

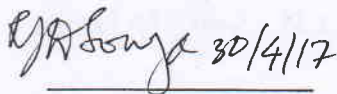
## Evaluation Report

### Evaluation Report for NBA Accreditation of MCA Programme

(Note: This report must be in-textual form supported by the findings listed for identified in evaluation guidelines)

Name of the programme: Master of Computer Applications  
Name and address of the institution: SAINTGITS College of Engg Kottayam  
Name of the affiliating university: MA University Kottayam / APJ Abdul Kalam Tech University  
Dates of the accreditation visit: 28<sup>th</sup> to 30<sup>th</sup> April 2017  
Name, designation, and affiliation of programme evaluator 1: Prof Robert John D'Souza  
@ NITK Surathkal  
Name, designation, and affiliation of programme evaluator 2: Professor Ravinder Kumar Singla  
Punjab University, Sector-14,  
Chandigarh-160014  
Name, designation, and affiliation of team chairperson:  
Prof G.L. Datta  
Former Vice Chancellor and  
Chancellor, K.L. Univ.

Signatures

  
30/4/17

(Programme Evaluator 1)

(Robert John  
D'Souza)

  
30/4/17

(Programme Evaluator 2)

(Ravinder Kumar  
Singla)

  
01.05.2017

(Team Chairperson)

## GUIDELINES AND OPERATING PRACTICES FOR ACCREDITATION VISIT AND EVALUATION

### Criterion - 1: Vision, Mission and Programme Educational Objectives

Item no.	Item description	Max. points	Points awarded	Remarks
1.1	Mission and Vision	5	04	
1.2	Programme Educational Objectives	10	07	
1.3	Attainment of Programme Educational Objectives	25	18	
1.4	Assessment of attainment of Programme Educational Objectives	30	22	
1.5	Indicate how results of assessment of achievement of the PEOs have been used for redefining the PEOs	5	03	
	<b>Total</b>	<b>75</b>	<b>54</b>	

#### Findings:

- 1.1 Mission and Vision of the Department / Institute are clearly stated and displayed prominently.
- 1.2 PEOs are in place but the involvement of stakeholders in designing the documents needs improvement.
- 1.3 Curricular Components that contribute to the attainment of PEOs is well described. The Committees and their functions are well documented.
- 1.4 Achievement of PEOs is approximately 80%.
- 1.5 PEOs are still to be reviewed.

Signature

*M/Songra* 30/4/17 *Rungla* 30/4/17

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**Criterion - 2: Programme Outcomes**

Item no.	Item description	Max. points	Points awarded	Remarks
2.1	Definition and Validation of Course Outcomes and Programme Outcomes	15	11	
2.2	Attainment of Programme Outcomes	30	23	
2.3	Assessment of attainment of Programme Outcomes	100	70	
2.4	Indicate how results of assessment of achievement of the POs have been used for redefining the POs	5	03	
	<b>Total</b>	150	107	

**Findings:**

- 2.1 COs and POs are listed on the website/classrooms/Computer Labs. POs are not fully aligned with Graduate Attributes.
- 2.2 Lectures, Tutorials, Practicals, Project Work are used to deliver the course contents. The Project Work carried out reflects the application of concepts learnt in theory.
- 2.3 Approximately 65% of the POs have been attained using well defined algorithms
- 2.4 POs are still to be re-defined.

Signature

*R. D. Sonja* 30/4/17 *Rungla* 30/4/17



Criterion - 3: Programme Curriculum

Item no.	Item description	Max. points	Points awarded	Remarks
3.1	Curriculum	20	15	
3.2	Curriculum components and relevance to programme outcomes	10	08	
3.3	Professional core courses and their relevance to Programme Outcomes	40	30	
3.4	Industry interaction/internship	10	06	
3.5	Indicate the content beyond syllabus imparted to attain the COs/POs	15	10	
3.6	Course Syllabi	5	04	
	<b>Total</b>	100	73	

Findings:

- 3.1 Curriculum is well-structured and pre-requisites are well-defined. However, not all aspects of ACM/IEEE guidelines are being followed.
- 3.2 Grouping of curriculum components and their relevance to POs is well-defined.
- 3.3 Professional Core Courses are appropriate to the POs.
- 3.4 No course delivery by the Industry experts. Only about 60% of the students carry out their Project Work in Industry.
- 3.5 Add-on Courses such as PHP, Android, Advanced Java etc are being offered beyond the MCA syllabus, to attain POs and COs.
- 3.6 Detailed Syllabus for each Course is documented.

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**Criterion - 4: Students' Performance in the Programme**

Item no.	Item description	Max. points	Points awarded	Remarks
4.1	Success rate	30	26	
4.2	Academic performance	30	21	
4.3	Placement and higher studies	20	12	
4.4	Professional activities	20	14	
	<b>Total</b>	100	73	

**Findings:**

- 4.1 Out of 168 students in the years 2013-14-15, 148 students successfully completed the MCA programme. The success rate is 88%.
- 4.2 Average API is 7.17.
- 4.3 No documents are available of students opting for higher studies. Over 2012-15, only about 70 students out of 168 were placed through the Campus recruitments.
- 4.4 The department has three societies: FOSS, CSI & ISTE through which minimum two programmes are being conducted every year. The department is also publishing "TECH WORLD", "SMART NEWS" and "SMART Feeds" as three magazines.

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R/Sony 30/4/17

Ruyfa 30/4/17



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**Criterion 5: Faculty Contributions**

Item no.	Item description	Max. points	Points awarded	Remarks
5.1	Student-teacher ratio	20	17	
5.2	Faculty cadre ratio	20	12	
5.3	Faculty qualifications	30	20	
5.4	Faculty competencies correlation to Programme Specific Criteria	15	10	
5.5	Faculty as participants/resource persons in faculty development/training activities	15	10	
5.6	Faculty retention	15	10	
5.7	Faculty research publications	20	09	
5.8	Faculty intellectual property rights	10	00	
5.9	Faculty R&D and consultancy work	20	01	
5.10	Faculty interaction with outside world	10	05	
	<b>Total</b>	175	94	

**Findings:**

- 5.1 STR is 17.82:1 for three years on the average.
- 5.2 FCR is 9.60 for three years on the average.
- 5.3 There was no faculty with Ph.D. during 2013-14 & 2014-15. During 2015-16, there are 3 faculty members with Ph.D.
- 5.4 The faculty is competent enough to meet MCA programme criteria through their research publications, participation in FDP / Workshop / Seminars.
- 5.5 On the average, 11 faculty members participated/acted as Resource Persons in FDPs. Signature
- 5.6 Average RPI is 56. Faculty Retention is satisfactory.
- 5.7 Total number of Research Publications during 2013-15 is 17; but not in high impact Journals.
- 5.8 No IPR by the faculty
- 5.9 Only two funded Projects each of Rs 12,000/- from KSCSTE.
- 5.10 Faculty is in touch with IIT, Mumbai and Cochin University for joint publications

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### Criterion 6: Facilities and Technical Support

Item no.	Item description	Max. points	Points awarded	Remarks
6.1	Classrooms	30	26	
6.2	Faculty rooms	20	14	
6.3	Laboratories including computing facility	35	30	
6.4	Technical manpower support	15	10	
	<b>Total</b>	100	80	

#### Findings:

- 6.1 These are 6 class-rooms and 3 Tutorial room with adequate furniture. Each class-room is fitted with teaching-aids.
- 6.2 Faculty is housed in two big rooms with each faculty being accommodated in a cubical having a table, a chair, a computer with Internet facility. Also, a separate Counselling space is available as a common facility in the same room.
- 3 Three well-equipped Computer Labs with 120 Computers with legal software for computing, are in place.
- 1 Technical manpower such as 2 Lab Technicians and 2 Network Administrators is available.

Signature

*R. S. Sanga* 30/4/17 *R. S. Sanga* 30/4/17



Criterion 7: Academic Support Units and Teaching-Learning Process

Item no.	Item description	Max. points	Points awarded	Remarks
7.1	Academic Support Units	50	39	
7.2	Teaching – Learning Process	75	59	
	Total	125	98	

Findings:

- 7.1 Only about 80% of the sanctioned intake is being filled-up. About 72% of the admitted students are having first class in their Graduation. The students have the facility to participate in co-curricular activities and sports activities. Language Lab and Soft-skill development facilities are also available.
- 7.2 Tutorial classes are earmarked for each class and Mentoring system is in place. Feedback from the students is collected and analysed. Forternet and Add-on Courses help students in self-learning.

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**Criterion 8: Governance, Institutional Support and Financial Resources**

Item no.	Item description	Max. points	Points awarded	Remarks
8.1	Campus Infrastructure and Facility	10	08	
8.2	Organisation, Governance, and Transparency	10	07	
8.3	Budget Allocation, Utilisation, and Public Accounting	10	09	
8.4	Programme Specific Budget Allocation, Utilisation	10	09	
8.5	Library	20	12	
8.6	Internet	5	04	
8.7	Safety Norms and Checks	5	04	
8.8	Counselling and Emergency Medical Care and First-aid	5	03	
	<b>Total</b>	<b>75</b>	<b>56</b>	

**Findings:**

- 8.1 Good Infrastructure, well-maintained having Power back-up and clean drinking water supply.
- 8.2 Governing Body and Administrative setup exist and are functional as per norms. Transparency needs further improvements.
- 8.3 Sufficient budget is allocated to each programme and is properly utilised.
- 8.4 Budget allocation for MCA programme is sufficient.
- 8.5 Library ambience including digital library needs to be improved in a big way.
- 8.6 Internet bandwidth is adequate.
- 8.7 All Safety norms and checks are in place.
- 8.8 Counselling of students is to be made more effective.

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Criterion 9: Continuous Improvement

Item no.	Item description	Max. points	Points awarded	Remarks
9.1	Improvement in Success Index of Students	10	07	
9.2	Improvement in Academic Performance Index of Students	10	07	
9.3	Improvement in Student-Teacher Ratio	10	05	
9.4	Enhancement of Faculty Qualification Index	10	06	
9.5	Improvement in Faculty Research Publications, R&D Work and Consultancy Work	10	05	
9.6	Continuing Education	10	07	
9.7	New Facility Created	15	10	
9.8	Overall Improvement since last accreditation, if any, otherwise, since the commencement of the programme	25	15	
	<b>Total</b>	<b>100</b>	<b>62</b>	

**Findings:**

- 9.1 Success Index of students increased from 85% in 2013 to 90% in 2015.
- 9.2 API of students remains almost the same as 0.70.
- 9.3 STR decreased from 15:1 in 2013 to 20:1 in 2015.
- 9.4 One Professor and two Associate Professors joined the MCA department in 2015-16.
- 9.5 Number of Publications on the average is 5 per year. No R&D/consultancy in place.
- 9.6 Faculty is conducting and participating in short-term courses.
- 9.7. Research & Project Lab with 30 Computers is created. Each faculty is provided with a Laptop.
- 9.8 These are notable improvements over the years.

*[Signature]* 30/6/17

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## GUIDELINES AND OPERATING PRACTICES FOR ACCREDITATION VISIT AND EVALUATION

Experts' Report on the Strengths, Weaknesses, and Deficiencies, if any.

**Strengths:**

- (1) Good Infrastructure with well equipped class-rooms.
- (2) Good Computer Labs with sufficient number of Computers having requisite Licensed Software for Computing and Software Development.
- (3) Qualified faculty with 3 members having Ph.D. Degree.
- (4) Meritorious students (having scored more than 60% at UG level) opt for MCA Programme.
- (5) Pass-out rate is above 80% every year.
- (6) Sufficient budget is allocated to the department every year.

**Weaknesses:**

- (1) Only about 80% of the sanctioned seats are filled up every year.
- (2) Only 17 Publications in the last 3 years.
- (3) There was no Professor in the department till 2015-16.
- (4) Involvement of stakeholders in designing POS, COS and PEOs is minimal.
- (5) Till now, only 65% of the POS have been achieved whereas the goal is 80%.

**Deficiencies, if any:**

- (1) Student - Teachers ratio is 17:1 as against 15:1.
- (2) One Computer Lab (FOSS) requires air-conditioning.
- (3) Quality of jobs through Campus Placements is very low.
- (4) Interaction with Industry Experts is minimal. There is no course delivery by the Industry Experts. Only 60% of the Projects are carried out in the Industry.
- (5) No IPR and sponsored Consultancy Projects by faculty.

**Additional remarks, if any:**

- (1) There should be more Industry interaction through Industry based projects.
- (2) More Practical oriented training should be provided.
- (3) Library ambience (Central) including digital library needs improvement.
- (4) Student Counselling may be made more effective.

MASONG 30/4/17  
Rupa 30/4/17



## GUIDELINES AND OPERATING PRACTICES FOR ACCREDITATION VISIT AND EVALUATION

### Summary of Evaluation

No.	Criterion	Max. points	Points awarded
1	Vision, Mission and Programme Educational Objectives	75	54
2	Programme Outcomes	150	107
3	Programme Curriculum	100	73
4	Students' performance	100	73
5	Faculty Contributions	175	94
6	Facilities and technical support	100	80
7	Academic Support Units and Teaching-Learning Process	125	98
8	Governance, Institutional Support and Financial Resources	75	56
9	Continuous Improvement	100	62
	<b>Total</b>	<b>1000</b>	<b>697</b>

**Note:** Programme seeking accreditation under TIER-II scoring a minimum of 750 points in aggregate out of 1000 points with minimum score of 60% in all the fields shall be eligible for accreditation for 5 years. Whereas, the programme with a score of minimum 600 points in aggregate shall be eligible for provisional accreditation for two years under Tier-II system.

**Specific remarks for those criteria in which points awarded are less than the qualifying points: (Faculty Contribution)**

- (1) Research Publications are not in reputed Journals.
- (2) No Consultancy Projects available with the Faculty.
- (3) No IPR/Patent by the Faculty.

*(Signature)*  
(Programme Evaluator 1) 30/4/17

*(Signature)*  
(Programme Evaluator 2) 30/4/17

*(Signature)*  
(Team Chairperson) 30.05.2017

(Ravinder Kumar  
Singla)

# GUIDELINES AND OPERATING PRACTICES FOR ACCREDITATION VISIT AND EVALUATION

## Chairperson's Report

Name of the programme	Master of computer Applications
Name and address of the institution	SAINTGITS College of Engg, Kottukulam Hills, Palhamuttom P.O. Kottayam - 686532
Dates of the accreditation visit	28th to 30th April 2017
Name, designation, and affiliation of programme evaluator 1	Dr. Robert John D'Souza formerly Professor @ NITK Suraththal - 575025
Name, designation, and affiliation of programme evaluator 2	Dr. R.K. SINGLA, Professor, Dept of Computer Science Applications Punjab University, Sec-14, Chandigarh - 160014

(Requested to submit individual report for each programme)

### Strengths:

1. The college has developed a brand image in a short span of time.
2. The Trust/Society encourages academic excellence.
3. Infrastructure and environment conducive to education.

### Weaknesses:

1. F&I needs improvement
2. Quality of Placement poor
3. Students are to be motivated to go for higher studies and becoming entrepreneurs in more numbers.

### Deficiencies, if any:

1. IPR and R&D missing
2. No consultancy activity
3. Participation of students in extra curricular, extension and outreach activities not in place.

### Additional remarks, if any:

1. Till about two years ago, the Dept had only MEA qualified teachers. Then slowly a few faculty with M.Tech / Ph.D joined.
2. Some of the Members of the Management Body / Society are educationists and are Director / Dean in the College. They take active interest in the College affairs.

(Team Chairperson)

43  
01.05.2017  
(Prof G.L. Datta)