

**Two day Training Cum Workshop on “NBA Accreditation: An Outcome Based Approach” - Reg.**

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Thu 3/3/2022 4:43 PM

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Ref: KLEF/RO/IQAC/2021-22

Date: 03-03-2022

**Orders of the Vice Chancellor dt.03-03-2022****CIRCULAR**

Sub: Two day Training Cum Workshop on “NBA Accreditation: An Outcome Based Approach” - Reg.

Ref: Letter dated 03.03.2022 from Dr. K. Rama Krishna, Dean (Quality).

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This is to inform that IQAC and ASC are jointly organizing a Two (2) day workshop on “**NBA Accreditation: An Outcome Based Approach**” on **05-03-2022 (Saturday) from 9.00 a.m. to 5.00 p.m. & 06-03-2022(Sunday) 8.00 a.m. to 1:30 p.m. in Peacock Hall** as per the details given below.

Date	Criterion Number	Resource person
05-03-2022 & 06-03-2022	All Criteria	Prof. K.Mallikharjuna babu
		Prof. R.V.Ranganadh
		Prof. G.Varaprasad

All participants shall attend the workshop without fail by adjusting their class work, if any; on 05-03-2022 i.e. Saturday. CCL will be granted to the participants physically present on Sunday i.e. 06-03-2022.

Absenteeism without taking written permission from the Hon’ble Vice Chancellor, will be viewed seriously and subjected to LOP.

All the attendees will receive **certificate of participation** from “CEEE, Bengaluru”

The following is the list of participants to attend the workshop.

S.No	Faculty Name	Dept	Designation
1	Dr.K. Ramakrishna	ME	Dean(Quality)
2	Dr.Raghuveer	CSE	Dean (Academics)
3	Dr V.Rajesh	ECE	Dean(P&D)
4	Dr B.J.K.Singh	BT	Dean(R&D)
5	Dr.Ch. Hanumantha Rao	CE	Dean (Student Affairs)
6	Dr.P.V. Chalapathi	ME	Dean (Faculty & Staff Affairs)
7	Dr.A. Srinath	ME	Dean (Skill Development)& Dean(Student Progression)
8	Dr.N.B.V.Prasad	ME	Dean(International Placements & Internships)
9	Dr M.Kishore Babu	MBA	Dean(MHS)
10	Dr.K.Thirupathi Rao	CSE	Additional Dean (Academics)
11	Dr.V. Srikanth	CSE	Additional Dean (F&SA)
12	Dr.Fazal Noor Basha	ECE	Assoc.Dean (Counselling)
13	Dr.P. Vidya Sagar	CSE	Assoc.Dean (Curricular Aspects-

			Engineering)
14	Dr.Vadlamudi Divya,	CSE	Assoc.Dean (Curricular Aspects- Engineering)
15	Dr.N.V.K. Ramesh	ECM	Assoc.Dean (Academics) (TLP-Engineering)
16	Dr.T.Srinivasa Rao,	MATHS	Assoc.Dean (F&SA)
17	Dr.M. Kiran Kumar,	EEE	Assoc.Dean (HR)
18	Dr.P. Lakshmi Prasanna	CSE	Assoc.Dean (Quality)
19	Dr.T. Kavitha	CSE	Assoc.Dean (Quality)
20	Dr.M. Nagesh	ECE	Assoc.Dean (Quality)
21	Dr.P. Issac Prasad	ME	Assoc.Dean (Quality)
22	Dr.Kiran Kumar Dama	ME	Assoc.Dean (Quality)
23	Dr.Vahed Shakeel Ahammad	COMMERCE	Assoc.Dean (Quality)
24	Dr K.V .Narasimha Rao	ME	Assoc.Dean (Quality)
25	Dr.Radha Krishna Sharma	MBA	Assoc.Dean (Quality)
26	Dr.B. Chaitanya Krishna	CSE	Assoc.Dean (OBE,Evaluation & Examinations)
27	Dr.G.Rama Krishna Prasad	ECE	Assoc.Dean (Strategic Management)
28	Dr.M.Venugopala Rao	ECE	Associate Dean (Audits)
29	Mr.P. Syam Sundar	ECE	Associate Dean (Career Counselling-SWEAR analysis and implementation)
30	Dr.K. Hari Kishore	ECE	Associate Dean (Sports & Games)
31	Sri K. Dileep	ME	Assistant Dean (Global Certifications & Liaisoning with NSDC and SSCs)
32	Dr K.Subba Rao	EEE	Principal-CoE
33	Dr.K. Giridhar	BT	HOD
34	Dr.P.Sai Kiran	CSE	HOD
35	Dr.M. Suman	ECE	HOD
36	Dr.M.Siva Ganga Prasad	ECM	HOD
37	Dr.D.V.A. Rama Sastry	MECH	HOD
38	Dr.J. Somlal	EEE	HOD
39	Dr.Pragnyaban Mishra	CSE	Asst.HOD
40	Mr.K.Hemanth Raja	CE	Dy.HOD
41	Dr KVD Kiran	CSE	Dy.HOD
42	Dr.P. Kasi Visweswara Rao	ME	Dy.HOD
43	Dr.P.Rajasekhar	BT	Central Incharge
44	Dr G.Siva Reddy	BT	Central Incharge
45	Dr C.Arun	BT	Central Incharge
46	Dr S.Karthikeyan	BT	Central Incharge
47	Dr.M.S.R.Krishna	BT	Central Incharge
48	Mr. K.Shyam Chamberlin	CE	Central Incharge
49	Mr.T. Venkat Das	CE	Central Incharge
50	Dr. A. Aravindan	CE	Central Incharge
51	Mr.M. Sateesh Babu	CE	Central Incharge
52	Mr. Y. Himath Kumar	CE	Central Incharge
53	Dr. Ashwin Raut	CE	Central Incharge
54	Dr.Vithya Ganeshan	CSE	Central Incharge
55	Dr.Shashi Mehrotra	CSE	Central Incharge
56	Dr A.Senthil	CSE	Central Incharge
57	Dr Ch.Radhika Rani	CSE	Central Incharge
58	Dr.T.Satish	CSE	Central Incharge
59	Dr. V. Krishna Reddy	FED	FED- Coordinator
60	Dr.P.Sathyanarayana	ECE	Central Incharge

61	Dr.S.Sunithamani	ECE	Central Incharge
62	Dr.Madhukar Deshmukh	ECE	Central Incharge
63	Mr.E. Raghuveera	ECE	Central Incharge
64	Dr.M.V.D.Prasad	ECE	Central Incharge
65	Dr. Sujatha	ECE	Central Incharge
66	Dr.Sampad Kumar Panda	ECE	Central Incharge
67	Dr A.Aravindan	ECE	Central Incharge
68	Mr.Syed Shameem	ECE	Central Incharge
69	Dr.P.Gopi Krishna	ECM	Central Incharge
70	Dr.K.Venkata Ratnam	ECM	Central Incharge
71	Ms.P.S.G. Aruna Sri	ECM	Central Incharge
72	Dr. A. PANDIAN	EEE	Central Incharge
73	Dr.N.Rajesh	ME	Central Incharge
74	Mr.T. Eswara Rao	ME	Central Incharge
75	Dr SN Padhi	ME	Central Incharge
76	Mr GR Sanjay krishna	ME	Central Incharge
77	Dr.K.V.Durga Rajesh	ME	Central Incharge
78	Dr. M.Sridhar	FED	Central Incharge
79	Dr Nadeem Siddiqui	BT	Department - Incharge
80	Dr. Maheswara Reddy	BT	Department - Incharge
81	Dr. Naga Chaitanya	BT	Department - Incharge
82	Dr.Pritam Kumar Dikshit	BT	Department - Incharge
83	Dr. K Srinivasulu	BT	Department - Incharge
84	Dr. Koteswara Reddy G	BT	Department - Incharge
85	Dr. Chandra Sekhar	BT	Department - Incharge
86	Dr. Felice	BT	Department - Incharge
87	Dr. Syed Hamim Jeelani	CE	Department - Incharge
88	Mrs. V. Sree Lakshmi	CE	Department - Incharge
89	Mr. Y. Vinod	CE	Department - Incharge
90	Dr. Ch. Surya Prakash	CE	Department - Incharge
91	M.Achyuth Kumar Reddy	CE	Department - Incharge
92	Mr. Sunny Agarwal	CE	Department - Incharge
93	Dr. P.Poluraju	CE	Department - Incharge
94	Mr.G.Sri harsha	CE	Department - Incharge
95	Ms.M.V.B.T.Santhi	CSE	Department - Incharge
96	Mr.A.Pavan Kumar	CSE	Department - Incharge
97	Dr.T.SanthiSri	CSE	Department - Incharge
98	Dr. K Ruth Ramya	CSE	Department - Incharge
99	Ms. A Roshini	CSE	Department - Incharge
100	Dr.Ch.Smitha	CSE	Department - Incharge
101	Dr. P M Ashok Kumar	CSE	Department - Incharge
102	Mr. M V Naresh	CSE	Department - Incharge
103	Mrs. B.Prabha	CSE	Department - Incharge
104	Dr.P.Rajesh	CSE	Department - Incharge
105	Dr.M.Kavitha	CSE	Department - Incharge
106	Dr P. Vidyasagar	CSE	Department - Incharge
107	Ms.J.Lakshmi Prasanna	ECE	Department - Incharge
108	Dr.Arjunamuduli	ECE	Department - Incharge
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111	Ms.K.V.Sowmya	ECE	Department - Incharge
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113	Dr. G G RAJA SEKHAR	EEE	Department - Incharge
114	Mrs. K SARADA	EEE	Department - Incharge
115	Dr. S V N L LALITHA	EEE	Department - Incharge
116	Dr. T VIJAY MUNI	EEE	Department - Incharge
117	Dr. P SRINIVASA VARMA	EEE	Department - Incharge
118	Dr. B. LOVESWARA RAO	EEE	Department - Incharge
119	Dr. K NARASIMHA RAJU	EEE	Department - Incharge
120	Mrs.T.Kanthimathi	ME	Department - Incharge

121	Dr.K.Lokesh	ME	Department - Incharge
122	Dr.G.Diwakar	ME	Department - Incharge
123	Mr. K. SaiSarath	ME	Department - Incharge
124	Mr. J. Naveen	ME	Department - Incharge
125	Mr. V. Naga Raju	ME	Department - Incharge

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**Mail to: All individuals concerned**

Thanks & Regards



**Prof. Y. V. S. S. V. Prasada Rao**  
Ph.D(Mech. Engg.), DPM., MBA (Fin & HR), FICWA  
**REGISTRAR**

**KONERU LAKSHMAIAH EDUCATION FOUNDATION**

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## **Internal Quality Assurance Cell (IQAC)**

**Koneru Lakshmaiah Education Foundation**

**Greenfields, Vaddeswaram, GUNTUR – 522 502**

### **Report on the 2-Day Training-cum-Workshop on NBA**

#### **Accreditation: An Outcome Based Approach**

**5-6 March 2022**

**Organized Jointly by IQAC and ASC, KLEF**

Venue : Peacock Hall  
Duration : 2 Days (5-6 March 2022)  
Timings:  
Day 1: 9:00 AM – 6:15 PM  
Day 2: 8:00 AM – 1:30 PM

Details of the sessions are given below:

<b>Date</b>	<b>Criterion Number</b>	<b>Resource person</b>
05-03-2022 & 06-03-2022	All Criteria	Prof. K. Mallikarjuna Babu
		Prof. R. V. Ranganadh
		Prof. G. Varaprasad

The 2-day Workshop commenced with the traditional lighting of the lamp.

The Dean-Quality, in his opening remarks has outlined the importance of this 2-day workshop to close to about 125 faculty members, who are directly involved with this upcoming NBA Accreditation process for the FOUR identified departments, viz. Biotechnology, CSE, ECE & ME. He advised all participants to not only learn from the Resource persons but and also try to interact with them as much as possible in clarifying their doubts. This was followed by the following words from Professor K. Subba Rao, Principal, COE, KLEF.

The Principal, COE has thanked the Resource persons, who are actually NBA Assessors and having wide knowledge in this subject. The Principal advised all participants, which include: HODs, Criterion in-charges (both at Central level Dept level) and all faculty, who car directly or indirectly involved in this Accreditation process to focus on the deliberations and to involve themselves with the proceedings of this workshop. He asked at least one faculty from each department to present CO-PO Mapping and Articulation Matrix for one subject, perhaps o the second day of th the workshop. He also asked all participants to be punctual in attending the 2-day workshop.

The Dean-Quality briefly introduced the Senior Resource person, Professor K. Mallikarjuna Babu, who was former Principal of BMS College of Engg, Bangalore and Former Vice-Chancellor of Reva University, Bangalore to the audience and requested him to conduct the workshop.

Dr Mallikarjuna Babu started his address by the following quotation by William G. Spady:

“All students can learn and succeed, but not on the same day in the same way”.

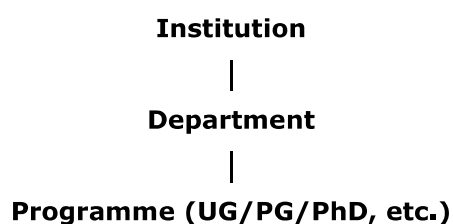
He briefly touched upon the perspective of the NBA Assessors and outlined the way the 2-day workshop is going to be conducted by him and two of his companions.

He also outlined the “Blooms Taxonomy”, just to refresh the memory of the participants, followed by the following list of items to be covered in his opening session (in brief) and during the course of the workshop (in detail):

Key components of OBE are as follows:

- Vision, Mission
- PEOs
- POs
- PSOs
- Cos
- NBA SAR Filling/Guidelines and suggestions
- Performance
- Continuous Improvement

The hierarchy is:



The other important aspects are as follows:

- Curriculum
- Co-curriculum
- Extra-curriculum
- Career
- Faculty development
- Student development, etc.

The Speaker has then stressed upon the Quality control, Quality assurance and Quality Policy aspects of HEIs. He then moved onto the topic of Outcome Based education (OBE) vis-à-vis Graduate Attributes (GAs). He explained the definition of OBE given by Tucker. OBE is as "Agreement".

He also informed the audience that the HEI should aim at a score of 780-800, so that we end up with at least  $\geq 750$  marks (out of 1000), to obtain 6 years' accreditation from NBA. One of the requirements is that the HEI should have at least 30% PhDs among the faculty.

He then discussed the primary aspects, viz. VISION and MISSION Statements and PEOs. He cautioned that the every mission statement is 'measurable'. Assessment is the 'key'; in fact, Assessment is the 'king'. Then he moved onto "Learning Outcomes". Key features of Learning outcomes are:

- Direct the show
- Destination statements of the education journey
- Describe the results
- Describe the results that must be achieved
- Describe what the student has to demonstrate
- Assessment
- Credit transfer
- Life-long learning.

He then referred to the "Complex engineering problems" described in PO1-PO5, which are related to the domain knowledge. Open-ended questions, which call for some meaningful assumptions to be made by the students, can be considered as Complex engineering problems. He also touched upon "Critical thinking"

Dr Babu concluded with the quotation by Peter Drucker:  
"If you can't measure it, you can't improve it".

Dr Mallikarjuna Babu answered few questions raised by some of the participants.

### **Day 1: Second Session**

The afternoon session was taken by Dr G. V Ranganath, Professor of Civil Engineering, BMS Institute of Technology, Bangalore.

Dr Ranganath briefly explained all the 10 NBA Criteria and the importance of documentary evidences while filling up the SAR. He also emphasized the care in filling up

the SAR for obtaining 6-year accreditation. Then he explained each and every Criterion in detail bringing in the intricate points. Some important points are noted here:

- COs are very important. Faculty should be able to write COs properly.
- "Graduate Outcomes" are very important.
- It is the "fundamental courses" that took the IITs to what they are today.
- The 12 POs were designed by Experts in Education Technology.
- "Elective" subjects are not used for computations.

### **Day 1: Post-Lunch Session**

Dr Ranganath continued his address post lunch explaining the Criteria #4-8. He outlined the importance of problem-based learning. E. g. "Design a battery-operated car". A problem of this nature makes the Student to learn a whole lot of things while solving the problem practically! Moving on, some more important points are as follows:

- Pass percentage is important
- Student: Faculty Ratio should be  $\leq 15$ . It is better to maintain 17-18:1.
- At least 75% faculty should be regular faculty; 25% can be adhoc/contract faculty.
- Faculty retention is important.
- Carrot/stick method may be used.
- Visiting/Adjunct faculty carries 10 Marks.
- Extreme care should be taken while mapping the CO-POs. Each CO may be mapped to 3-4 POs (Max.)

### **Day 2: First Session**

Dr Ranganath continued his address into the second day forenoon. He explained Criteria #9 & #10 in detail. He emphasized the importance of Mentoring system: maintaining mentoring diary, etc.

He stated that Criteria #8 & #10 are central level activities.

Dr Ranganath answered several queries from the participants related to different Criteria before handing over the session to the third Resource person, Dr Varaprasad, Professor of CSE, BMS Institute of Technology, Bangalore.

### **Day 2: Second Session**

Dr Varaprasad has explained in details the mapping of Cods-POs and Creation of Articulation matrix. He took several examples and made an excellent presentation on this subject. He also advised the participants to be vigilant in choosing the courses and their COs while preparing the SAR.



## **Day 2: Second Session**

The third and last session of the day is kept for brief presentations by senior faculty from each of Biotechnology (HOD: Dr K. Giridhar), CSE (Dr P Sai Kiran) and ECE (Dr Madhukar Deshmukh – Dy. HOD) Departments. They chose one typical course and demonstrated the COs and how they mapped the COs to POs and at different levels. All three Resource persons have carefully watched the presentations and made some useful suggestions.

### **Feedback:**

About four senior faculty members, one from each of the BT, CSE, ECE and EEE Departments gave feedback on the Workshop. All faculty felt (unanimously) that the Workshop has been conducted very well and the Resource persons have been taken considerable pains to explain various NBA Criteria and clarified the doubts posed by different participants. As a matter of fact, the 2-day workshop was conducted in a very interactive way and most faculty have interacted well with the Resource persons. Indeed, it was a grand success.

The workshop concluded with concluding remarks by Dr K. Ramakrishna, Dean-Quality and Professor K. Subba Rao, Principal-COE and Vote of thanks by Dr M. Venu Gopala Rao, Associate Dean-Quality.



**Dr K. Ramakrishna**

**(Dean-Quality)**

**DEAN (Quality)**

**K. L. E. F.**

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Guntur District, Pincode: 522 502.**