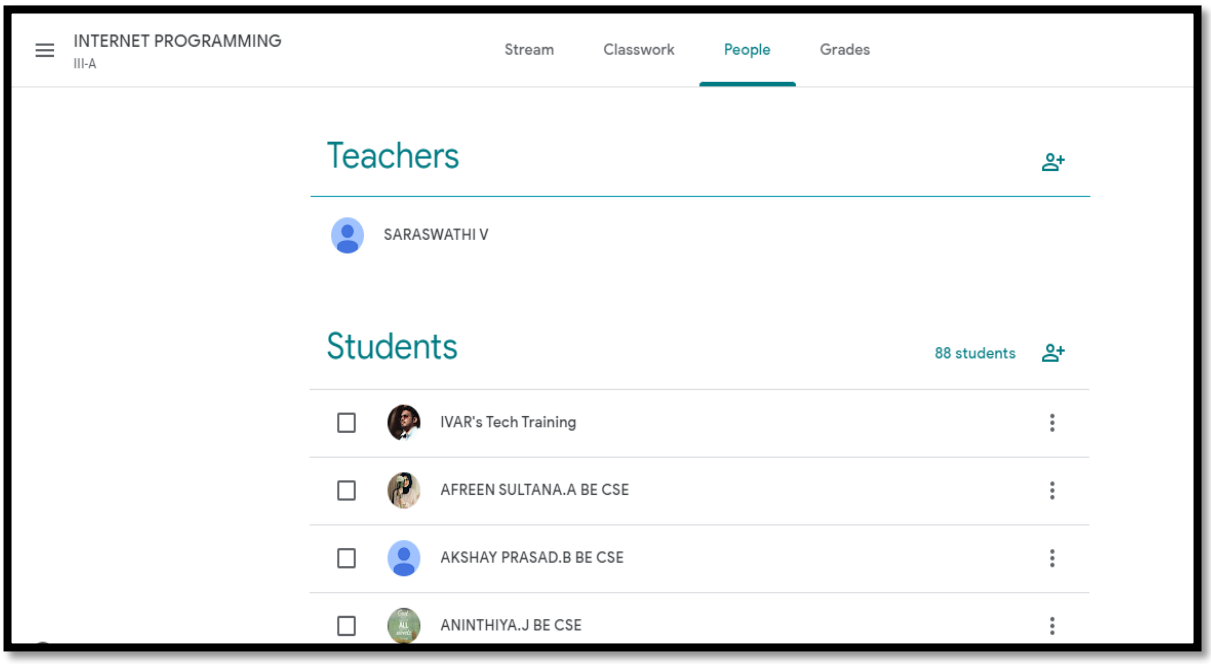
BATCH:2016-2020(CSE)

Faculty Name: Ms.V.Saraswathi

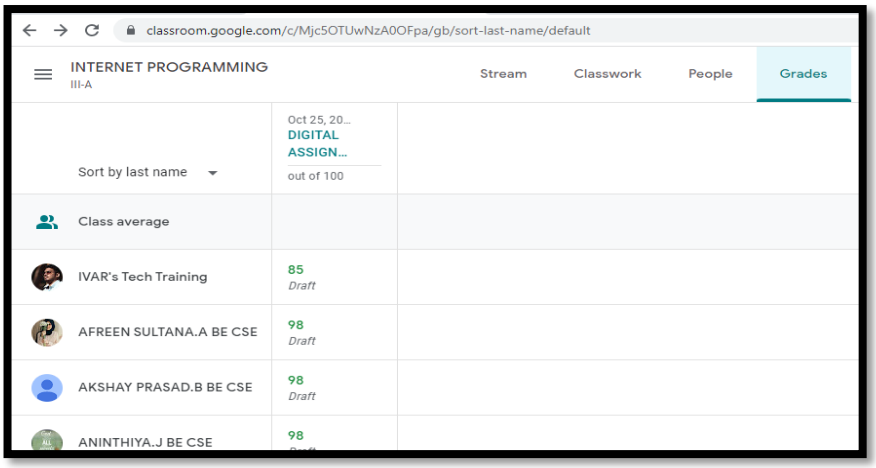
STREAM



PEOPLE



GRADE:



OUTCOME:

- Easy –to-Learn Interface
- Students can access the information anytime, anywhere.

TL12: NAAN MUDHALVAN

- "Nan Mudhalvan" is a massive industry relevant skill enhancement initiative.
- Faculties are trained by this scheme.
- Our faculty Dr.Hemanand/Professor and Mr.S.Muthukumarasamy/Associate Professor are up skilled by Nan Mudhalvan Scheme conducted by Government of Tamil Nadu.

OUTCOME:

This scheme is to identify potential training providers, to impart various skill trainings based on current industry gaps. It enable the students to get training in their chosen fields of interest that will help them in achieving their career goals.

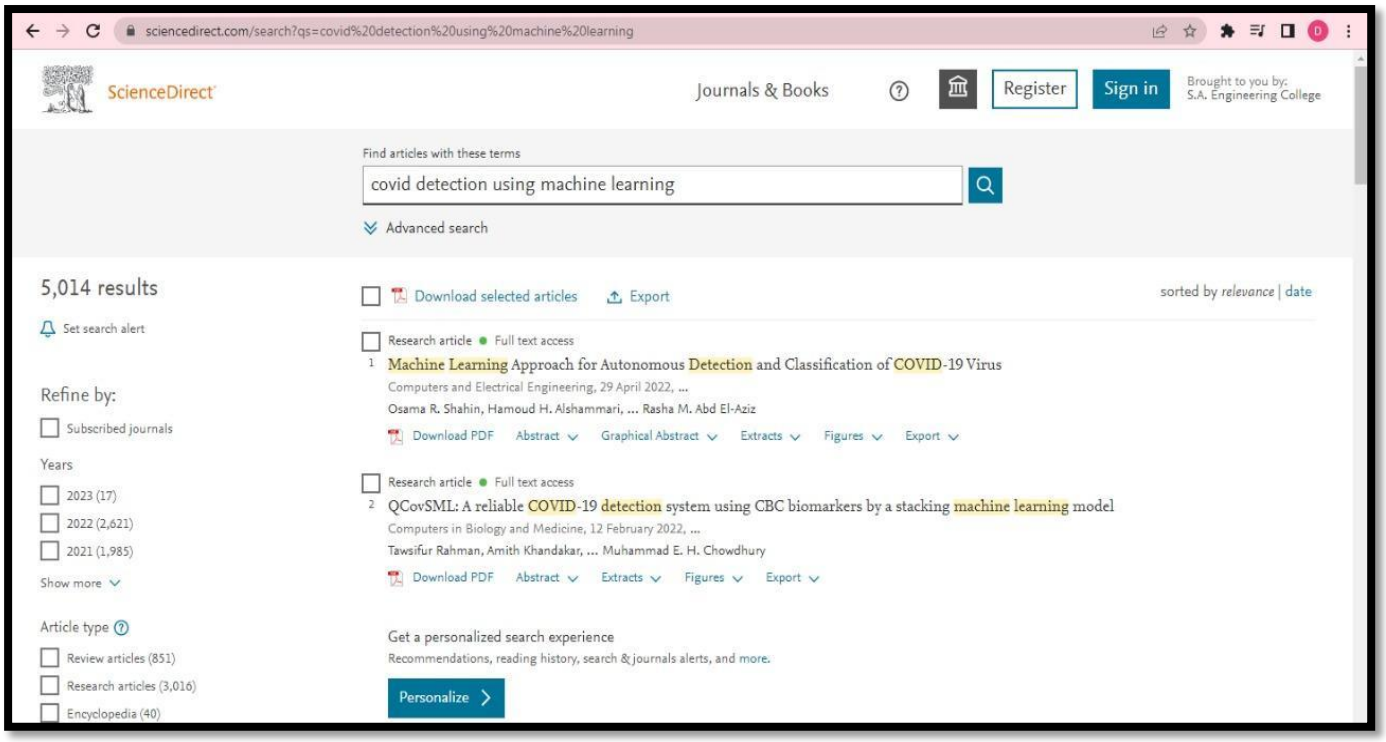
TL13: E-Learning

- Students are empowered through online learning in many ways. Our students are free to access materials whenever and wherever they want, by using a system they are comfortable with. They are gaining the exposure of course contents designed and delivered by Professors of IIT's, IISC, IMI, ISI and other reputed institutes.

- Faculty and students benefit from a digital library that includes E-journals and NPTEL Videos, Course Era, Udemy through the link.

No	Name of the Subject	NPTEL Link To Refer
1	Data Base Management System	https://nptel.ac.in/courses/106/105/106105175/
2	Cryptography and Network Security	https://nptel.ac.in/courses/106/105/106105162/
3	Mobile Communication	https://nptel.ac.in/courses/117/104/117104099/
4	Big data Analytics	https://nptel.ac.in/courses/106/104/106104189/
5	Cloud Computing	https://nptel.ac.in/courses/106/105/106105167/

Faculty members use visual library, digital library and other Open Source platforms to make the subject easy to understand. A copy of e – learning material is kept in individual department and in digital library.

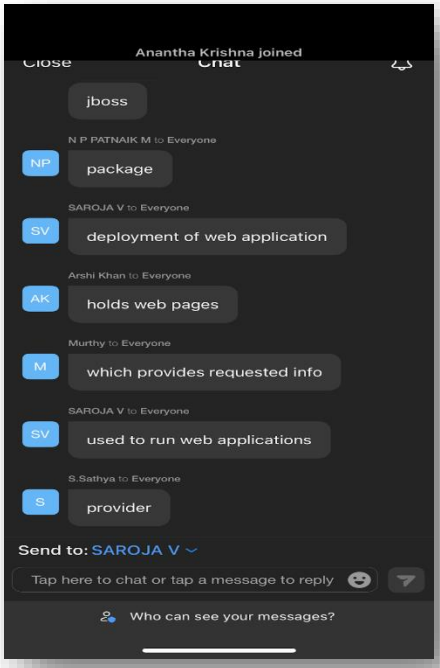


OUTCOME:

E-Learning as a positive influence on students it makes easy to grasp the content and digest it. It results in improved score on tests, or other type of evaluation.

TL14: Microsoft Teams (Online Platforms)

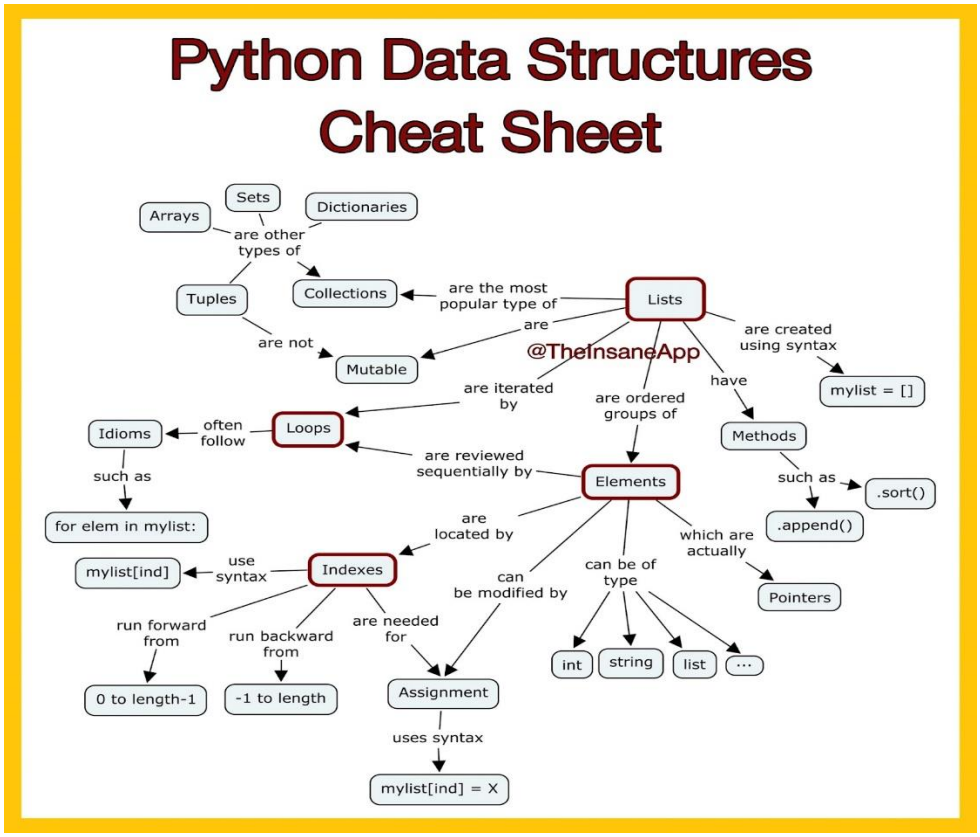
All departments have introduced online courses in order to make the teaching learning process innovative and effective. The college adopts online learning platforms such as Google Classroom and Microsoft Teams for online teaching learning, streamlining assignments and proper guidance is given to students to improve their performance. The institute also encourages getting MOU with the industries for better training in core fields and bridging the gap between academics and the industry.



TL15: Learning through Concept Mapping

A concept map is a diagram used to visually organize information. It is often created around a single concept, drawn as an image in the centre of a blank page, to which associated representations of ideas such as images, words and parts of words are added. Major ideas are connected directly to the central concept, and other ideas branch out from those major ideas.

Sample Concept Map:



OUTCOME:

Concept maps help the students to understand the relationships between various ideas, see how concepts are connected, discover related concepts, and organize our findings logically and visually.

5.6 Faculty as participants in Faculty development/training activities/STTPs (15)

- A Faculty scores maximum five points for participation
- Participation in 2 to 5 days Faculty development program: 3 Points
- Participation>5 days Faculty development program: 5 points

Table B.5.7: Faculty as participants in FDPs/Training Activities / STTPs

S.No	Faculty Name	CAYm1 (2020-2021)	CAYm2 (2019-2020)	CAYm3 (2018-2019)
1	Dr.GEETHA R	5	5	5
2	Dr. E.A. MARY ANITA	-	-	5
3	Dr.VEENA S	5	5	5
4	Dr.AHMED MUDASSAR ALI	-	3	3
5	Dr.SUBRAMANIAM M	-	5	-
6	Dr.DINAKARAN K	3	-	-
7	Dr.JAYANTHI G	5	-	-
8	Dr.SIVAKUMAR S	3	-	-
9	Dr.PREETHA M	3	5	5
10	Dr.SIVA SUBRAMANIAN R	-	-	-
11	Mr.BALAKRISHNAN C	5	5	5
12	Mr.MANI A	5	3	5
13	Ms.USHA N S	3	5	3
14	Mr.BALASUBRAMANIAN M	3	5	5
15	Ms.VINODHA D	3	3	5
16	Mr.MUTHUKUMARASWAMY S	3	3	5
17	Ms.SARASWATHI V	3	5	3
18	Mr.PRABHU S	5	5	5
19	Ms.RENUKADEVI K	5	5	5
20	Ms.RAMYADEVI K	5	5	5
21	Ms.SANGEETHA J	3	3	3
22	Ms.SAJINI S	5	3	5
23	Ms.SUREKA V	5	3	3
24	Ms.ARUNA K B	3	3	5
25	Ms.JONISHA S	3	3	5
26	Ms.JAYANTHI K	5	3	3
27	Ms.SUDHA L	5	3	5

28	Ms.SREEVANI R G	5	3	3
29	Ms.RUBASUDHA P	5	3	3
30	Ms.ELAVARASI K	3	3	5
31	Ms.PADMAVATHY T	3	5	3
32	Mr.V.BALAMURUGAN	-	-	5
33	Ms. A. LALLITHASHRI	-	-	3
34	Ms. G. GOWRI	-	-	3
35	Ms.GUNANANDHINI S	5	3	-
36	Mr.RAJKAMAL J	-	3	3
37	Ms.THILAGAM T	5	3	5
38	Ms.ANANTHI S N	3	3	5
39	Mr.KALIRAJ V	5	3	-
40	Mr.MUTHU GURUNATHAN.G	5	3	-
41	Ms.CYNTHIA SHERIN.B	5	3	-
42	Ms.SATHYA V	3	-	-
43	Ms.SUNTHEYA A K	3	-	-
44	Ms.ADAIKKAMMAI A	-	-	-
45	Ms.PREMA P	-	-	-
46	Mr.NATTESHAN N V S	-	-	-
47	Ms.SHOBANA R	-	-	-
48	Ms.GAYATHRI S	-	-	-
49	Ms.ALOYSIE ANISHA T	-	-	-
50	Ms.KAVITHA V	-	-	-
51	Mr.NITHYANANDHAN R	-	-	-
52	Ms.LAKSHMIPRIYA C	-	-	-
53	Ms.ARUMAI SHINEY S	-	-	-
54	Ms.RAJALAKSHMI J	-	-	-
55	Ms.BELSHIA JEBAMALAR G	-	-	-
56	Ms.GIRIJA P	-	-	-
57	Mr.SWAMINATHAN K	-	-	-
58	Ms.ANITA M	-	-	-
SUM		**143**	**123**	**136**
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratio		29	29	29
Assessment [3*(Sum / 0.5RF)]		**29.6**	**25.4**	**28.1**