

One Day Workshop on

"Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process" For faculty members of University departments

15th June 2022

Venue: Hall of Guines-68, Dept. of Manufacturing Engineering

Resource persons Prof.S.Baskar

Professor and Dean (R&D), TCE, Madurai

Prof.T.Thyagarajan

Former Dean-MIT Campus

Dr.A.Suresh Babu

Deputy Director-IQAC & Convener

Organized by

INTERNAL QUALITY ASSURANCE CELL (IQAC)

ANNA UNIVERSITY CHENNAI – 600025.

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ANNA UNIVERSITY, CHENNAI – 600025

Ph: 044-2235 8585, E-Mail: iqac@annauniv.edu

Report on One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process" Organized by IQAC on 15.06.2022 @ Hall of Guines-68.

The Internal Quality Assurance Cell (IQAC) organized a one day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process" on 15.06.2022 from 09.30 AM to 05.20 PM for the benefit of faculty members of CEG, MIT, ACT and SAP Campus of Anna University. The expert talk was arranged in Hall of Guines-68, Department of Manufacturing Engineering.

Around 69 faculty members from the four campuses (CEG, MIT, ACT and SAP) of Anna University attended the workshop. Dr.R.Gunasekaran, Director-IQAC welcomed the gathering and outlined the significance of Quality Initiatives and Enhancements in the NBA Accreditation process. He thanked the Honorable Vice-Chancellor Prof.R.Velraj to inaugurate the workshop and chief guest Prof.S.Baskar & Prof.T.Thyagarajan for readily accepting to present the workshop. Dr.A.Suresh Babu, Deputy Director-IQAC, introduced the speaker to the audience.

Dr.R.Gunasekaran, Professor & Director-IQAC, Anna University, Chennai, made his presentation highlighting the following points:

NBA Accreditation process - An Introduction

- NBA Quality Indicators
- Significance of Accreditation
- Difference between Vision & Mission
- Difference between PEOs & POs
- COs & Assessment
- Evaluation & Mapping
- Graduate Attributes
- Difference between Tier I & II
- Criteria & Weightages
- Pre-qualifier
- SAR preparation (Part-A & Part-B)
- Display of Documents

The invited speaker, **Prof.S.Baskar**, **Professor and Dean (R&D)**, **Thiagarajar** College of Engineering, Madurai, made his presentation highlighting the following points:

Detailed process for preparation of SAR

- Traditional Education
- Outcome Based Education (OBE)
- Key Components of OBE
- Benefits of OBE
- PEO, GAs, POs and COs

- Content delivery
- Assessment methods

The invited speaker, **Prof.T.Thyagarajan**, **Former Dean-MIT Campus**, **Anna University**, **Chennai**, **made his presentation highlighting the following points:**

Micro level action plan for NBA Expert team visit

- Preparation of Documents
- PPT slides Preparation
- Major Milestones
- Suggestions for maintaining the Campus/Centre/ Department
- Formation of Various Committees
- Stakeholders Interaction

Dr.A.Suresh Babu, Deputy Director-IQAC, thanked the chief guests for the informative sessions. He also expressed thanks on behalf of the IQAC team to the audience for their attentive and active participation in the workshop.

A Q&A session was conducted at the end of each session. The workshop was concluded at 5.20PM in the Hall of Guines-68, Department of Manufacturing Engineering.

INTERNAL QUALITY ASSURANCE CELL (IQAC) Anna University, Chennai-600025.

Note No.: AU/IQAC/2022/Training Programme/Workshop Date: **26**.05.2022

NOTE SUBMITTED TO THE VICE-CHANCELLOR:

Sub: AU-IQAC-One day workshop on NBA Accreditation Process-Approval Requested-Reg.

The Internal Quality Assurance Cell (IQAC), as a participative cell of the University that works on evolving strategies to remove deficiencies and enhance quality, thus channelizing the efforts of the University towards achieving holistic academic excellence. The Cell consistently coordinates all the University and Departments accreditation and ranking processes, namely NAAC, NBA, NIRF, QS, THE, etc., and regularly conducts related workshops and awareness programs for all stakeholders.

In this connection, IQAC planned to conduct a One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process" on 15.06.2022.

It is requested for kind approval of the following:

- A. **To conduct one day workshop** on 15.06.2022 for the benefit of the teaching staff of Anna University, Chennai.
- B. To invite **Prof.S.Baskar**, Professor and Dean (R&D), Thiagarajar College of Engineering, Madurai and **Prof.T.Thyagarajan**, Former Dean-MIT Campus, Anna University, as **resource persons** for the one day workshop.
- C. To meet the workshop expenditure Rs.53,000/- (Rupees Fifty Three Thousand only) from the head of account "IQAC-Training programme" as per the University norms. The expenditure break up is as follows:

SI.No.	Items	Amount(Rs.)
1	Lunch & Refreshments (100 Participants)	20,000/-
2	Honorarium for Two Resource Persons (Rs.1,500/- per hour, as per university norms)	9,000/-
3	Travel Expenses	15,000/-
4	Certificate & Contingencies	9,000/-
	Total	53,000/-

Submitted for kind approval of A, B & C, please.

RECTOR-IQAC

REGISTRAR i/c

APPROVED / NOT APPROVED

VICE-CHANCELLOR



INTERNAL QUALITY ASSURANCE CELL (IQAC)

Anna University, Chennai - 600025

Ph: 2235 8585, E-mail: iqac@annauniv.edu

Dr.R.GUNASEKARAN Professor & Director

Lr.No. AU/IQAC/2022/NBA Workshop/Nomination of Faculty

Date: 06-06-2022

To

All the Head of Department (UD)

Anna University

Chennai-600 025.

Esteemed Professor

Sub: AU-IQAC-One day workshop on NBA Accreditation Process-Nomination-Reg.

Ref: Vice-Chancellor's Approval dated 26.05.2022

The Internal Quality Assurance Cell (IQAC), as a participative cell of the University that works on evolving strategies to remove deficiencies and enhance quality, thus channelizing the efforts of the University towards achieving holistic academic excellence.

As a part of quality improvement, IQAC planned to conduct a One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process" on 15.06.2022.

The Titles, Resource persons, Coordinators and time schedule are given as follows.

SI. No	Time	Title of Session	Resource Persons	Coordinators			
1	10:00 am to 11:00 am	NBA Accreditation process - An introduction	Dr.R.Gunasekaran Director-IQAC				
2	11:00 am to 01:00 pm	Detailed process for preparation of SAR PART-I	Prof.S.Baskar Professor and Dean (R&D),	Dr.A.Suresh Babu			
3	01:45 pm to 03:45 pm	Detailed process for preparation of SAR PART-II	Thiagarajar Engineering College, Madurai	Deputy Director-IQAC			
4	03:45 pm to 05:15 pm	Micro level action plan for NBA Expert team visit	Prof.T.Thyagarajan Former Dean-MIT				

In this regard, it is requested that to nominate IQAC Department Coordinator and a junior faculty from IQAC Department Cell in the following format to participate in the workshop.

SI.No	Name of the Faculty member	Designation	E-mail ID	Mobile Number
1				
2				

Thanking You.

Yours Sincerely,

DIRECTOR-IQAO

CC:

- 1. PA to Registrar
- 2. PS to Vice-Chancellor
- 3. Deputy Director's-IQAC, IQAC-Coordinators of the Workshop
- 4. HoD- Manufacturing- With the request to do the needful for the hall availability



INTERNAL QUALITY ASSURANCE CELL (IQAC) Anna University, Chennai 600025.

One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process"

Date: 15.06.2022 Wednesday Time: 09.30 am to 05.20 pm Venue: Hall of Guines-68, Dept. of Manufacturing Engineering

PROGRAM AGENDA

09.30 am – 10.00 am	Inaugural Address	Prof.R.Velraj Vice-Chancellor
10.00 am - 11.00 am	NBA Accreditation process - An introduction	Prof. R. Gunasekaran Director-IQAC
11.00 am - 01.00 pm	Detailed process for preparation of SAR PART-I	Prof.S.Baskar Professor and Dean (R&D), TCE, Madurai
01.00 pm - 01.45 pm	Lunch	
01.45 pm - 03.45 pm	Detailed process for preparation of SAR PART-II	Prof.S.Baskar Professor and Dean (R&D), TCE, Madurai
03.45 pm - 05.15 pm	Micro level action plan for NBA Expert team visit	Prof.T.Thyagarajan Former Dean-MIT
05.15 pm - 05.20 pm	Vote of thanks	Dr.A.Suresh Babu Deputy Director-IQAC



Internal Quality Assurance Cell Anna University, Chennai-600025

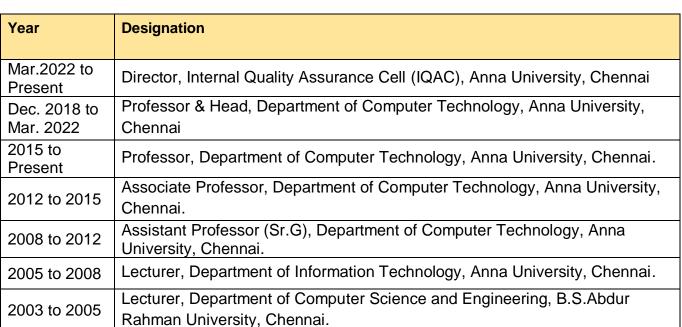
PROFILE OF RESOURCE PERSON

Name of the resource person : **Dr.R.Gunasekaran**,

Designation : Director-IQAC, Anna University, Chennai.

Qualification : Ph.D.,

EXPERIENCE



HONORS AND AWARDS

Year	Award Details
2021	IEEE Publication Award, from IEEE Madras Section
2019 & 2020	Young Faculty Research Fellowship under Visvesvaraya Ph.D. Scheme, from MeitY, Government of India.
2017	Professional Achievement, from IEEE Madras Section.
2014 to 2015	Raman Post-Doctoral Fellowship at the USA, from University Grants Commission, India.
2009	The Young Engineer Award, in recognition of the contributions in Computer Engineering, from the Institution of Engineers (India).

Topic Handled in Webinar: **NBA Accreditation process - An introduction**

Date and Time of Session: 15.06.2022, 10.00AM to 11.00AM



Internal Quality Assurance Cell

Anna University, Chennai-600025

PROFILE OF RESOURCE PERSON

Name of the Resource Person : **Prof.S.Baskar**,

Designation : Dean R&D, Thiagarajar College of Engineering, Madurai

Qualification : Ph.D.,

Prof.S.Baskar received his Bachelor's Degree in Electrical and Electronics Engineering with distinction from Madurai Kamaraj University, Madurai in the year 1991. He finished his Masters in control and instrumentation with distinction from college of engineering, Guindy, Anna University Chennai in the year 1993. He obtained his Ph.D.in the area of hybrid evolutionary algorithms from Madurai Kamaraj University, Madurai, India, in 2001.He has completed his post-doctoral research in the area of Evolutionary Computation and its applications at Nanyang Technological University (NTU), Singapore under BOYSCAST fellowship during 2003–2004, supported by Department of Science and Technology (DST), Govt. of India. He has been serving as faculty of Electrical& Electronics Engineering in Thiagarajar college of Engineering, Madurai, since 1994 where he is now working as professor& Dean (Research & Development).

His current research interests include the development of new evolutionary algorithms and its applications to complex, real-world optimization problems. He has published over 100+papers in International /National Journals in the area of evolutionary optimization and applications. He is the Recipient of Gold medal for the best research paper in Journal of Institution of Engineers (India), Computer Engineering Division in the year 2001. His Google Scholar h-index, i10-indexand citations are 6743, 32 and 63 respectively as on 22nd Feb. 2021. Fourteen research scholars completed Ph.D degree from his supervision and five scholars doing Ph.D research currently in the major areas of evolutionary optimization.

He has been Principal Investigator in the Project titled "Design and fabrication of Magnetostrictive position sensor for control rod drive mechanism (CRDM)" supported by Bhabha atomic research centre, Mumbai and also major research project titled " Evolutionary algorithm based Computationally expensive problem solving using surrogate models " supported by UGC, New Delhi. He is a senior member of IEEE, Fellow of Institution of Engineers (India) and Life Member of the Indian Society for Technical Education.

He is the reviewer for various international journals in the major area of soft computing. He has delivered more than 100 invited lectures in conferences/workshops. He has conducted several Conferences and Short-term training programmes in the area of "Evolutionary optimization and applications"

He has visited several engineering colleges as programme evaluators of NBA visiting team

for the evaluation of the programmes. He served as an Expert member/Master Trainer of OBE/OBA training organized by NBA. He is one of the members of the documentation team, who prepared

Washington Accord approved Tier- I document for NBA accreditation. He has acted a Resource

person to various orientation programmes/workshops on "Outcome Based Education and

Accreditation" organized by the NBA. He is also a former member of the Engineering Accreditation

Evaluation Committee [EAEC] and Moderation committee of National Board of Accreditation (NBA),

New Delhi.

He has attended CDIO- (Conceive, Design, Implement, and Operate) international

conferences/meeting at Singapore polytechnic, Singapore, Chengdu Technical University,

Chengdu-China, Kanazawa Technical University, Kanazawa-Japan, Duy Tan University-Vietnam,

Alliance Neusoft University, Dalian-China, and Denmark Technical University, Aalborg University,

Aarhus University Denmark. He has also attended University Power Engineering conference (UPEC)

at Staffordshire University, UK.

He has attended MHRD sponsored 3-week academic leadership programme

(LEAP)organized by NIT -Trichy, IIIT- Sri City and NTU-Singapore during Feb-March, 2019.He has

completed IUCEE International Engineering Educators Certification Program (IIEECP) with

distinction. He has completed popular teaching and learning MOOCs courses such as "Learning

How to learn" and "Learning Sciences – What every teacher should know". He has conducted more

than 100 workshops in OBE, modern pedagogy and OBA since October 2012.

Topic handled in Workshop : Detailed process for preparation of SAR

Date and Time of Sessions : 15.06.2022, 11.30AM to 01.00PM & 01.45PM to 03.45PM



Internal Quality Assurance Cell Anna University, Chennai-600025

PROFILE OF RESOURCE PERSON

Name of the resource person : **Prof.T.Thyagarajan**,

Designation : Former Dean-MIT Campus.

Qualification : Ph.D.,

EXPERIENCE

Year	Designation
2022 to Till	Emirates Professor
2019 to 2022	Dean of MIT campus, Anna University-Chennai
2015 to 2019	Director- Internal Quality Assurance Cell
2013 to 2020	Director - Centre for University Industry Collaboration
2010 to 2013	Director - University Library

HONORS AND AWARDS

Year	Award Details
2015	Dr.A.P.J. Abdul Kalam Award, Marina Lab, Tamilnadu
2015	Shri Rajiv Gandhi Gold Medal Award, New Delhi
2012	IEEE-MGA Certificate of appreciation
2011	IEEE-R10 Distinguished Large Section Award
2009	IEEE Certificate of appreciation award from IEEE-GOLD
1998	Sisir Kumar Mitra memorial award
1992	Dept. of Technical Education Award for guiding best UG Project work

Topic Handled in Webinar: Micro level action plan for NBA Expert team visit

Date and Time of Session: 15.06.2022, 03.45PM to 05.15PM



INTERNAL QUALITY ASSURANCE CELL (IQAC)

Anna University, Chennai - 600025

Ph: 2235 8585, E-mail: iqac@annauniv.edu

Dr.R.GUNASEKARAN Professor & Director

Lr.No. AU/IQAC/2022/NBA Workshop/Invitation

Date: 06-06-2022

То

Dr.S.Baskar

Professor and Dean (R&D)

Department of Electrical and Electronics Engineering

Thiagarajar Engineering College, Madurai-625015.

Esteemed Professor

Sub; AU-IQAC-One day workshop on NBA Accreditation Process-Invitation-Reg.

Ref: Vice-Chancellor's Approval dated 26.05.2022

As part of the quality sustenance and enhancement activities, Internal Quality Assurance Cell (IQAC) planned to conduct a One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process" on 15.06.2022.

Considering your vast experience related to NBA Accreditation related activities, you are requested to be the "Resource Person" on One day Workshop at Anna University, Chennai on 15.06.2022.

The Coordinators and time schedule are given as follows for your ready reference. In this regard arrangements required for your travel may please be confirmed through e-mail to igac@annauniv.edu.

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4	03:45 pm to Micro level action plan for 05:15 pm NBA Expert team visit		Prof.T.Thyagarajan Former Dean-MIT				

Looking forward to your presence and valuable inputs.

Thanking You.

DIRECTOR-IQAC

Yours Sincerely



INTERNAL QUALITY ASSURANCE CELL (IQAC)

Anna University, Chennai - 600025

Ph: 2235 8585, E-mail: igac@annauniv.edu

Dr.R.GUNASEKARAN Professor & Director

Lr.No. AU/IQAC/2022/NBA Workshop/Invitation

Date: 06-06-2022

Tο

Prof.T.Thyagarajan
Former Dean MIT Campus
Anna University, Chennai-600044.

Esteemed Professor

Sub: AU-IQAC-One day workshop on NBA Accreditation Process-Invitation-Reg.

Ref: Vice-Chancellor's Approval dated 26.05.2022

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Considering your vast experience related to NBA Accreditation related activities, you are requested to be the "Resource Person" on One day Workshop at Anna University, Chennai on 15.06.2022.

The Coordinators and time schedule are given as follows for your ready reference. In this regard arrangements required for your travel may please be confirmed through e-mail to iqac@annauniv.edu.

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4	03:45 pm to 05:15 pm	Micro level action plan for NBA Expert team visit	Prof.T.Thyagarajan Former Dean-MIT	

Looking forward to your presence and valuable inputs.

Thanking You.

DIRECTOR-IQA

Yours Sincere

ANNA UNIVERSITY, CHENNAI-600025.

One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process"

Date & Time: 15.06.2022 @ 09.30AM

Venue: Hall of Guines-68

			ATTENDANCE SHEET	ET			
2		A the state of the		<u> </u>	3	Signa	Signature
	Marine Or the Department	Name of the Faculty member	Designation	E-mail ID	Wobile number	Z	AA
П	Manufacturing Engineering	Dr.M.Omkumar	Professor	omkumar2000@yahoo.com	9840398684	E	B
7	Manufacturing Engineering	Mr.S.Joyson Selvakumar	Teaching Fellow	joysonselvakumar18@gmail.com	8344540706	AB	AB
m	Chemistry	Dr.S.Angayarkanny	Assistant Professor	akilaprince@gmail.com	9444617586	4	
4	Chemiştry	Dr.Keerthi	Assistant Professor	dr.keerthi1012@gmail.com	9940133080	STATE OF THE PROPERTY OF THE P	one
2	Physics	Dr G Velraj	Associate Professor	gvelraj@annauniv edu	9944176380	graphy	Cheling
9	Physics	Dr.S. Sundaramoorthy	Teaching Fellow	suncasincb@gmail.com	9500006988	COL	S. S.M
7	Electronics & Communication Engineering	Dr.J.Kamala	Associate Professor	jkamalaa@annauniv.edu	9444148847	7	
œ	Electronics & Communication Engineering	Dr.K. Gunaseelan	Associate Professor	guna_2012@annauniv.edu	9626505161	W. S. W	3
o o	Computer Science & Engineering	Ms.M.S.Karthika Devi	Assistant Professor	karthikadevi88@gmail.com	9791763413	AN AL	San La
10	Computer Science & Engineering	Ms M Saranya	Teaching Fellow	saranyamani18@gmail.com	9710003226	M. Growyor M. Sara	H.Sara
11	Information Science & Technology	Dr P Geetha	Assistant Professor	githap@gmail.com	9444635269	AR	AB
12	Information Science & Technology	Dr.D. Narashiman	Teaching Fellow	dnarashiman@auist.net	9841811598	A.	AB
13	Mathematics	Dr.K.V.Vijayashree	Assistant Professor (SG)	vkviji@annauniv.edu .	9840225176	WW. janger	K. Williams



ANNA UNIVERSITY, CHENNAI-600025.

One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process"

Venue: Hall of Guines-68 Date & Time: 15.06.2022 @ 09.30AM

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ATTENDANCE SHEET	Decignation	Total Branch	Assistant Professor	Pictossor Atheral Biffers	Assistant Professor	Visiting-Faculty (F	Assistant Professor	Teaching Fellow	Professor	Assistant Professor	Technical Assistant	Professional Assistant-II	Assistant Professor	Assistant Professor	Associate Professor
	Name of the Eaculty member	A STATE OF THE STA	Dr.R.Akila	Dr. A. K. Sh.c. K. K. k. Lon Br. Hensa Lysander Manchar R	Dr T. Padmavathi	Br.T. Varum ACHU SAM K) VISITING FACULTY	Ms.M.S.Gitanjali	Mr. P. Ramakrishnan	Dr.M Muttharam	Dr.V.Lenin Kalyanasundaram	Dr.V.Sudha	Mr. D. Senthil kumar	Dr.K.Padmanabhan Panchu	Mrs V.Kamala	Dr.A. Gnanavel Babu
	Name of the Denartment		Mathematics	Management Studies	Management Studies	Management Studies	English	English	Civil Engineering	Civil Engineering	Civil Engineering	Civil Engineering	Industrial Engineering	Industrial Engineering	Industria! Engineering
	S. No		14	15	16	17	18	19	20	21	22	23	24	25	26

ANNA UNIVERSITY, CHENNAI-600025.

One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process"

	Venue: Hall of Guines-68
	> 09.30AM
	Date & Time: 15.06.2022 @ 09.30A

ATTENDANCE SHEET

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E-mail ID		nandakumar.mit@gmail.com	nsrirangarajalu@mitindia.edu	thanasekhar@gmail.com	muthurajkumarss@gmail.com	vijayakarthick@yahoo co.in	sivaanand129@gmail.com	arumugam.mitaero@gmail.com	anitha_g@annauniv.edu	isrokavi@gmail.com	elangok@mitindia.edu	karthikanbu@mitindia edu	kavithag_mit@annauniv.edu	sathiieesh@gmail com .
Designation	0	Assistant Professor (SLGr)	Assistant Professor (Sr.Gr)	Associate Professor	Assistant Professor	Assistant Professor	Teaching Fellow	Professor	Associate Professor	Assistant Professor	Associate Professor	Teaching Letton	Associate Professor	Assistant Professor
Name of the Faculty member		Dr.C. Nandakumar	Dr.N.Srirangarajalu	Dr.B.Thanasekhar	Dr.S. Muthurajkumar	Dr M Vijayakarthik	Mr. S.S. Pream Anand	Dr.V. Arumugam	Dr.G. Anitha	Dr.A. Kaviyarasu	Dr.K. Elangovan	Mr.A. Karthik Narayanan	Dr G Kavitha	Dr.V.Sathiesh Kumar
Name of the Department		Production Technology	Production Technology	Computer Technology	Computer Technology	Instrumentation Engineering	Instrumentation Engineering	Aerospace Engineering	Aerospace Engineering	Aerospace Engineering	Rubber & Plastics Technology	Rubber & Plastics Technology	Electronics Engineering	Electronics Engineering
SI, No		27	28	29	30	31	32	33	34	35	36	37	80	39

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ANNA UNIVERSITY, CHENNAI-600025.

One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process"

Date & Time: 15.06.2022 @ 09.30AM

Venue: Hall of Guines-68

			ATTENDANCE SHEET	ET			
S	Name of the Department	Name of the Eaglith momber	Dacionation	G IIICW II	o lido	Signature	
5		אמווב סו חוב נפרמווא וווכווותבו	Designation	CI III III	Niobile number	FN	AN
04	Leather Technology	Dr Bindia Sayhu Salvu	Assistant Professor	bindiya1480@gmail.com	9884914481	privated prini	Reliais
41	Leather Technology	Mr. R. Renganath Rao	Assistant Professor	r.renganathrao@gmail.com	8056290472	R. Rongwall to R. Dang well the	ng anal Pe
42	Textile Technology	Dr.V.R.Giri Dev	Professor & Head	vrgiridev@yahoo.com	9486600246	8	
43	Textile Technology	Dr.N.Gobi	Assistant Professor (Sl.Gr)	gobsnn@gmail.com	9884845999	Ching in Can	
44	Textile Technology	Dr.M Murugesan	Associate Professor	murugesanmuthalagu@gmail.com	9962434848	21-944 7 34	A MAN
45	Textile Technology	M. Keno Studine Rose	Teaching Fellow	Sherty ore lag man from mashajada@gmanloom	87034 85848 9500670435		407
46	Textile Technology	Mrs.G.Priya	Teaching Fellow	privigadharma@gmail.com	9962676401	7	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
47	Ceramic Technology	Dr.D.Thenmuhil	Associate Professor	thenmuhil@annauniv.edu	9840619319	AB AB	29
48	S Ceramic Technology	Dr.K.llango	Teaching Fellow	ilango,pec@gmail.com	9597319101	のあいいのか	52.44
49	Ceramic Technology	Dr.E Satheeshkumar	Teaching Fellow	satheeshkumar.e@gmail.com	9790566536	J. K. T. M. R	1
20	Chemical Engineering	Dr T.Santhoshini Priya	Assistant Professor	santhoshinipriya.thomas@gmail.com	7708027208	TO HATE TILL	4
51	Chemical Engineering	Dr.E.Vasanth Kumar	Teaching Fellow	vippiv44@gmail.com	9791171220	To large	
52	Bio-Technology	Dr.S.Ashok Kumar	Assistant Professor (ゲ. ひく)	sekarashok@gmail.com	9629670607	30 100	- 5
53	3 Bio technology	DY. MATHANGI GANADATHY	3744 VISILING BALVITY	mathangig (agmail com	99621 02981	A Triple	34

ANNA UNIVERSITY, CHENNAI-600025.

One day Workshop on "Dissemination of Quality Initiatives and Enhancements in the NBA Accreditation process"

ATTENDANCE SHEET

Date & Time: 15.06.2022 @ 09.30AM

Venue: Hall of Guines-68

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Olliem-3		sudarsanamurthy@gmail com	vadhani27@gmail,com	Summigliannauniv.edu	vesamathherreold (Pernell com	i.sandeep@annauniv.edu	ரப்பூத்தசர்தோவி, ஜ்	mvdcharles@gmail.com	anand8285@gmall.com	divakarias1994@gmail.com	гаівяйсев 28 беж тай, се т	kasivaraj@gmail.com	ngobalgeology@gmai	aglyyva@gmail.com
Designation	Designation of the second	Teaching Fellow	Teaching Fellow	Assistant Professor	Assistant Professor (Sr.Gr)	Assistant Professor (Sr.Gr)	Teaching Fellow	Assistant Professor (SLGr)	Assistant Professor	Teaching Fellow	Professional Assistant-III	Assistant Professor (Sr Gr)	Teaching Fellow	Teaching Fellow
Name of the Faculty member	ממווכ כן נובר ו מכמול וופוודקני	Suchansamuthy Mr.P. Sudhansamuthy	Ms.K.Madhivadhani	Dr.J. Sudha	Dr.M.Vasumathı	Dr.J.Sandeep	Mr.T. Murugesan	Dr V Charles Acegatin	Dr. G. Anandkumar	Mr M Diwakar	Mr N.RajeshKumar	Dr.K Sivaraj	Dr N Gobalakrishnan	Dr.A.Yuvaraja
Name of the Department		Planning	Planning	Mechanical Engineering	Mechanical Engineering	Printing Technology	Printing Technology	Applied Science & Technology	Automobile Engineering	Manufacturing Engineering	Manufacturing Engineering	Geology	Geology	Geology
N		53	54	55	56	57	58	59	09	61	62	63	64	65



ANNA UNIVERSITY, CHENNAI-600025.

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Date & Time: 15.06.2022 @ 09.30AM

WELCOME to Esteemed Colleagues



Dr. R. Gunasekaran

P(CT) & Director-IQAC

CONTENTS

- ✓ NBA Quality Indicators
- ✓ Weightages
- ✓ Pre-qualifier
- ✓ SAR preparation
 - ✓ Part-A
 - ✓ Part-B
- ✓ Display of Documents

30-07-2022

Prof. R.G, Director-IQAC, Anna University

PREAMBLE

- NBA: Initially established by AICTE, in the year 1987, for periodic evaluations of technical institutions & programmes
- NBA: An autonomous body with effect from 7th January 2010
- Purpose: Assurance of Quality and Relevance of Education, especially of the programmes in professional and technical disciplines

30-07-2022

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SIGNIFICANCE OF ACCREDITATION

- To excel among stakeholders (peers, students, employers, societies etc.).
- To attain international recognition of accredited degrees awarded.
- To facilitate receiving of grants from Government regulatory bodies and institutions/agencies.
- To encourage the institute to move continuously towards the improvement of quality, and the pursuit of excellence.
- To facilitate institutions for updating curriculum, teaching and learning processes, faculty achievements, students' skills/abilities/knowledge.
- To make the institute/department aware of the weaknesses of and act on suggestions for improvement

30-07-202

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DIFFERENCE BETWEEN VISION & MISSION

- Mission statements are essentially the means to achieve the vision of the institution.
- If the vision is to create high-quality engineering professionals,
 - then the mission could be to offer a well-balanced programme of instruction, practical experience, and opportunities for overall personality development.

30-07-20

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DIFFERNCE BETWEEN PEOS & POS

- Programme Educational Objectives (PEOs) broad statements that describe the career and professional accomplishments that the programme is preparing graduates to achieve.
- Programme Outcomes (POs) Programme Outcomes are narrower statements that describe what students are expected to know and be able to do upon the graduation (skills, knowledge, and behaviour).

30-07-2022

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Cos & ASSESSMENT

- Course Outcomes (COs) -- Course Outcomes are narrower statements that describe what students are expected to know, and be able to do at the end of each course (skills, knowledge, and behaviour) through the course.
- Assessment One or more processes, carried out by the institution, that identify, collect, and prepare data to evaluate the achievement of PEOs & POs.

30-07-2022

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EVALUATION & MAPPING

- Evaluation Evaluation is one or more processes, done by the evaluation team, for interpreting the data and evidence accumulated through assessment practices. Evaluation determines the extent to which PEOs or POs are being achieved and results in decisions and actions to improve the programme.
- Mapping Mapping is the process of representing, preferably in matrix form, the correlation among the parameters.

30-07-2022

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GRADUATE ATTRIBUTES-1 (Kpin)

- Engineering Knowledge : Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

30-07-2022

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GRADUATE ATTRIBUTES-2 (MoSESE)

- Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of need for sustainable development.
- <u>Ethics</u>:Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

30-07-202

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GRADUATE ATTRIBUTES-3 (TeCoProLi)

- Individual and Team Work : Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- <u>Project Management and Finance</u>: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a <u>member and leader in a team,</u> to <u>manage projects</u> and in multidisciplinary environments.
- <u>Life-long learning</u>: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

30-07-20

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DIFFERENCE BETWEEN TIER I & II

- The TIER-I: Autonomous institutions and University Departments, while the TIER-II document is for nonautonomous institutions affiliated to a university.
- In both TIER-I and TIER-II documents, the same set of criteria have been considered for accreditation.
- In the TIER-I document, the criteria which are based on outcome parameters have been given more weightage, whereas in the TIER-II document, the weightage of the output-based criteria is more
- However, a non-autonomous institution may also apply for accreditation on the basis of TIER-I document, if they feel that their curriculum is capable of attaining the desired outcomes of a programme.

30-07-2022

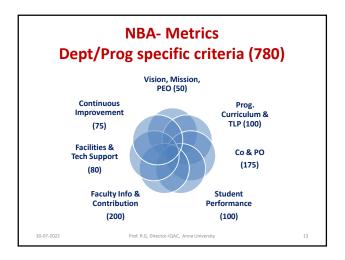
Prof. R.G, Director-IQAC, Anna University

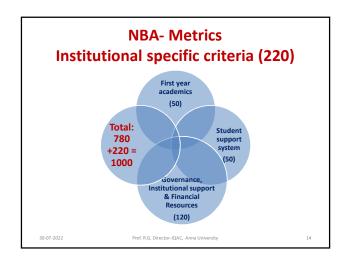
CRITERIA AND WEIGHTAGES FOR TIER-1 & TIER-2 COLLEGES

SI. Weightage Weightage Weightage

SI	(Ni Co Fo C C)	Weightage	Weight age
No.	criteria (Vi Go Fa C S)	for Tier-1	for Tier-2
1	Vision and Mission; PEOs	50	60
2	Program Curriculum & Teaching – Learning Processes	100	120
3	Course Outcomes and Program Outcomes	175	120
4	Student s' performance	100	150
5	Faculty information and contribution	200	200
6	Facilities & Technical support	80	80
7	Continuous improvement	75	50
8	First Year Academics	50	50
9	Student support systems	50	50
10	GO vernance, Institutional Support and Financial Resources	120	120

Prof. R.G, Director-IQAC, Anna University





NBA Weightages for sub categories-1 (Tier-1 institutions)

- · Cr-1: Vision, Mission, PEOs-50
- Cr-2: Curriculum & TLP-100
 - Curriculum-30
 - TLP- 70
- Cr-3: CO/PO- 175
 - Correlation-25
 - Attainment of CO-75
 - Attainment of PO-75

• Cr-4: Student performance-100

- Enrolment-20
- Succession rate-20
- Performance in 2nd yr-10
- Placement, Hr & ED -30
- Professional Activities-20

NBA Weightages for sub categories-2 (Tier-1 institutions)

- Cr-5: Faculty information & contribution-200

 - SFR-20 Cadr Cadre ratio-20
 - Qualification-20
 - Retention-10 Teaching innovation-10 FDP-15

 - R & D-75 Performance appraisal -10
- Adjunct faculty-10
- Cr-6: Facilities & Tech Support-80

 - Maintenance-10
 - Safety-10
 - Project Labs-20

- Cr-7: Continuous improvement-
 - Action taken on result analysis-30 Action taken on academic audit-15

 - Improvement in Placement / Hr. Studies/ED-10
 - Improvement on quality of students-20

Cr-8: First Year Academics-50

- FSR-5
- Qualification-5
- Performance -10 - Co attainment-10

NBA Weightages for sub categories-3 (Tier-1 institutions)

- Cr-9: Student Support Systems-50
 - Mentoring-5
 - Feedback-10
 - Feedback on Facilities-5
 - Self learning-5
 - Career guidance-10
 - Entrepreneur -5
 - Co-curricular-10
- · Cr-10: Governance, Institutional support & Financial resources-120
 - Organization/ Transparency - 55
 - Institutional budget-15
 - Program budget-30
 - Library/Internet-20

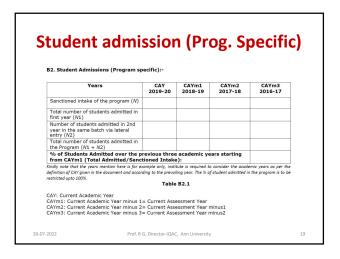
30-07-2022 Prof. R.G. Director-IOAC. Anna University

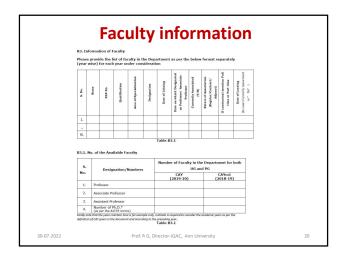
NBA: PRE-QUALIFIER

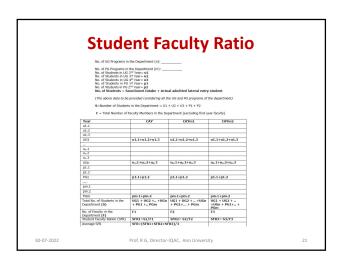
PROGRAM SPECIFIC INFORMATION

- Name of program
- Program applied level
- Start of year
- Year of AICTE approval
- Initial intake
- Intake increase
- Current intake - Accreditation status
- Program for consideration
- Student Admission
- Information of the Faculty
- Student Faculty Ratio (SFR)
- Placement Ratio/ Percentage

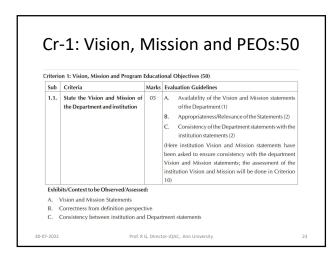
30-07-2022 Prof. R G, Director-IQAC, Ann University

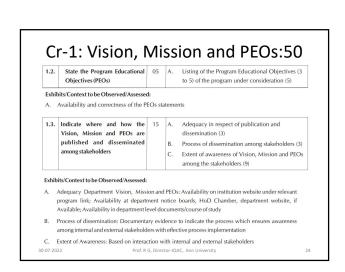


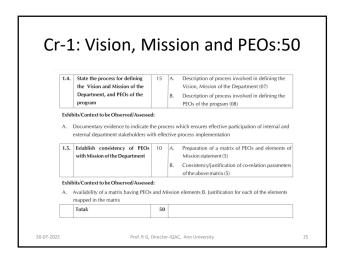


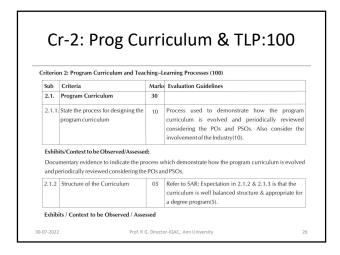


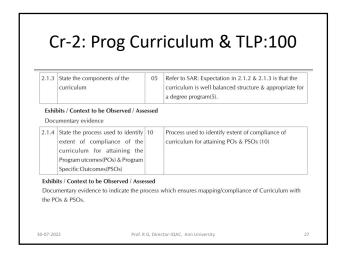
PART-A: Institutional information Name & address of · Programmes considered for accreditation Institution Name & address of Total number of affiliating university employees - A) Regular Year of establishment of institution - B) On contract · Total Number of Type of Institution engineering Students Ownership · Vision of Institution Other academic • Mission of Institution institutions Details of all the · Contact information of programs offered **NBA** coordinator

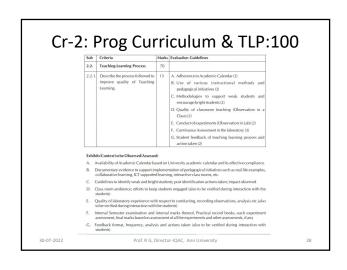


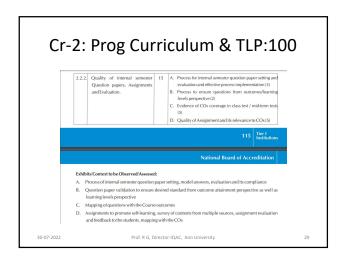


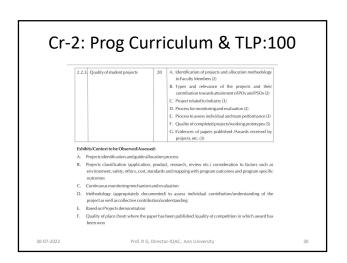


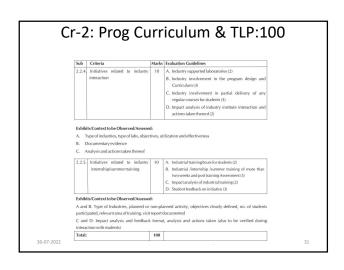


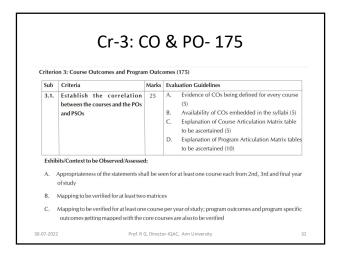




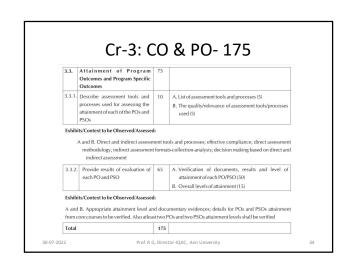




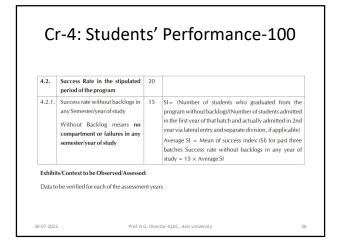


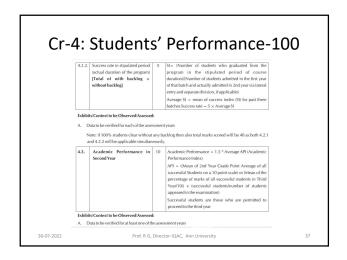


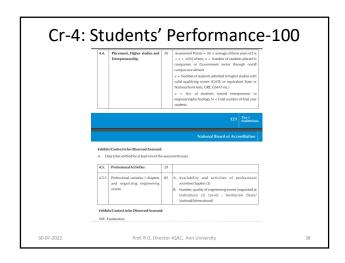
3.2.	Attainment Course Outcomes	75	
3.2.1	Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based.	10	A. List of assessment processes (2) B. The quality /relevance of assessment processes and tools used (8)
A an	d B. Evidence for appropriate assess	sment	processes including data collection, verification, analys
	ion making.	sment 65	A. Verify the attainment levels as per the benchmark se



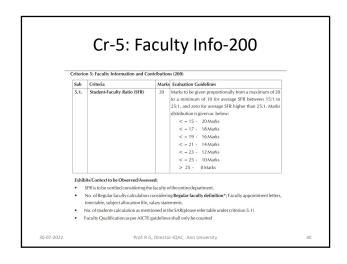
Sub Criteri 4.1. Enrolm	a nent Ratio (20)	Marks 20	Evaluation Guidelines
4.1. Enrolm	nent Ratio (20)	20	
		20	 A. > = 90% students enrolled at the First Year Level or average basis during the previous three academic years starting from current academic year (20) B. > = 80% students enrolled at the First Year Level or average basis during the previous three academic years (3) C. > = 70% students enrolled at the First Year Level or average basis during the previous three academic years starting from current academic year (16) D. > = 60% students enrolled at the First Year Level or average basis during the previous three academic years starting from current academic year (14) E. Otherwise '0'.
Exhibits/Conte	ext to be Observed/As	sessed:	



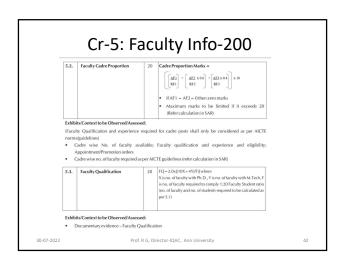


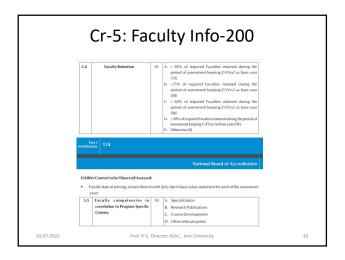


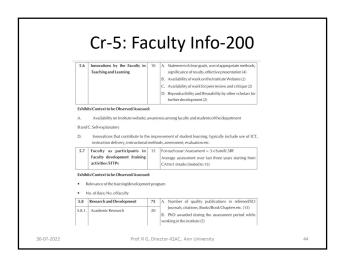
	r-4: Student		
4.5.2.	Publication of technical magazines, newsletters, etc.	05	A. Quality and Relevance of the contents and Prin Material (3) B. Participation of Students from the program (2)
	ts/Context to be Observed/Assessed ocumentary evidence	d:	
A. E	ocumentary evidence		ation (also to be confirmed during interaction with the A. Events within the state (2)
A. E B. E	ocumentary evidence ocumentary evidence - Students tudents)	particip	A. Events within the state (2) B. Events outside the state (3) C. Prizes/awards received in such events (5)
A. E B. E s 4.5.3.	ocumentary evidence ocumentary evidence - Students tudents) Participation in inter-institute events by students of the program of study (at other	particip 10 d:	Events within the state (2) Events outside the state (3) Prizes/awards received in such events (5)

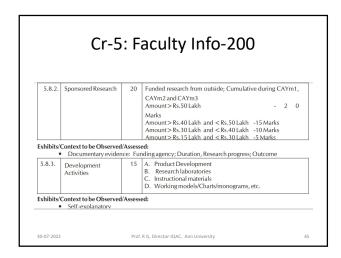


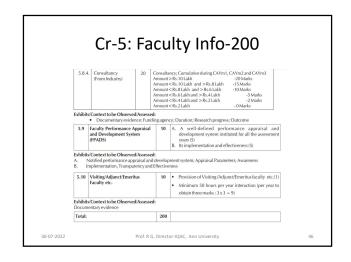
	Cr-5: Fa	aculty Info-200	
	5.2. Faculty Cadre Proportion	20 Cadre Proportion Marks = \[\begin{align*} \begin{align*} \text{AZI x \ 0.6} & \text{AZI x \ 0.6} \\ \text{BZI x \ 0.6} & \text{BZI x \ 0.6} \\ \text{BZI x \ 0.6} & \text{BZI x \ 0.6} \\ \text{MAXI mum marks to be limited if it exceeds 20 (Refer calculation in SAR)} \end{align*}	
	norms/guidelines) Cadre wise No. of faculty as Appointment/Promotion orders	sed: required for cadre posts shall only be considered as per AICTE vailable; Faculty qualification and experience and eligibility; as per AICTE guidelines (refer calculation in SAR)	
	5.3. Faculty Qualification	20 FQ=2.0k[10X+4Y)F]] where X is no. of faculty with Ph.D., Y is no. of faculty with M.Tech, F is no. of aculty required to comply 1;20 Faculty Student ratio inc. of faculty and no. of students required to be calculated as per 5.1)	
	Exhibits/Context to be Observed/Asses Documentary evidence – Faculty O		
30-07-2022	Prof. R	G, Director-IQAC, Ann University	41

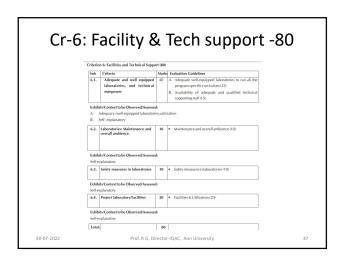


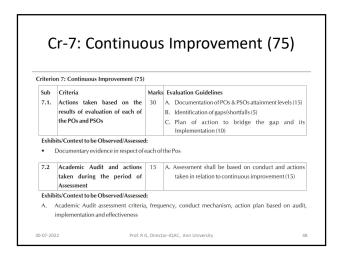




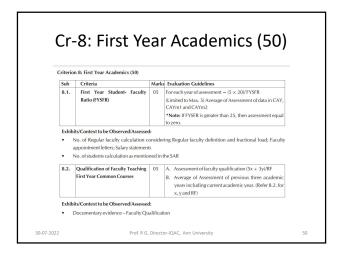




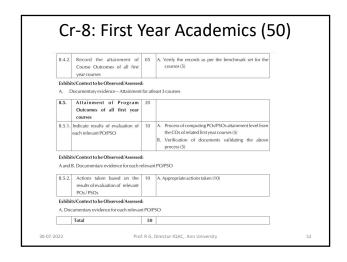




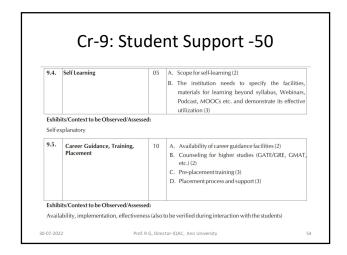
7.3.	Improvement in Placement, Higher Studies and Entrepreneurship	10	Assessment is based on improvement in: (Refer placement index 4.5). A Improvement in Placement numbers, quality, core hiring industry and pay packages (5). B. Improvement in Higher Studies admissions for pursuing PhD. in premier institutions (3). C. Improvement in number of Entrepeneurs (2). (Marks to be given proportionately considering nos. in the base year CAPTO.)
-	oits/Context to be Observed/Assessed and C: Nos. in each year of the assessn		nprovement considering CAYm3 as a base year
7.4.	Improvement in the quality of students admitted to the program	20	A. Assessment is based on improvement in terms of ranks/score in qualifying state level/national level entrances tests, percentage Physics, Chemistry and Mathematics marks in 12th Standard and percentage marks of the lateral entry students.
Exhi	pits/Context to be Observed/Assessed	i:	,
Α.	Documentary evidence - list of st comparative status considering CAYs		admitted; admission authority guidelines; ranks/scores; base year
	Total:	75	

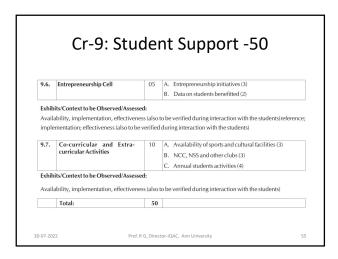


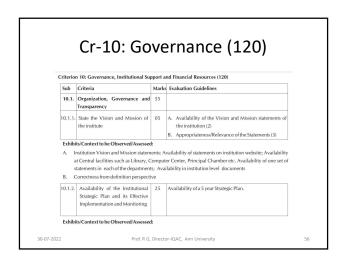
8.3.	First Year Academic Performance	10	Academic Performance – ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of masks in First Year old successful students/10)) x (successful students/number of students appeared in the examination) (Successful students are those who are permitted to proceed to the Second year)
	its/Context to be Observed/Assessed Data to be verified for at least one o		ssessment years
8.4.	Attainment of Course Outcomes of first year courses	10	
8.4.1	Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is based.	05	A. List of assessment processes (1) B. The relevance of assessment tools used (4)

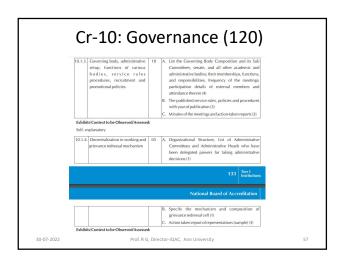


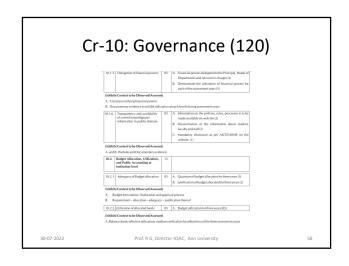
	Cr-9: Stud	er	nt Support -50	
_	9: Student Support Systems (50)			
9.1.	Criteria Mentoring system to help at individual level	Marks 05	A. Details of the mentoring system that has be developed for the students for various purposes at also state the efficacy of such system (5)	
	Mentoring system terms of referenteraction with the students) Feedback analysis an /reward corrective measures taken, if any		plementation; effectiveness (also to be verified durin A. Methodology being followed for analysis of feedback and its effectiveness (5) B. Record of corrective measures taken (5)	
	ts/Context to be Observed/Assesser reedback questions, collection proce			
9.3.	Feedback on facilities	05	A. Feedback collection, analysis and corrective action (5	
_	ts/Context to be Observed/Assesser	d:		

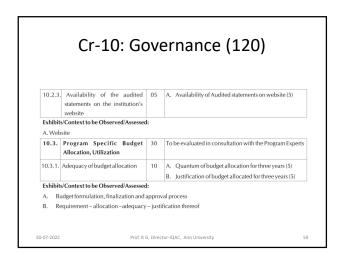


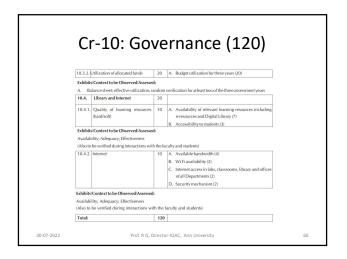




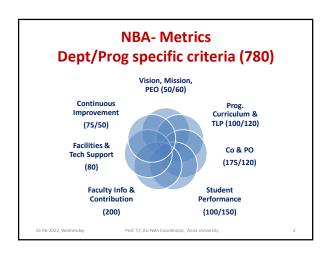


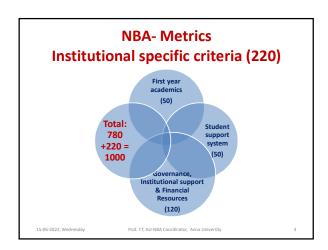












NBA Weightages for sub categories-1 (Tier-1 institutions) Cr-1: Vision, Mission, • Cr-4: Student PEOs-50 performance-100 Cr-2: Curriculum & TLP-Enrolment-20 100 - Succession rate-20 - Curriculum-30 - Performance in 2nd - TLP- 70 yr-10 Cr-3: CO/PO- 175 - Placement, Hr & ED -- Correlation-25 - Attainment of CO-75 Professional - Attainment of PO-75 Activities-20 15-06-2022. Wednesday Prof. T.T. AU-NBA Coordinator. Anna University

NBA Weightages for sub categories-2 (Tier-1 institutions) Cr-5: Faculty information & contribution-200 Cr-7: Continuous improvement-Action taken on result analysis-30 SFR-20 Action taken on academic audit-15 Improvement in Placement / Hr. Studies/ED-10 Cadre ratio-20 Qualification-20 Retention-10 Teaching innovation-10 Improvement on quality of students-20 R & D-75 Performance appraisal -10 Cr-8: First Year Academics-50 Adjunct faculty-10 FSR-5Qualification-5 Cr-6: Facilities & Tech Support-80 Lab-40 Performance -10 Maintenance-10 Co attainment-10 Safety-10 - PO attainment-20 Project Labs-20

NBA Weightages for sub categories-3 (Tier-1 institutions) • Cr-10: Governance, • Cr-9: Student Support Institutional support & Systems-50 Financial resources-120 - Mentoring-5 - Feedback-10 Organization/ Transparency - 55 - Feedback on Facilities-5 Institutional budget-15 - Self learning-5 - Program budget-30 - Career guidance-10 - Library/Internet-20 - Entrepreneur -5 - Co-curricular-10

AWARD OF ACCREDITATION FOR SIX YEARS:

Y	С	W	D
>=7	<=3	0	0

- NO "Deficiency" or "Weakness" in any of the criteria and at least seven criteria must be fully compliant with only "Concerns" in the remaining criteria.
- Ph.D. in the department should be greater than or equal to 30 per cent of the required number of faculty averaged over two academic years i.e. (CAY) and (CAYM1).
- The admissions in the UG program should be more than or equal to 60 per cent, averaged over three academic years (including lateral entry), (CAYm1), (CAYm2) and (CAYM3).

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Award of Accreditation for Six Years contd/-:

- Faculty Student Ratio in the department should be less than or equal to 1:20 averaged over three academic years i.e. (CAY), (CAYM1) and (CAYM2).
- At least 2 Professors or 1 Professor and 1 Associate Professor (on regular basis) with Ph.D. degree should be available in the respective department for two academic years i.e. (CAY) and (CAYM1).
- ➢ HoD of the program under consideration should possess Ph.D. degree in the Current Academic Year (CAY)

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INSTITUTION SPECIFIC DETAILS-1

- Composition of Syndicate GC/GB, Senate and other Academic and Administrative bodies, their functions and responsibilities. List of all the meetings held in the past 3 years along with the attendance records, minutes and action-taken reports of a few meetings of such bodies along with the list of current faculty members.
- Rules, policies and procedures published by the Institution including service book and academic regulations along with the proof that the employees/students are aware of the rules and procedures.
- ${\bf 3.} \quad {\bf Budget\ allocation\ and\ utilization:\ Audited\ Statement\ of\ Accounts.}$
- 4. Informative web site.
- 5. Library resources books and journal holdings.

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INSTITUTION SPECIFIC DETAILS -2

- 6. Listing of core, computing and manufacturing facilities, etc.
- 7. Records of T & P. career and guidance cells.
- 8. Records of safety checks and critical installations.
- 9. Medical care records and usages of ambulance, etc.
- 10. Academic calendar, schedule of tutorial and makeup classes.
- 11. Handouts/files along with Outcomes; list of additional topics to meet the outcomes.
- 12. Set of question papers, assignments, evaluation schemes, etc.
- 13. Feedback form, analysis of feedback and corrective actions.
- Documented feedback received from the stake-holders (e.g., Industries, Parents, Alumni, Financiers, etc.)
- 15. List of faculty along with their qualifications teaching first year courses.
- 16. Results of the First Year students.

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PROGRAM SPECIFIC DETAILS-1

- P.1. NBA accreditation reports of the past visits, if any.
- P.2. **Department budget** and allocations (last 3 years data).
- P.3. Admission seats filled and ranks (last 3 years data).
- P.4. List/Number of students who **cleared the program in 4 years** (last 3 years data).
- P.5. Average Grade point (CGPA) (last 3 years data of students' CGPA/ percentage).
- P.6. Placement and higher studies data (last 3 years data).
- P.7. Professional society activities, events, conferences organized, etc.
- P.8. List of students' papers along with hard-copies of the publications, magazines, etc.
- P.9. Sample best and average **project reports/theses**.

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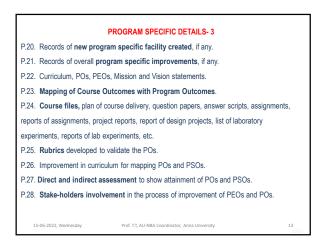
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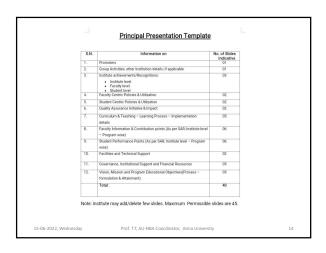
PROGRAM SPECIFIC DETAILS- 2

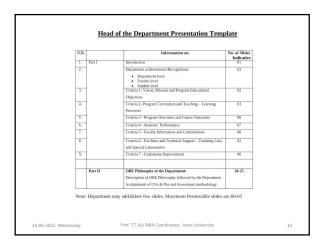
- P.10. Details of faculty student ratio.
- P.11. Faculty details with their service books, salary details, sample appointment letters, promotion and award letters.
- P.12. Faculty list with designation, qualification, joining date, R & D, interaction details.
- P.13. List of faculty publications along with DOIs and publication/citation details.
- P.14. List of R & D and consultancy projects along with approvals and project completion reports
- P.15. List and proofs of faculty interaction with outside world.
- P.16. List of class rooms, faculty rooms.
- P.17. List of program specific labs and computing facility within department.
- P.18. List of non-teaching staff with their appointment letters etc.
- P.19. List of short-term courses, workshop arranged and course-modules developed.

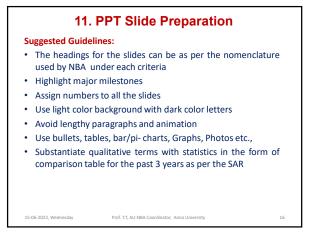
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General Tips to prepare PPTs-2

- Name of the Dept/Centre/ Campus
- Assign numbers to all the slides
- Avoid animation
- Use light color background with dark color letters
- Avoid lengthy paragraphs
- Use bullets, tables, bar charts, pi-diagram, Graphs etc.,

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General Tips to prepare PPTs-3

- Use relevant photos to avoid monotony
- Substantiate qualitative terms with statistics in the form of comparison table for the past 5 years as per the SSR
- The headings for the slides can be as per the nomenclature used by NAAC under each criteria

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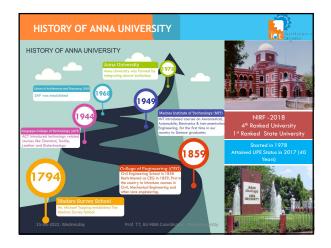
MAJOR MILESTONES

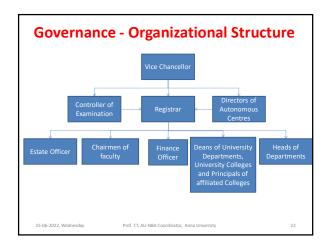
- Anna University: 4.9.78
- 246 acres, 4 campuses, 13 const. colleges, 3 regional campuses, 593 affiliated colleges
- 29 UG, 90 PG & 16,000 students in Univ. Depts.
- 41 UG & 57 PG & 7.2 L students in Affiliated colleges
- 14,000 Ph.D scholars
- Illustrious Alumni:
- CEG: Dr. Verghese Kurien (white revolution)
- MIT: Dr. APJ Abdul Kalam , 11th President of India
- ACT: Dr. T. Ramasami, DST Sec SAP: Mr D. Udayakumar, Rupee Symbol Designer

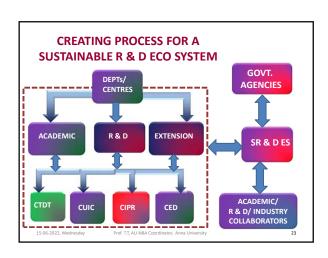
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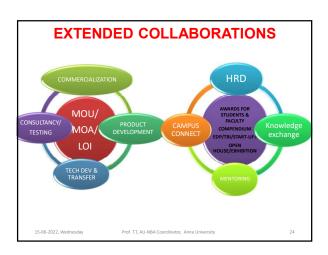
 QS WU-Ranking: 801-1000 NIRF-2020: O-20, U-12,E-14,A-18.M-59 NAAC-2014: 3.46/4 (A Grade) UGC-UPE National Facilities: CGC, IRS, NHHID, NCSCM Active R & D centers:12 Departments:34 AU Professors as Vice Chancellors/ Directors: 23 (10 State Univ)

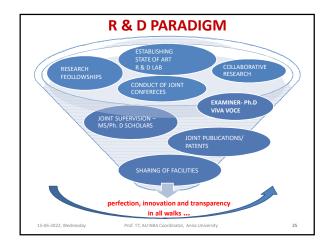
YEARS OF $224\,$ Technical **EXCELLENC**

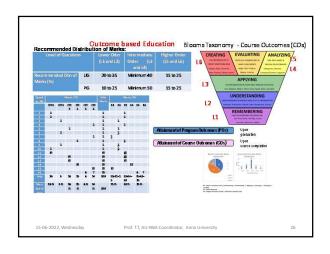


































Suggestions for maintaining the Campus/Centre/ Department-1

- Welcome board to the NBA Expert team members
- Name boards for the Centers/ Dept/ Division/ Labs/ Class rooms/Dept library/ Project lab/ Smart class room/ Seminar hall/ Staff room/ Rest room (For ladies and gents) etc.,
- Notice boards (sufficient numbers, with partition, sub headings to display items relevant to General, Staff, Student, R & D, Academic etc.,)
- Seminar hall for presentation of PPT slides to the NBA team
- Room with good ambience and with display stands/tables for displaying all the files, documents, registers etc as per 7 criteria

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Suggestions for maintaining the Campus/Centre/ Department-2

- Display of name list of Staff (T , NT and Admn.)
- Display boards for every lab with details of Staff in-charge, List of major equipment, List of important experiments etc.,
- Display of important equipment in respective labs along with its name plate details
- Display of Charts, Scientists photos, Dept Vision & Mission, First aid charts, Dos/Don'ts, Fire extinguishers in the labs
- White wash/ Color wash / Painting
- Flower pots & Dust bins
- · Refurbishing the rest rooms (wherever necessary)

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Suggestions for maintaining the Campus/Centre/ Department-3

- Display of Course files (Assignments, Tutorials, lesson plans, Old QP, corrected answer sheets etc)
- Display of lab records, Attendance registers, Issue registers, Stock registers, Syllabus book & Maintenance register
- Display of list of publications, books published, Manuals authored, Monograms published, MOUs signed, details of Special chairs created
- Display of All other files/ documents / registers pertaining to 10 NBA Criteria

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7

3. RECEPTION WITH RED CARPET WELCOME

Responsibilities:

- Flower Bouquets for reception at Hotel (for PTV)
- Flower Bouquets for reception at AU Admin block (for both)
- Ponnadai (8 + 8)
- Red carpet welcome at Admin block (for both)
- NCC cadets salute (for both)
- Flower pots in the Admin Block
- Request for budget
- Any other related work

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4. CAMPUS IMPROVEMENTS / MAINTENANCE

Responsibilities:

- Minor repair works in Buildings/ Rest rooms
- Colour wash- Admin building
- Colour wash- CUIC building
- Colour wash of other buildings
- Campus cleaning (Removal of Bushes, Construction material, Debris)
- Generator to Admin block on 3 days (both)
- Booklet on Infrastructure developed (past 5 years)
- Any other related work

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5. VIDEO AND PHOTO COVERAGE

· Responsibilities:

- Photos & Video Coverage for First day FN and Last Day AN (for EMV)
- Photos for all the 3 days (for PTV) as per NAAC guidelines
- Video coverage for all the 3 days (PTV) as per NAAC guidelines for 4 teams
- Vehicle arrangements for the photo/video team to accompany the EMV/PTV for 4 teams
- Request for Budget
- Any other related work

15-06-2022, Wednesda

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6. LOGISTICS

· Responsibilities:

- Vehicle arrangements for accompanying teams
- Coordination with Hospitality/Reception/ Campus visit committees
- Request for budget
- Any other related work

7. FOOD AND REFRESHMENTS-1

- Refreshments (FN) at syndicate hall and Academic Council Hall
- Lunch in the guest house
- Refreshments (Eve) at stakeholder meeting venues
- Dinner

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8. HALL ARRANGEMENTS (SYNDICATE HALL)

Responsibilities:

- Seating arrangement for NBA Experts
- Seating arrangement for AU Team (VC, R, IQAC Coordinator, NAAC Coordinator, D- P & D, FO, Deans)
- PA System, Air conditioning, LCD Projector, Computer System, Placards, Collect Ponnadai from Reception committee
- Generator (with the help of EO Team)
- Loading PPT slides
- Coordinating with Food & Refreshments Team

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8. HALL ARRANGEMENTS

Responsibilities:

- NBA Team Discussion Room
- Venue and facility for secretarial assistance
- Venue and facility for Stake holders meeting
- Venue and facility for Display of Documents
- · Venue and facility for Exit meeting
- Generator, PA systems, Computers, Printer, LCD Projector

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9. Interaction with Stakeholders

- Students: UG, PG, PhD (Boys, Girls, Day-scholars, Hostlers)-100
- Faculty: AP, Assoc Prof, Professor (Male, Female, all campuses)- 100
- Non-Teaching: Technical, Admin; Male & Female, Different cadres-60
- Employers: (Core, IT Product, IT Services, Covering 8 Faculties)-25
- Alumni: (Male, Female)-25
- Parents: 25
- Syndicate Members: Lunch on Meeting

15.06.2022 Wednesda

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LIST OF STAKE HOLDERS

- Management Committee
- Head of the Institution
- Faculty
- Non-teaching & Admin Staff
- Students
- Parents
- Employers
- Alumni

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Key areas: Management committee

- Involvement in framing Vision / Mission
- Translation of Vision/Mission
- · Filling of vacancies
- Grievance redressal mechanism
- Welfare programmes
- Future Plans
- Plans to generate resources
- Mechanism to initiate new programs/modify existing programs

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HODs' Interaction-1

- · What are your roles and responsibilities?
- What are the characteristics that make this programme good or unique?
- What are your views on the employability of your students?
- Are the students exposed to issues related to globalization and changing technologies?
- What proportion of final year projects are industry based?
- How do you supervise the industry based student projects?
- What proportion of final year projects is research-oriented?
- Is the course material made available to students?

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HODs' Interaction-2

- Where do students perform their assignment work?
- Are separate working spaces for group work available?
- What are the modern tools used for teaching?
- How is exposure to professional practice monitored and assessed?
- What are the overall quality mechanisms that ensure appropriateness of outcomes?
- How is academic faculty involved in achieving Graduate Attributes?
- What efforts are made to ensure that assessment truly assesses the student learning outcomes in each subject?
- How are course outcomes and assessment measures at the unit level tracked to close the loop, on delivery of targeted graduate outcomes?

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HODs' Interaction-3

- What are the roles of the Programme Coordinator, course coordinators and academic faculty in programme review and quality improvement?
- How often does the faculty meet as a teaching team to discuss programme improvement issues?
- To what extent is improvements made from student feedback?
- What are the mechanisms available for formal/documented student feedback?
- What changes have been made to the programme as a result of your evaluation?
- What is the process used for making changes to the programme outcomes?
- What programme changes have been made from the input by industry-institute interaction partnership cell?
- What are the strengths and weaknesses of your department and support departments?
- How much time is available to the faculty for professional development?
 What is the budget for faculty professional development?

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Faculty Members' Interaction-1

- · What are the PEOs and POs you teach and support ?
- · What is your role in assessment/evaluation of PEOs and POs?
- What is the Professional development you have received during the past 3 years?
- · How does your research activity benefit the UG program?
- How is the engineering design skill embedded in your UG Programme?
- How do you ensure student exposure to issues related to globalization and changing technologies?
- · How much time you devote for your professional development?

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Faculty Members' Interaction-2

- What professional society are you a member? How it is beneficial to you?
- · What unique/unusual teaching methods are used in the department?
- · What is the impact of industry-institute interaction on POs?
- · What is your role in the continuous improvement of the program?
- How often the staff meeting is held to discuss program improvement
 issues?
- What are the other consultation/grievance mechanisms available?
- · How do you balance your load between teaching and research?
- · What are the unwanted things happening in the program?

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Key areas: Non-teaching and Admn staff

- Staff development programmes
- Staff view of the value of their contribution to the institutions
- Relationship with faculty
- User friendly approach towards students
- Staff welfare programmes
- · Grievance redressal mechanism
- · Level of computer literacy and use

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Parents' interaction

- The nature of interaction with the college authorities/HOD/Faculty members and frequency
- Knowledge about Vision/ Mission/ PEOs/ POs/ Curriculum/ Syllabus /Cos
- Role in framing the Vision/ Mission/ PEOs/ POs/ Curriculum/ Syllabus /Cos
- Rubrics used to validate the POs
- Role in continuous improvement PEOs, POs, Cos through survey
- Facilities for overall development of wards
- Anti ragging committee
- Training & Placement Guidance
- Higher education guidance
- Career counseling methods
- $\bullet \quad \text{Suggestions for the improvement of the institution and areas in which they can contribute} \\$

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Employers' Interaction

- The nature of interaction with the College authorities/HOD and frequency
- Knowledge about Vision/ Mission/ PEOs/ POs/ Curriculum/ Syllabus /Cos
- · Role in framing the Vision/ Mission/ PEOs/ POs/ Curriculum/ Syllabus /Cos
- Rubrics used to validate the Pos
- Role in continuous improvement PEOs, POs, Cos through survey
- Core competency of the students and their industry readiness
- Facilities provided by the institution during the Placement/Internship Process
- Suggestions for the improvement of the institution and areas in which they can contribute

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Students' Interaction-1

- Comment on facilities such as laboratory, IT access, information resources and project work, Central facilities.
- Are you providing feedback as part of a quality/programme improvement mechanism?
- Have issues such as globalization, ethics and sustainable practices been addressed yet?
- What do you think are the key attributes an employer would be looking for in a graduate engineer?
- How effective is laboratory learning? Are experiments prescriptive or open ended?
- What has been the nature of project-based learning activity in the programme? Have you
 been confronted with multi-disciplinary, open ended, complex projects? Has it been
 necessary to consider factors such as social, environmental, safe practices and ethical
 matters?

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Students' Interaction-2

- Have you been involved in any team based learning activities yet? Have you become a good team
 player and/or team leader? Are you assessed for your team performance?
- · What skills are you expected to acquire at the time of graduation?
- Are you acquiring the expected / required skills?
- Are the faculty members competent in the subjects they teach?
- · Why did you choose this institution/department / programme?
- Are the laboratory equipment /tools/accessories well-maintained?
- How good is the hands-on experience?
- What type of job can you get as a graduate of this programme? At what salary?
- Would you recommend this program to a friend?

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Alumni Interaction

- The nature of interaction with the College authorities/ HOD and frequency
- · Competencies developed at the college
- Knowledge about Vision/ Mission/ PEOs/ POs/ Curriculum/ Syllabus /Cos
- Role in framing the Vision/ Mission/ PEOs/ POs/ Curriculum/ Syllabus /Cos
- Rubrics used to validate the POs
- Role in continuous improvement PEOs, POs, Cos through survey
- Alumni contribution for institutional development
- Alumni meetings-nature and outcome
- Suggestions for active functioning of alumni association
- Suggestions for the improvement of the institution and areas in which they can contribute

15-06-2022, Wednesday

Prof TT ALL-NRA Coordinator Anna University

ஊர் கூடி தேர் இழுப்போம்



15-06-2022, Wednesday

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Outcome Based Education (OBE) Dr S.BASKAR **Professor, TCE**

Contents

- · Traditional Education
- Outcome Based Education (OBE)
- · Key Components of OBE
- · Benefits of OBE
- · PEO, GAs, POs and COs
- · Content delivery
- · Assessment methods



Traditional Education

- Provides students with a learning environment with little attention to whether or not students ever learn the material.
- Students are given grades and rankings compared to each other - students become exam oriented or CGPA driven.
- · Graduates are not completely prepared for the workforce.
- Lack of emphasis on soft skills needed in jobs e.g. communication skills, interpersonal skills, analytical skills, working attitude etc

Outcome Based Education (OBE)

- Starting with a **clear picture** of what is important for students to be able to do
- Then organizing the Curriculum, delivery and assessment to make sure learning happens...

Course, Degree, Programme Course is a unit of teaching, which encompasses various topics, that typically lasts one semester, is led by one or more faculty and has a fixed registered students. Programme - Cohesive arrangement of courses, cocurricular and extra-curricular activities to accomplish predetermined objectives leading to the awarding of a Academic award conferred upon a student on successful completion of a program designed to achieve the defined attributes

Outcome Based Education What students will be able to do by the time and after few years of graduation? 'Learner Centric', rather than the traditional 'Teacher Continuous improvement in the educational (Teaching-Learning) process Preparing Graduates to fit themselves globally

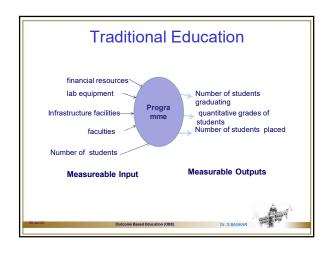


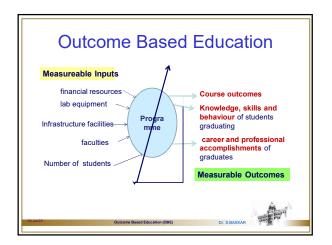
Effective and innovative Content delivery methods,

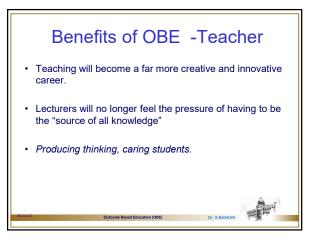
Learning Process



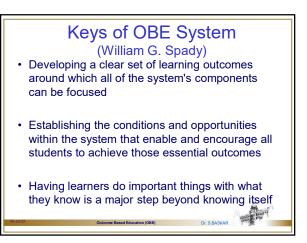
Why OBE International recognition and Global employment opportunities More employable and innovative graduates with professional and soft skills, social responsibility and ethics Better visibility and reputation of technical institution among stakeholders Improving the commitment and involvement of all stakeholders Enabling graduates to excel in their profession and career accomplishments Preparing graduates with leadership positions and challenging technology development opportunities

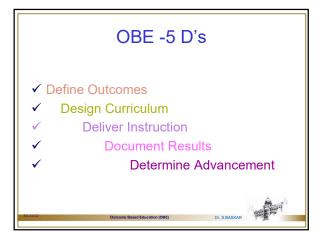






OUTCOME BASED ACCREDITATION (OBA) Programmes to be accredited from March 2013 onwards will have to be based on OBE approach! NO OBE = NO ACCREDITATION Outcome Based Education (OBE) D. S. BASKAR

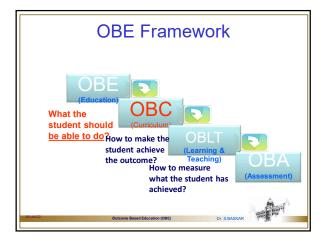




OBE Assumptions

- all learners can learn and succeed;
- success breeds success; and
- "teaching institutions" control the conditions of success.





Key Components of OBE

- · Vision and Mission of the Institute
- Vision and Mission of the Department
- Programme Educational Objectives (PEOs)
- · Graduate Attributes (GAs)
- Programme Outcomes (POs)
- Course Outcomes (COs)
- · Programme Specific Criteria



VISION AND MISSION OF THE INSTITUTION

Vision:

 Vision is a picture of the future you seek to create, described in the present tense, as if it were happening now. It shows where we want to go, and what we will be like when we get there.

Mission:

 Mission statement defines what an institution is, why the institution exists, its reason for being. It defines what are we here to do together

Department - VISION AND MISSION

- The vision and mission of the department should be correlated with the mission and vision of the institution.
- more focused on the theme area and based on the SWOT analysis.
- A mission statement might include a brief history and philosophy of the academic programme, the type of students to be served, the academic environment and primary focus of the curriculum, faculty roles, the contributions to and connections with the community, the role of research.

Programme Educational Objectives (PEOs)

- PEOs are broad statements that describe the career and professional accomplishments that the programme is preparing graduates to accomplish after 3 to 5 years of graduation.
- PEOs should be measurable, appropriate, realistic, and achievable.
- PEOs addresses needs of the stakeholders



Guidelines for the PEOs

- PEOs should be consistent with the mission of the Institution
- The number of PEOs should be manageable
- PEOs should be achievable by the programme
- PEOs should be specific to the programme and not too broad
- PEOs should be based on the needs of the constituencies



Program Educational objectives (PEOs) –An Example

- Successful Careers (PEO#1): Graduates of the programme will have successful technical or professional careers.
- Lifelong Learning (PEO#2): Graduates of the programme will continue to learn and to adapt in a world of constantly evolving technology.



PEOs

- Develop assessment methods for each PEO to measure the attainment with expected attainment level for each PEO
- generally a good idea to identify between three and five
- Publish and Disseminate the PEOs among the stakeholders.
- Check for the consistency of the PEOs with the mission statements of the Department.

Table 1

PEOs Assessment

PEO #1:

- Level of technical or professional contribution according to employer
 Goal: 95% or more of graduates meet or exceed expectations
- Percentage of graduates working in technical or professional careers or
- Percentage of graduates working in technical or professional careers or enrolled in graduate or professional school
 - Goal: 95% or more of graduates meet or exceed expectations
- Percentage who are working towards another degree since graduation

 Goal: 30% or more of graduates meet or exceed expectations
- Percentage who have published a conference or journal article since
 - Goal: 10% or more of graduates meet or exceed expectations
- Percentage who have filed for a patent since graduation
- Goal: 5% or more of graduates meet or exceed expectation
- Percentage who have had a patent granted since graduation
- -- Goal: 3% or more of graduates meet or exceed expectations



PEOs Assessment

PEO#2:

- Level of success in learning new areas, engaging in professional development, and adapting to technological change according to employer.
- Measurement: Employer survey. Goal: 95% or more of graduates meet or exceed expectations.
- Percentage of graduates who consulted a journal or conference article to solve a problem since graduation.

 Measurement: Alumni survey. Goal: 25% or more.
- Percentage who have taken a class or attended a seminar since graduation.
- Measurement: Alumni survey. Goal: 50% or more.
- Percentage who attended a conference or professional meeting since graduation.

 Measurement: Alumni survey. Goal: 50% or more.
- Percentage who obtained another degree since graduation.

 Measurement: Alumni survey. Goal: 25% or more.



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Graduate Attributes (GAs)

- A set of individually assessable outcomes that are the components indicative of the graduate's potential to acquire competence to practice at the appropriate level.
- The GAs are exemplars of the attributes expected of a graduate from an accredited programme.
- International Engineering Alliance IEA Washington Accord (UG-Engg), Sydney Accord (Diploma) , Dublin Accord (ITI)
- · Seoul Accord -Computer professionals



Summary of Graduate Attributes



- Engineering knowledge
- Problem analysis
- Design & Development of Solutions
- Investigation of Complex Problem
- Modern tool usage
- Engineer and society
- Environment& sustainability
- Ethics
- Individual & team work
- Communication
- Lifelong learning
- Project management & finance



IEA-Graduate Attributes Ver-3.0

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

IEA-Graduate Attributes Ver-3.0

- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for the sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as Individual and team work: Function enecuvery as an individual energy as an individual energy as an individual energy as an individual energy and team work and te sed Education (OBE)

IEA-Graduate Attributes Ver-3.0

- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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Programme Outcomes (POs)

- POs describe what students should know and be able to do at the end of the programme.
- · POs are to be in line with the graduate attributes of IEA.
- POs are to be specific, measurable and achievable.
- POs transform the PEOs into specific student performance and behaviors that demonstrate student learning and skill development

Programme Outcomes -Dimensions

Knowledge Outcomes

 Pertain to grasp of fundamental cognitive content, core concepts, basic principles of inquiry, a broad history

Skills Outcomes

 Focus on capacity for applying basic knowledge, analyzing and synthesizing information, assessing the value of information, communicating effectively and collaborating

Attitudes and Values outcome

• Encompass affective states, personal/professional/social values and ethical principles

Behavioral Outcomes

 Reflect a manifestation of knowledge, skills and attitudes as evidenced by performance, contributions.

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Programme Outcomes -Guidelines

- Describe student performance, not teacher/professor performance
- · Describe learning product, not process
- Are specific without simply stating the subject matter to be learned
- Stick to one type of result for each outcome (e.g., do not say "Knows the scientific method and applies it effectively")
- Start with an action verb that indicates observable and measurable behavior

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Programme Outcomes -Contd.

- Develop assessment methods for each PO to measure the attainment.
- Publish and Disseminate the POs among the students and faculty.
- Check for the consistency of the POs with the PEOs of the Programme and Graduate Attributes.

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PROGRAMME SPECIFIC CRITERIA (PSC)

- Each programme must satisfy a set of criteria specific to it, known as Programme Specific Criteria which deal with the requirements for engineering practice particular to the related sub-discipline.
- · concern about curricular issues and qualifications of faculty.
- The programme curriculum is to be provided in correlation with the programme specific criteria.
- NBA adopts PSC specified by appropriate American Professional societies such as ASME, ASCE, IEEE etc.
- The institution shall provide evidence that the programme curriculum satisfies the PSC , and industry specific criteria and industry interactions/internship.

ome Based Education (OBE)

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PROGRAMME SPECIFIC CRITERIA

Program Criteria for Civil and Similarly Named Engineering Programs

Lead Society: American Society of Civil Engineers (ASCE)

These program criteria apply to engineering programs including "civil" and similar modifiers in their titles.

1. Curriculum

• The program must prepare graduates to apply knowledge of mathematics through differential equations, calculus-based physics, chemistry, and at least one additional area of basic science, consistent with the program educational objectives; apply knowledge of four technical areas appropriate to civil engineering; conduct civil engineering experiments and analyze and interpret the resulting data; design a system, component, or process in more than one civil engineering context; explain basic concepts in management, business, public policy, and leadership; and explain the importance of professional licensure.

Outcome Based Education (OBE)

Dr. S.BASKAR

PROGRAMME SPECIFIC CRITERIA

Program Criteria for Computer Science and Similarly Named Computing Programs

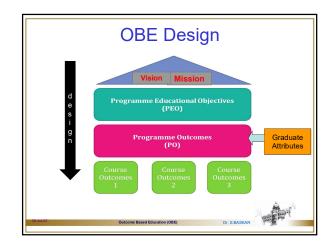
- Lead Society: Institute of Electrical and Electronics Engineers (IEEE) Cooperating Society for Computer Engineering Programs: CSAB
- These program criteria apply to computing programs using computer science or similar terms in their titles. The program must enable students to attain, by the time of graduation:
- An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- An ability to apply design and development principles in the construction of software systems of varying complexity.

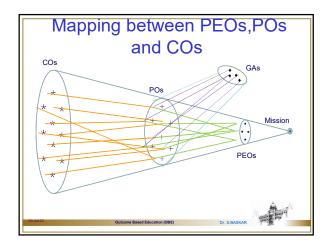
Outcome Based Education (OBE)

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Course Outcomes

- The course outcomes must state the major skills, knowledge, attitude or ability that students will acquire.
- Course outcomes should be expressed in terms of measurable and/or observable behaviors
- Course Outcomes should be agreed upon by the faculty in a program and should drive program outcomes.
- Course outcomes should begin with an action verb (e.g., write, install, solve, and apply).





Content delivery

- Lecture
- · Lecture with discussion
- Demonstrations
- · Group discussion
- Debate
- Technical Quiz
- Seminar
- · Mini-project
- · Asynchronous discussions



Assessment Tools

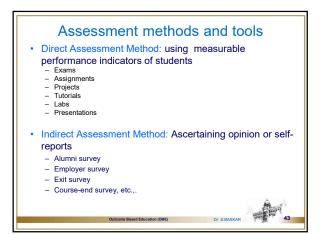
- Direct methods display the student's knowledge and skills from their performance in the continuous assessment tests, end-semester examinations, presentations, and classroom assignments etc.
- These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

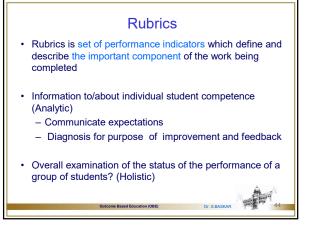


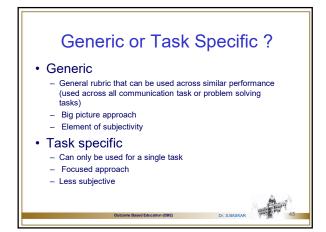
Assessment Tools

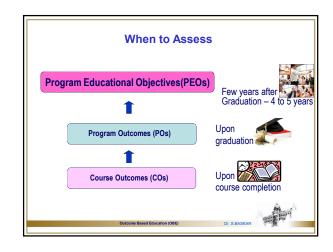
- Indirect methods such as surveys and interviews ask the stakeholders to reflect on student's learning.
- They assess opinions or thoughts about the graduate's knowledge or skills.
- Indirect measures can provide information about graduate's perception of their learning and how this learning is valued by different constituencies.

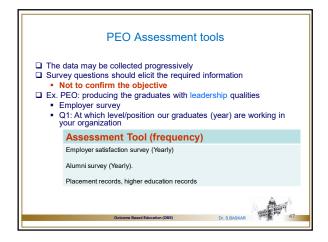














PHOTOS TAKEN DURING WORKSHOP



Welcome Address by Dr.A.Suresh Babu, Deputy Director-IQAC, Anna University



Former Dean-MIT Campus Felicitating the Honorable Vice-Chancellor, Prof.R.Velraj



Inaugurated by Honorable Vice-Chancellor, Prof.R. Velraj



Interaction audience with Dr.R.Gunasekaran, Director-IQAC, Anna University



Interaction audience with Dr.R.Gunasekaran, Director-IQAC, Anna University



Director-IQAC, Felicitating the Speaker Prof.Dr.S.Baskar, TCE, Madurai



Interaction audience with Invited Speaker Prof.S.Baskar, TCE, Madurai



Former Dean-MIT Campus, Felicitating the Audience



Former Dean-MIT Campus, Felicitating the Speaker Prof.Dr.S.Baskar, TCE, Madurai



Interaction audience with Invited Speaker Prof.T.Thyagarajan, Former Dean-MIT Campus



INTERNAL QUALITY ASSURANCE CELL (IQAC)

Anna University, Chennai

ONE-DAY WORKSHOP on

"DISSEMINATION OF QUALITY INITIATIVES AND ENHANCEMENTS IN THE NBA ACCREDITATION PROCESS"

Enhancements in the NBA Accreditation process" organized by the Internal Quality participated in the One-day workshop on "Dissemination of Quality Initiatives and This is to certify that Dr./Mr./Ms. Assurance Cell (IQAC), Anna University, Chennai, on 15th June, 2022.

Coordinator

Director - IQAC